

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058405.D
 Acq On : 27 Sep 2019 13:55
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:47 AM

Quant Time: Sep 30 08:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	536010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	892889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	806183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	375059	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.57	113	273044	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.08	98	1076285	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.41	95	399717	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	296708	50.484	ug/l	99
3) Chloromethane	2.03	50	326583	50.543	ug/l	99
4) Vinyl Chloride	2.17	62	313997	49.607	ug/l	100
5) Bromomethane	2.55	94	167716	49.884	ug/l	99
6) Chloroethane	2.69	64	178547	47.078	ug/l	96
7) Trichlorofluoromethane	3.00	101	370427	48.495	ug/l	99
8) Diethyl Ether	3.39	74	166738	50.592	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	256599	49.464	ug/l	100
10) Methyl Iodide	3.93	142	300434	52.230	ug/l	99
11) Tert butyl alcohol	4.75	59	226753	260.583	ug/l	98
12) 1,1-Dichloroethene	3.72	96	249437	49.330	ug/l	97
13) Acrolein	3.59	56	81778	295.475	ug/l	98
14) Allyl chloride	4.30	41	467279	50.781	ug/l	99
15) Acrylonitrile	4.96	53	666749	262.906	ug/l	100
16) Acetone	3.79	43	757513	283.695	ug/l	99
17) Carbon Disulfide	4.03	76	702892	52.735	ug/l	98
18) Methyl Acetate	4.30	43	320487	47.721	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	899827	50.436	ug/l	100
20) Methylene Chloride	4.53	84	292029	47.392	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	274592	48.835	ug/l	98
22) Diisopropyl ether	5.93	45	980078	49.494	ug/l	98
23) Vinyl Acetate	5.87	43	4139751	277.262	ug/l	99
24) 1,1-Dichloroethane	5.82	63	554472	49.754	ug/l	99
25) 2-Butanone	6.81	43	999677	272.685	ug/l	99
26) 2,2-Dichloropropane	6.80	77	472554	51.578	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	325099	49.469	ug/l	100
28) Bromochloromethane	7.18	49	217490	48.822	ug/l	99
29) Tetrahydrofuran	7.19	42	607276	260.990	ug/l	99
30) Chloroform	7.35	83	552211	48.899	ug/l	99
31) Cyclohexane	7.64	56	517236	47.714	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	475888	51.316	ug/l	99
36) 1,1-Dichloropropene	7.78	75	427193	50.036	ug/l	100
37) Ethyl Acetate	6.91	43	397256	54.880	ug/l	100
38) Carbon Tetrachloride	7.76	117	402479	52.225	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	514400	51.593	ug/l	98
40) Benzene	8.02	78	1219191	49.679	ug/l	100
41) Methacrylonitrile	7.15	41	166503	49.999	ug/l	96
42) 1,2-Dichloroethane	8.11	62	469098	49.131	ug/l	100
43) Isopropyl Acetate	8.15	43	683873	50.241	ug/l	99
44) Trichloroethene	8.82	130	306638	50.602	ug/l	98
45) 1,2-Dichloropropane	9.11	63	329369	50.042	ug/l	99
46) Dibromomethane	9.20	93	209188	50.186	ug/l	99
47) Bromodichloromethane	9.39	83	424397	53.739	ug/l	99
48) Methyl methacrylate	9.19	41	326980	52.755	ug/l	100
49) 1,4-Dioxane	9.19	88	78406	946.052	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1971809	282.011	ug/l	100
52) Toluene	10.15	92	768360	49.741	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	484919	56.413	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	523849	54.901	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	290245	51.603	ug/l	98
56) Ethyl methacrylate	10.43	69	479958	56.236	ug/l	98
57) 1,3-Dichloropropane	10.71	76	519663	51.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	938790	275.855	ug/l	100
59) 2-Hexanone	10.75	43	1494347	293.516	ug/l	100
60) Dibromochloromethane	10.90	129	305035	52.398	ug/l	98
61) 1,2-Dibromoethane	11.00	107	304958	53.062	ug/l	99
64) Tetrachloroethene	10.63	164	251159	49.036	ug/l	97
65) Chlorobenzene	11.43	112	804299	50.190	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	286569	53.076	ug/l	100
67) Ethyl Benzene	11.51	91	1503123	51.785	ug/l	100
68) m/p-Xylenes	11.62	106	1110947	101.728	ug/l	98
69) o-Xylene	11.95	106	538865	51.258	ug/l	99
70) Styrene	11.97	104	918893	53.803	ug/l	99
71) Bromoform	12.13	173	195755	52.430	ug/l	100
73) Isopropylbenzene	12.25	105	1460157	50.151	ug/l	100
74) N-amyl acetate	12.07	43	623119	53.796	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	434880	50.511	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	380304m	52.850	ug/l	
77) Bromobenzene	12.53	156	336289	49.259	ug/l	99
78) n-propylbenzene	12.60	91	1722624	52.516	ug/l	100
79) 2-Chlorotoluene	12.68	91	1016100	50.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1253079	51.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131909	55.674	ug/l	98
82) 4-Chlorotoluene	12.78	91	1055915	51.110	ug/l	100
83) tert-Butylbenzene	13.00	119	1054323	51.265	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1266768	51.876	ug/l	100
85) sec-Butylbenzene	13.18	105	1427914	52.751	ug/l	100
86) p-Isopropyltoluene	13.30	119	1296245	54.402	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	622499	50.286	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	622802	50.567	ug/l	100
89) n-Butylbenzene	13.62	91	1190750	55.169	ug/l	99
90) Hexachloroethane	13.88	117	205539	57.413	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	605505	50.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86459	56.947	ug/l	96

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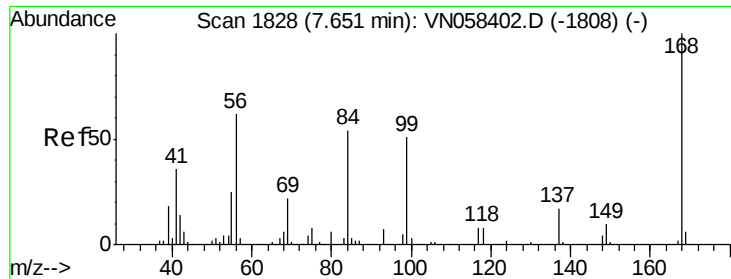
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	377823	57.484	ug/l	100
94) Hexachlorobutadiene	15.02	225	174670	51.704	ug/l	99
95) Naphthalene	15.13	128	1061312	55.141	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	356882	54.161	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion:168 Resp: 536010

Ion Ratio Lower Upper

168 100

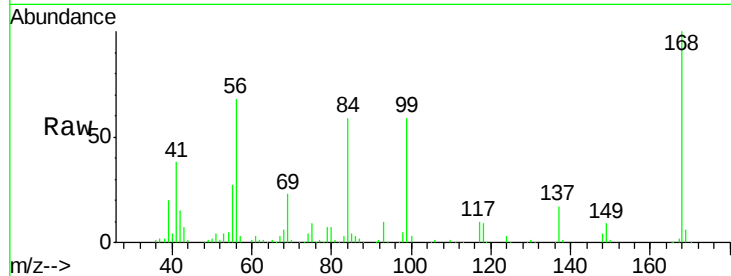
99 58.4 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

150000

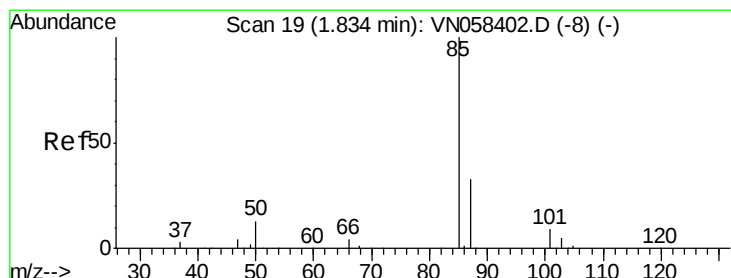
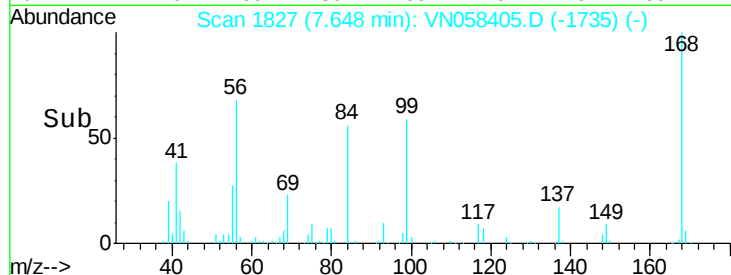
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.484 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058405.D

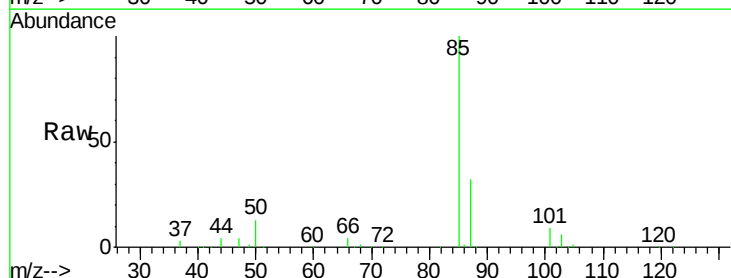
Acq: 27 Sep 2019 13:55

Tgt Ion: 85 Resp: 296708

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

250000

200000

150000

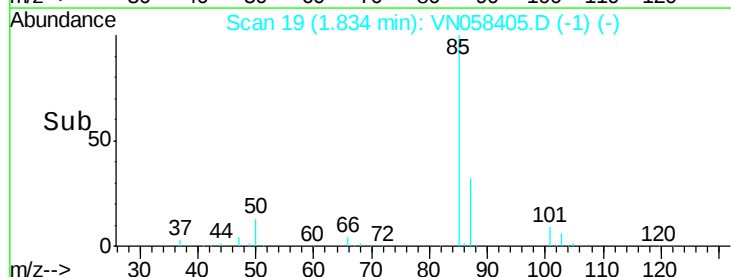
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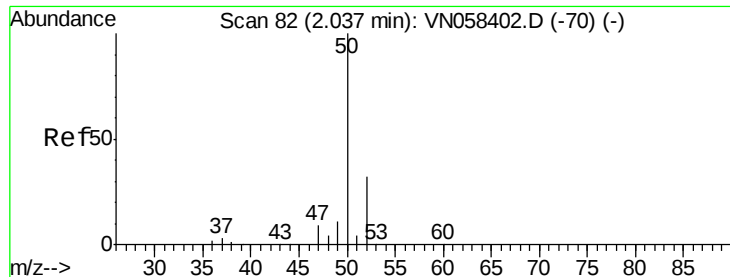
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.543 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion: 50 Resp: 326583

Ion Ratio Lower Upper

50 100

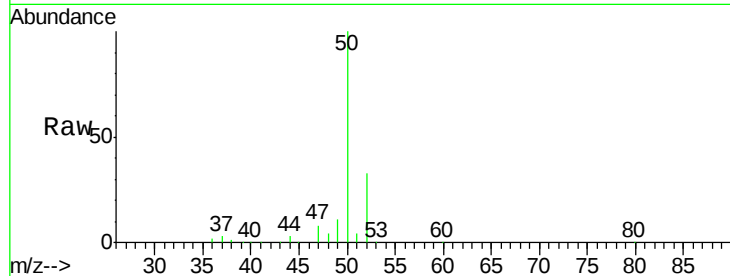
52 32.9 25.9 38.9

Manual Integrations

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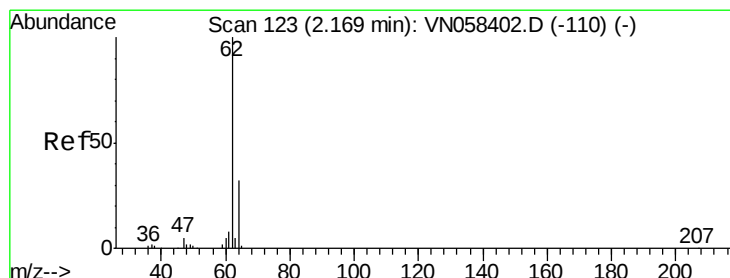
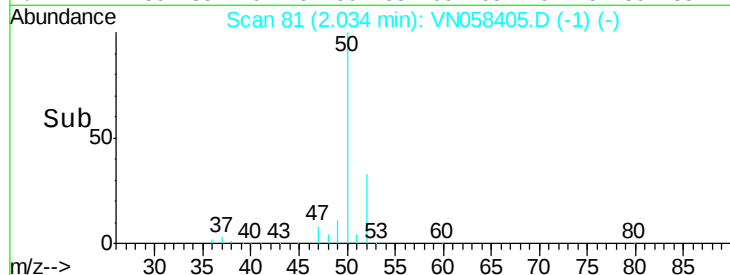
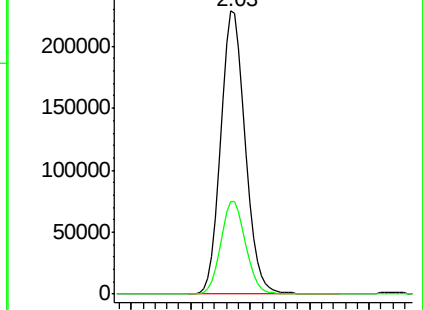
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.607 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058405.D

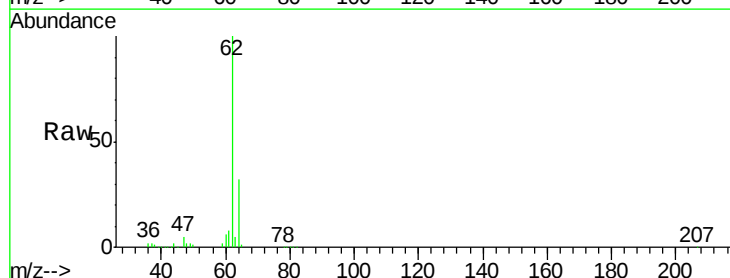
Acq: 27 Sep 2019 13:55

Tgt Ion: 62 Resp: 313997

Ion Ratio Lower Upper

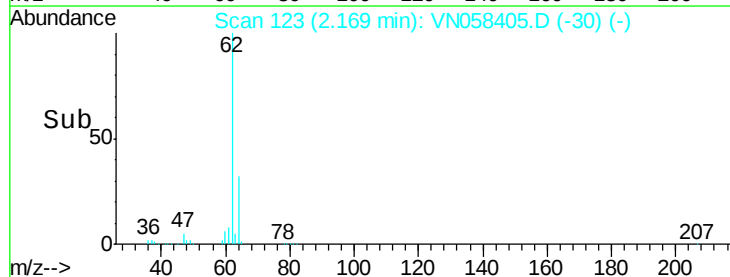
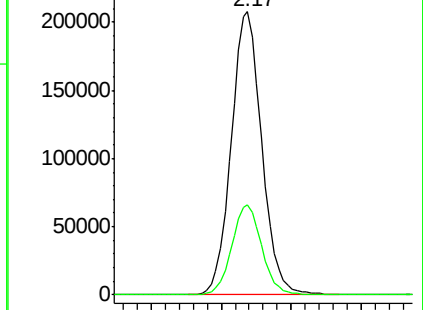
62 100

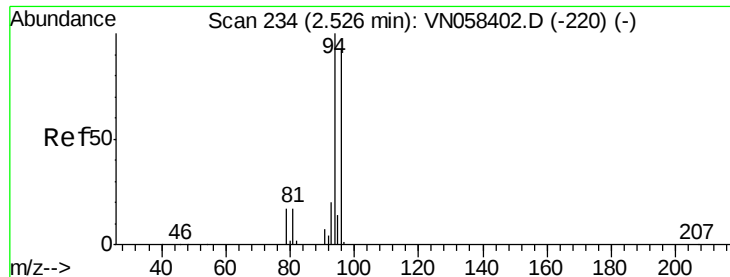
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.884 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVFN092719

Tot Ion: 94 Resp: 167716

Ion Ratio Lower Upper

94 100

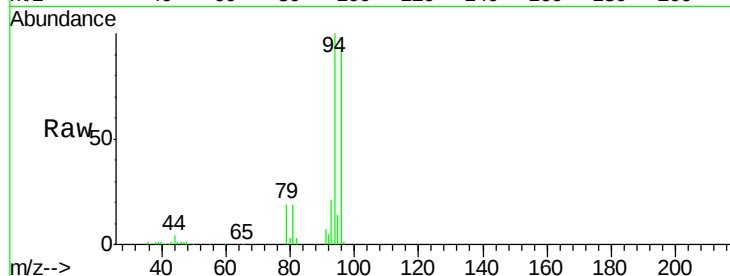
96 94.3 74.8 112.2

Manual Integrations

APPROVED

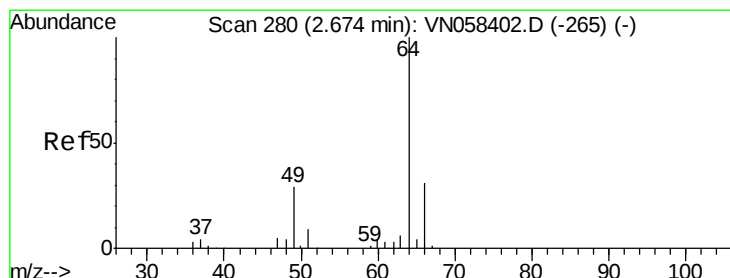
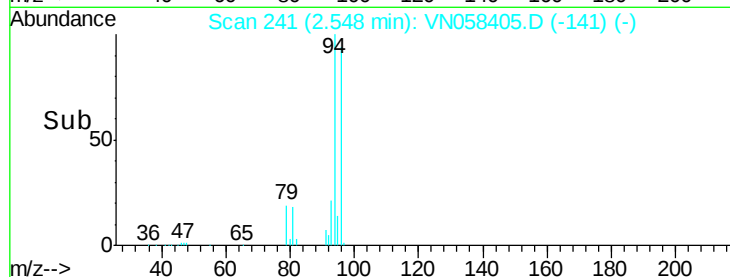
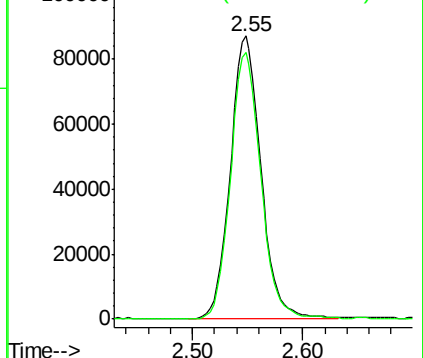
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.078 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058405.D

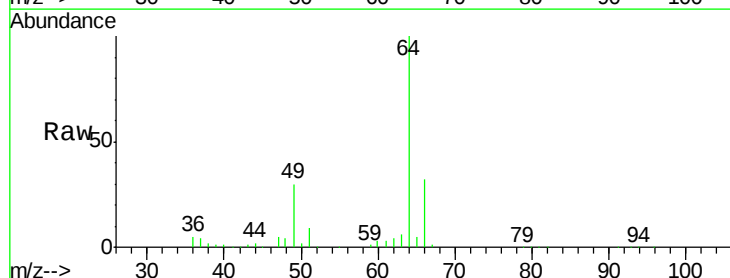
Acq: 27 Sep 2019 13:55

Tgt Ion: 64 Resp: 178547

Ion Ratio Lower Upper

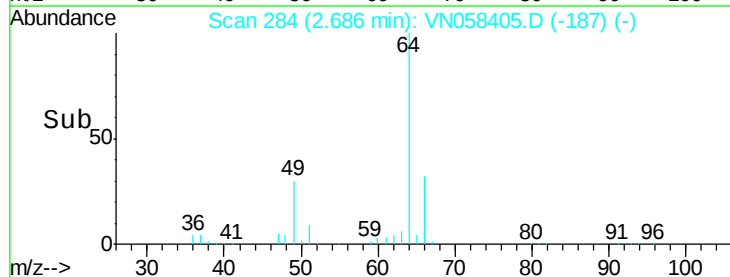
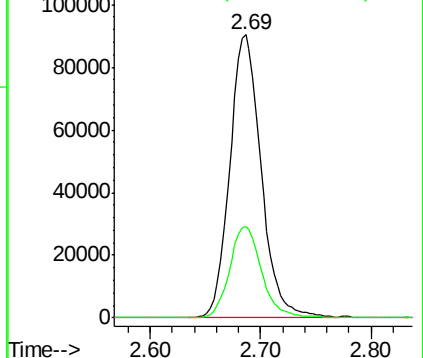
64 100

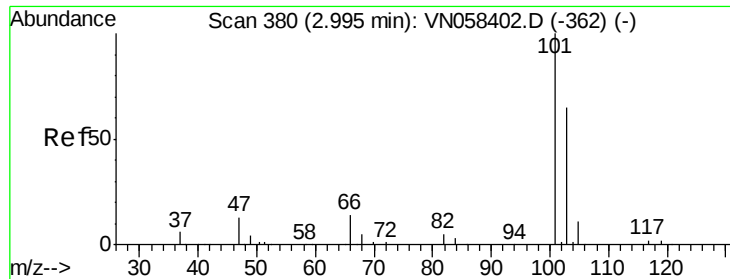
66 32.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

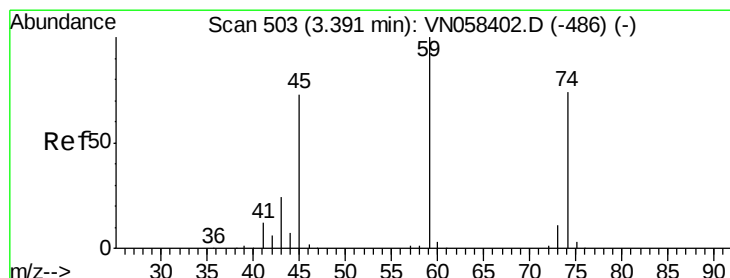
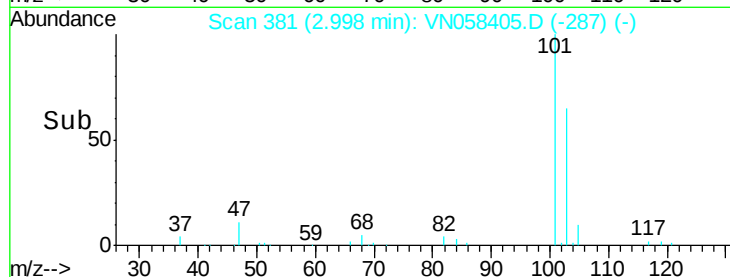
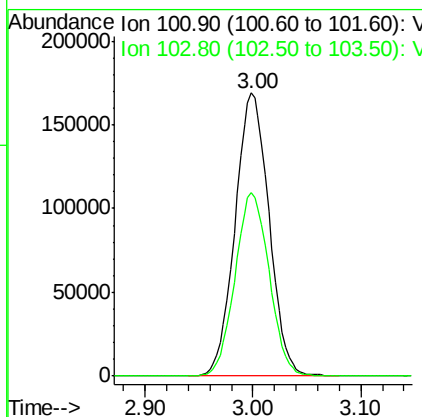
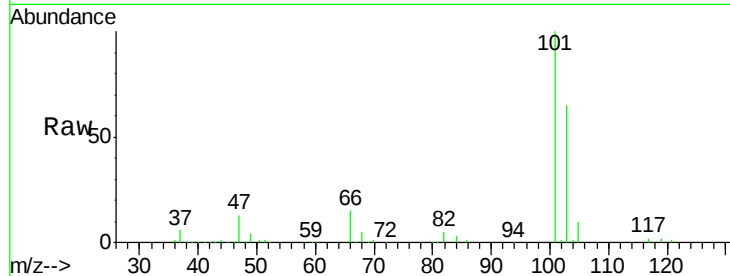
Trichlorofluoromethane
Concen: 48.495 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
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ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.3	78.5

Manual Integrations
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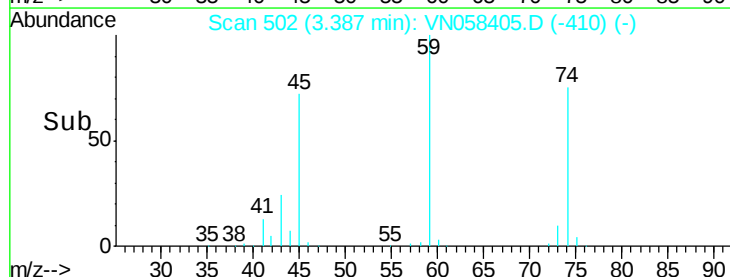
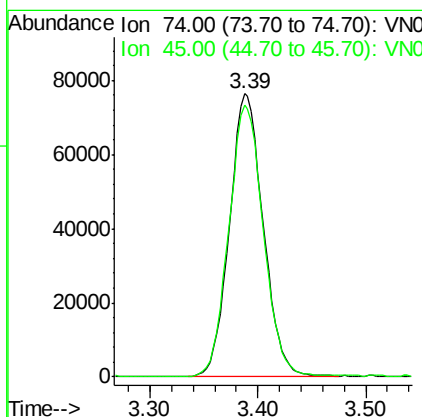
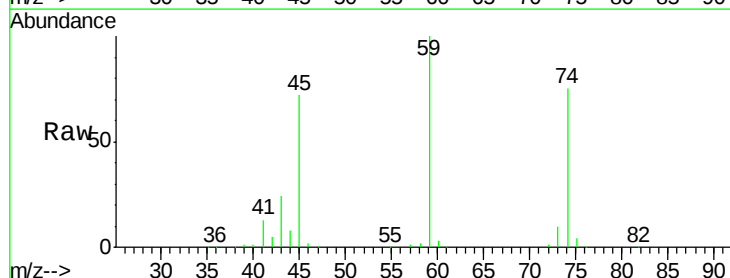
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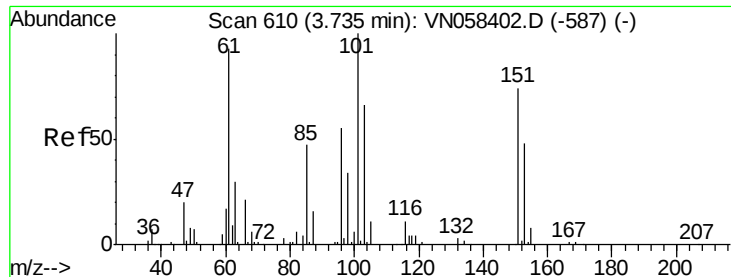


#8

Diethyl Ether
Concen: 50.592 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.464 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

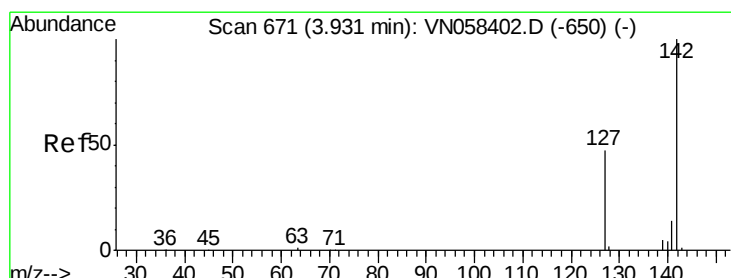
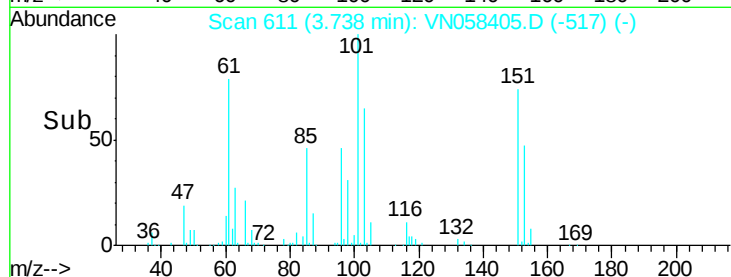
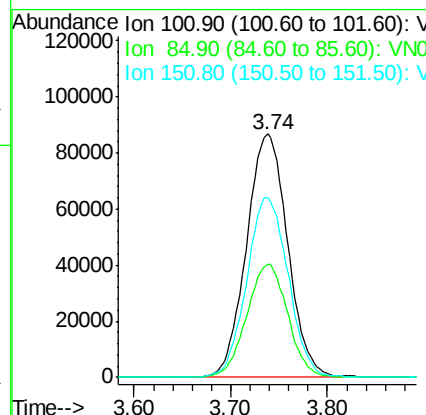
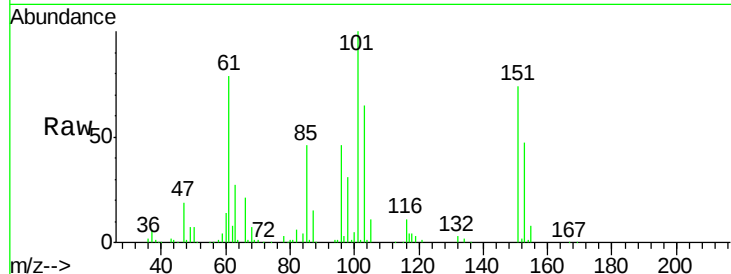
ClientSampled :

ICVVN092719

Tot Ion:	101	Resp:	256599
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.7	55.1
151	74.4	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 52.230 ug/l

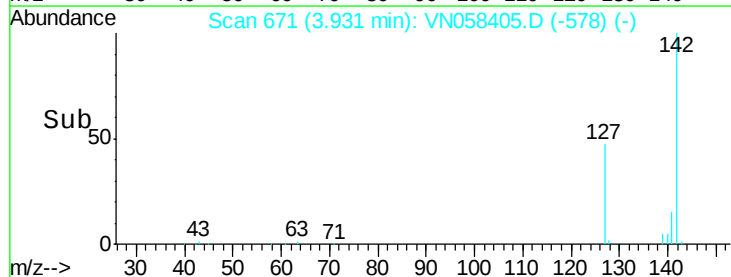
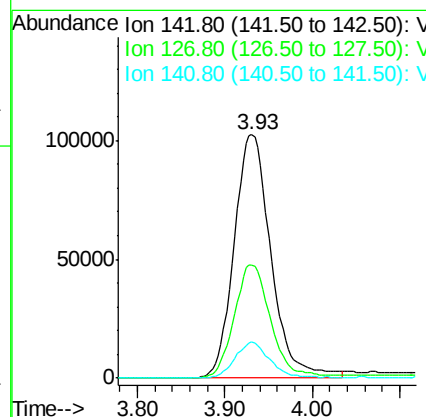
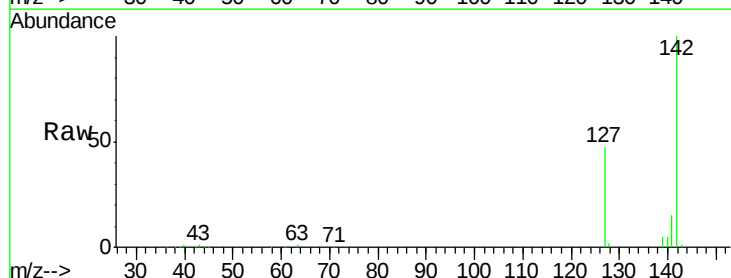
RT: 3.93 min Scan# 671

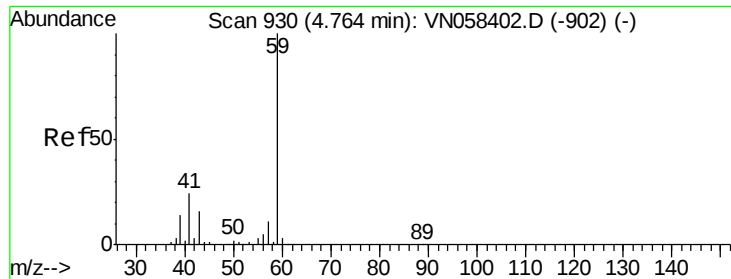
Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	142	Resp:	300434
Ion Ratio	Lower	Upper	
142	100		
127	45.9	37.2	55.8
141	13.9	11.3	16.9





#11

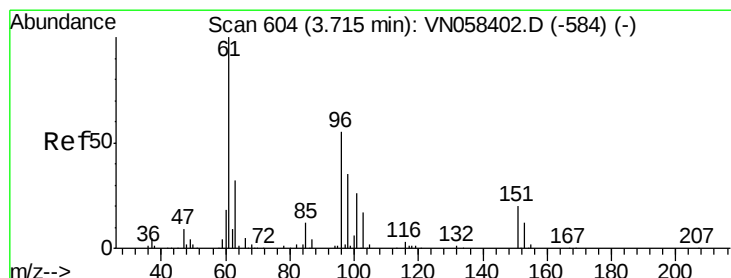
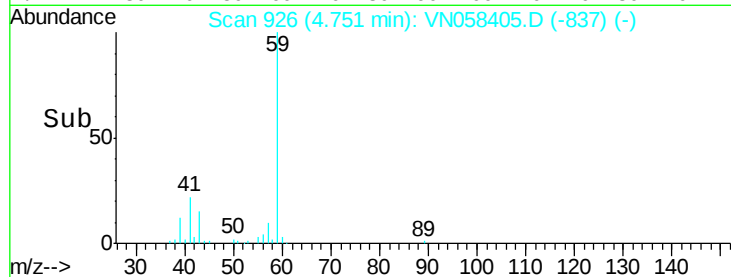
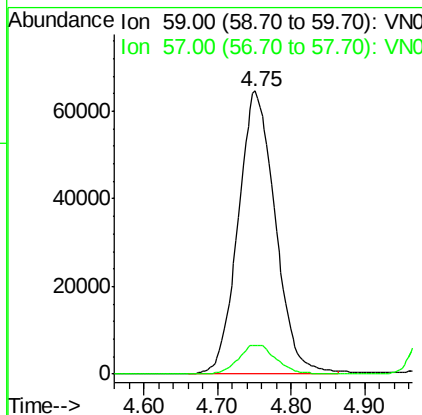
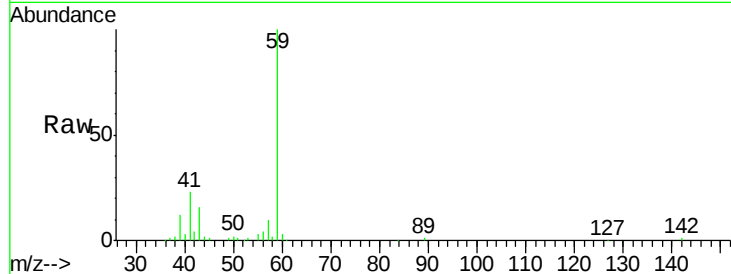
Tert butyl alcohol
 Concen: 260.583 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.4

Manual Integrations
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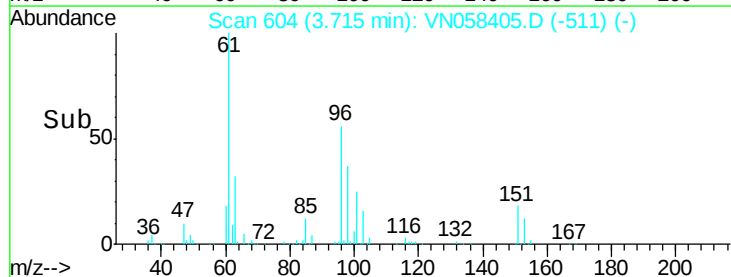
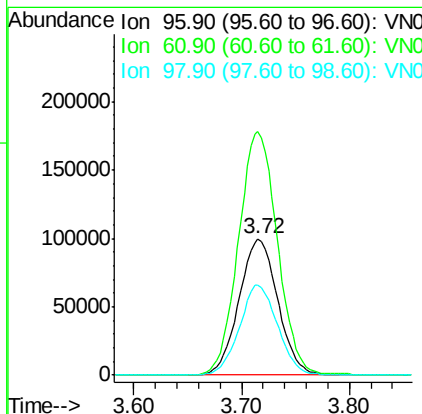
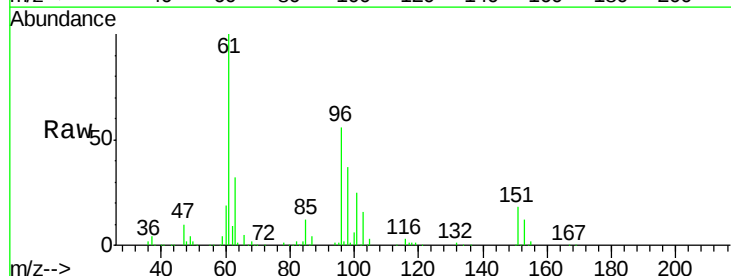
MMDadoda
 9/30/2019 10:18:47 AM

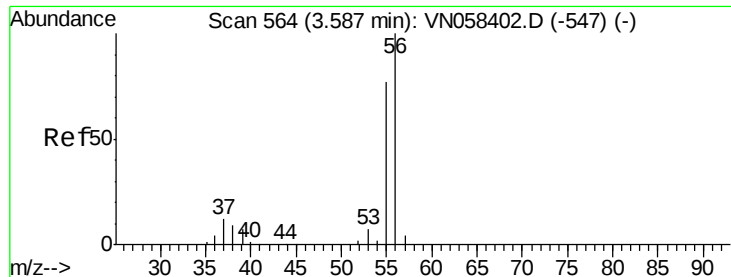


#12

1,1-Dichloroethene
 Concen: 49.330 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.3	146.7	220.1
98	66.3	51.3	76.9





#13

Acrolein

Concen: 295.475 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVFN092719

Tot Ion: 56 Resp: 81778

Ion Ratio Lower Upper

56 100

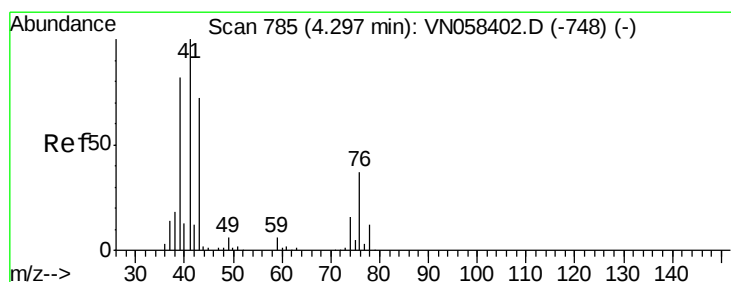
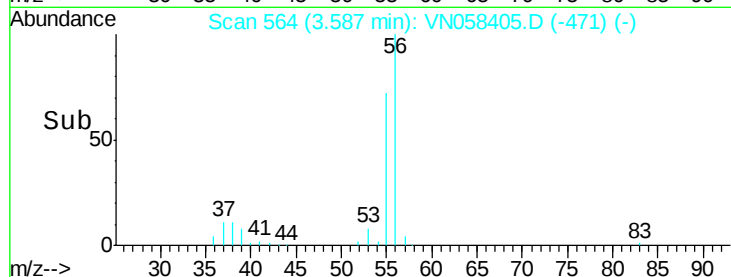
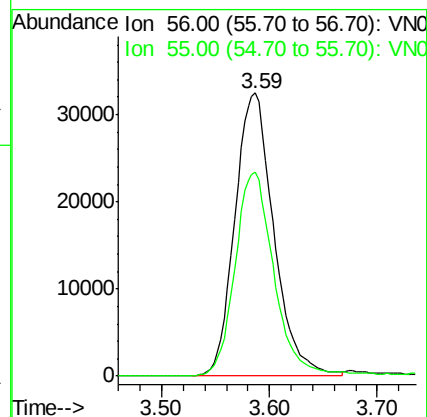
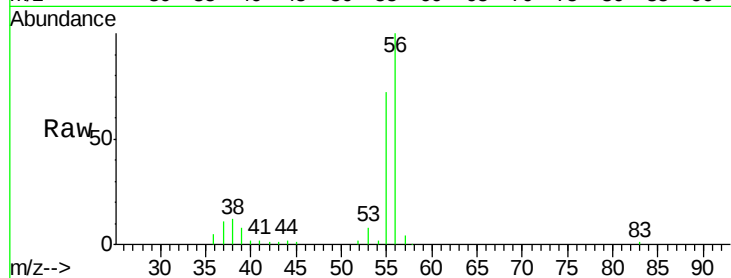
55 71.2 58.3 87.5

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 50.781 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

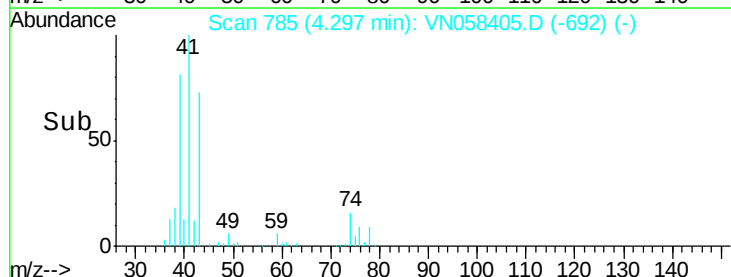
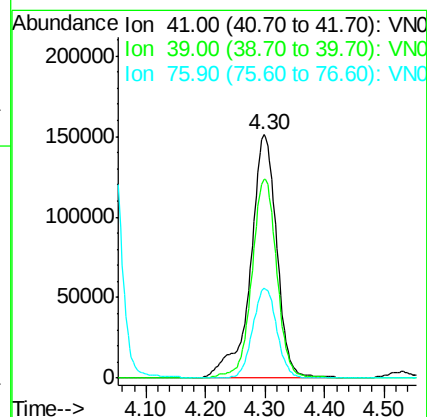
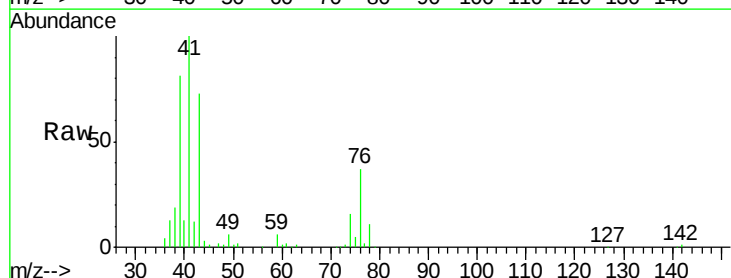
Tgt Ion: 41 Resp: 467279

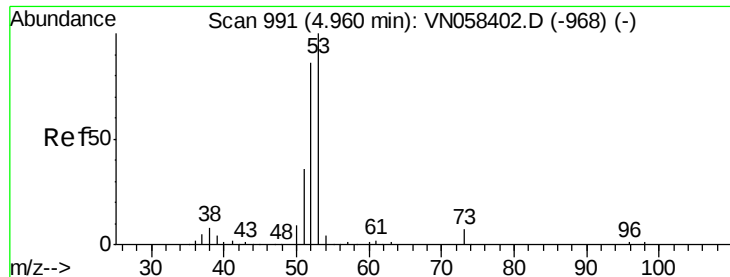
Ion Ratio Lower Upper

41 100

39 76.8 62.3 93.5

76 33.2 26.9 40.3





#15

Acrylonitrile

Concen: 262.906 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

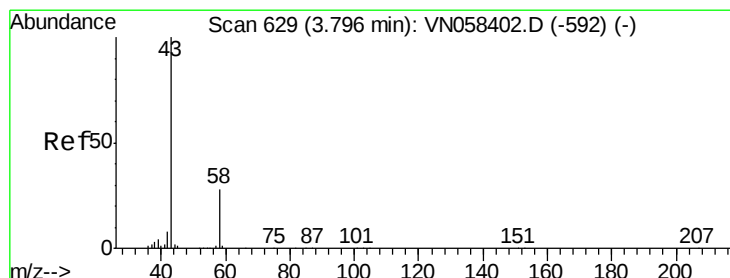
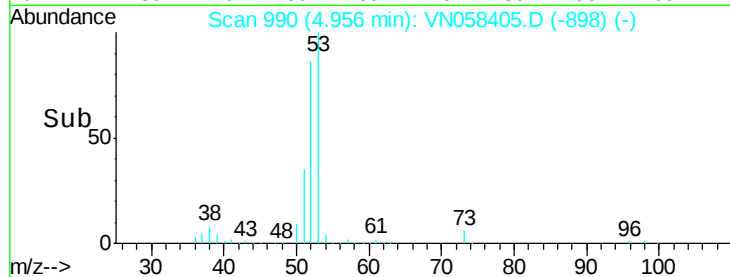
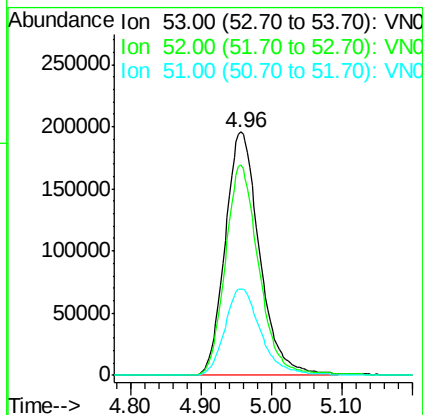
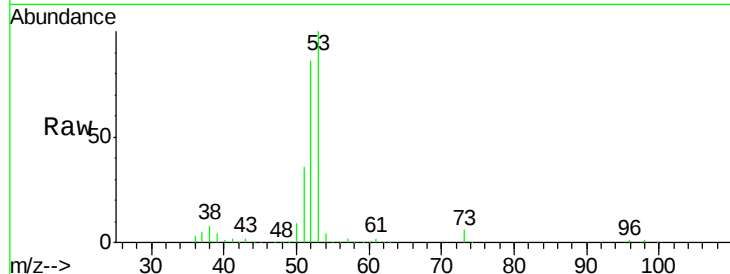
ClientSampleId :

ICVVN092719

Tot Ion:	53	Resp:	666749
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 283.695 ug/l

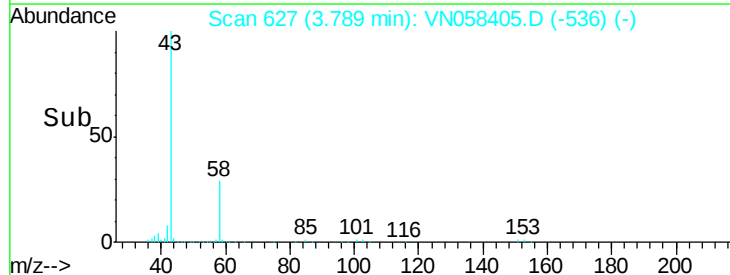
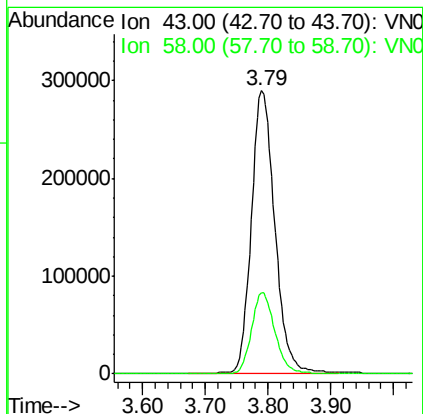
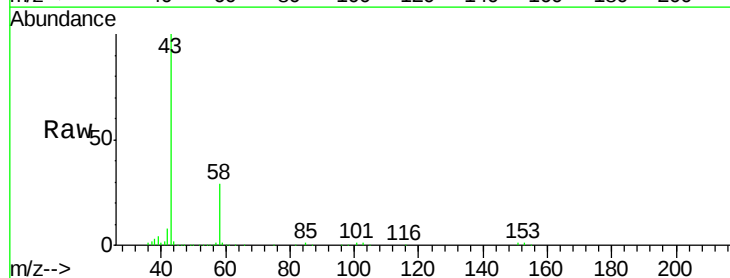
RT: 3.79 min Scan# 627

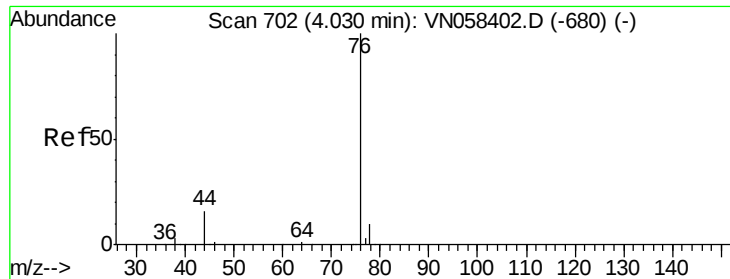
Delta R.T. -0.01 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	43	Resp:	757513
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.4	33.6





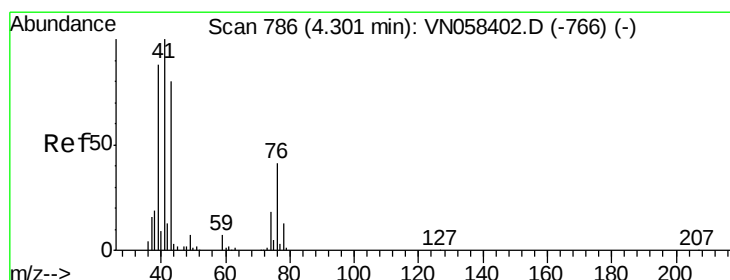
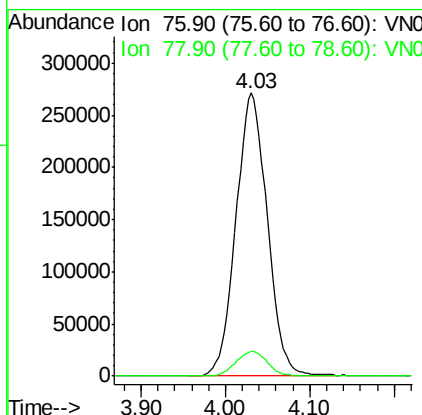
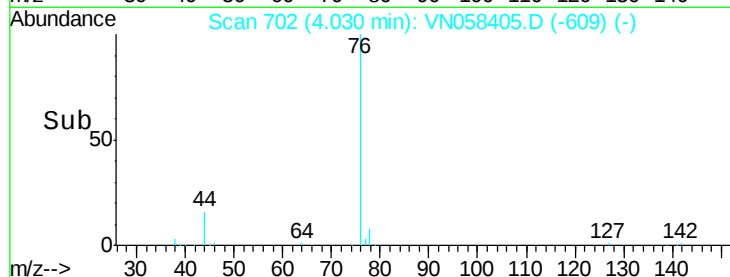
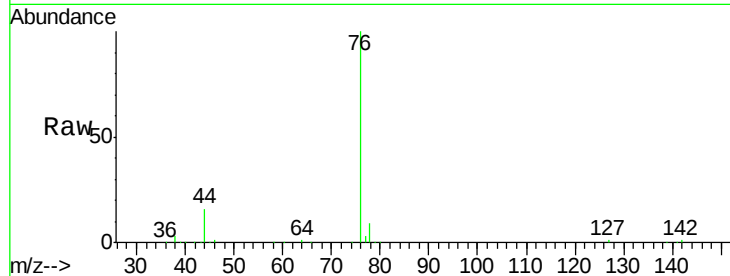
#17
Carbon Disulfide
Concen: 52.735 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.7	11.5

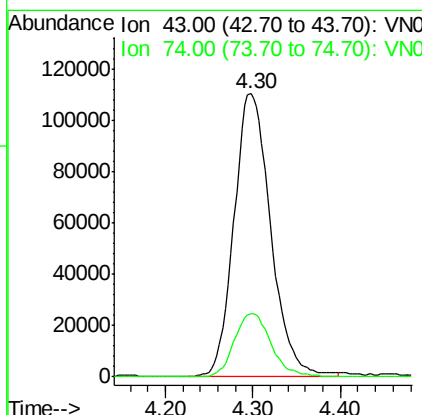
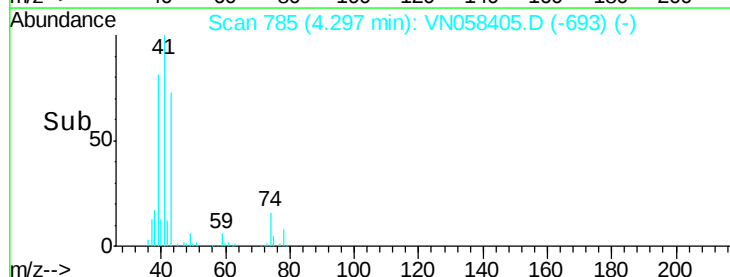
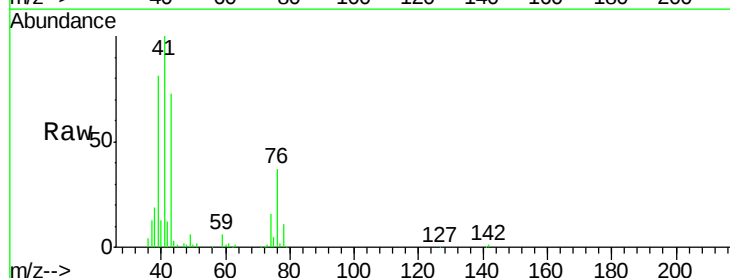
Manual Integrations
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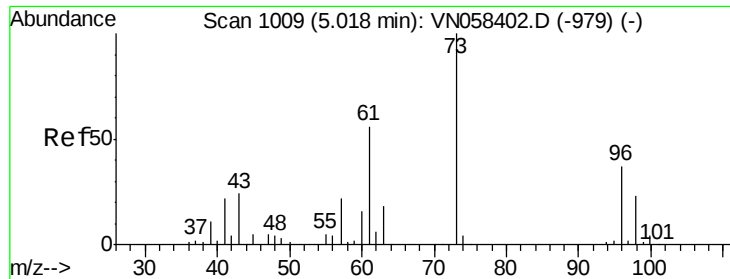
MMDadoda
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#18
Methyl Acetate
Concen: 47.721 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.0	27.0





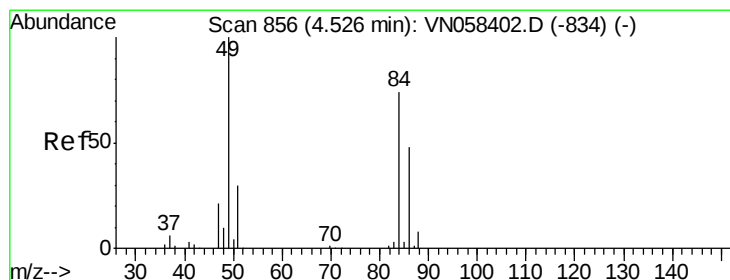
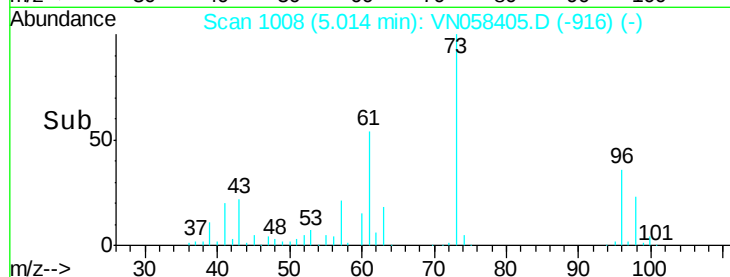
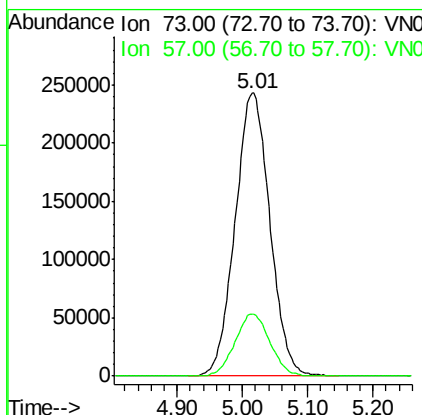
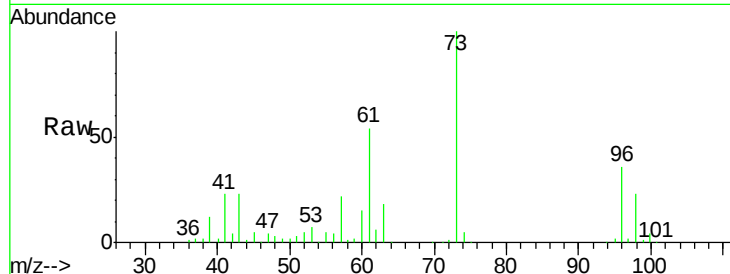
#19
Methvl tert-butvl Ether
Concen: 50.436 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampled :
ICVVN092719

Tot Ion: 73 Resp: 899827
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

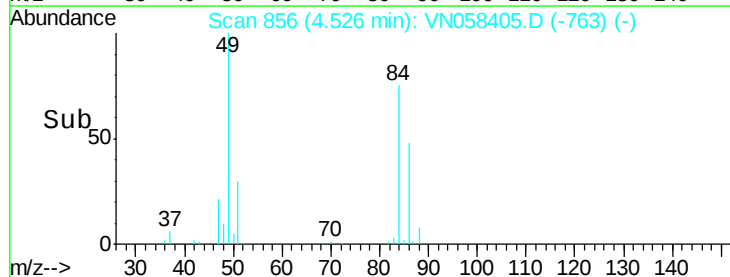
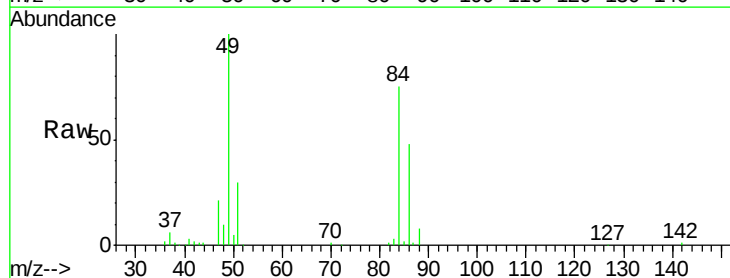
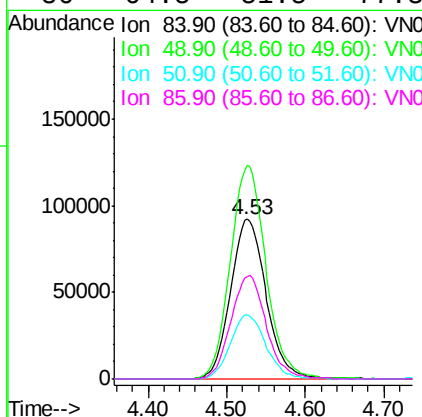
Manual Integrations
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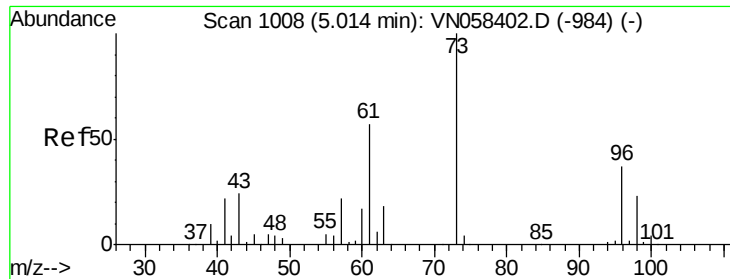
MMDadoda
9/30/2019 10:18:47 AM



#20
Methylene Chloride
Concen: 47.392 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion: 84 Resp: 292029
Ion Ratio Lower Upper
84 100
49 133.7 107.9 161.9
51 40.2 32.8 49.2
86 64.5 51.5 77.3





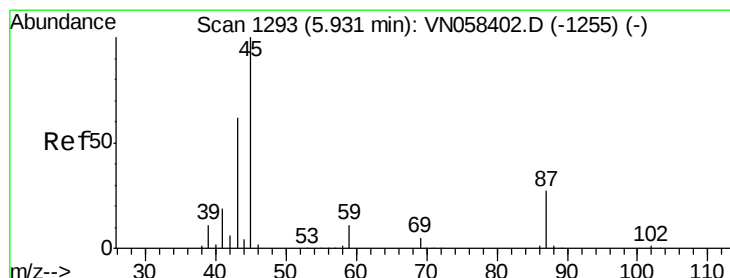
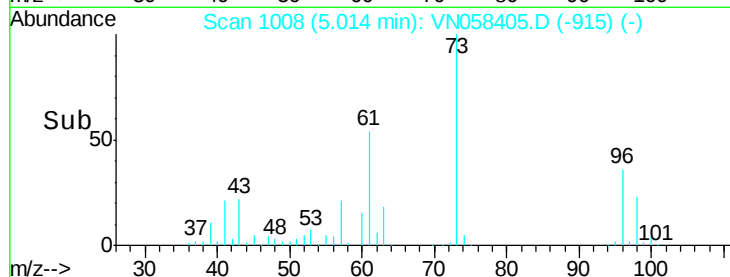
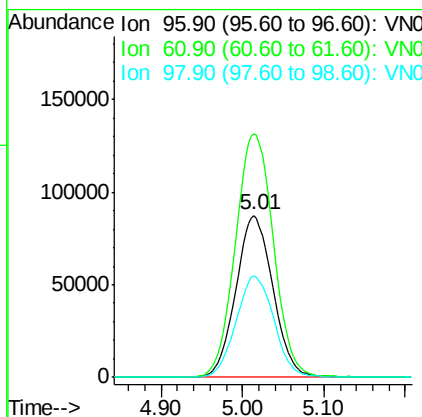
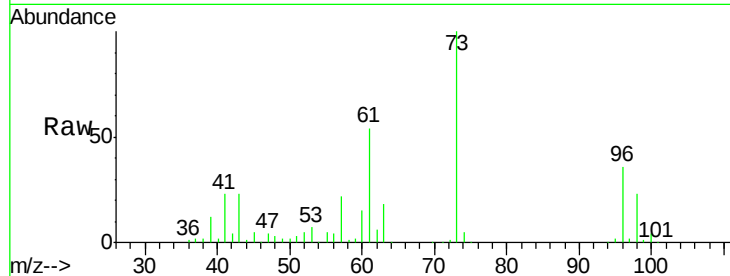
#21
trans-1,2-Dichloroethene
Concen: 48.835 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
96	100	274592		
61	150.1	121.9	182.9	
98	62.8	49.3	73.9	

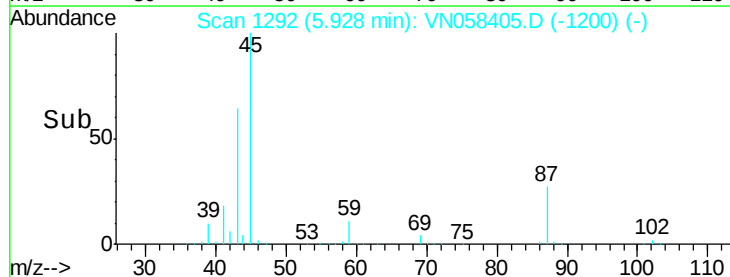
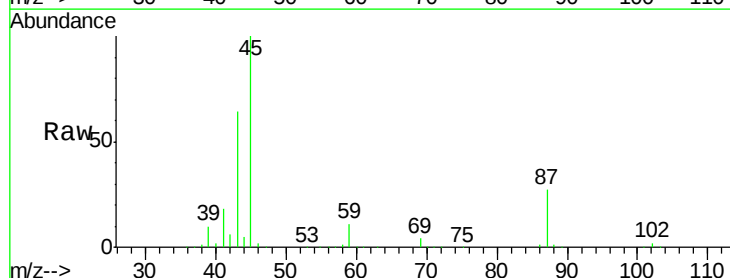
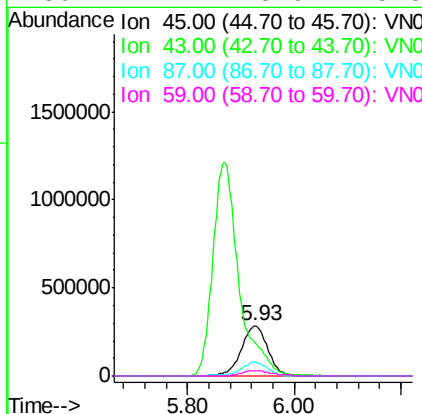
Manual Integrations
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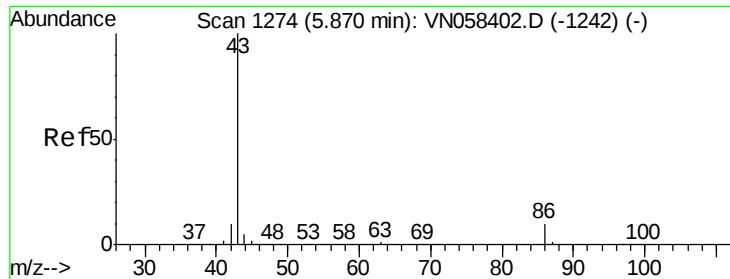
MMDadoda
9/30/2019 10:18:47 AM



#22
Diisopropyl ether
Concen: 49.494 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	980078		
43	63.8	49.7	74.5	
87	27.3	21.5	32.3	
59	11.4	8.9	13.3	





#23

Vinyl Acetate

Concen: 277.262 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampled :

ICVVN092719

Tot Ion: 43 Resp: 4139751

Ion Ratio Lower Upper

43 100

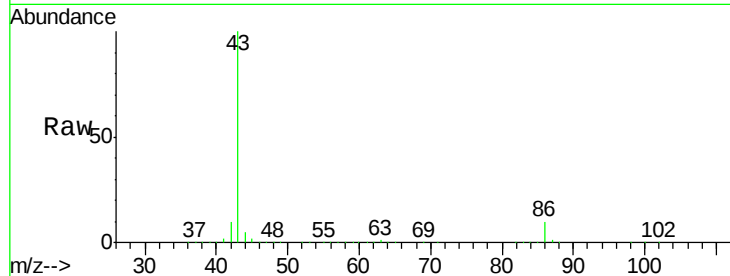
86 9.9 7.7 11.5

Manual Integrations

APPROVED

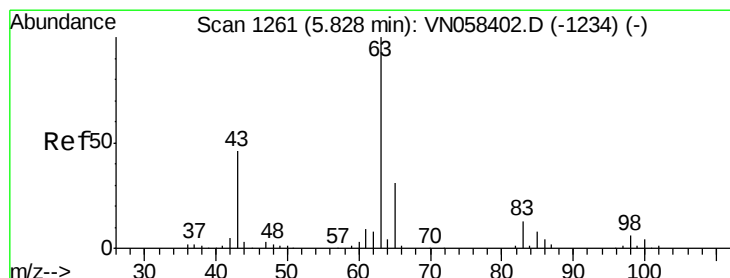
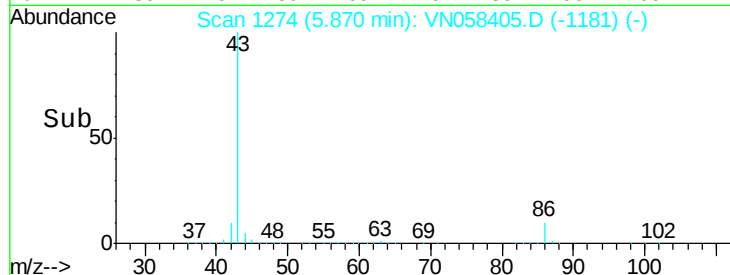
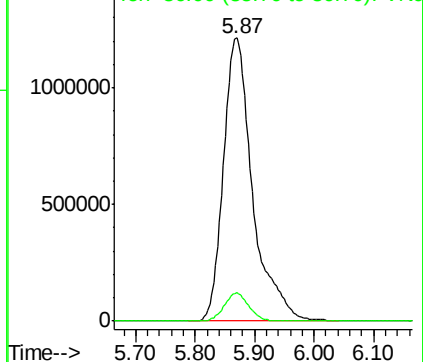
MMDadoda

9/30/2019 10:18:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.754 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

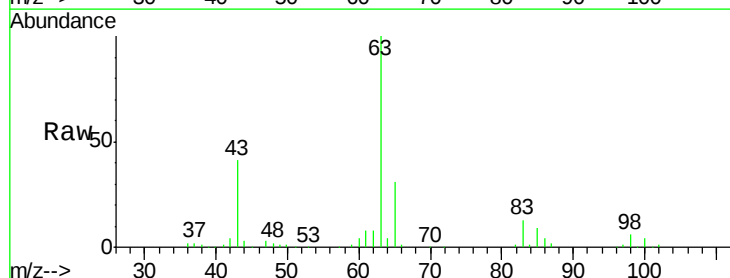
Tgt Ion: 63 Resp: 554472

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

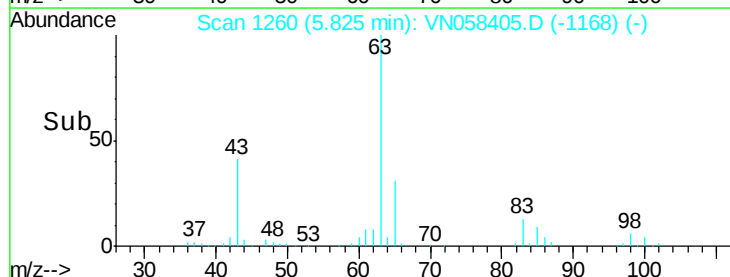
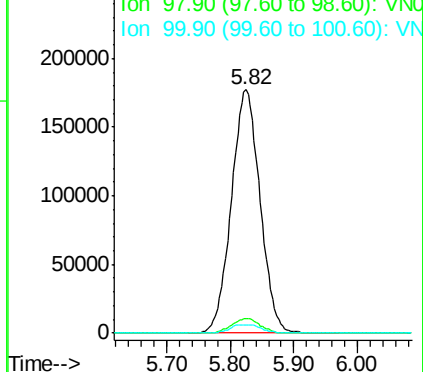
100 3.5 2.0 5.8

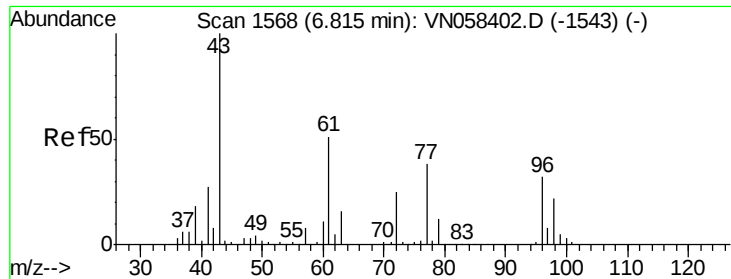


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 272.685 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion: 43 Resp: 999677

Ion Ratio Lower Upper

43 100

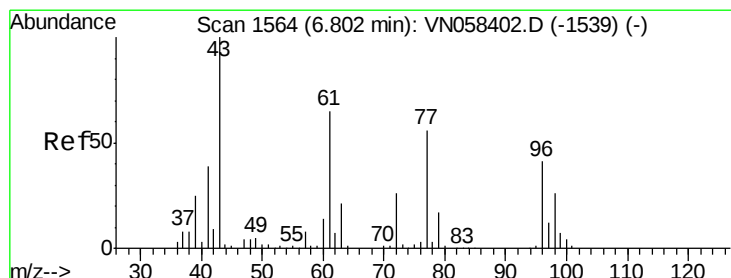
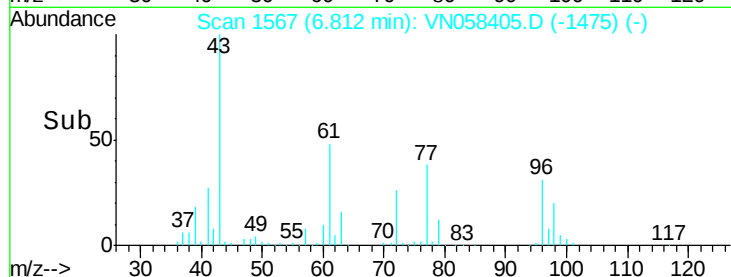
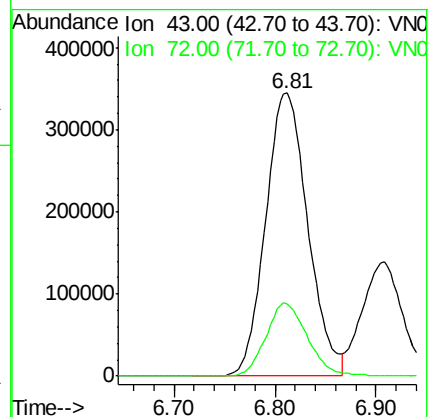
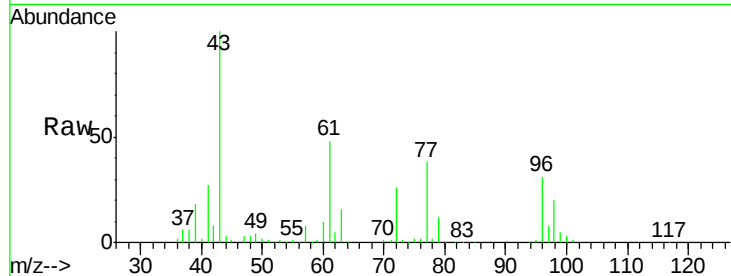
72 25.6 20.2 30.4

Manual Integrations

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9/30/2019 10:18:47 AM



#26

2,2-Dichloropropane

Concen: 51.578 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058405.D

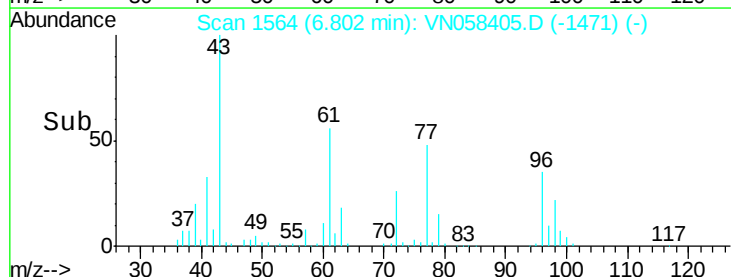
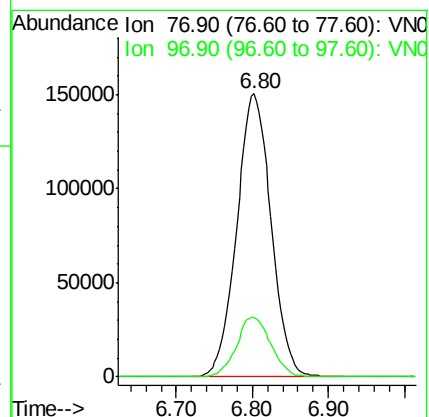
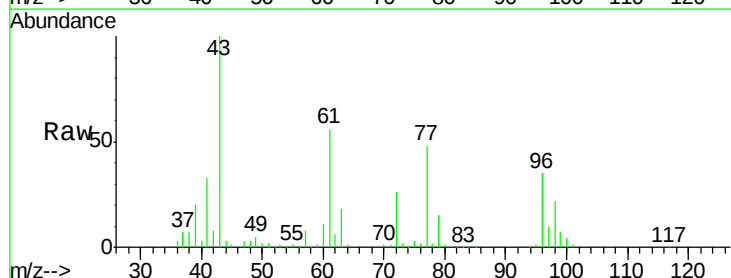
Acq: 27 Sep 2019 13:55

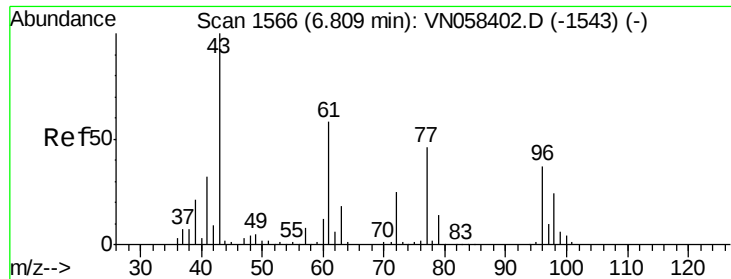
Tgt Ion: 77 Resp: 472554

Ion Ratio Lower Upper

77 100

97 21.1 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 49.469 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

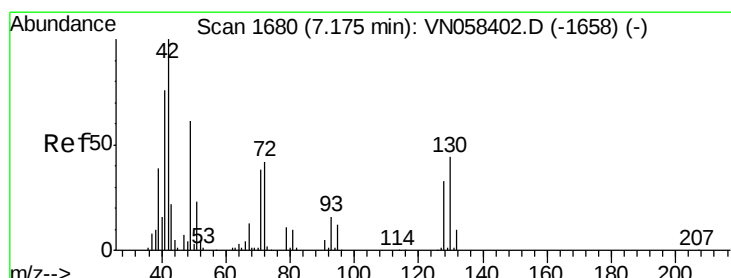
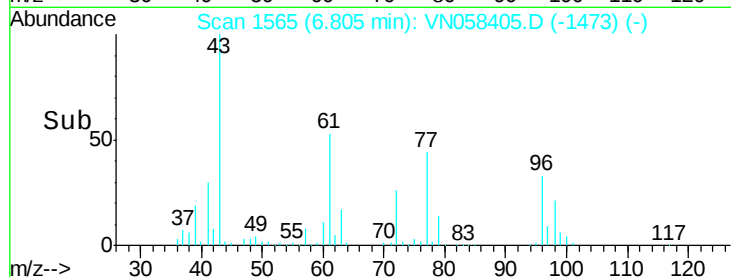
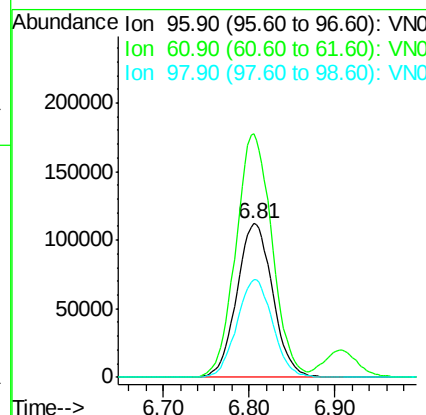
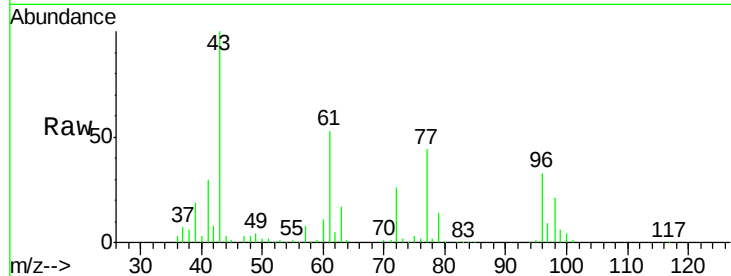
ClientSampleId :

ICVVN092719

Tot Ion:	96	Resp:	325099
Ion Ratio	Lower	Upper	
96	100		
61	159.4	0.0	318.8
98	63.6	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.822 ug/l

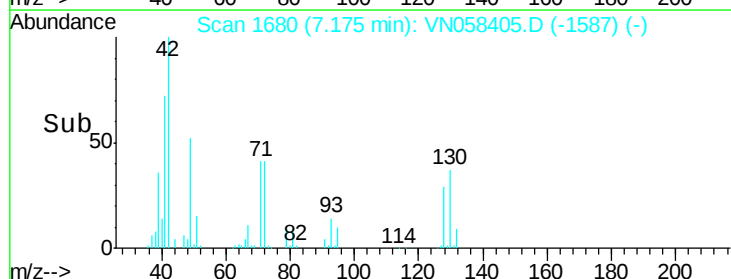
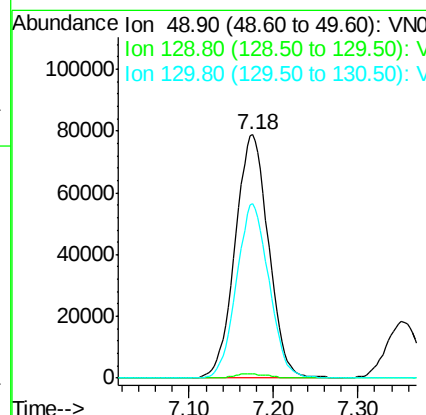
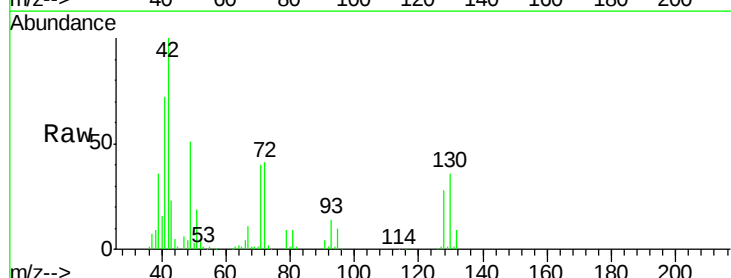
RT: 7.18 min Scan# 1680

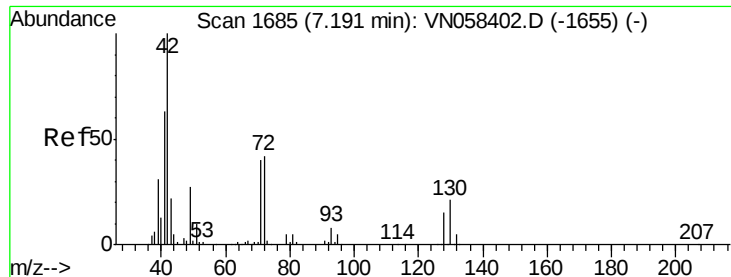
Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	49	Resp:	217490
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.4
130	69.8	56.3	84.5





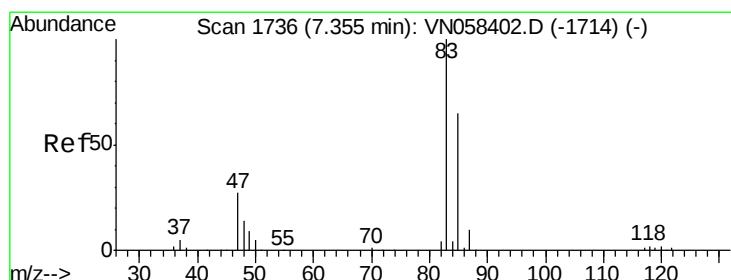
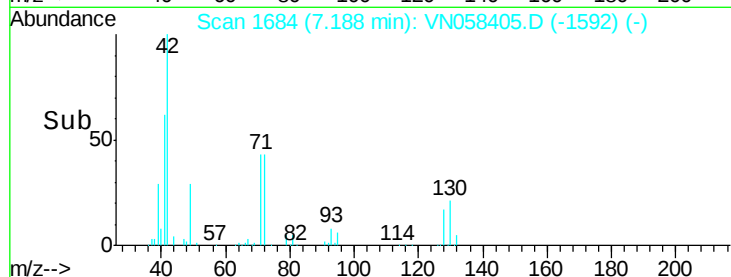
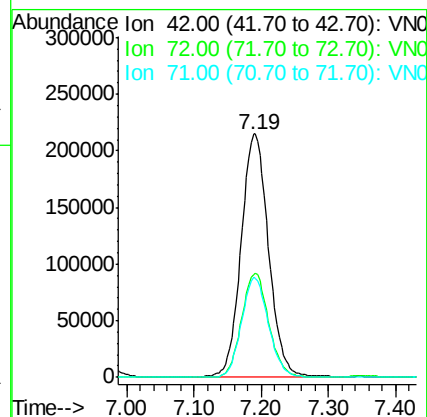
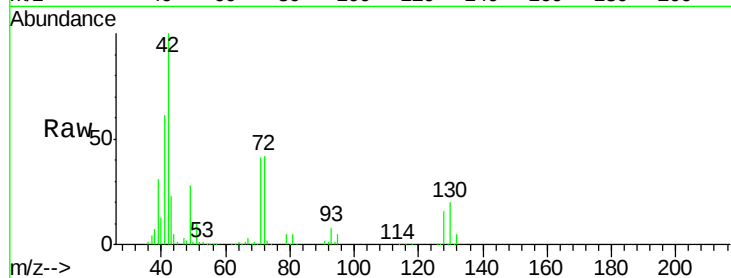
#29
Tetrahydrofuran
Concen: 260.990 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	40.3	31.8	47.6

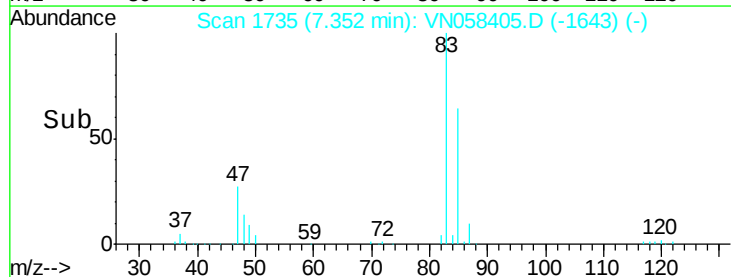
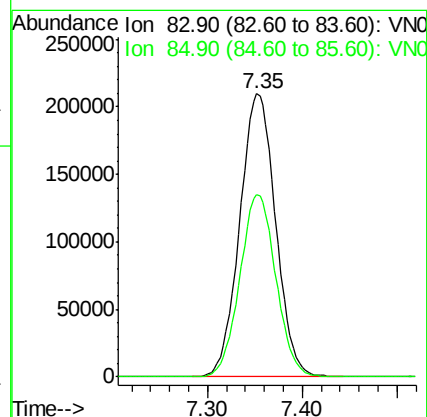
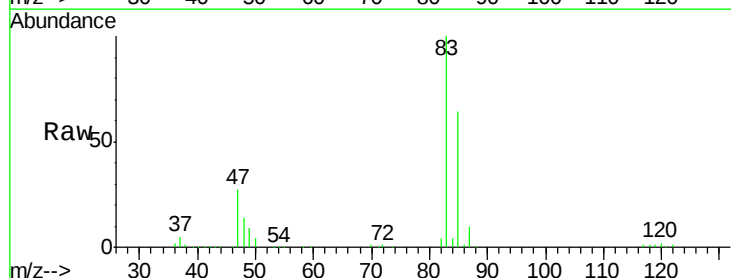
Manual Integrations
APPROVED

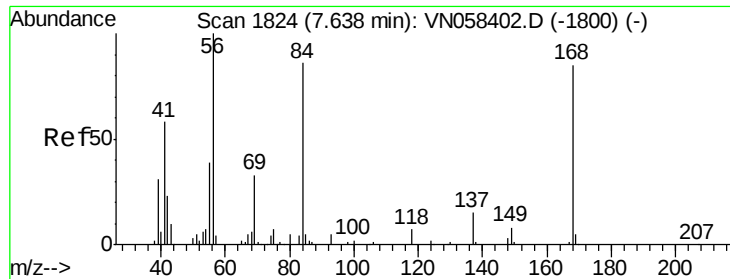
MMDadoda
9/30/2019 10:18:47 AM



#30
Chloroform
Concen: 48.899 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.0	78.0





#31

Cyclohexane

Concen: 47.714 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

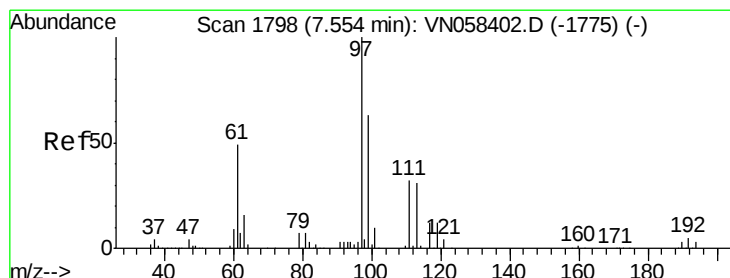
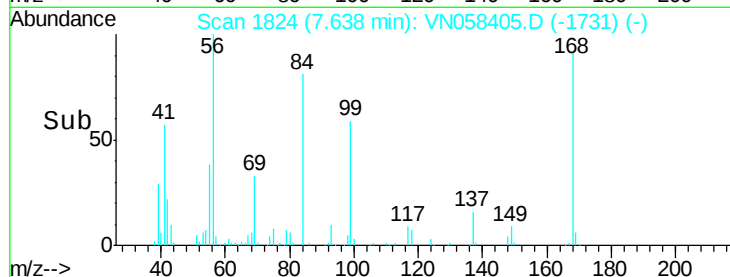
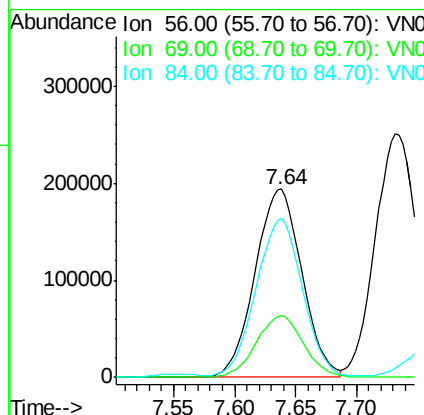
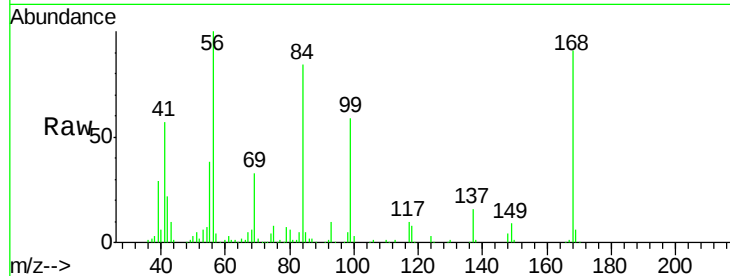
ClientSampleId :

ICVVN092719

Tot Ion:	56	Resp:	517236
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	82.9	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.316 ug/l

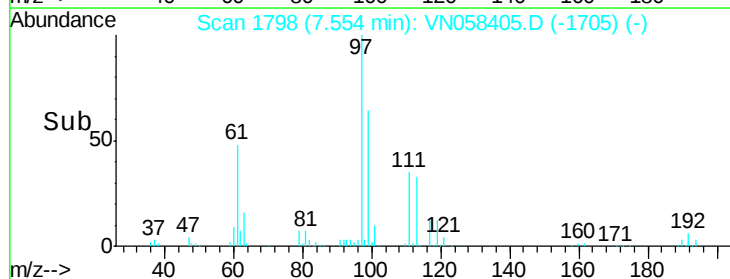
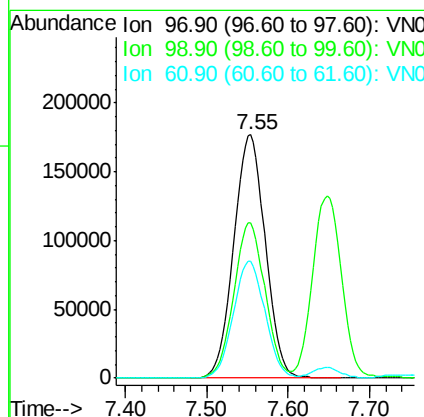
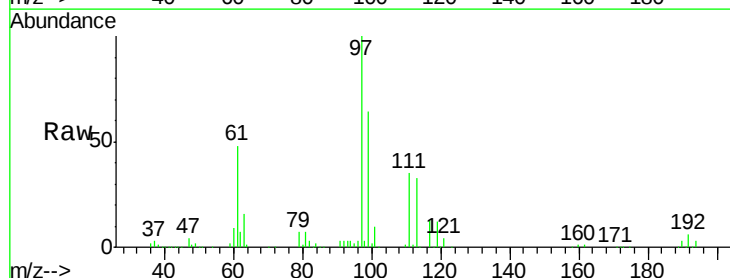
RT: 7.55 min Scan# 1798

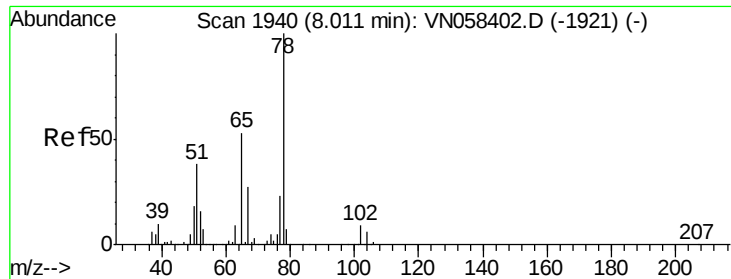
Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	97	Resp:	475888
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	48.3	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 47.882 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion: 65 Resp: 375059

Ion Ratio Lower Upper

65 100

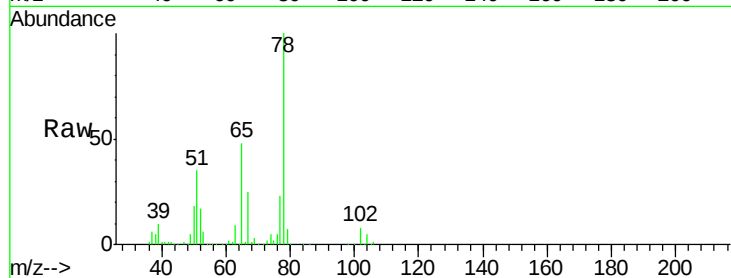
67 51.3 0.0 102.4

Manual Integrations

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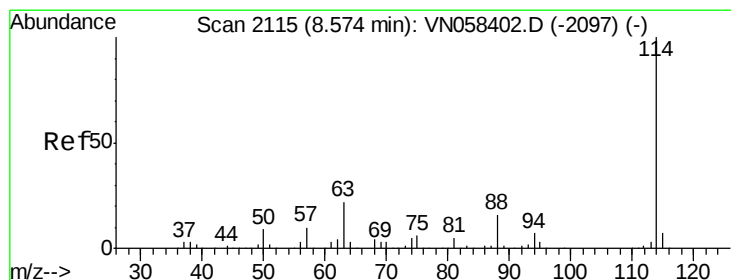
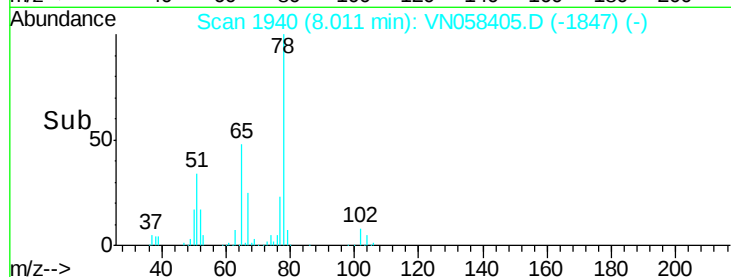
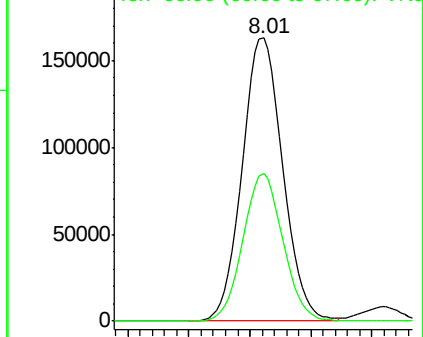
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

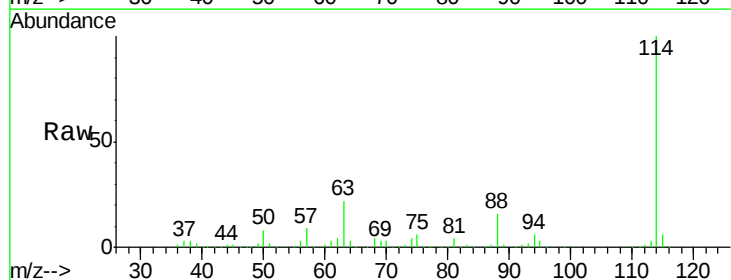
Tgt Ion: 114 Resp: 892889

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

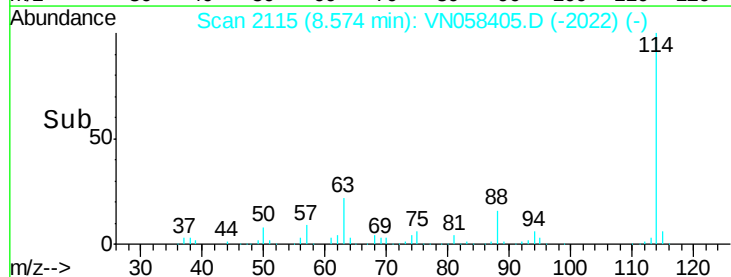
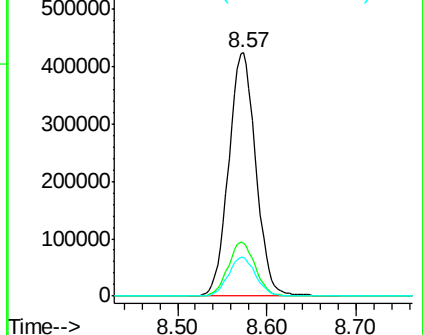
88 15.8 0.0 32.2

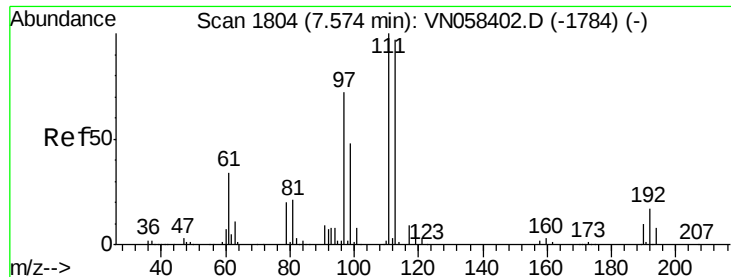


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





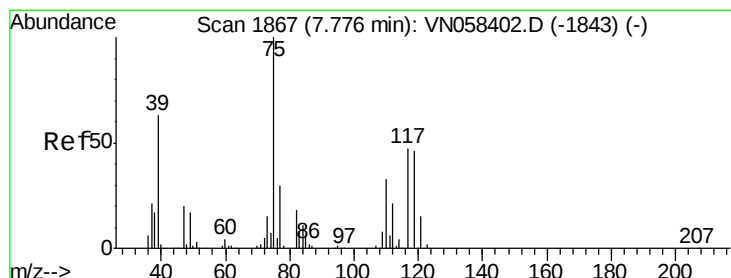
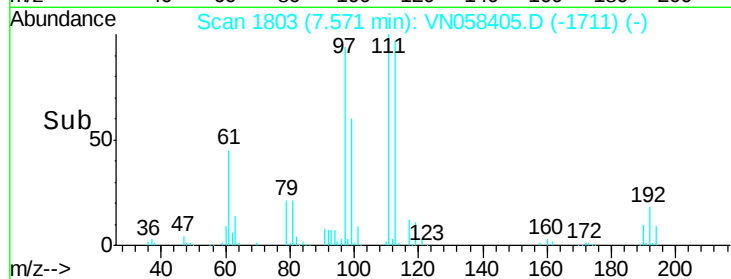
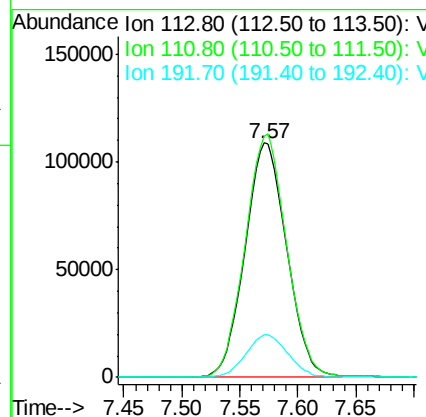
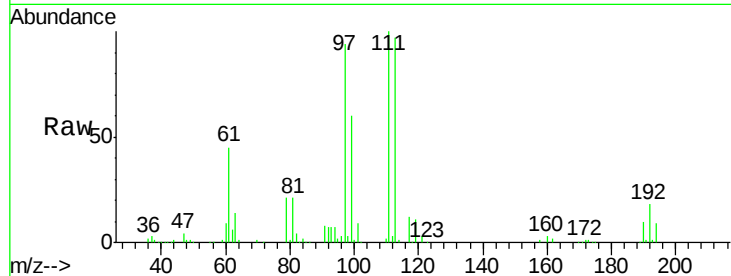
#35
 Dibromofluoromethane
 Concen: 49.895 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
113	100	273044		
111	103.1	83.4	125.2	
192	18.3	14.9	22.3	

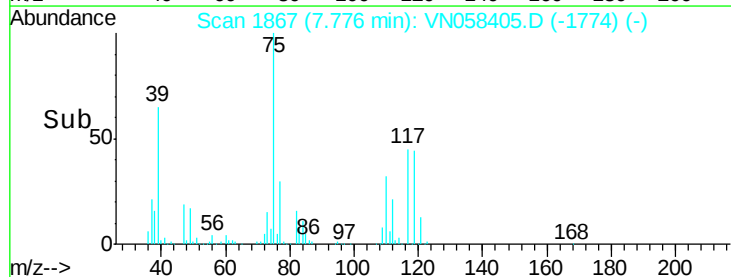
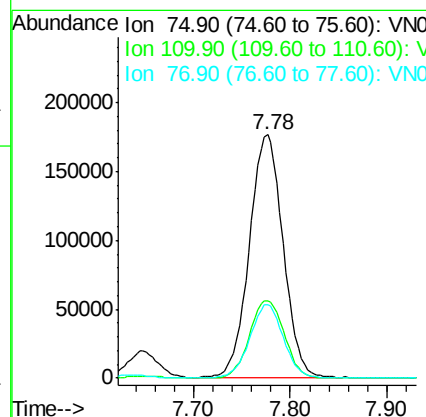
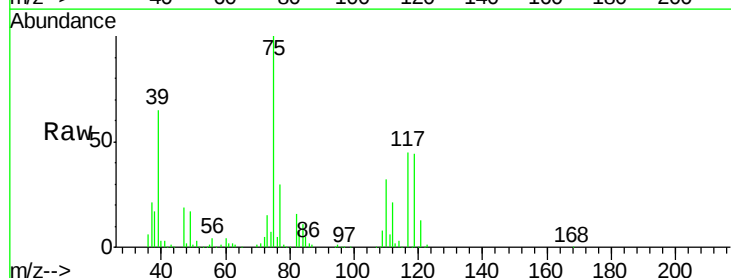
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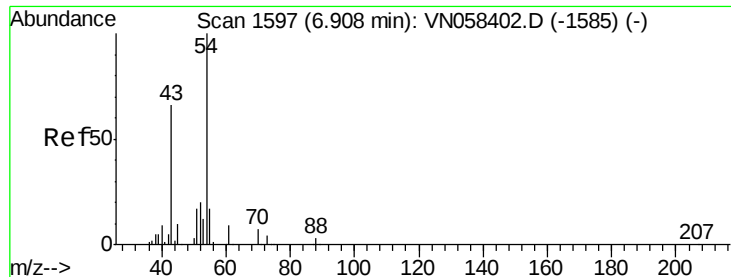
MMDadoda
 9/30/2019 10:18:47 AM



#36
 1,1-Dichloropropene
 Concen: 50.036 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	427193		
110	32.9	16.4	49.2	
77	30.4	24.3	36.5	





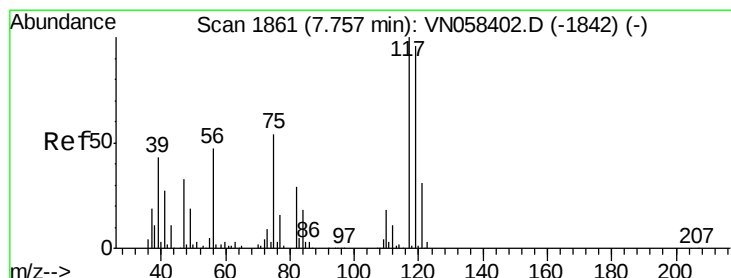
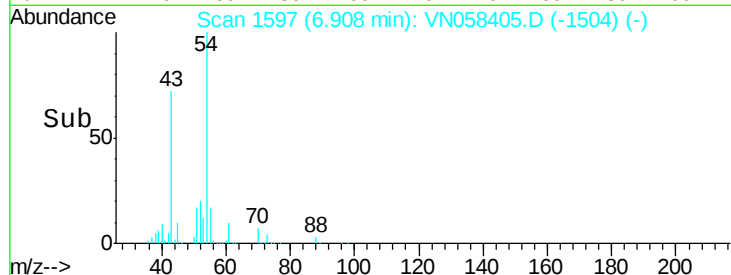
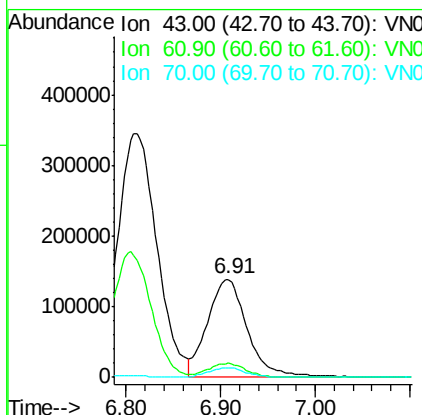
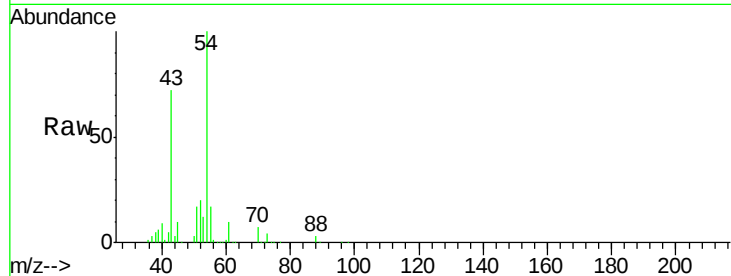
#37
Ethyl Acetate
Concen: 54.880 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.4	10.5	15.7	
70	9.8	7.8	11.6	

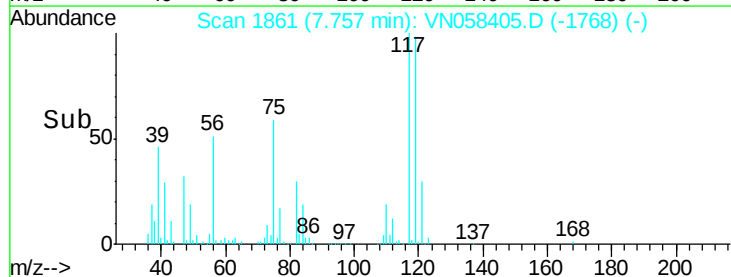
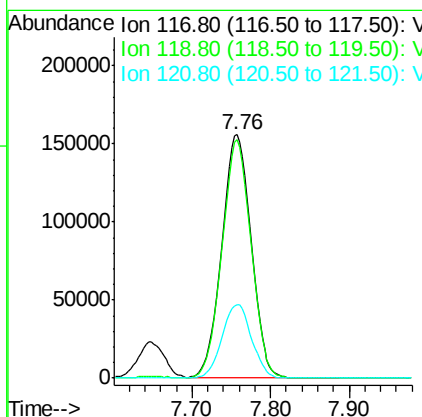
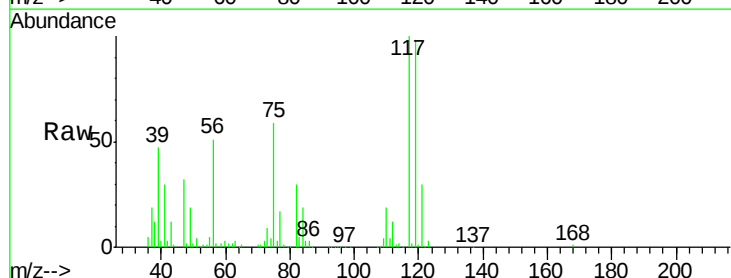
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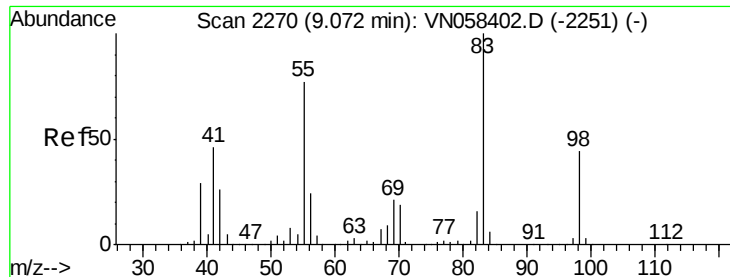
MMDadoda
9/30/2019 10:18:47 AM



#38
Carbon Tetrachloride
Concen: 52.225 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.9	76.6	115.0	
121	30.4	24.7	37.1	





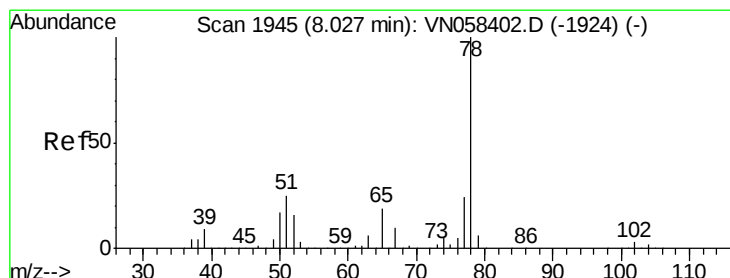
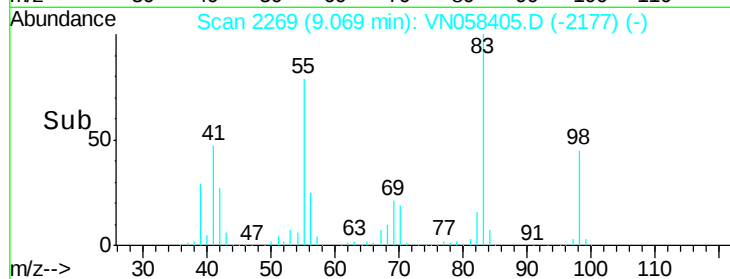
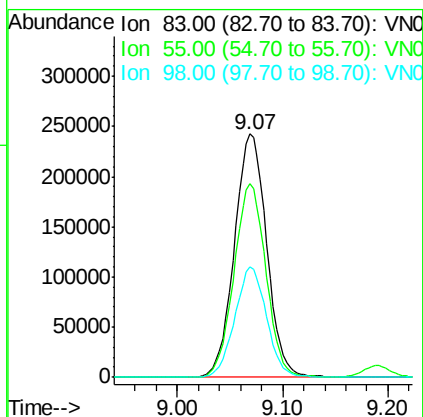
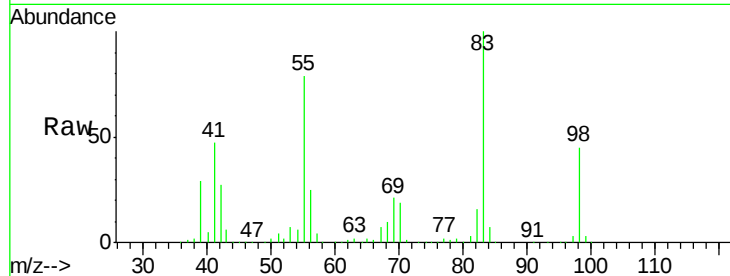
#39
Methvlcvclohexane
Concen: 51.593 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.5	61.8	92.6	
98	45.5	35.4	53.0	

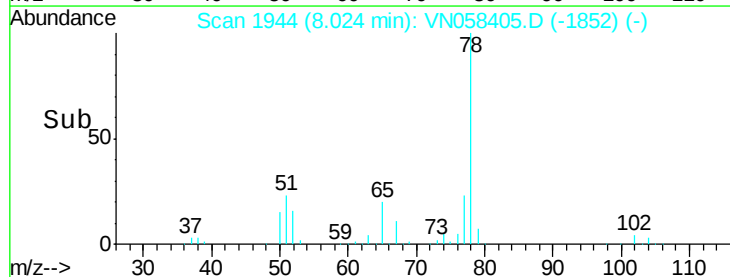
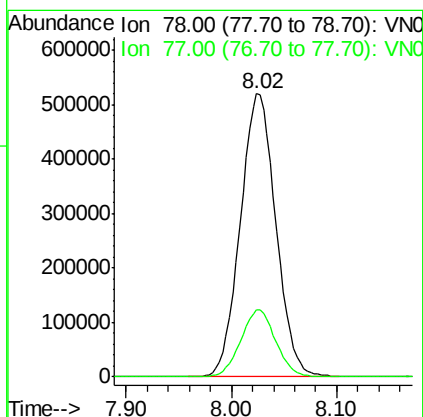
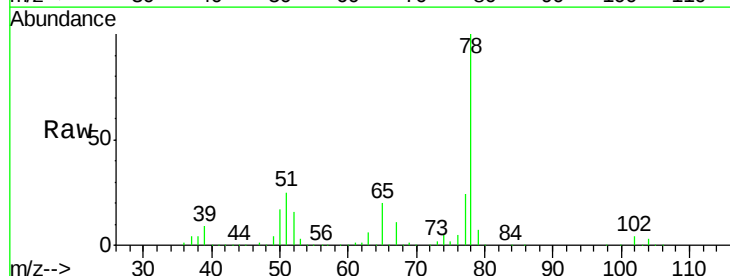
Manual Integrations
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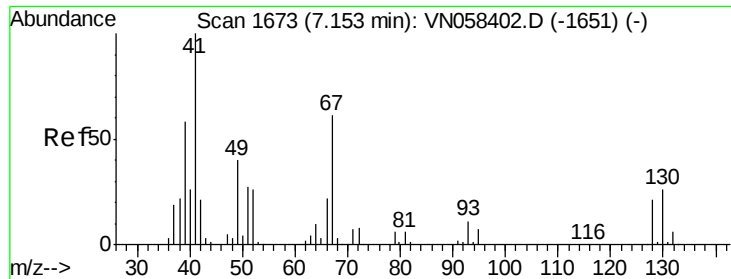
MMDadoda
9/30/2019 10:18:47 AM



#40
Benzene
Concen: 49.679 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.9	28.3	





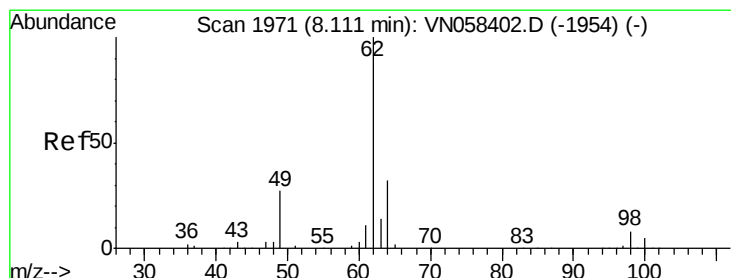
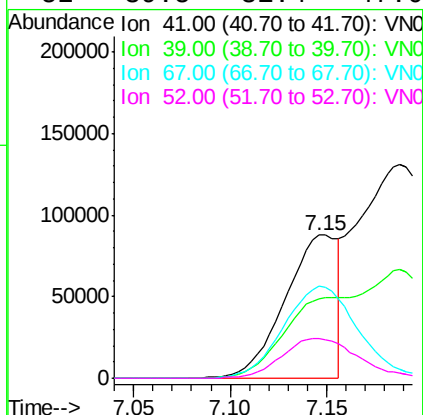
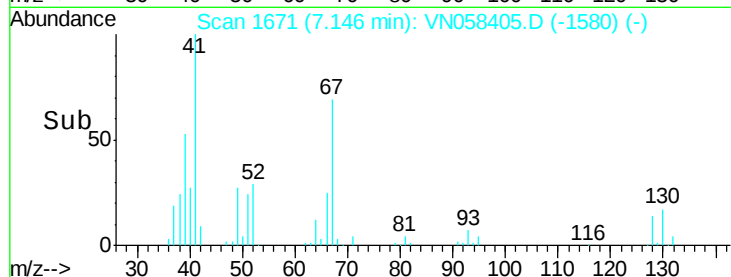
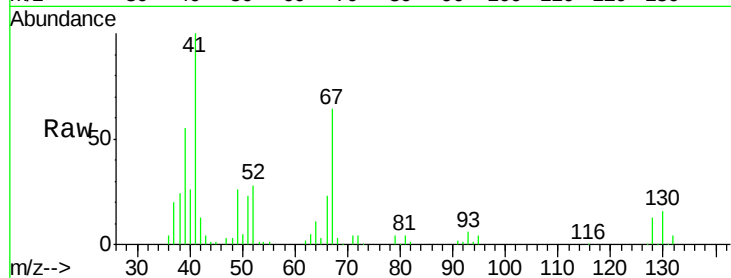
#41
Methacrylonitrile
Concen: 49.999 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.1	50.2	75.4	
67	91.6	70.2	105.4	
52	39.5	31.4	47.0	

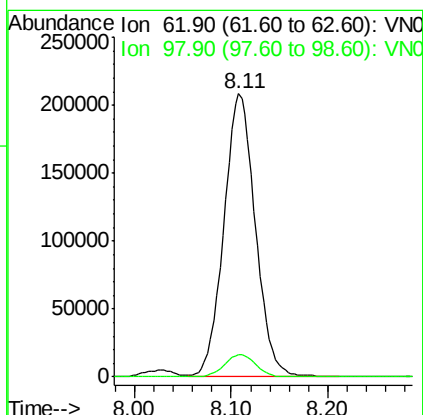
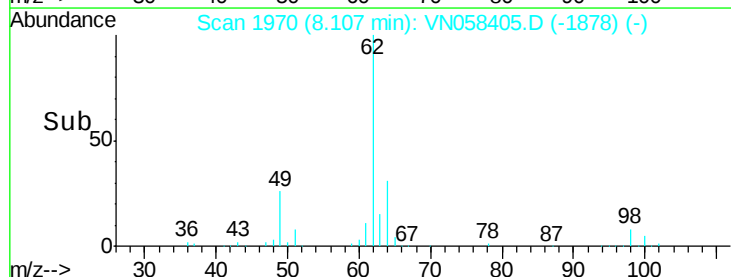
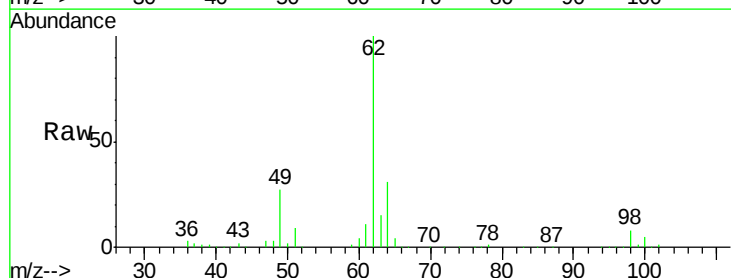
Manual Integrations
APPROVED

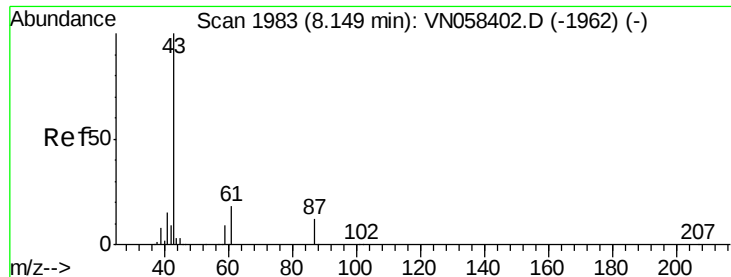
MMDadoda
9/30/2019 10:18:47 AM



#42
1,2-Dichloroethane
Concen: 49.131 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.6	





#43

Isopropyl Acetate

Concen: 50.241 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

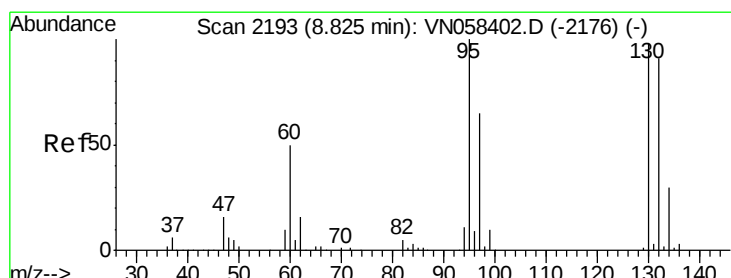
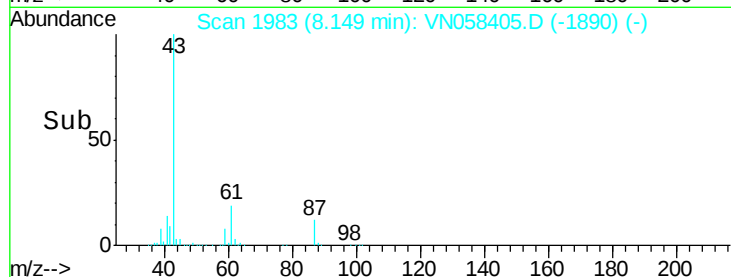
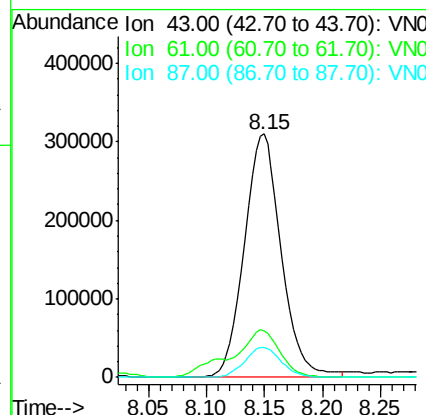
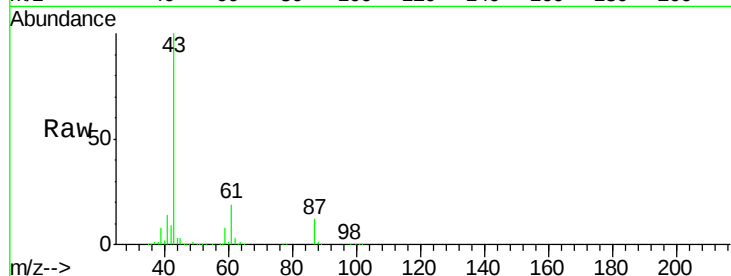
ClientSampleId :

ICVVN092719

Tot Ion:	43	Resp:	683873
Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.8	22.2
87	12.3	9.7	14.5

Manual Integrations
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MMDadoda
9/30/2019 10:18:47 AM



#44

Trichloroethene

Concen: 50.602 ug/l

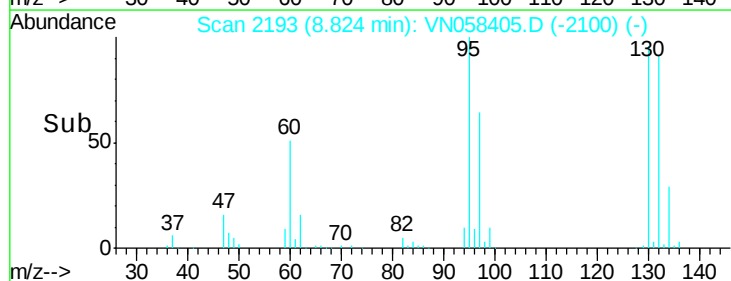
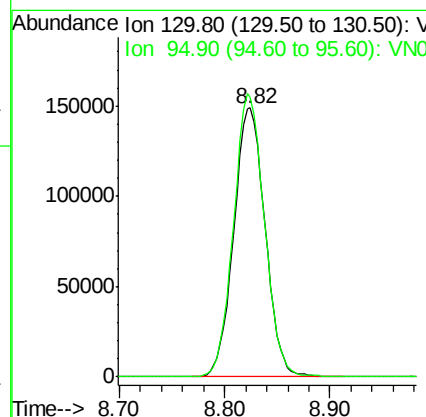
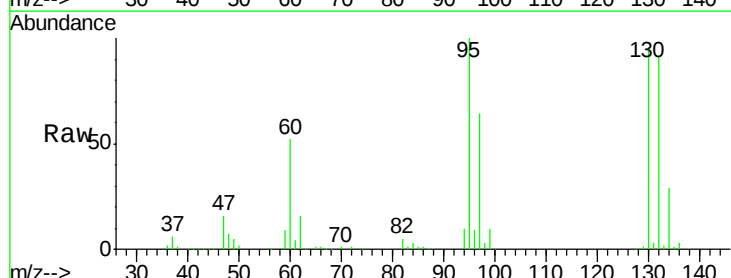
RT: 8.82 min Scan# 2193

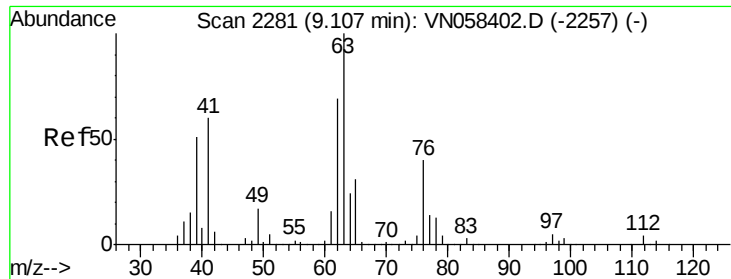
Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	130	Resp:	306638
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	204.2





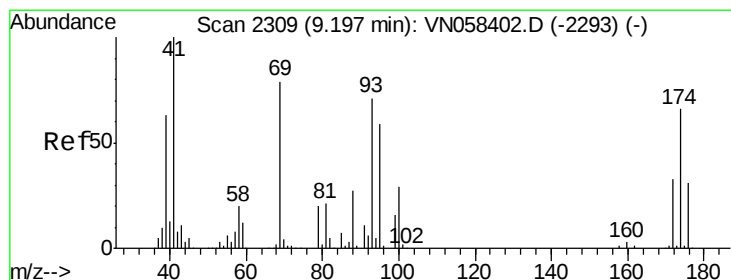
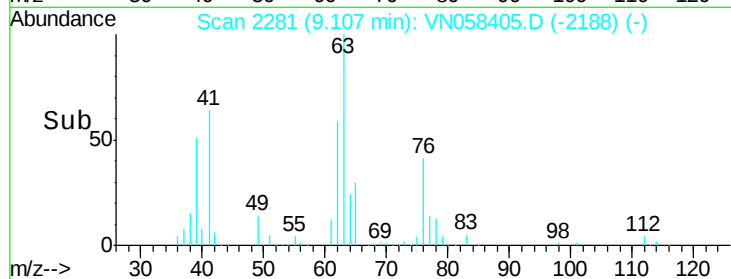
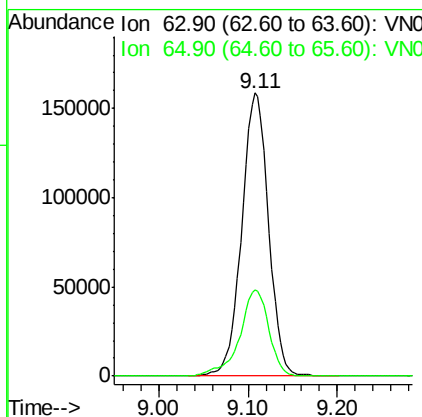
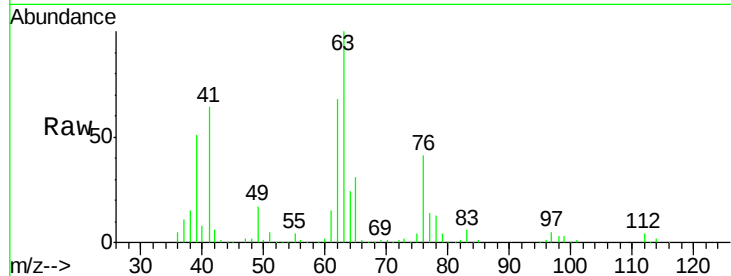
#45
 1,2-Dichloropropane
 Concen: 50.042 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.0	37.4

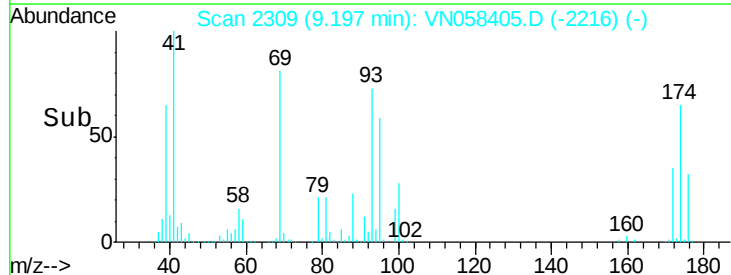
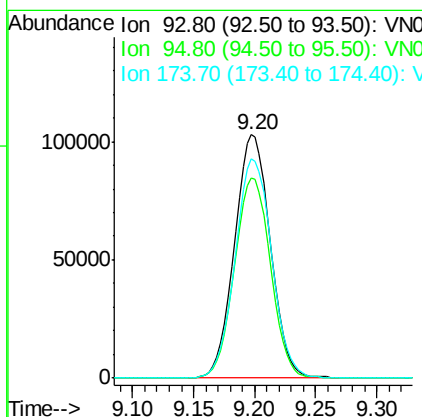
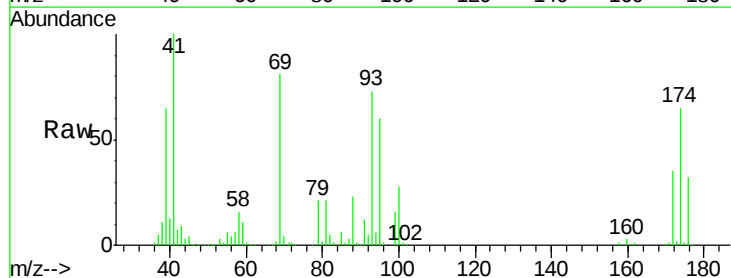
Manual Integrations
 APPROVED

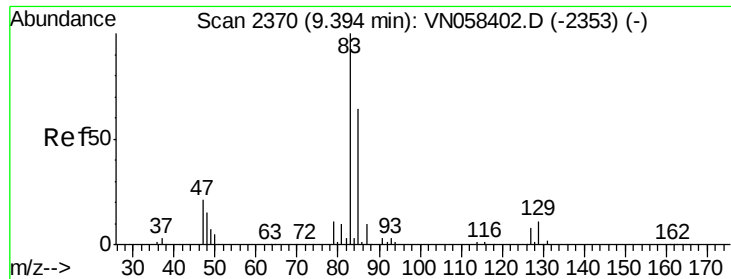
MMDadoda
 9/30/2019 10:18:47 AM



#46
 Dibromomethane
 Concen: 50.186 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.0	100.4
174	92.0	74.2	111.2





#47

Bromodichloromethane

Concen: 53.739 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

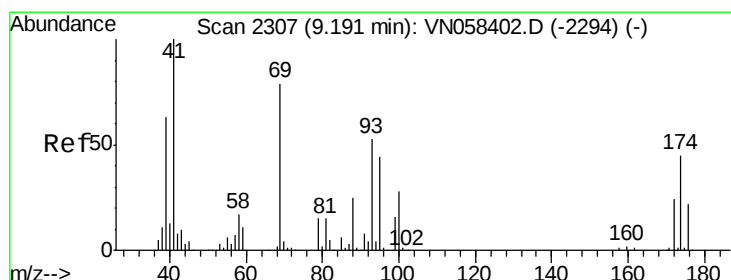
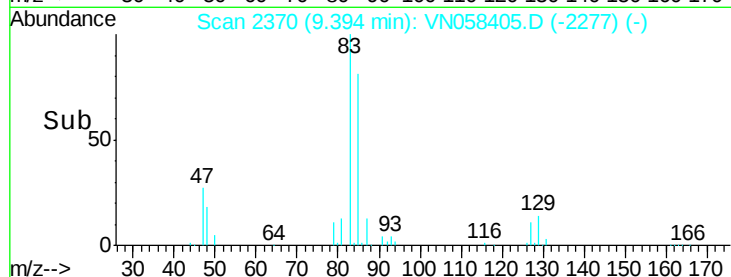
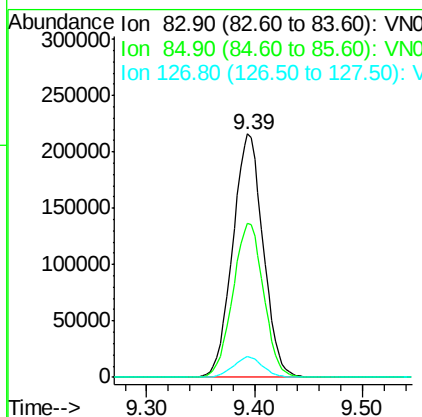
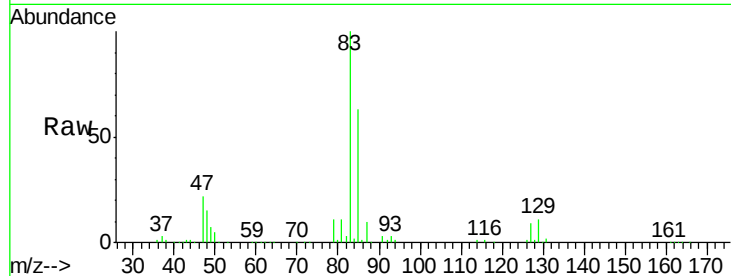
ClientSampleId :

ICVVN092719

Tot Ion:	83	Resp:	424397
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.2	76.8
127	8.5	6.3	9.5

Manual Integrations
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MMDadoda
9/30/2019 10:18:47 AM



#48

Methyl methacrylate

Concen: 52.755 ug/l

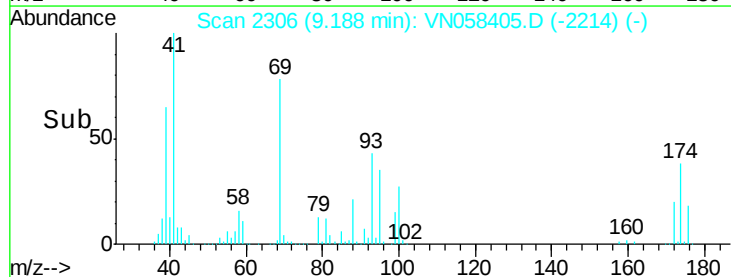
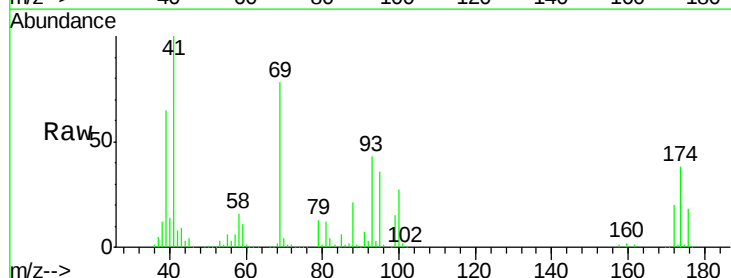
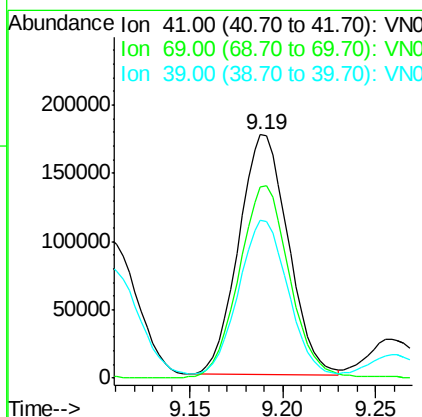
RT: 9.19 min Scan# 2306

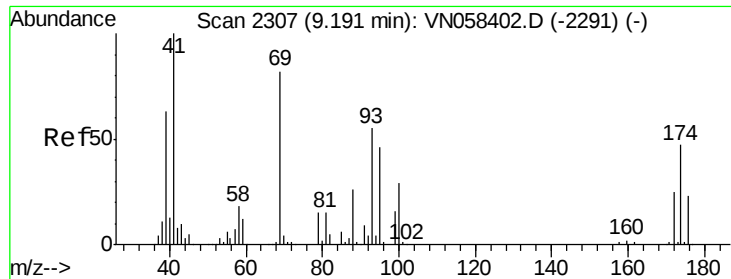
Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	41	Resp:	326980
Ion Ratio	Lower	Upper	
41	100		
69	81.3	64.7	97.1
39	66.2	52.9	79.3





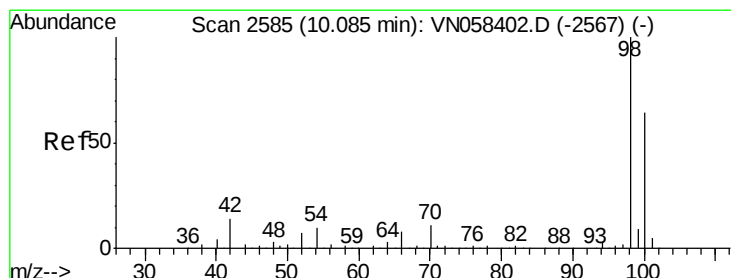
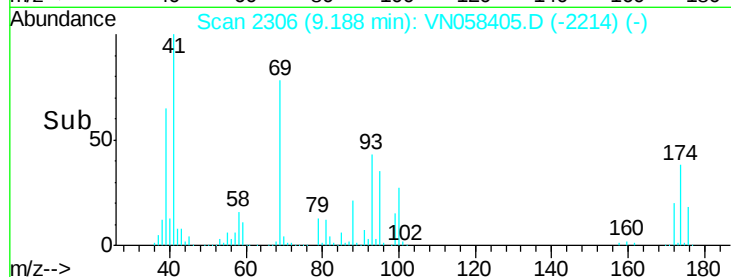
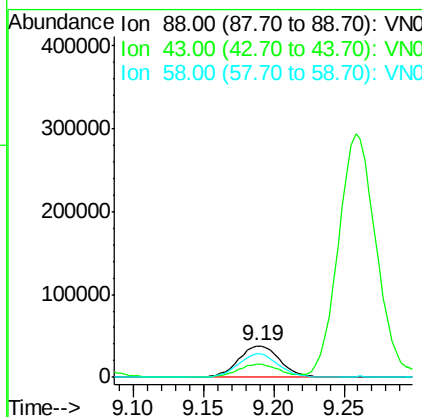
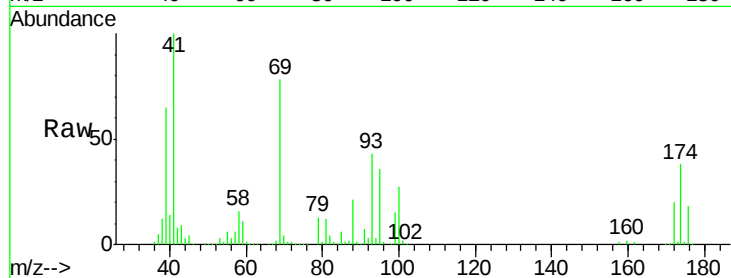
#49
1,4-Dioxane
Concen: 946.052 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	31.1	46.7
58	73.2	58.1	87.1

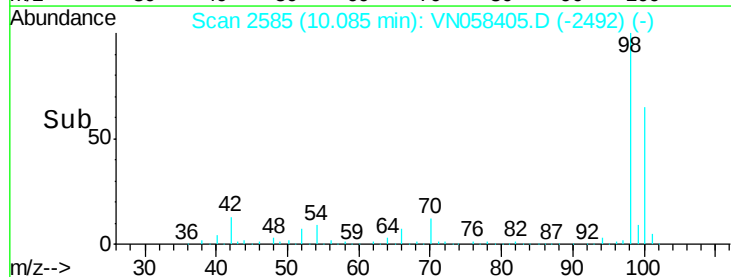
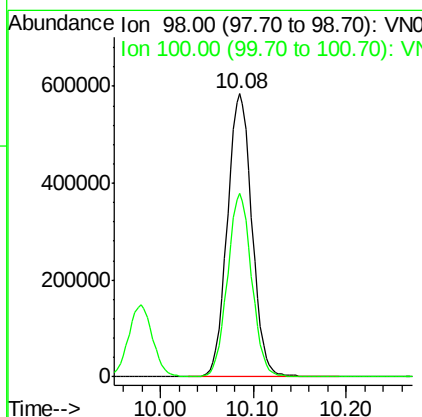
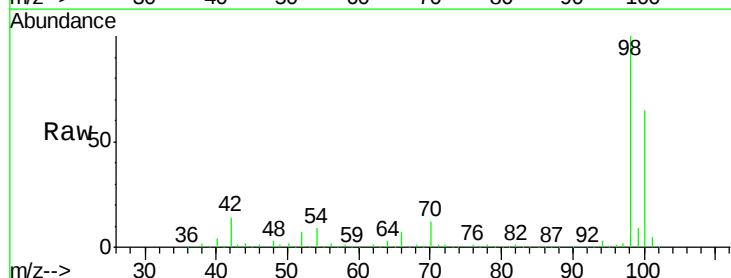
Manual Integrations
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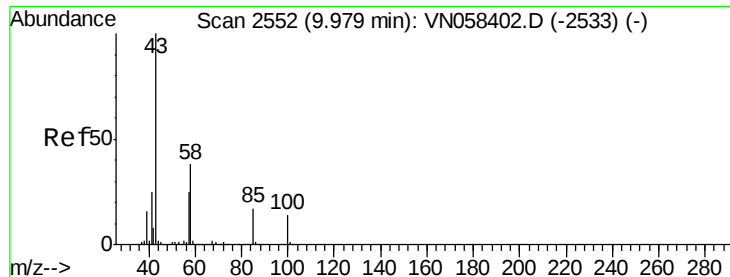
MMDadoda
9/30/2019 10:18:47 AM



#50
Toluene-d8
Concen: 50.205 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 282.011 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion: 43 Resp: 1971809

Ion Ratio Lower Upper

43 100

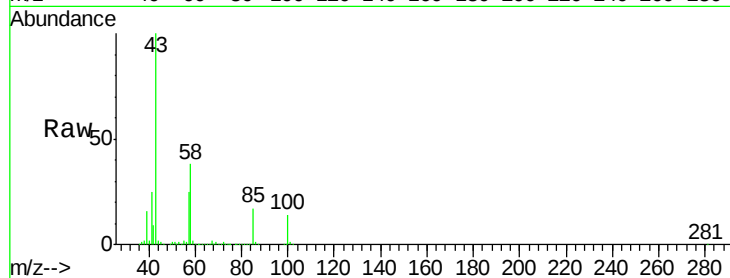
58 37.8 30.2 45.2

Manual Integrations

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MMDadoda

9/30/2019 10:18:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1200000

1000000

800000

600000

400000

200000

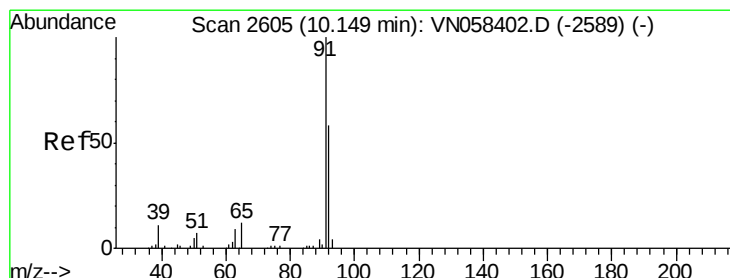
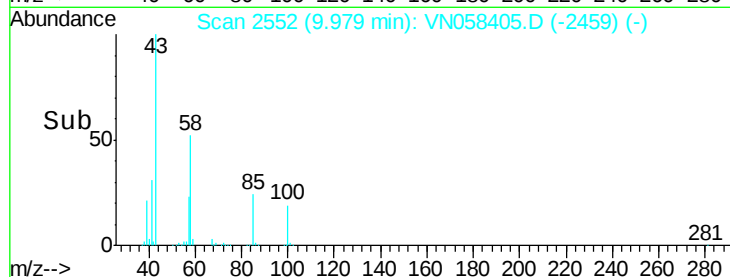
0

9.90

9.98

10.00

Time-->



#52

Toluene

Concen: 49.741 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058405.D

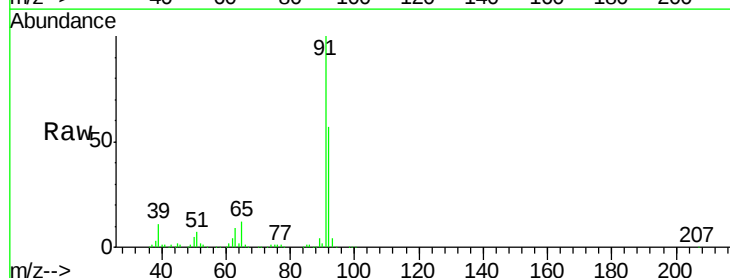
Acq: 27 Sep 2019 13:55

Tgt Ion: 92 Resp: 768360

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

400000

200000

0

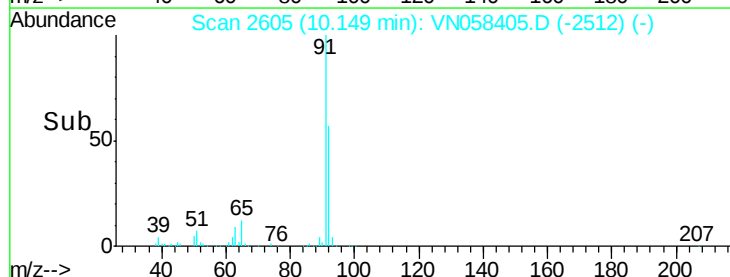
10.00

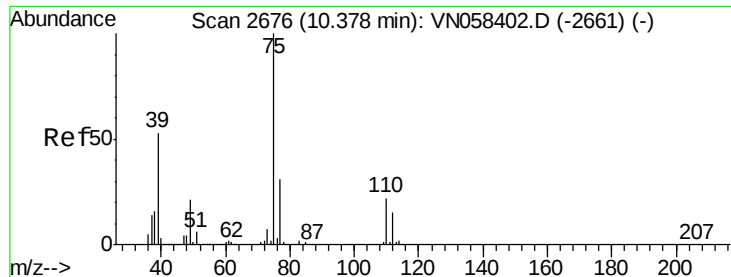
10.15

10.20

10.30

Time-->





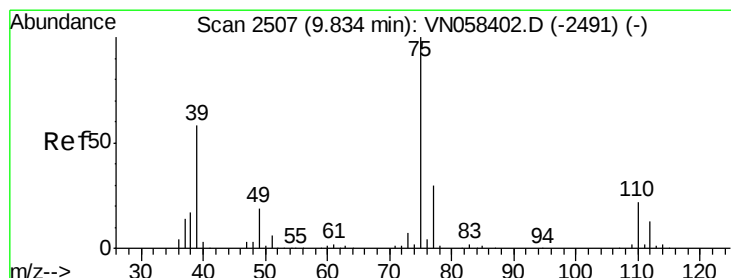
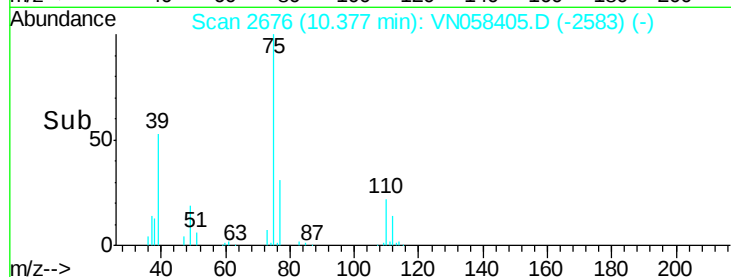
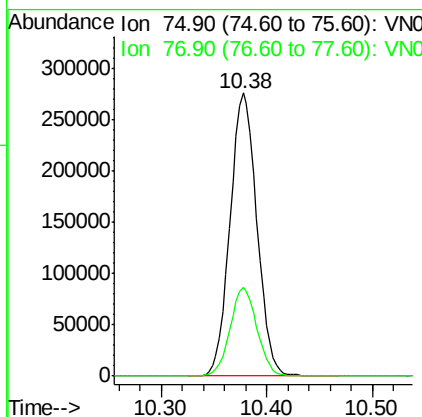
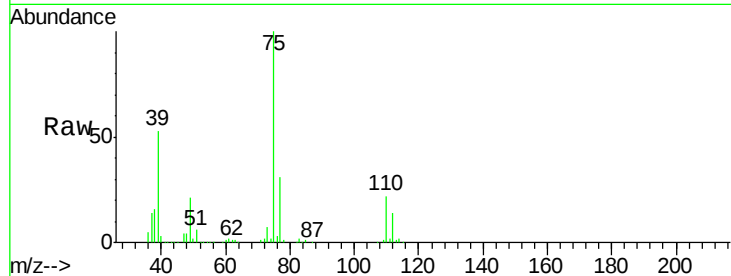
#53
t-1,3-Dichloropropene
Concen: 56.413 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion: 75 Resp: 484919
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8

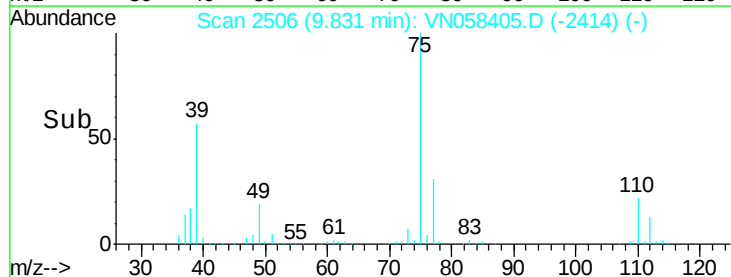
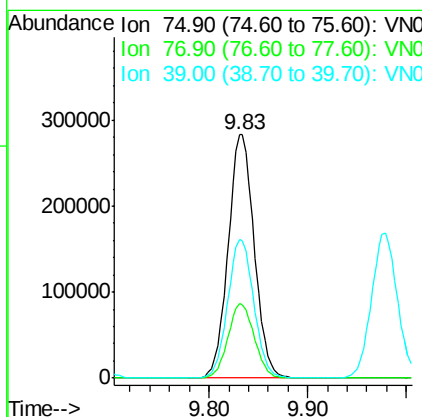
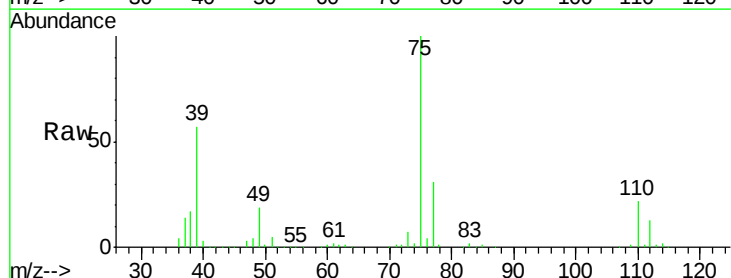
Manual Integrations
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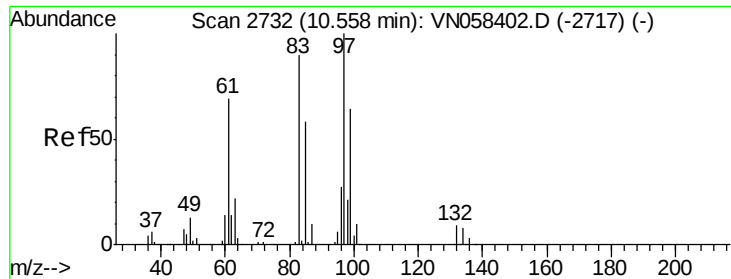
MMDadoda
9/30/2019 10:18:47 AM



#54
cis-1,3-Dichloropropene
Concen: 54.901 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion: 75 Resp: 523849
Ion Ratio Lower Upper
75 100
77 30.5 24.2 36.4
39 57.0 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 51.603 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

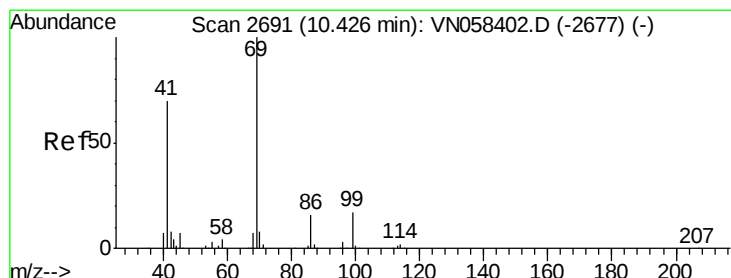
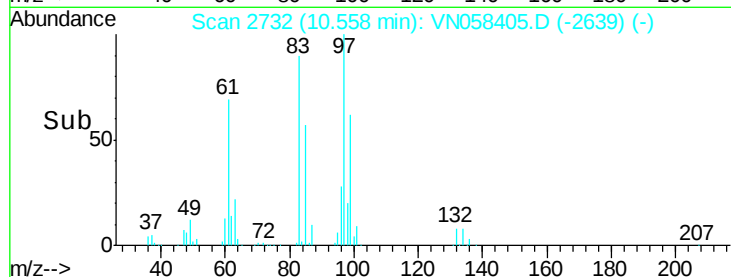
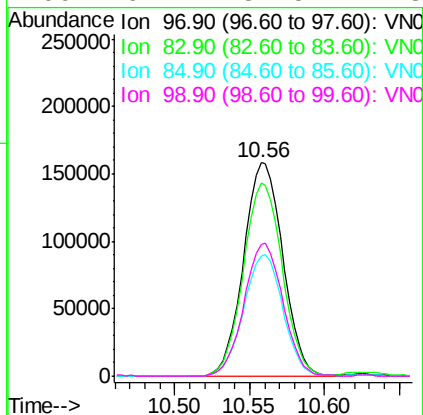
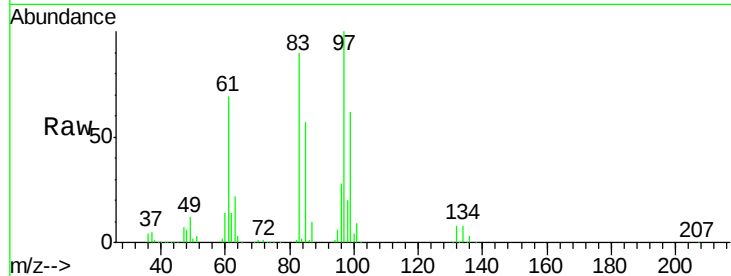
ClientSampleId :

ICVVN092719

Tot Ion:	97	Resp:	290245
Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.8	107.6
85	56.6	46.6	69.8
99	61.7	51.5	77.3

Manual Integrations
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MMDadoda
9/30/2019 10:18:47 AM



#56

Ethyl methacrylate

Concen: 56.236 ug/l

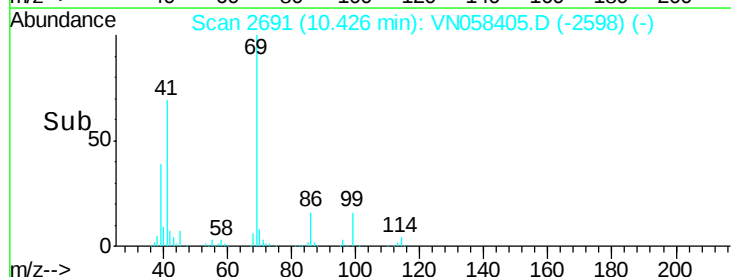
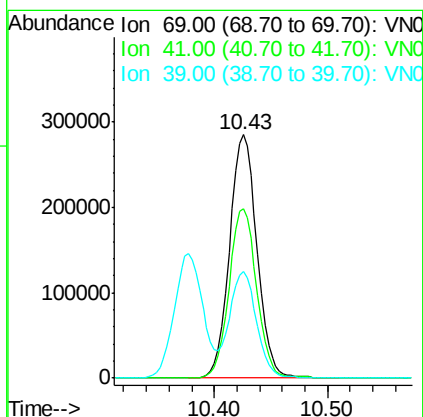
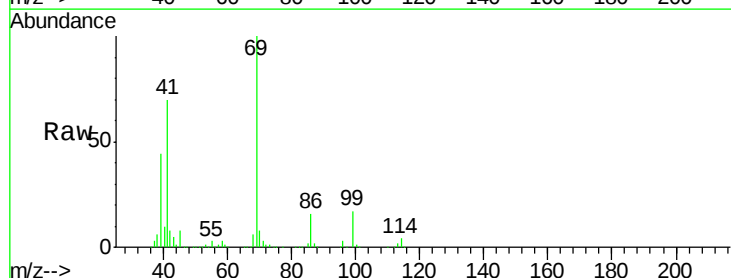
RT: 10.43 min Scan# 2691

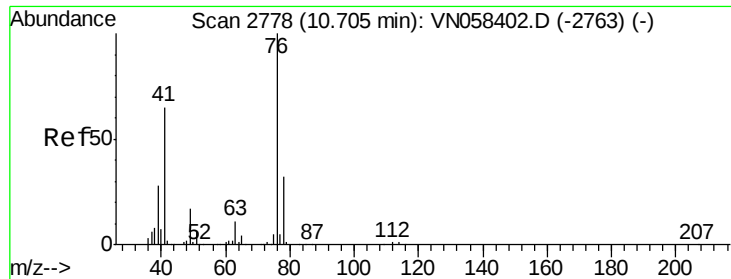
Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	69	Resp:	479958
Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.3	84.5
39	42.7	35.8	53.6





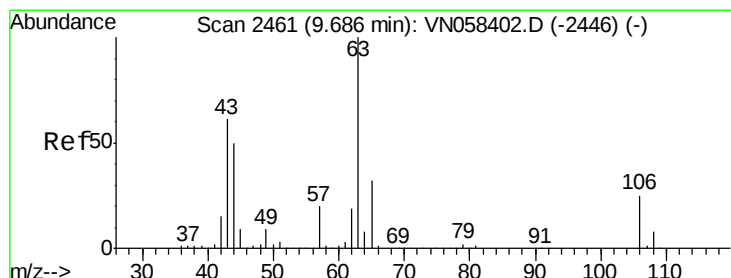
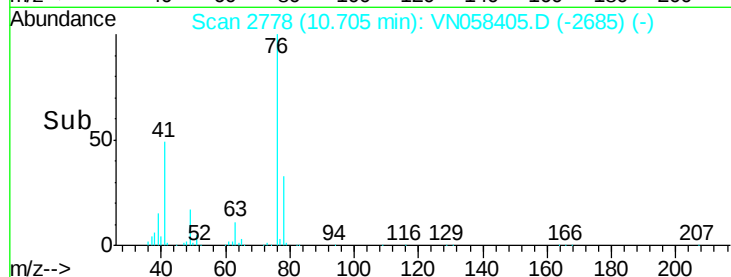
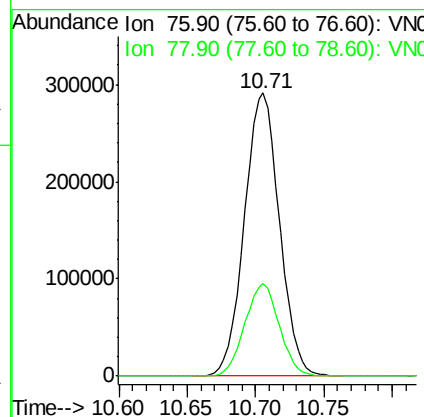
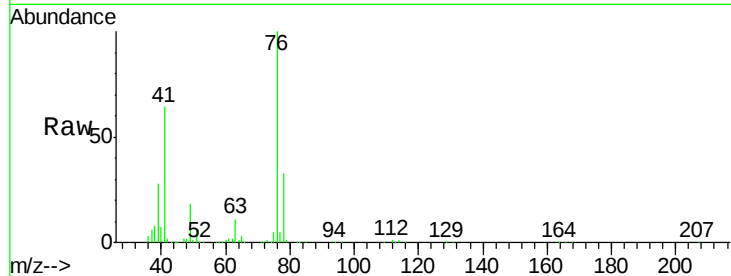
#57
 1,3-Dichloropropane
 Concen: 51.797 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

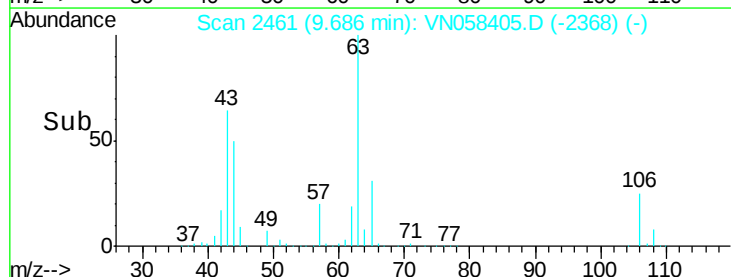
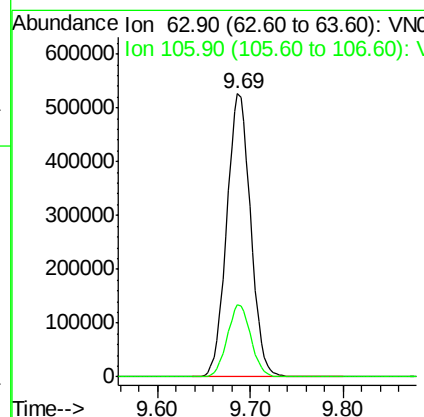
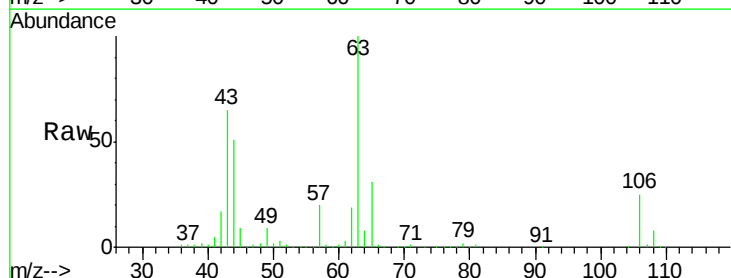
Manual Integrations
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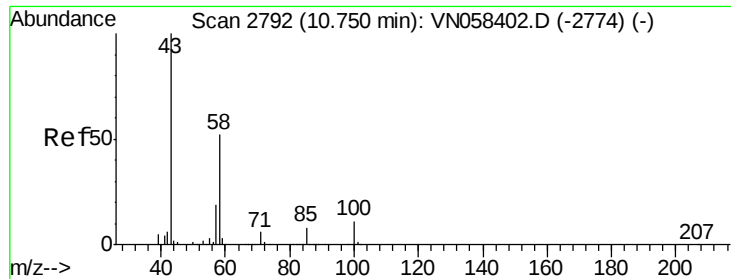
MMDadoda
 9/30/2019 10:18:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.855 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	20.3	30.5





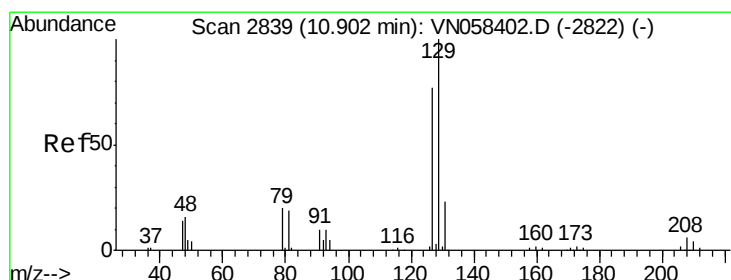
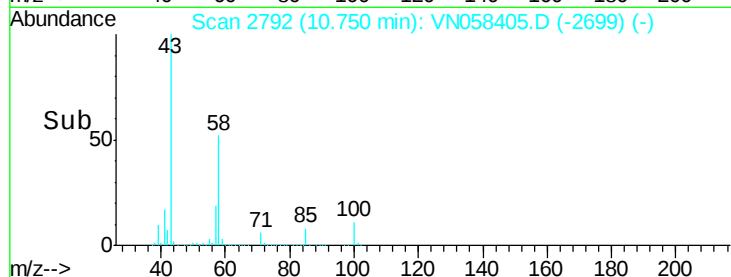
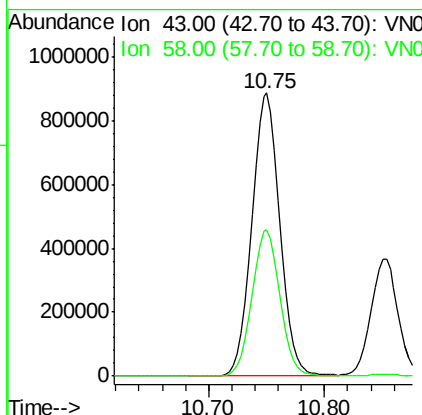
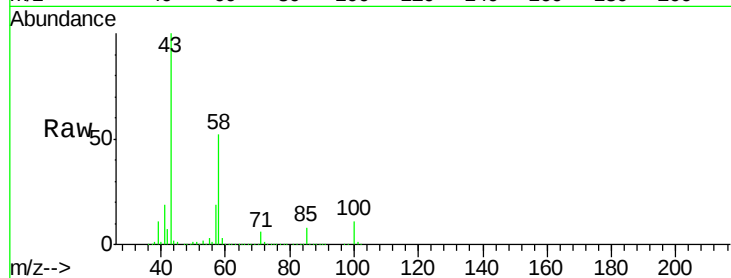
#59
2-Hexanone
Concen: 293.516 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion: 43 Resp: 1494347
Ion Ratio Lower Upper
43 100
58 51.8 25.8 77.3

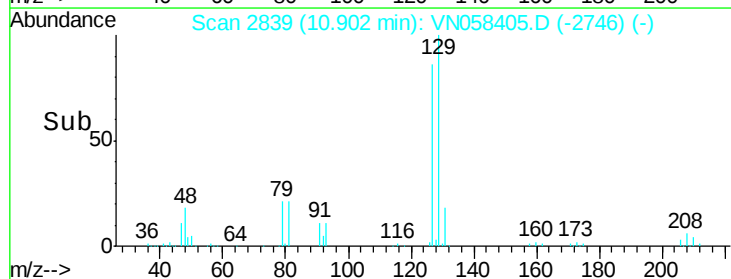
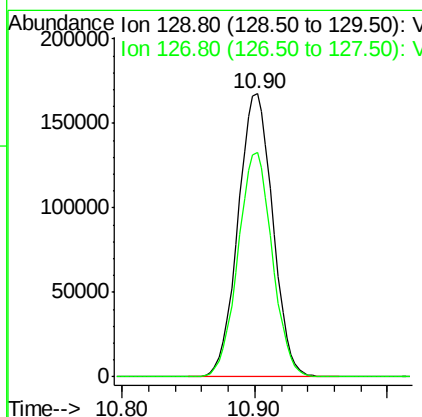
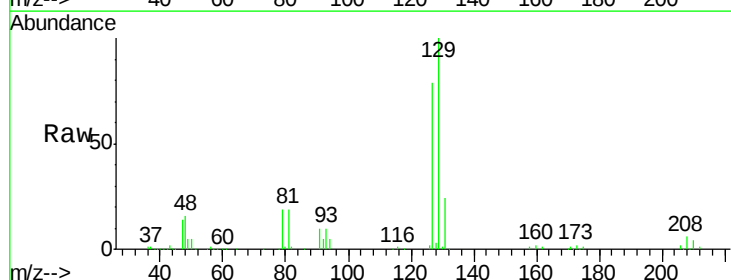
Manual Integrations
APPROVED

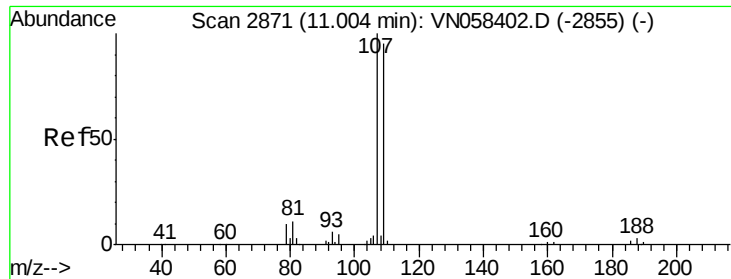
MMDadoda
9/30/2019 10:18:47 AM



#60
Dibromochloromethane
Concen: 52.398 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion:129 Resp: 305035
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





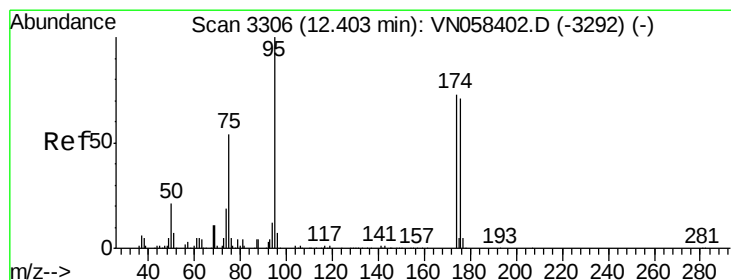
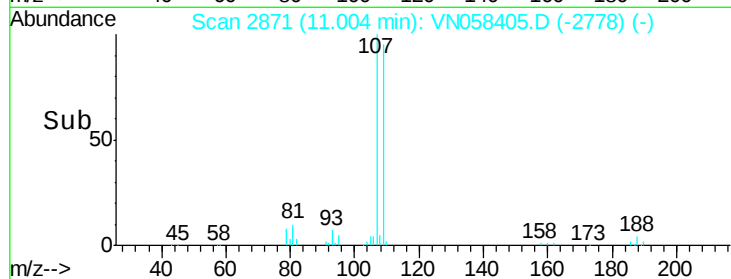
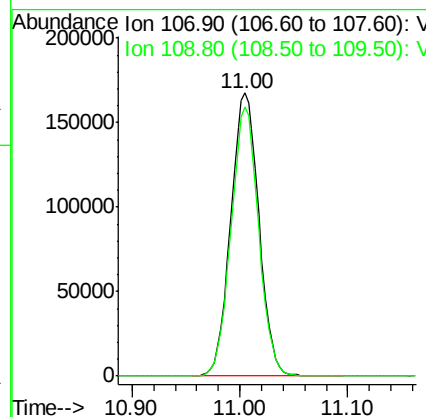
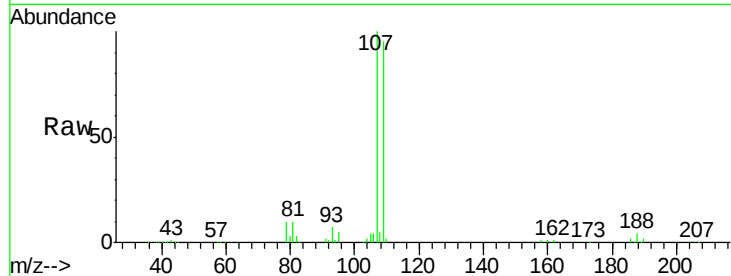
#61
 1,2-Dibromoethane
 Concen: 53.062 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
107	100	304958		
109	93.1	75.3	112.9	

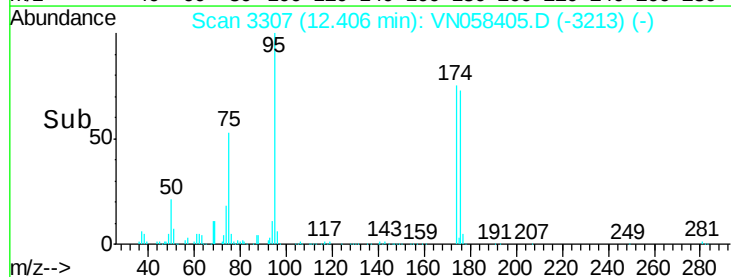
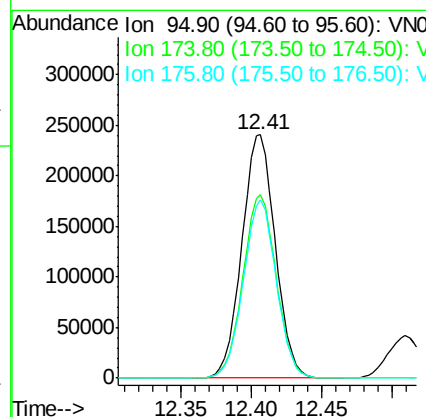
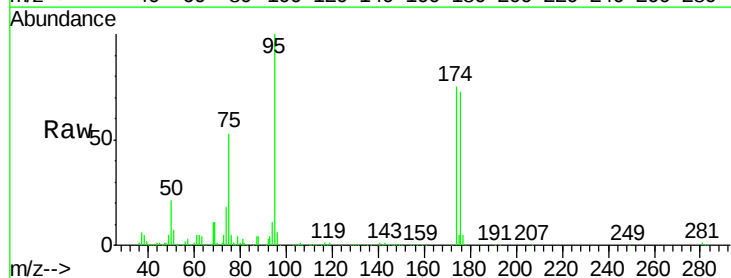
Manual Integrations
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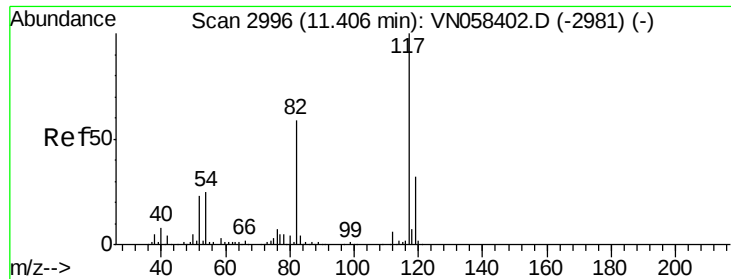
MMDadoda
 9/30/2019 10:18:47 AM



#62
 4-Bromofluorobenzene
 Concen: 51.566 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	399717		
174	75.2	0.0	150.6	
176	72.2	0.0	146.2	





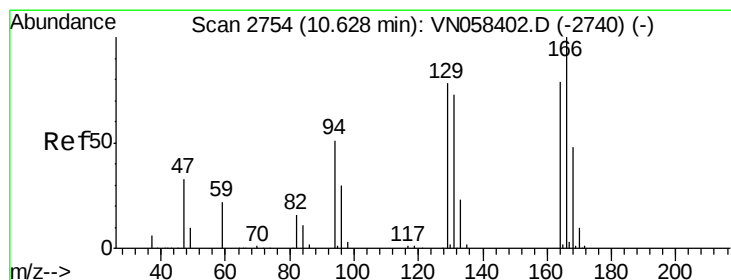
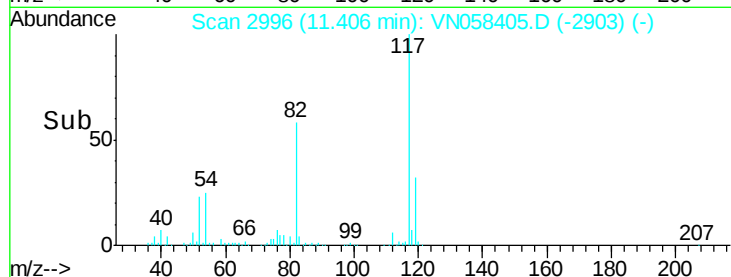
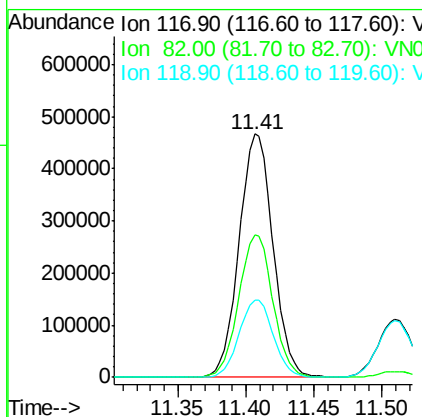
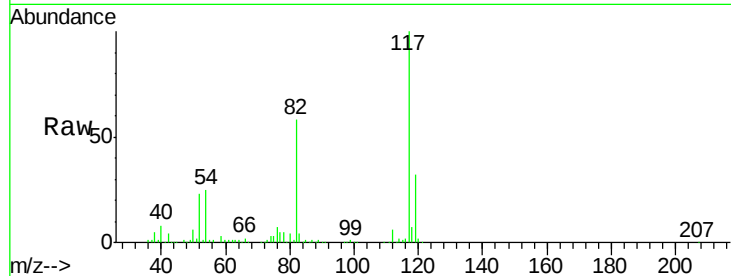
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
117	100	806183		
82	58.5		47.4	71.0
119	31.8		25.5	38.3

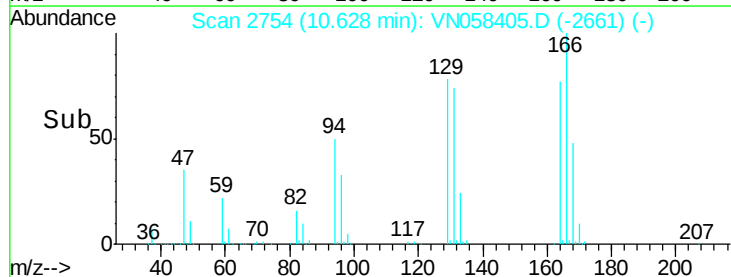
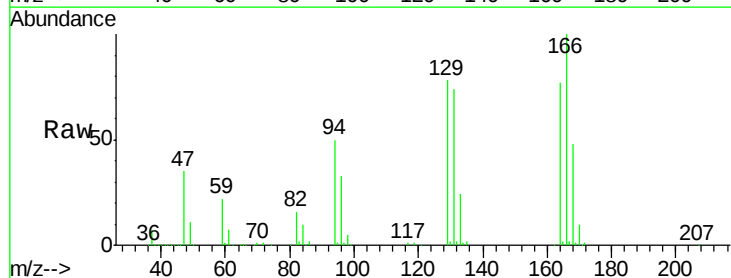
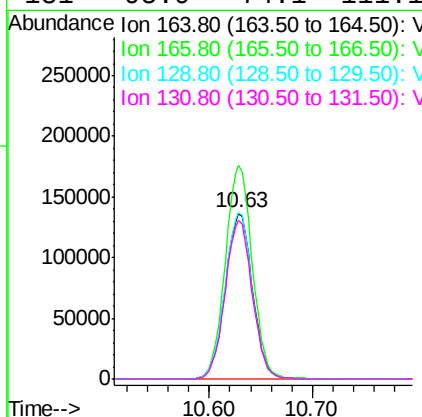
Manual Integrations
APPROVED

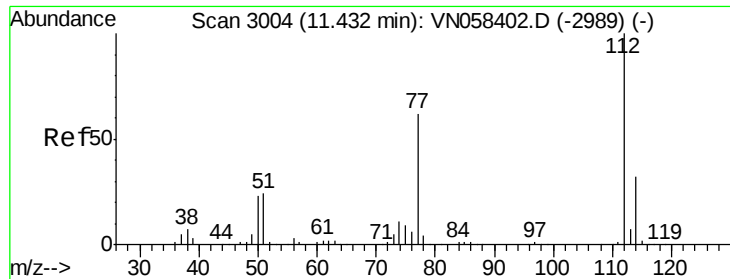
MMDadoda
9/30/2019 10:18:47 AM



#64
Tetrachloroethene
Concen: 49.036 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	251159		
166	129.4		101.1	151.7
129	101.2		79.2	118.8
131	95.9		74.1	111.1





#65

Chlorobenzene

Concen: 50.190 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion:112 Resp: 804299

Ion Ratio Lower Upper

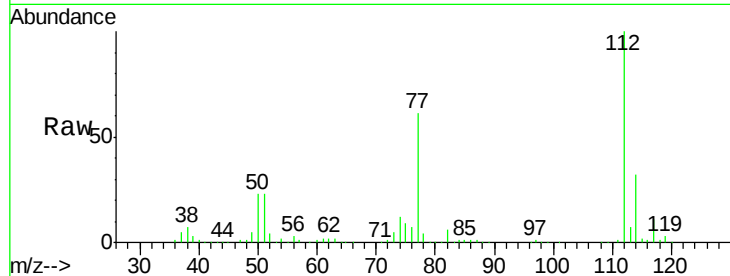
112 100

114 32.1 25.4 38.2

Manual Integrations
APPROVED

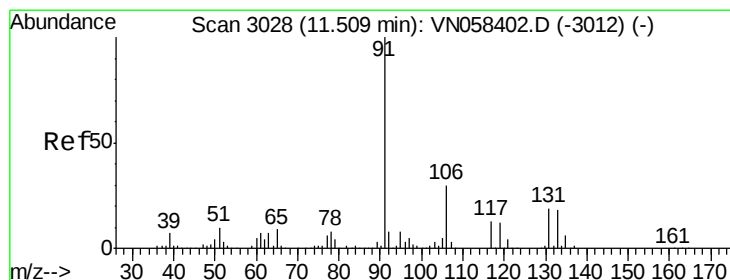
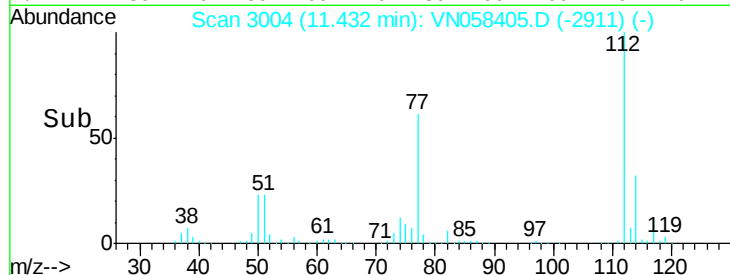
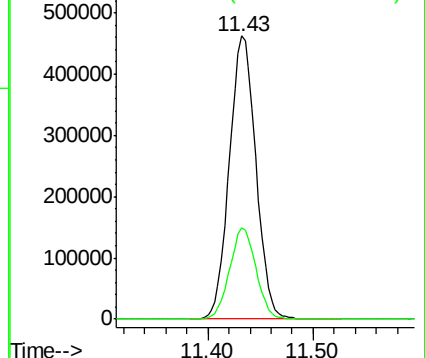
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.076 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

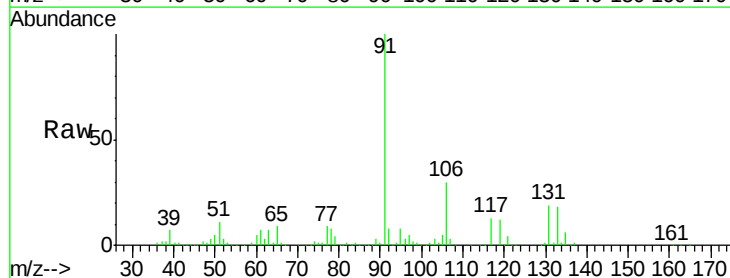
Tgt Ion:131 Resp: 286569

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

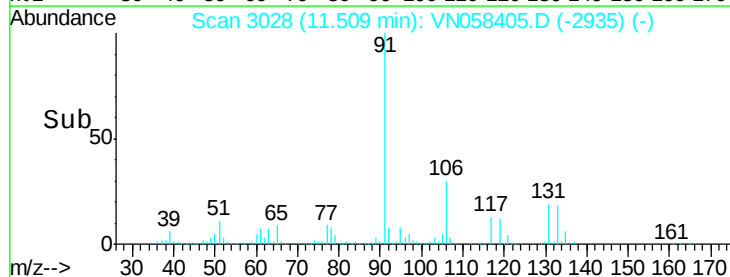
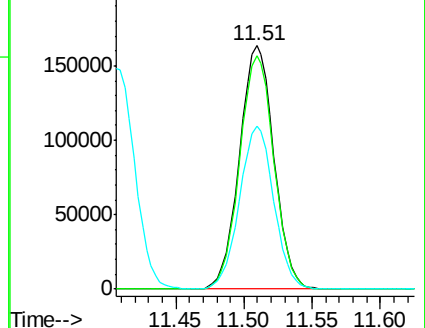
119 66.6 33.0 99.0

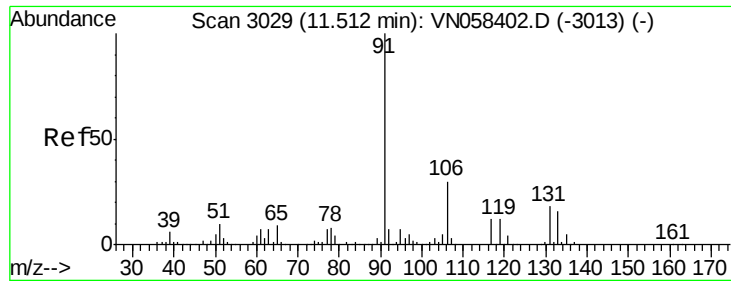


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





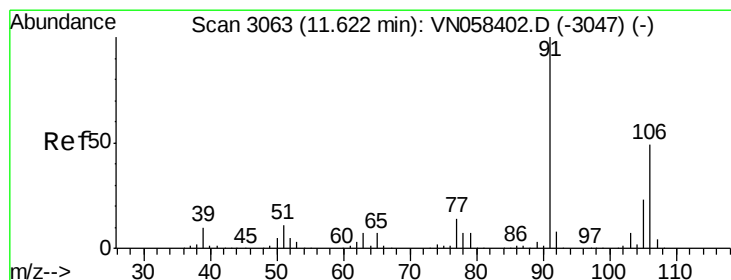
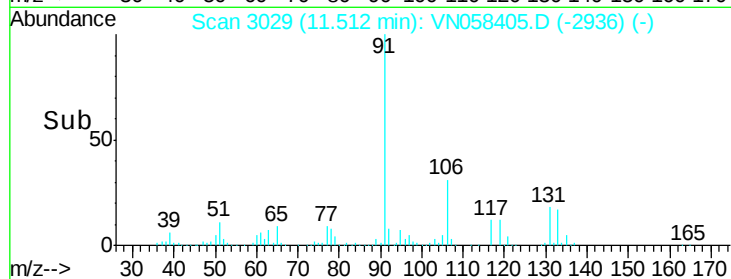
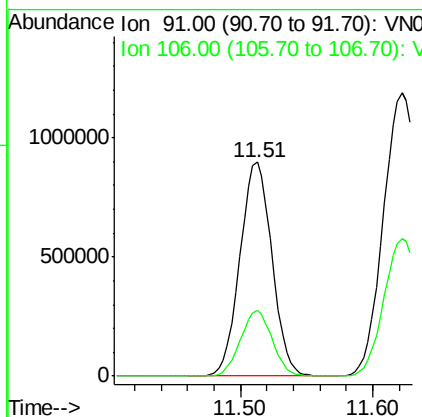
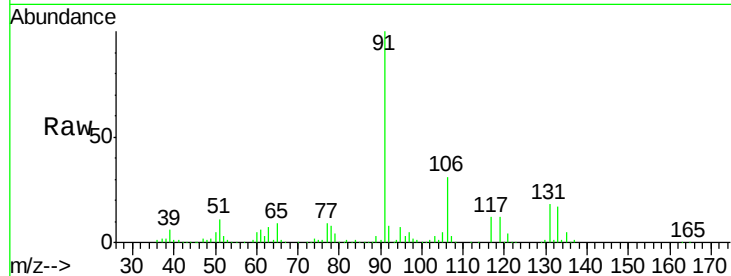
#67
Ethyl Benzene
Concen: 51.785 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampled :
ICVVN092719

Tot Ion: 91 Resp: 1503123
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

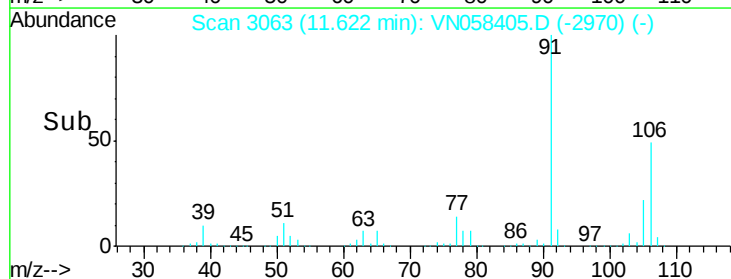
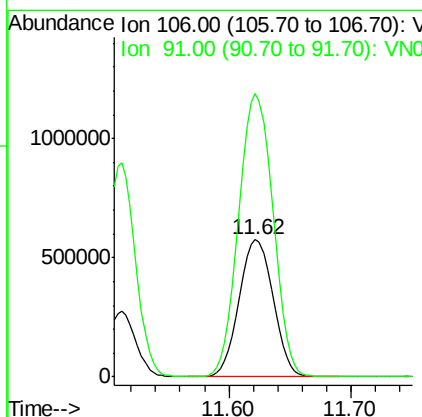
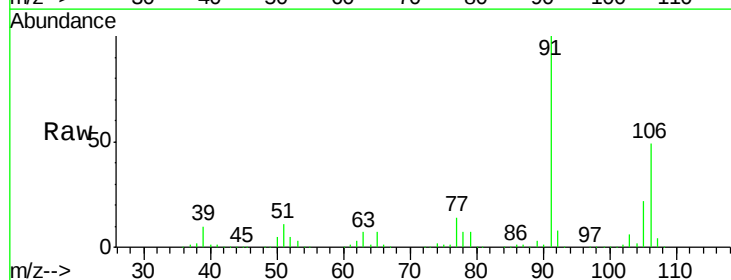
Manual Integrations
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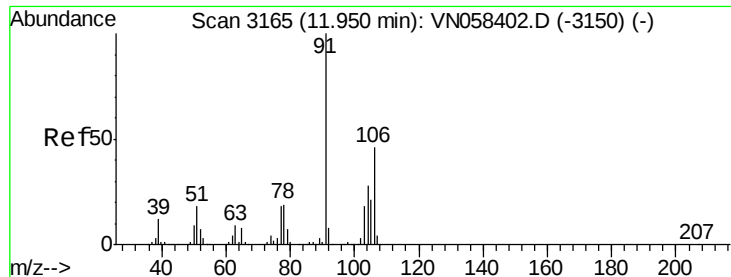
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#68
m/p-Xylenes
Concen: 101.728 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion: 106 Resp: 1110947
Ion Ratio Lower Upper
106 100
91 208.7 165.0 247.4





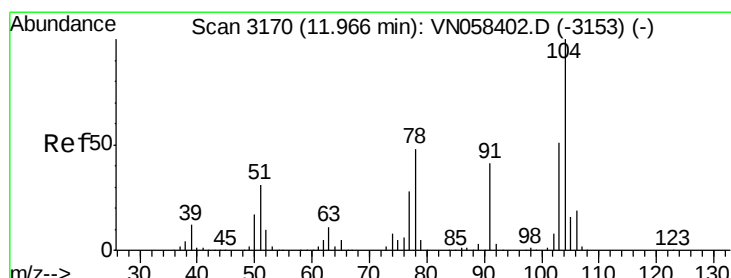
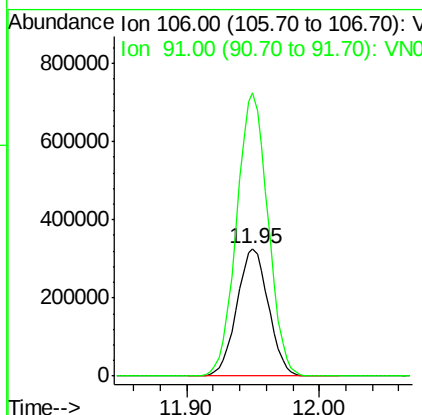
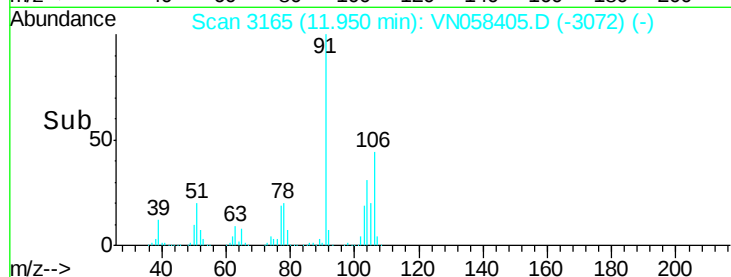
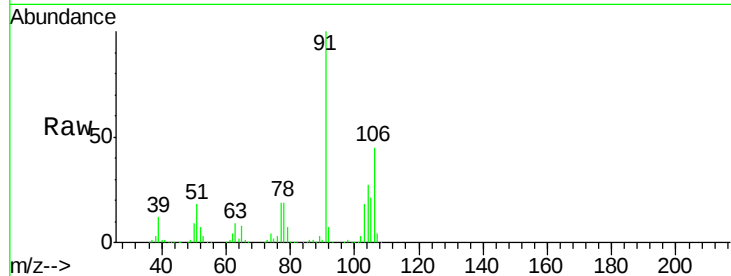
#69
o-Xylene
Concen: 51.258 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampled :
ICVVN092719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	220.5	109.1	538865	327.4	

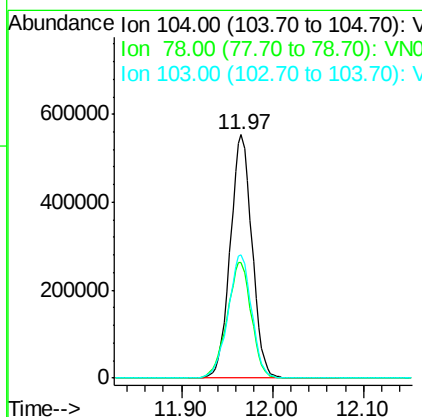
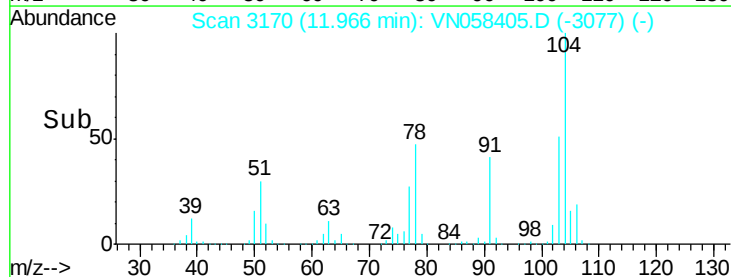
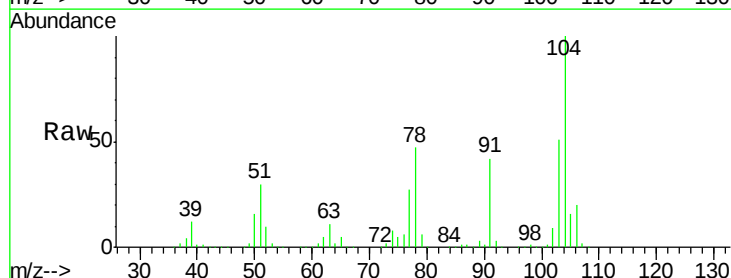
Manual Integrations
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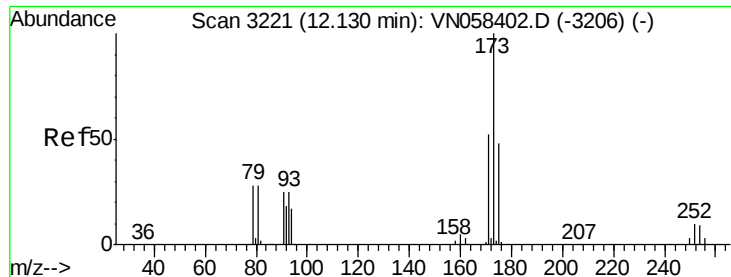
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#70
Styrene
Concen: 53.803 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.9	42.8	918893	64.2	
103	54.9	43.7		65.5	





#71

Bromoform

Concen: 52.430 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

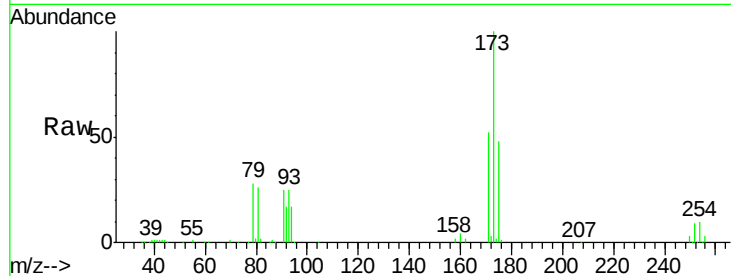
ClientSampleId :

ICVVN092719

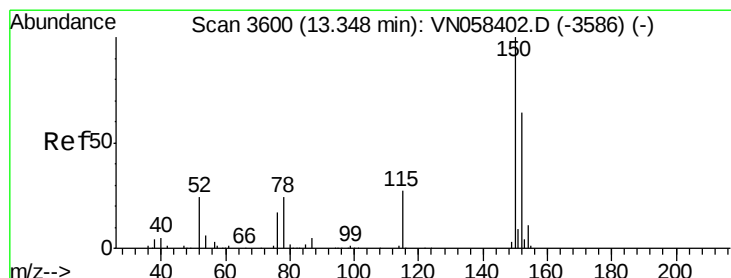
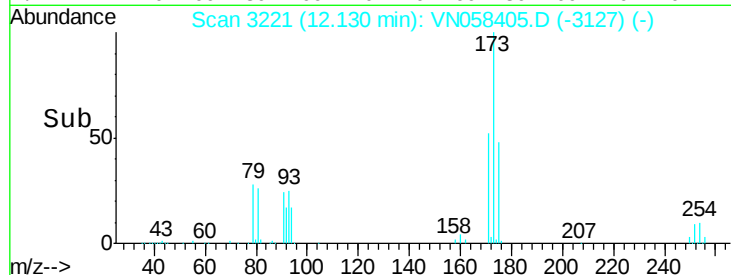
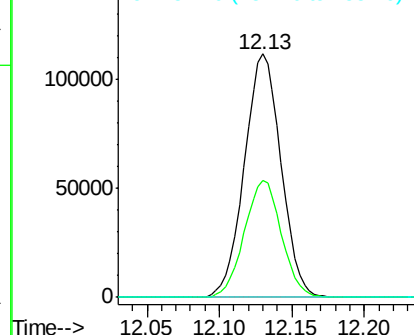
Tot Ion:	173	Resp:	195755
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.3	73.0
254	0.1	0.1	0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

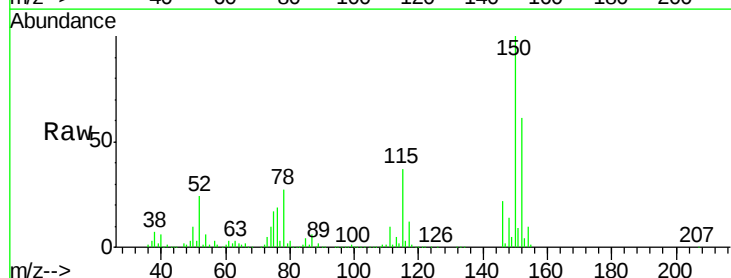
RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

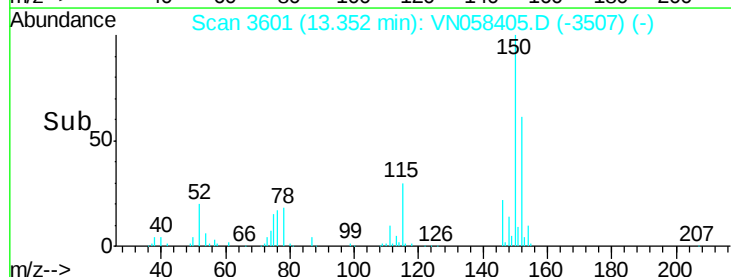
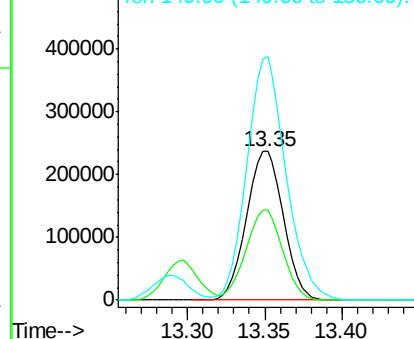
Lab File: VN058405.D

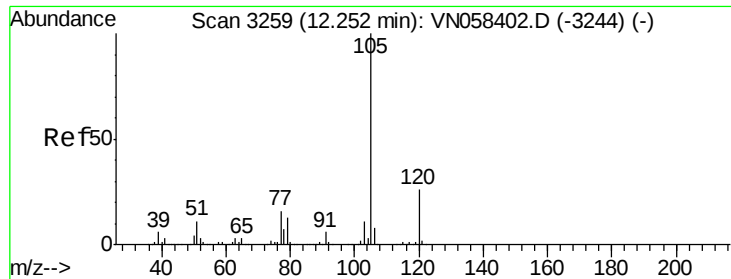
Acq: 27 Sep 2019 13:55

Tgt Ion:	152	Resp:	393972
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.0	90.0
150	173.6	0.0	348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.151 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion:105 Resp: 1460157

Ion Ratio Lower Upper

105 100

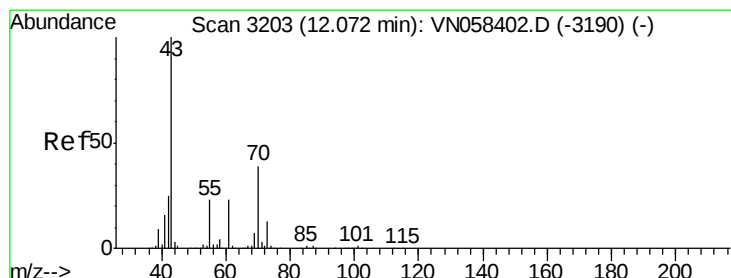
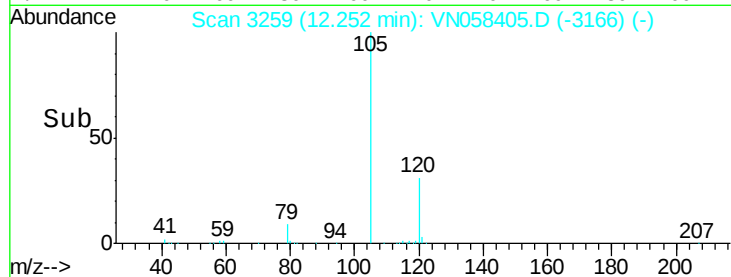
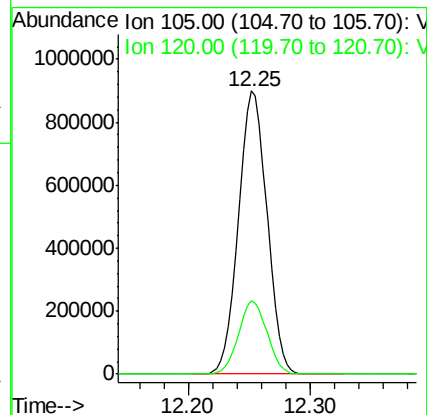
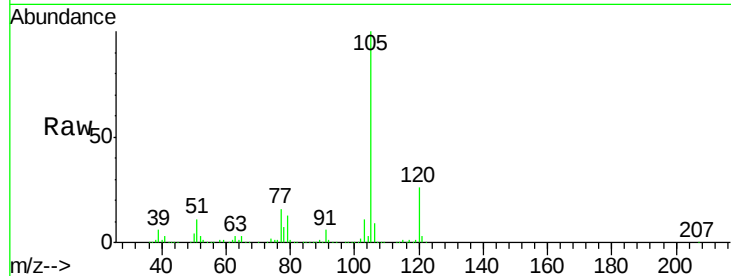
120 25.8 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.796 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion: 43 Resp: 623119

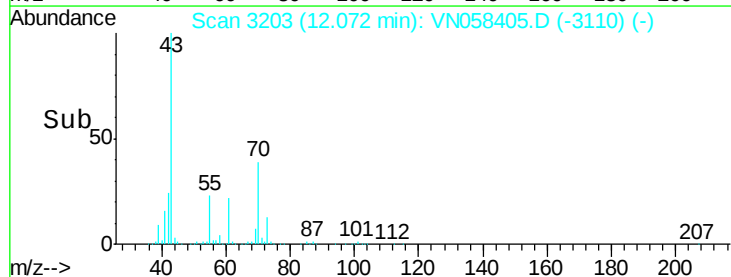
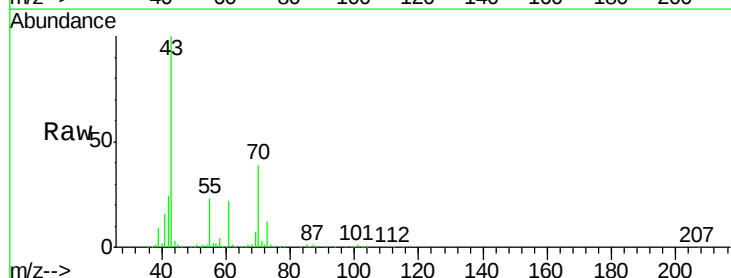
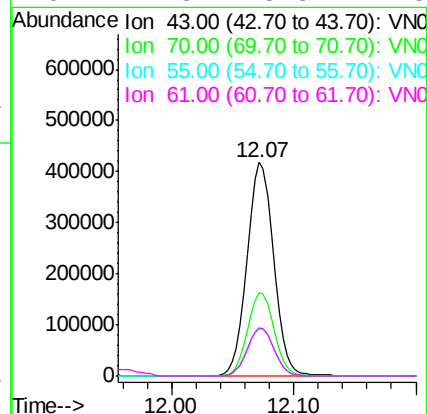
Ion Ratio Lower Upper

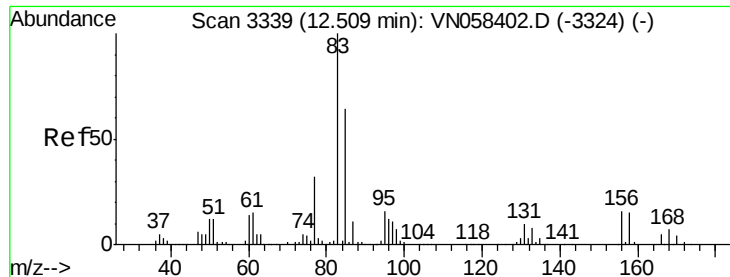
43 100

70 39.1 31.4 47.2

55 23.2 18.2 27.4

61 22.8 18.3 27.5





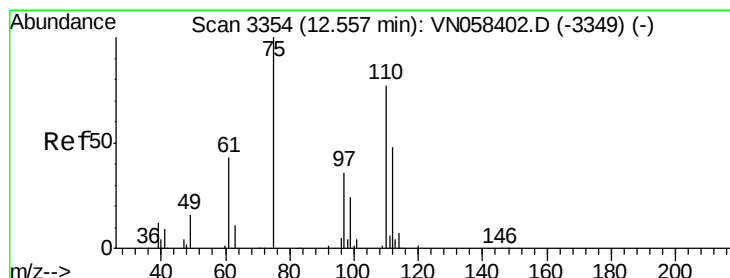
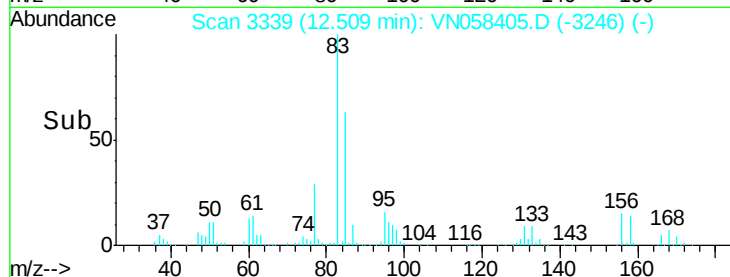
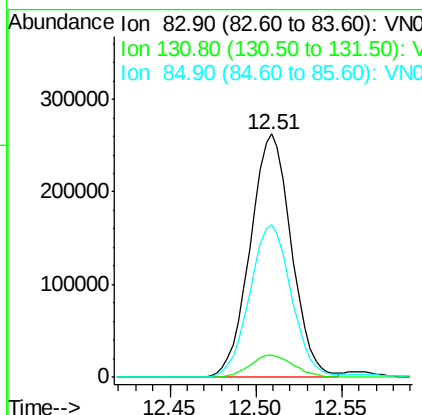
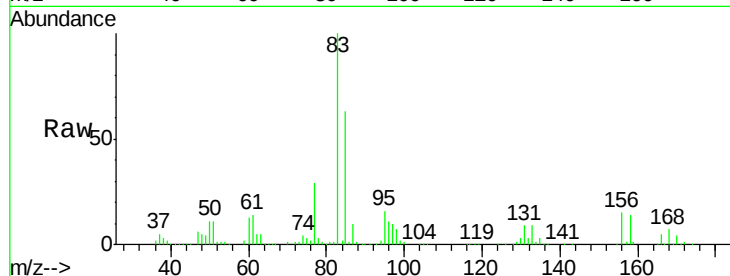
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.511 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.7	4.9	14.7	
85	63.5	32.0	96.0	

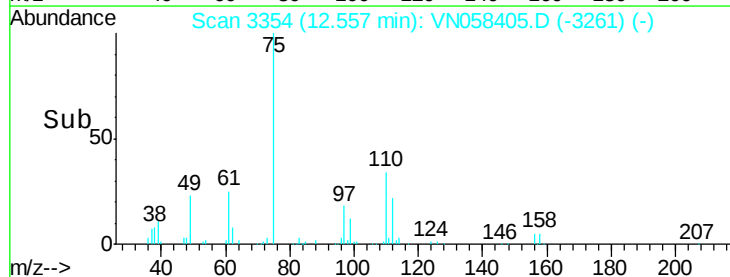
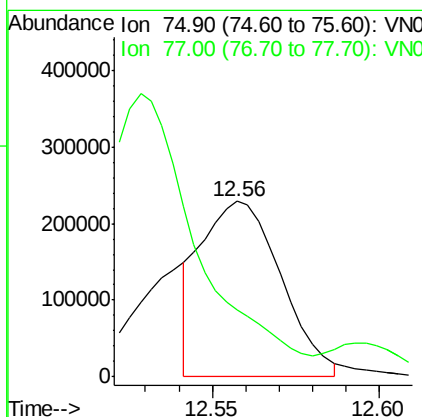
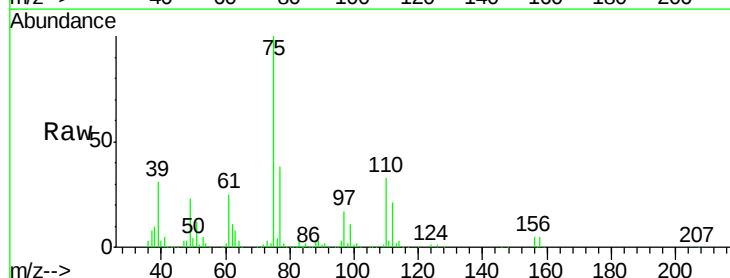
Manual Integrations
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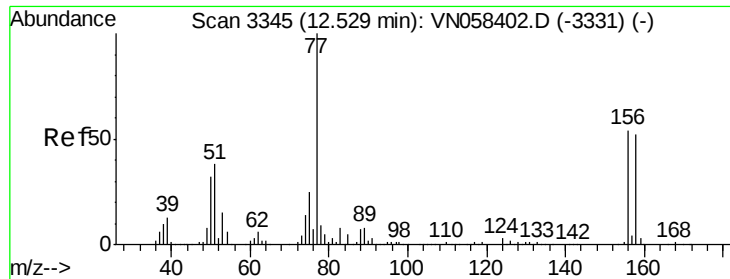
MMDadoda
 9/30/2019 10:18:47 AM



#76
 1,2,3-Trichloropropane
 Concen: 52.850 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 49.259 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

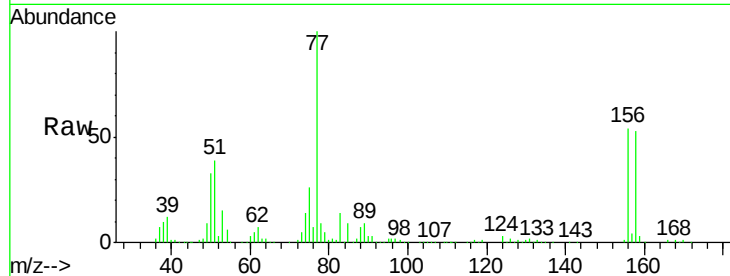
ClientSampleId :

ICVVN092719

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.2	110.0	330.0
158	96.9	47.9	143.8

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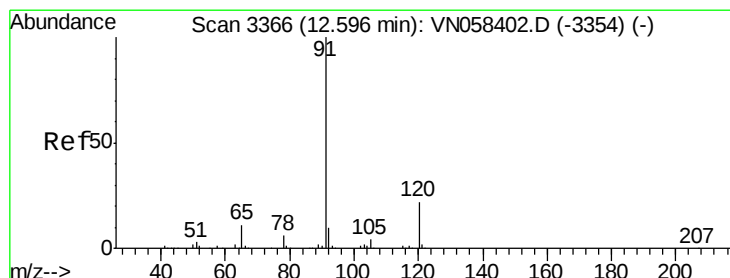
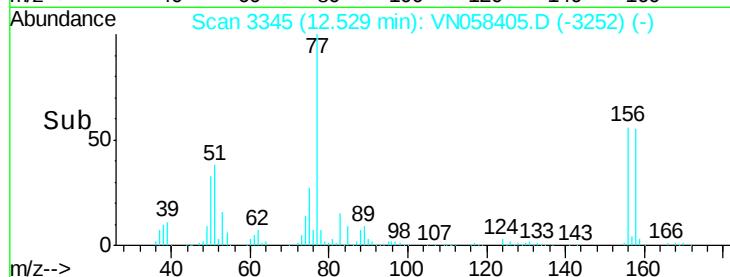
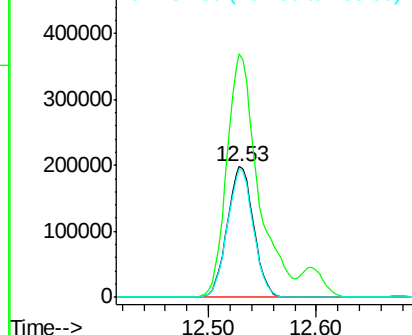


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.516 ug/l

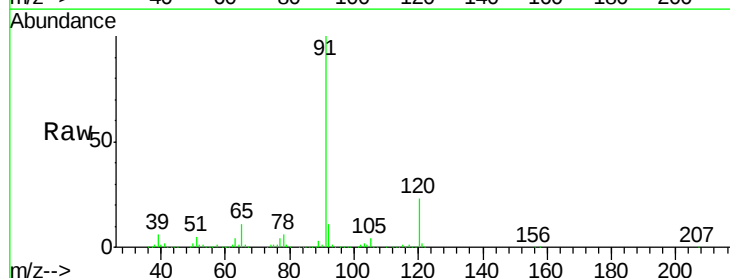
RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

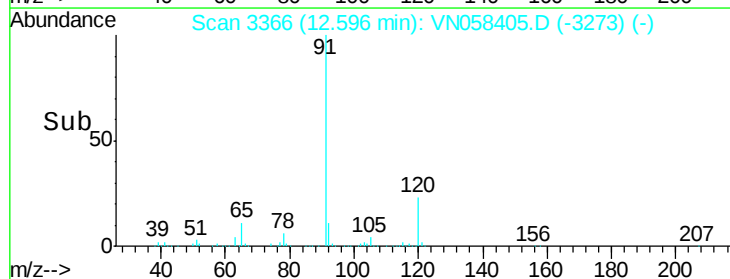
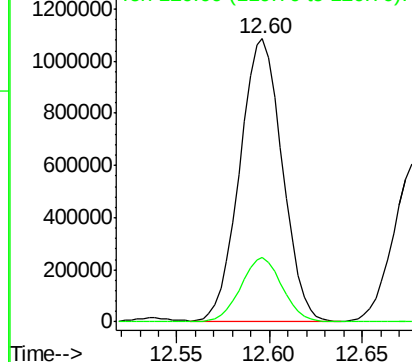
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.9	32.9

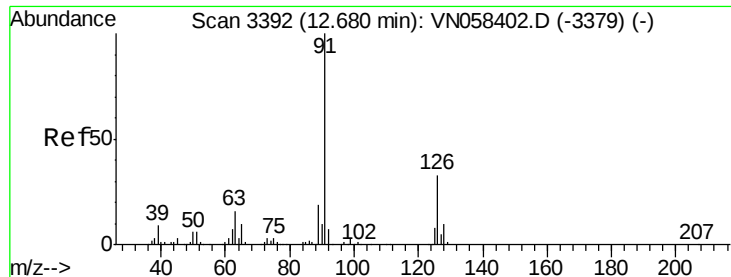


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.187 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion: 91 Resp: 1016100

Ion Ratio Lower Upper

91 100

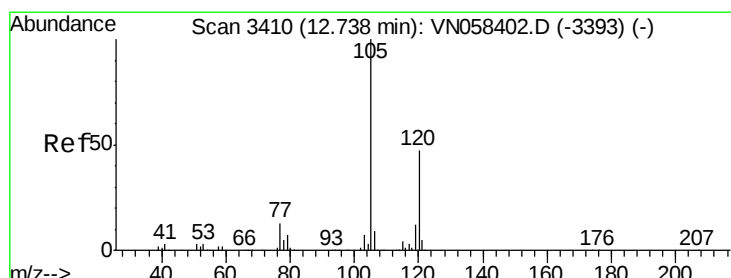
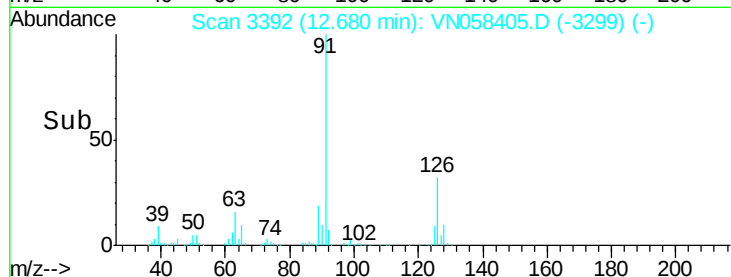
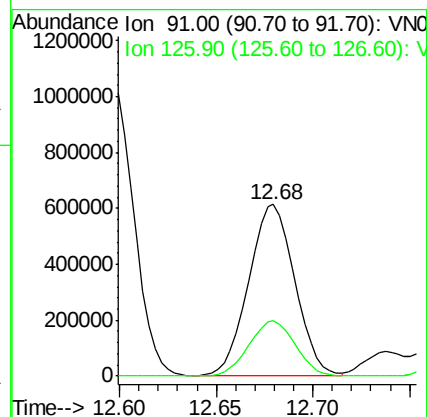
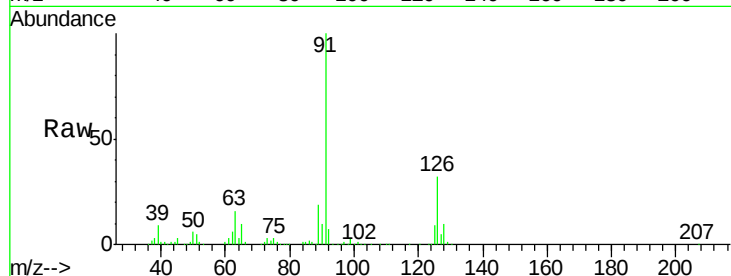
126 32.6 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 51.414 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058405.D

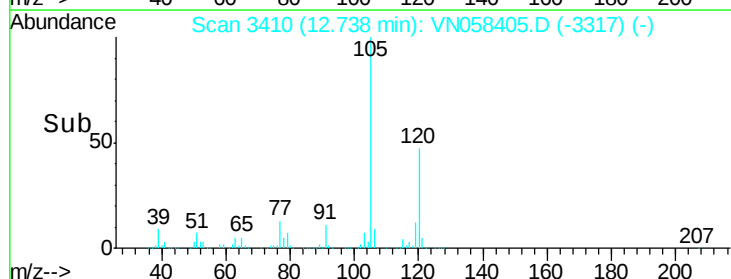
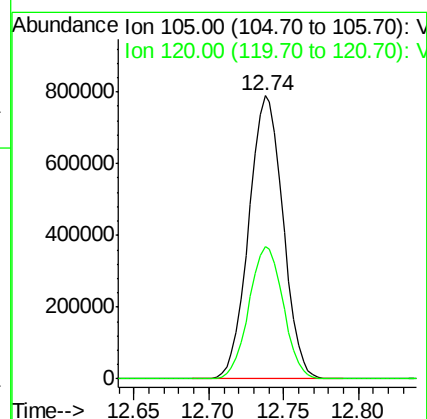
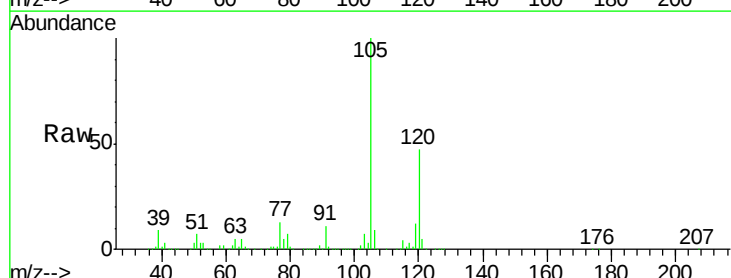
Acq: 27 Sep 2019 13:55

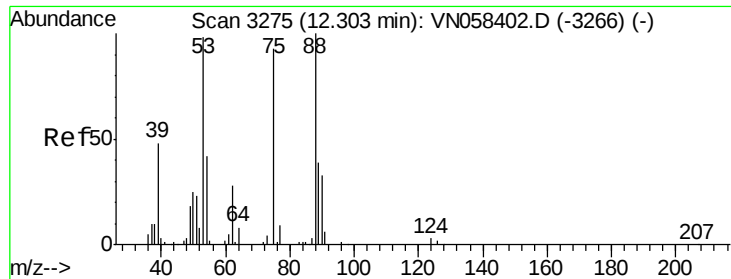
Tgt Ion: 105 Resp: 1253079

Ion Ratio Lower Upper

105 100

120 47.0 23.5 70.6





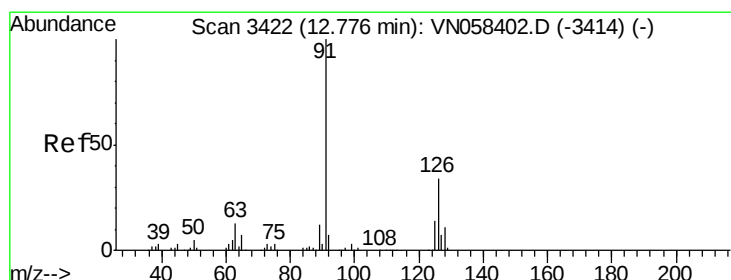
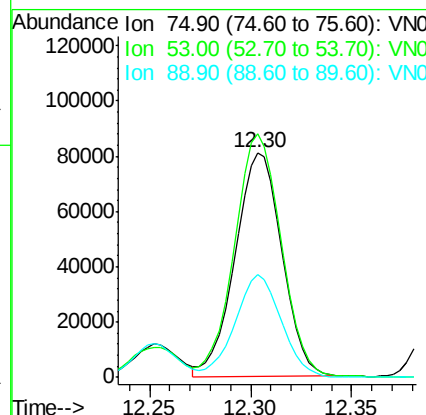
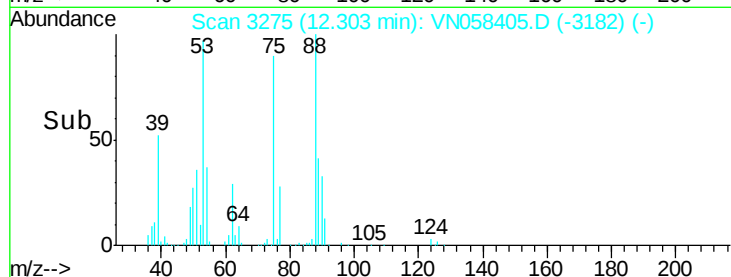
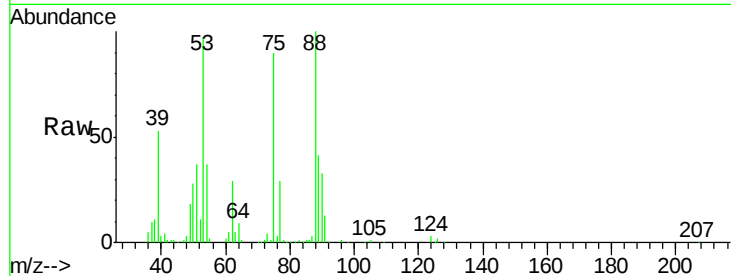
#81
trans-1,4-Dichloro-2-butene
Concen: 55.674 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092719

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.3	85.4	128.0
89	45.1	35.0	52.4

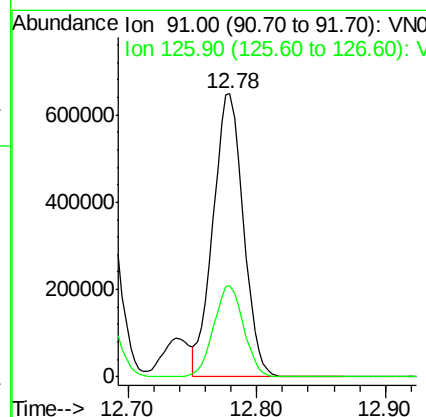
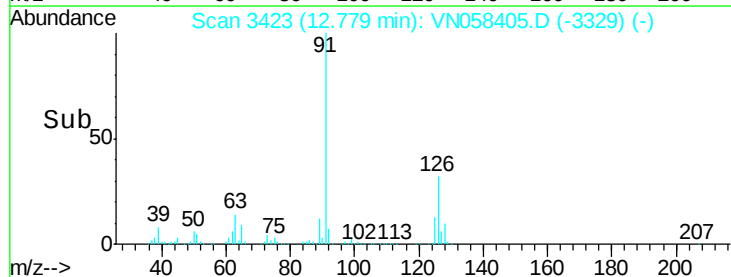
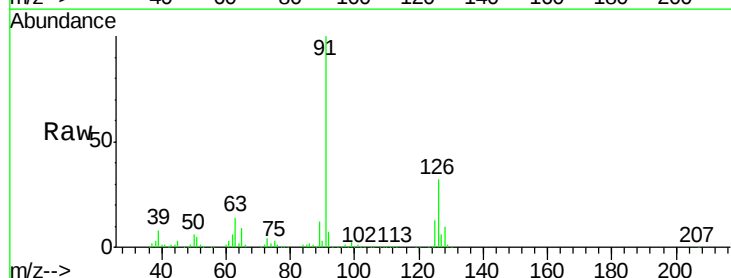
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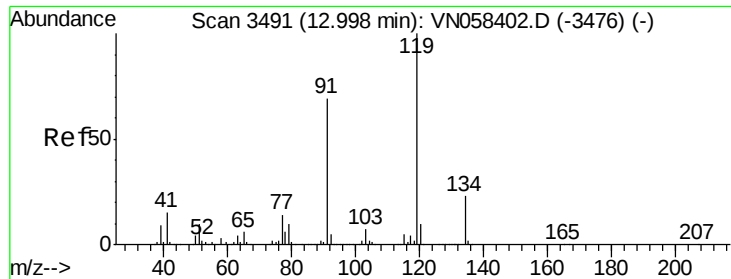
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.110 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.7





#83

tert-Butylbenzene

Concen: 51.265 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion:119 Resp: 1054323

Ion Ratio Lower Upper

119 100

91 67.8 34.2 102.6

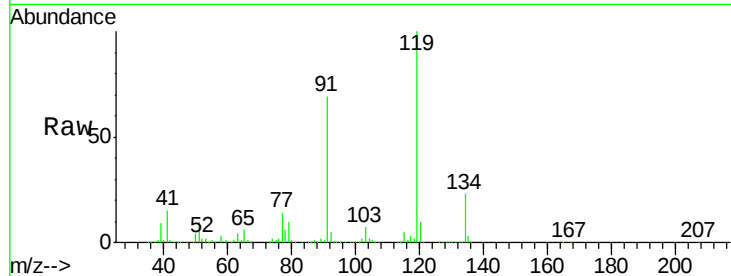
134 23.4 11.6 34.8

Manual Integrations

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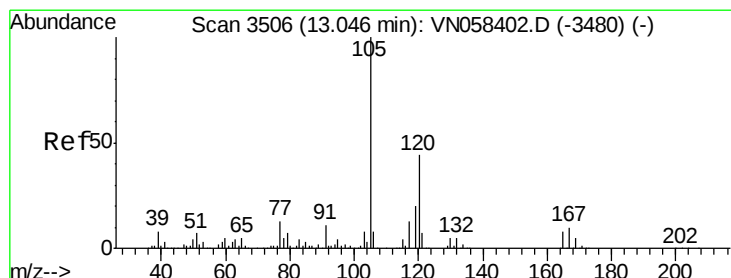
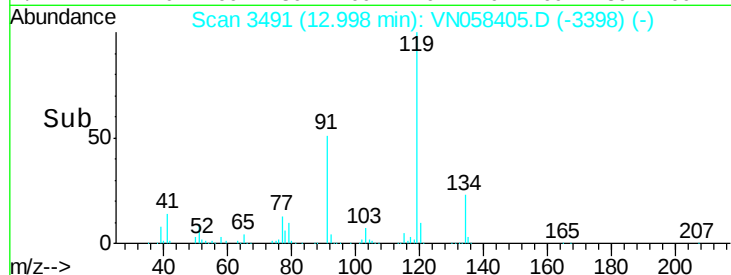
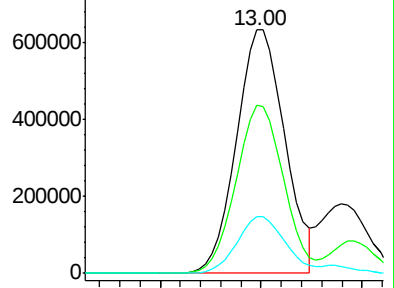
9/30/2019 10:18:47 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.876 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058405.D

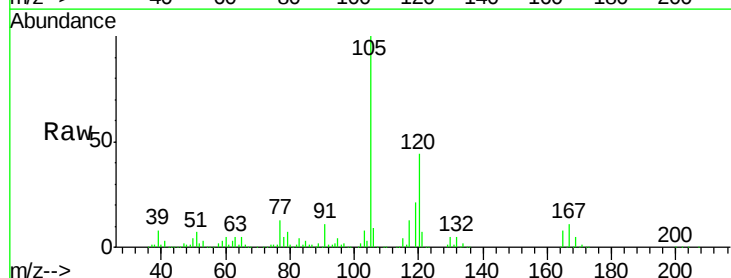
Acq: 27 Sep 2019 13:55

Tgt Ion:105 Resp: 1266768

Ion Ratio Lower Upper

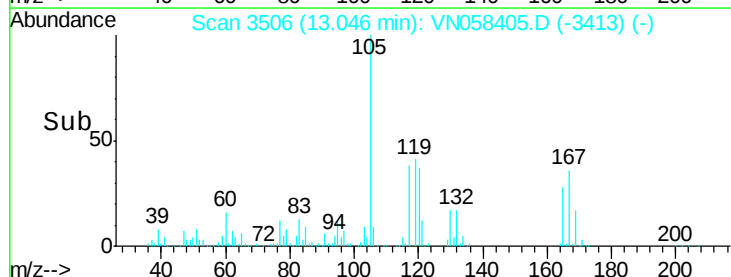
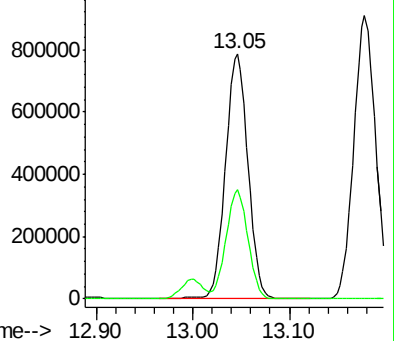
105 100

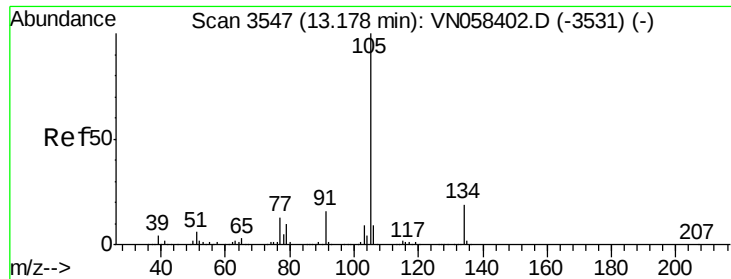
120 43.6 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.751 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion:105 Resp: 1427914

Ion Ratio Lower Upper

105 100

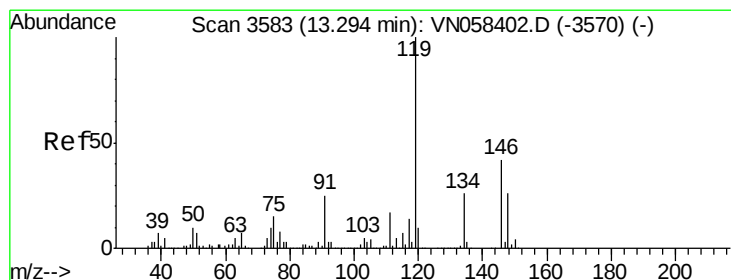
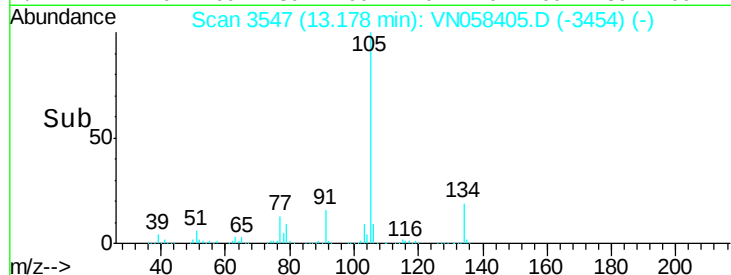
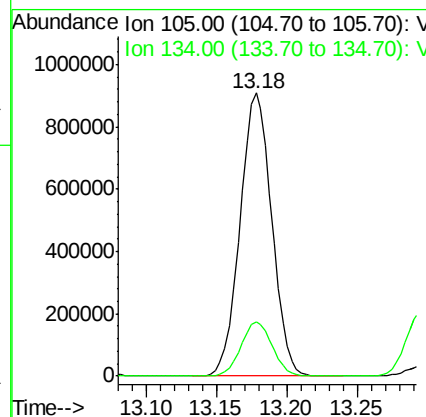
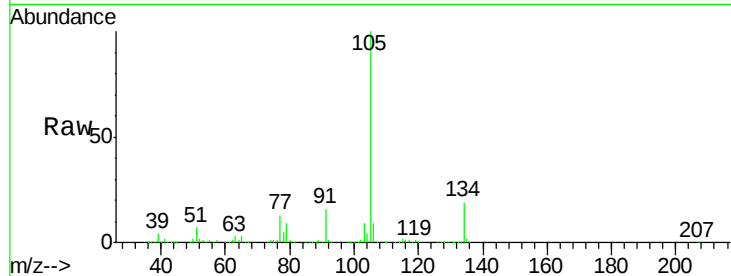
134 18.8 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 54.402 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

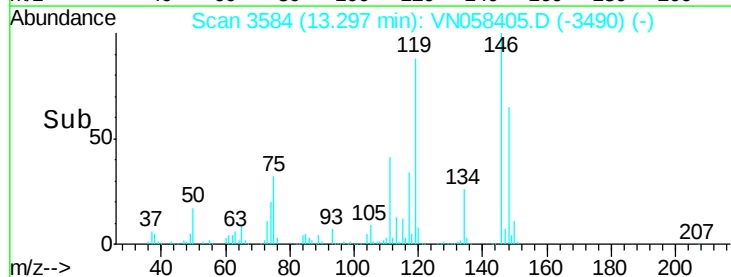
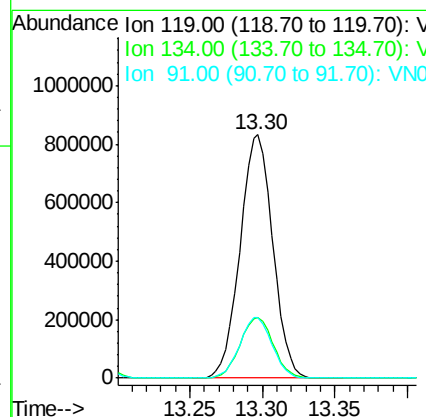
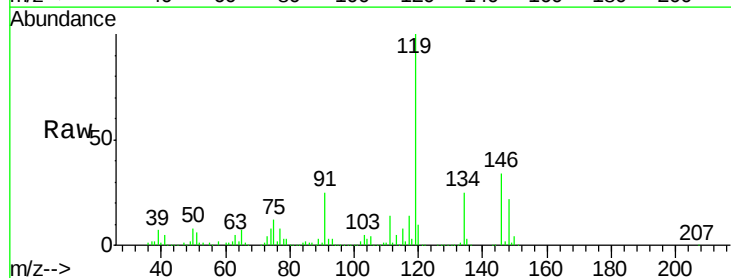
Tgt Ion:119 Resp: 1296245

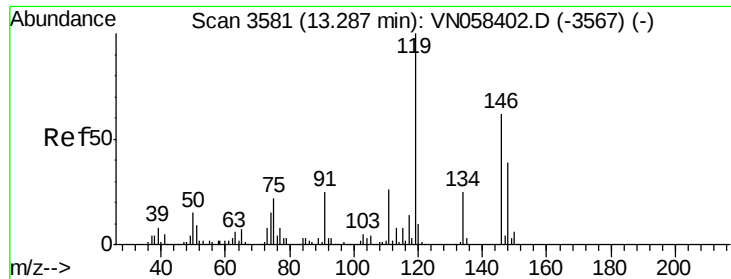
Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

91 24.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 50.286 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

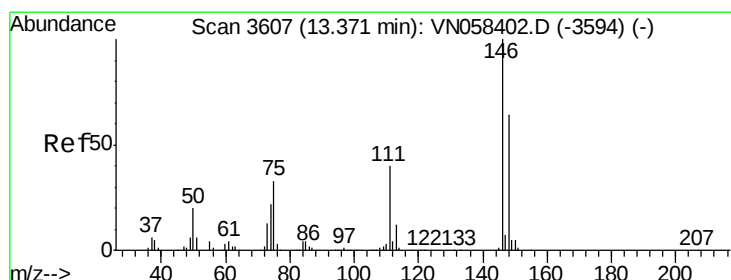
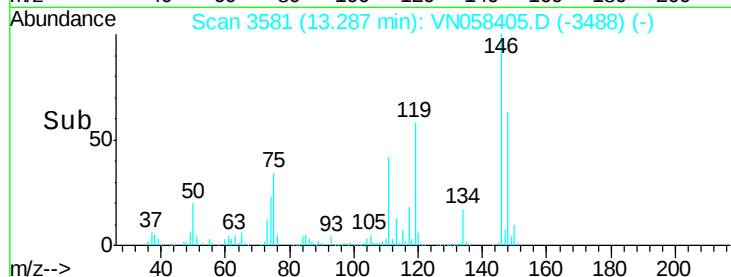
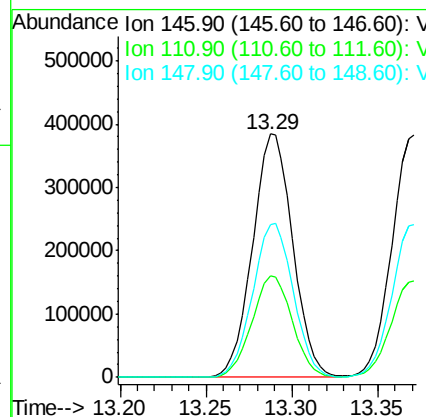
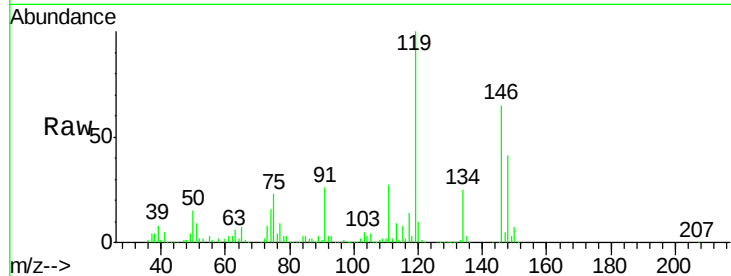
ClientSampleId :

ICVVN092719

Tot Ion:	146	Resp:	622499
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.8	62.4
148	63.9	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 50.567 ug/l

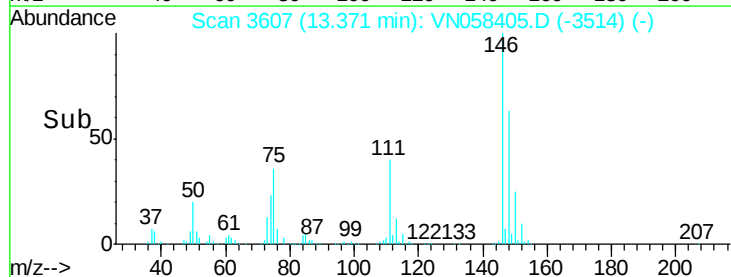
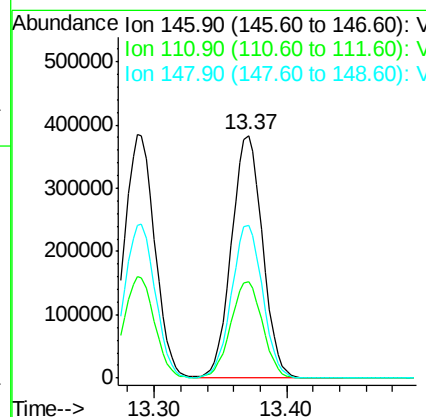
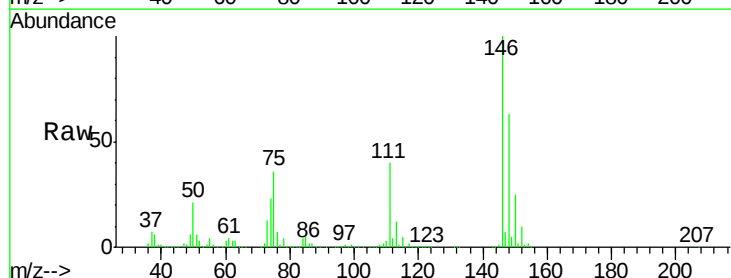
RT: 13.37 min Scan# 3607

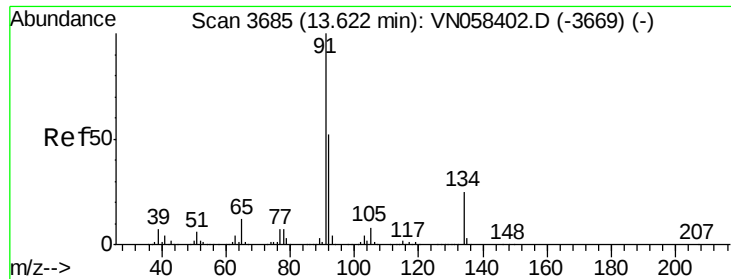
Delta R.T. -0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Tgt Ion:	146	Resp:	622802
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.5	61.6
148	63.1	31.5	94.5





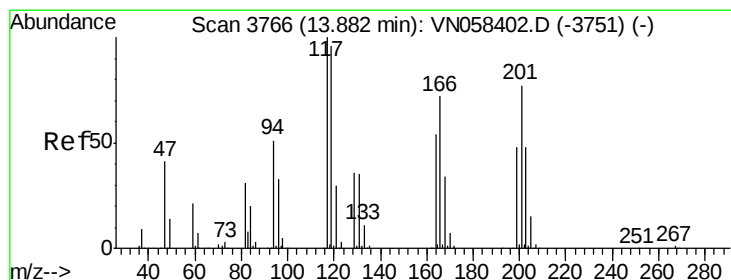
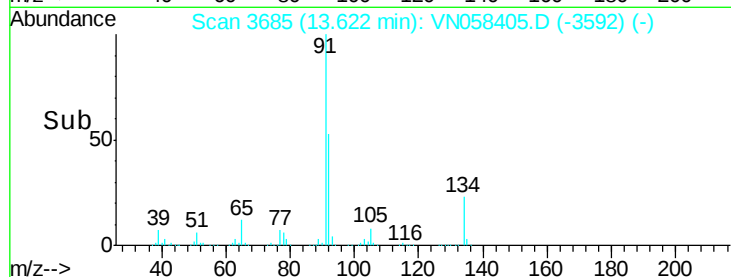
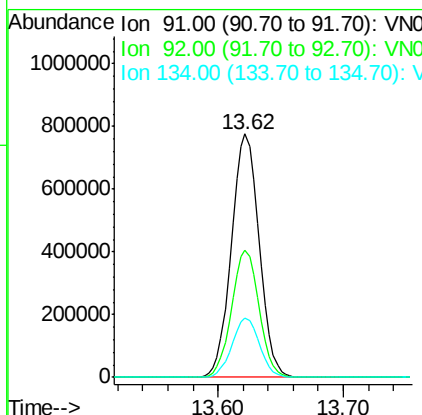
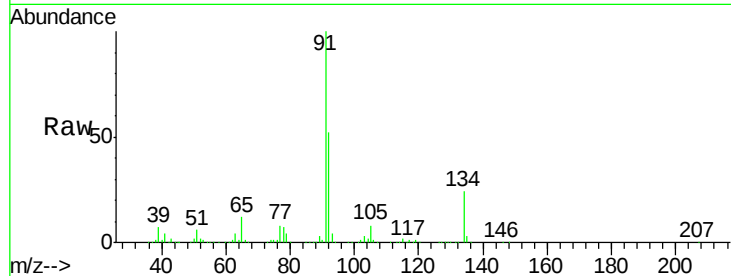
#89
n-Butylbenzene
Concen: 55.169 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Instrument :
MSVOA_N
ClientSampled :
ICVVN092719

Tot Ion: 91 Resp: 1190750
Ion Ratio Lower Upper
91 100
92 51.7 25.7 77.1
134 24.1 12.2 36.6

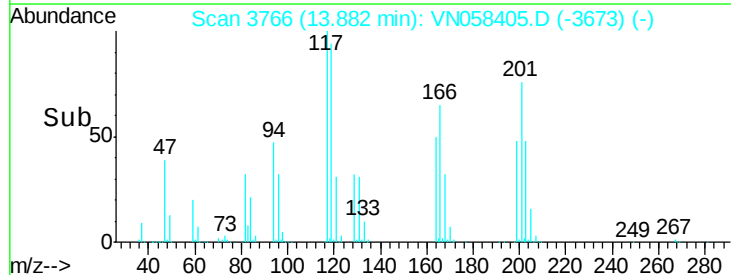
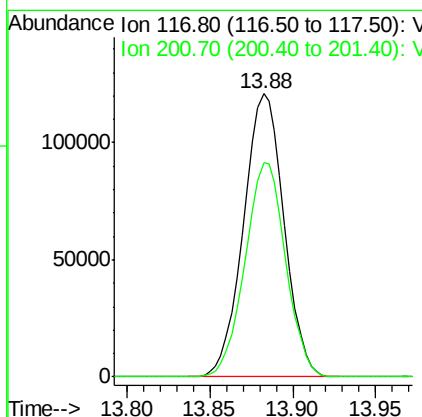
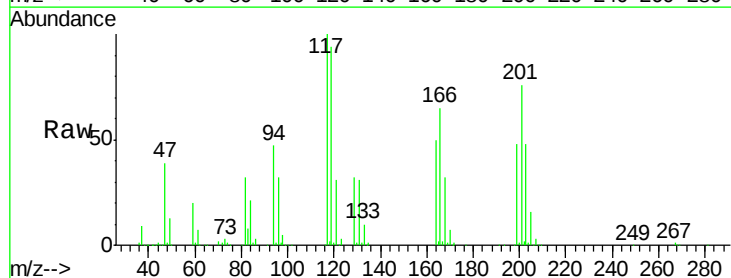
Manual Integrations
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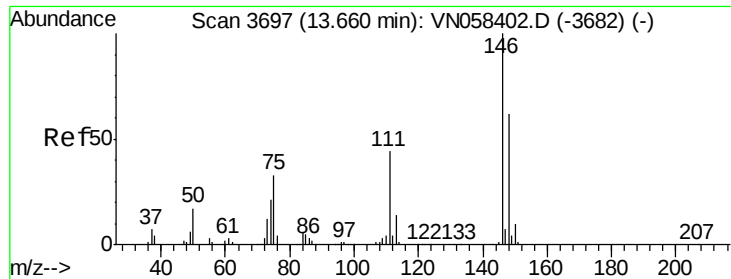
MMDadoda
9/30/2019 10:18:47 AM



#90
Hexachloroethane
Concen: 57.413 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058405.D
Acq: 27 Sep 2019 13:55

Tgt Ion: 117 Resp: 205539
Ion Ratio Lower Upper
117 100
201 75.8 38.6 116.0





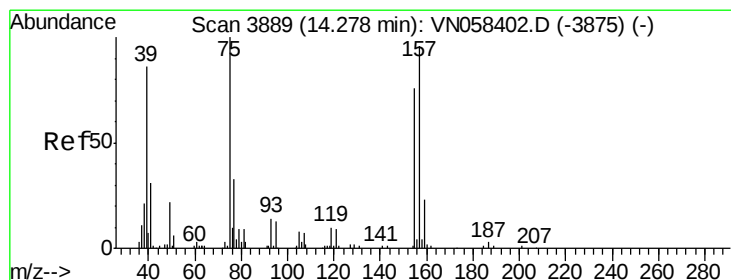
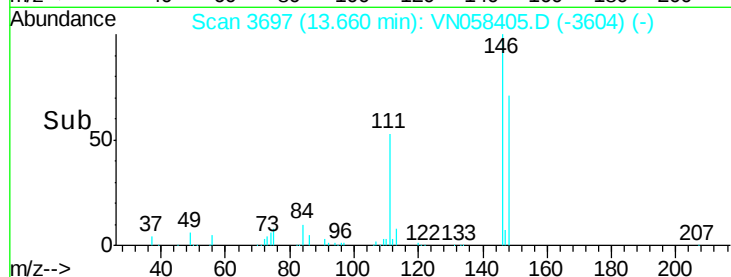
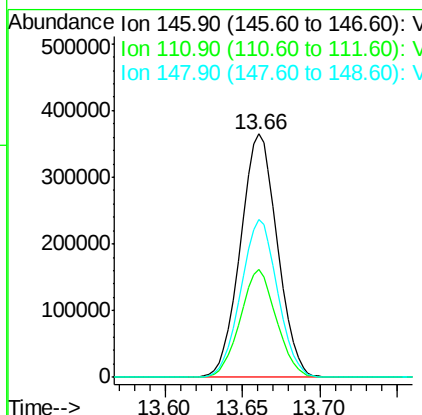
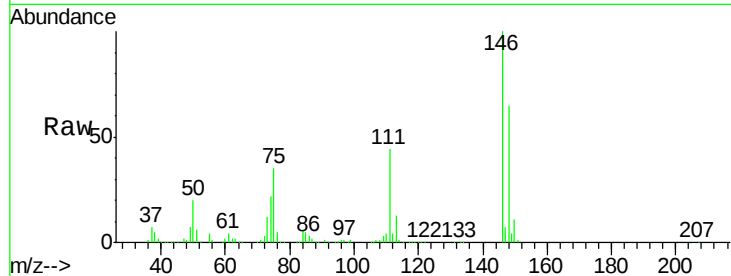
#91
 1,2-Dichlorobenzene
 Concen: 50.907 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	43.4	21.8	65.3
148	64.5	31.5	94.5

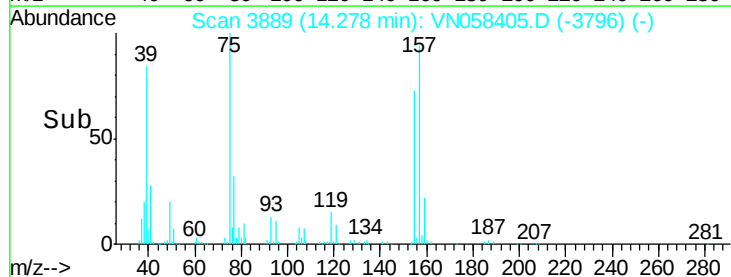
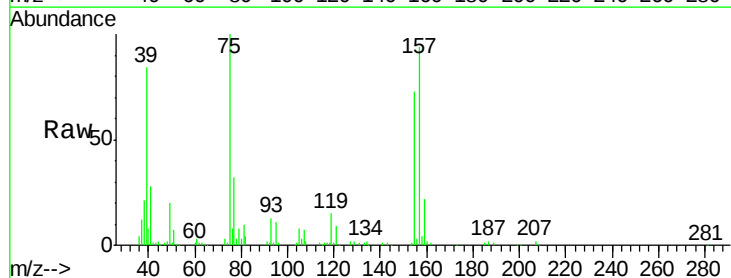
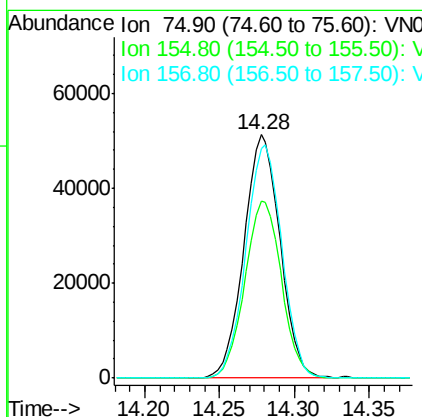
Manual Integrations
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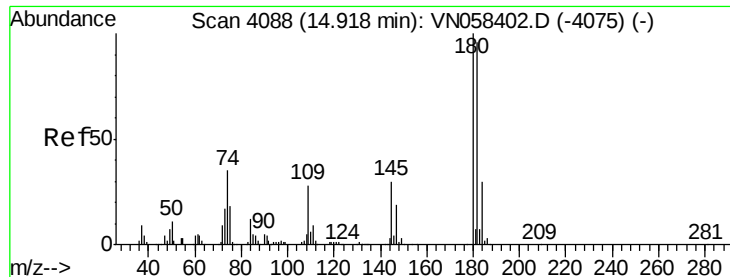
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 9/30/2019 10:18:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.947 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
155	73.7	39.2	117.6
157	95.1	48.7	146.1





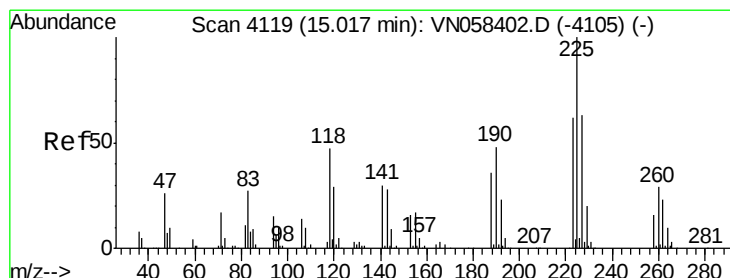
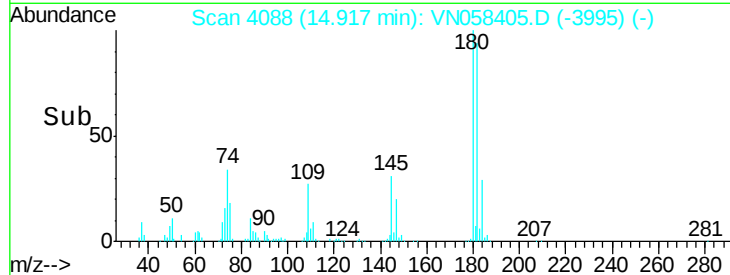
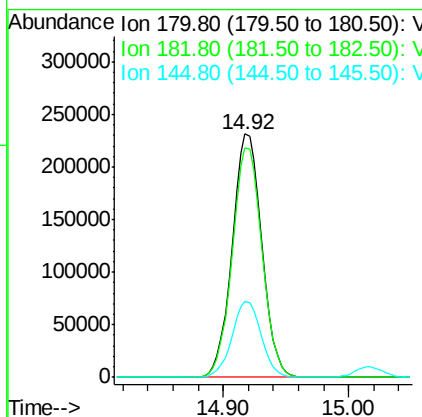
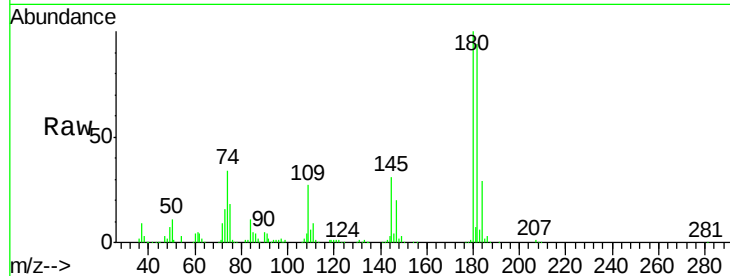
#93
 1,2,4-Trichlorobenzene
 Concen: 57.484 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092719

Tot Ion	Ratio	Resp	Lower	Upper
180	100	377823		
182	95.0	47.4	142.3	
145	31.0	15.3	45.9	

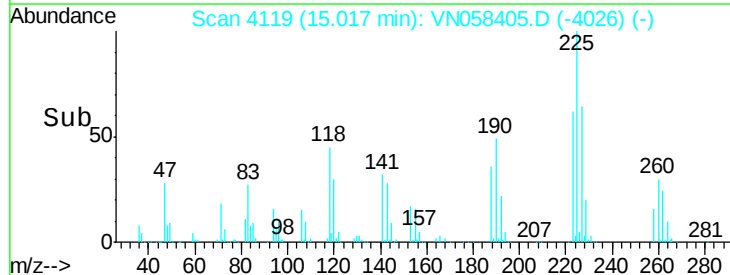
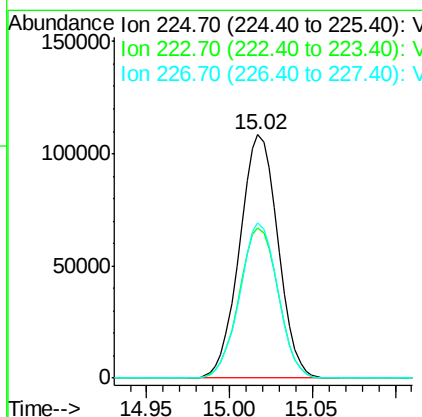
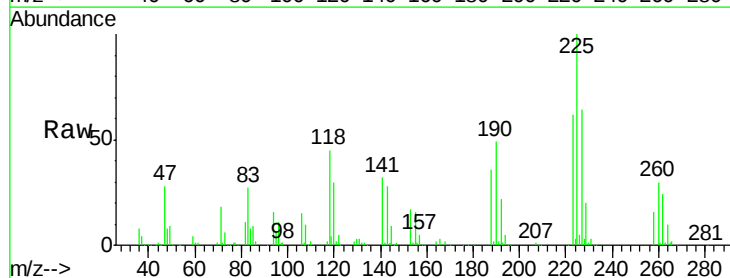
Manual Integrations
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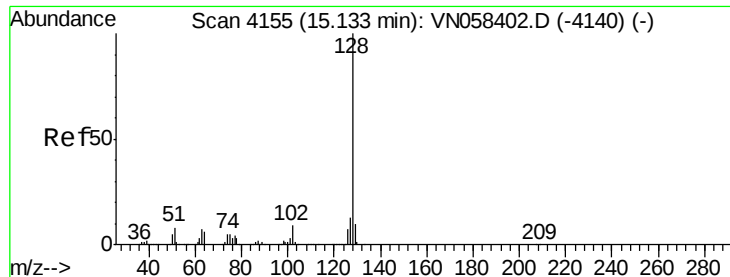
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#94
 Hexachlorobutadiene
 Concen: 51.704 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058405.D
 Acq: 27 Sep 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174670		
223	62.9	31.1	93.5	
227	63.1	31.4	94.2	





#95

Naphthalene

Concen: 55.141 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092719

Tot Ion:128 Resp: 1061312

Ion Ratio Lower Upper

128 100

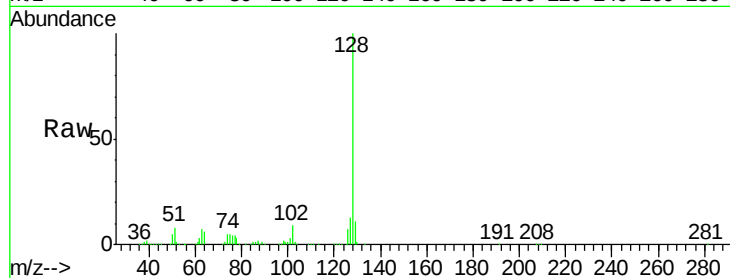
127 12.7 10.2 15.4

129 10.7 8.3 12.5

Manual Integrations
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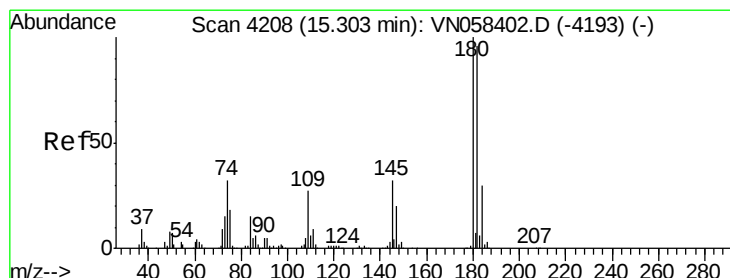
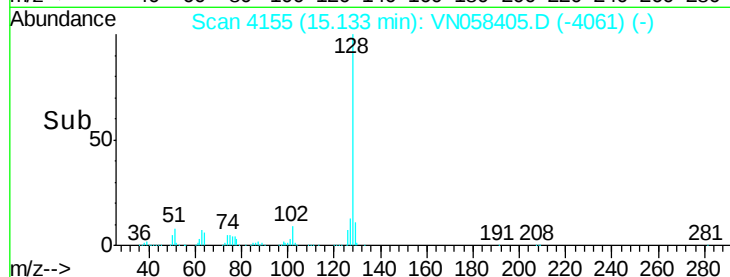
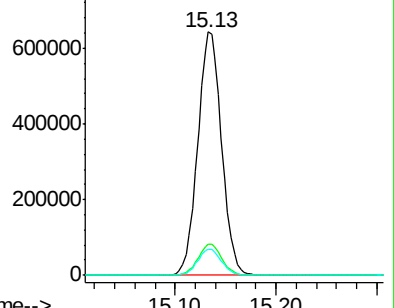
9/30/2019 10:18:47 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.161 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058405.D

Acq: 27 Sep 2019 13:55

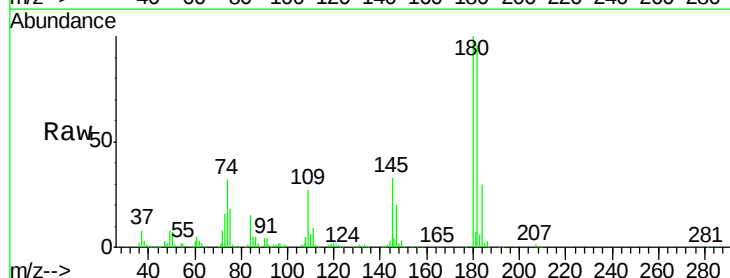
Tgt Ion:180 Resp: 356882

Ion Ratio Lower Upper

180 100

182 95.7 48.3 144.9

145 32.7 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

