

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058841.D
 Acq On : 17 Oct 2019 20:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 3:25:45 PM

Quant Time: Oct 18 04:57:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	350433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	566507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	269787	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
35) Dibromofluoromethane	7.57	113	196053	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	
50) Toluene-d8	10.08	98	743008	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.40	95	281107	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	227682	52.167	ug/l	99
3) Chloromethane	2.04	50	259325	49.968	ug/l	100
4) Vinyl Chloride	2.17	62	268789	52.000	ug/l	99
5) Bromomethane	2.54	94	162058	51.538	ug/l	98
6) Chloroethane	2.68	64	170426	53.454	ug/l	99
7) Trichlorofluoromethane	3.00	101	333640	53.933	ug/l	100
8) Diethyl Ether	3.39	74	120465	52.705	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	193744	54.928	ug/l	96
10) Methyl Iodide	3.93	142	251093	52.166	ug/l	98
11) Tert butyl alcohol	4.75	59	213884	269.194	ug/l	99
12) 1,1-Dichloroethene	3.72	96	179348	53.292	ug/l	95
13) Acrolein	3.58	56	92850	145.303	ug/l	99
14) Allyl chloride	4.30	41	368309	54.230	ug/l	98
15) Acrylonitrile	4.96	53	591128	295.019	ug/l	98
16) Acetone	3.79	43	560954	276.188	ug/l	99
17) Carbon Disulfide	4.03	76	517011	48.060	ug/l	100
18) Methyl Acetate	4.30	43	316408	61.415	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	681693	56.726	ug/l	96
20) Methylene Chloride	4.53	84	221530	52.188	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	198623	52.763	ug/l	98
22) Diisopropyl ether	5.93	45	767900	58.152	ug/l	99
23) Vinyl Acetate	5.87	43	3240420	304.114	ug/l	100
24) 1,1-Dichloroethane	5.82	63	420773	55.948	ug/l	99
25) 2-Butanone	6.81	43	844786	287.765	ug/l	100
26) 2,2-Dichloropropane	6.80	77	337799	49.204	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	231991	52.848	ug/l	100
28) Bromochloromethane	7.18	49	145118	55.464	ug/l	98
29) Tetrahydrofuran	7.19	42	557015	293.609	ug/l	100
30) Chloroform	7.35	83	420506	55.651	ug/l	99
31) Cyclohexane	7.63	56	365824	50.837	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	363371	56.388	ug/l	99
36) 1,1-Dichloropropene	7.77	75	306537	53.518	ug/l	99
37) Ethyl Acetate	6.91	43	349142	60.273	ug/l	98
38) Carbon Tetrachloride	7.75	117	315414	56.502	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	344533	51.837	ug/l	97
40) Benzene	8.02	78	910883	55.372	ug/l	99
41) Methacrylonitrile	7.16	41	160249m	59.098	ug/l	
42) 1,2-Dichloroethane	8.11	62	355789	56.297	ug/l	100
43) Isopropyl Acetate	8.15	43	569200	57.681	ug/l	99
44) Trichloroethene	8.82	130	218413	53.466	ug/l	99
45) 1,2-Dichloropropane	9.11	63	255885	58.106	ug/l	99
46) Dibromomethane	9.20	93	160651	57.540	ug/l	98
47) Bromodichloromethane	9.39	83	334871	58.899	ug/l	99
48) Methyl methacrylate	9.19	41	264646	59.163	ug/l	99
49) 1,4-Dioxane	9.19	88	74965	1083.285	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1786182	322.296	ug/l	99
52) Toluene	10.15	92	555417	55.204	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	373290	57.245	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	391354	56.525	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	227322	55.202	ug/l	99
56) Ethyl methacrylate	10.43	69	358007	59.508	ug/l	99
57) 1,3-Dichloropropane	10.70	76	402548	57.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	806764	278.264	ug/l	99
59) 2-Hexanone	10.75	43	1339840	312.833	ug/l	99
60) Dibromochloromethane	10.90	129	249965	58.843	ug/l	100
61) 1,2-Dibromoethane	11.00	107	233826	56.677	ug/l	99
64) Tetrachloroethene	10.63	164	195798	52.658	ug/l	95
65) Chlorobenzene	11.43	112	595493	55.190	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	229530	57.529	ug/l	99
67) Ethyl Benzene	11.51	91	1095765	56.971	ug/l	100
68) m/p-Xylenes	11.62	106	810124	112.238	ug/l	99
69) o-Xylene	11.95	106	386165	55.297	ug/l	100
70) Styrene	11.97	104	652521	57.009	ug/l	99
71) Bromoform	12.13	173	178994	61.205	ug/l	98
73) Isopropylbenzene	12.25	105	1071421	55.245	ug/l	99
74) N-amyl acetate	12.07	43	503981	57.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	362769	56.781	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	337248m	57.407	ug/l	
77) Bromobenzene	12.53	156	255091	54.076	ug/l	99
78) n-propylbenzene	12.59	91	1266591	56.046	ug/l	100
79) 2-Chlorotoluene	12.68	91	749967	53.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	919986	55.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	121794	55.535	ug/l	96
82) 4-Chlorotoluene	12.78	91	774653	53.819	ug/l	100
83) tert-Butylbenzene	13.00	119	778277	54.869	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	926528	56.368	ug/l	100
85) sec-Butylbenzene	13.18	105	1057722	56.592	ug/l	99
86) p-Isopropyltoluene	13.29	119	952196	56.055	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	462041	53.111	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	456555	51.616	ug/l	99
89) n-Butylbenzene	13.62	91	865173	55.082	ug/l	99
90) Hexachloroethane	13.88	117	176797	58.167	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	457753	53.987	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	79168	53.041	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	270452	52.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	140122	51.444	ug/l	99
95) Naphthalene	15.13	128	787970	53.009	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	258458	51.182	ug/l	100

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

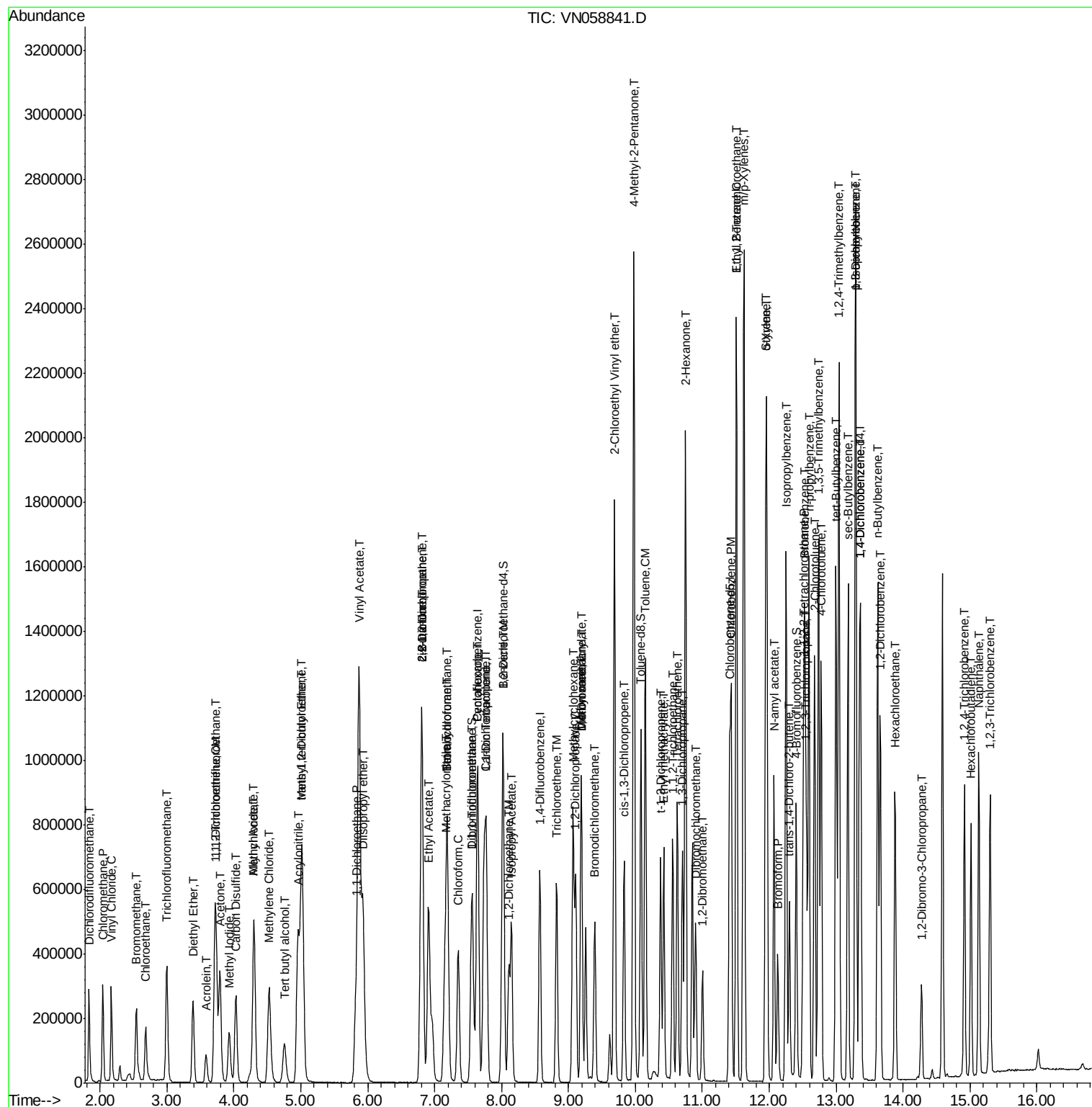
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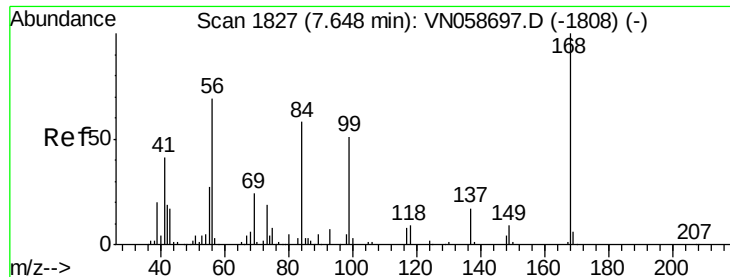
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 350433

Ion Ratio Lower Upper

168 100

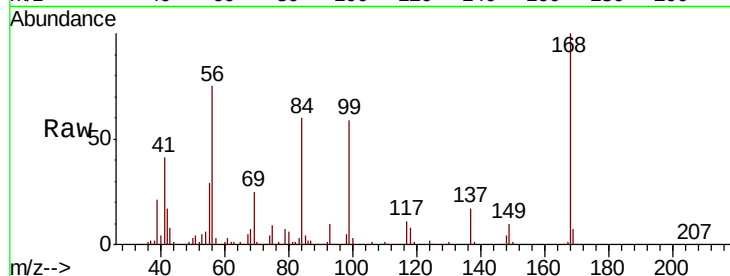
99 58.8 47.5 71.3

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

150000

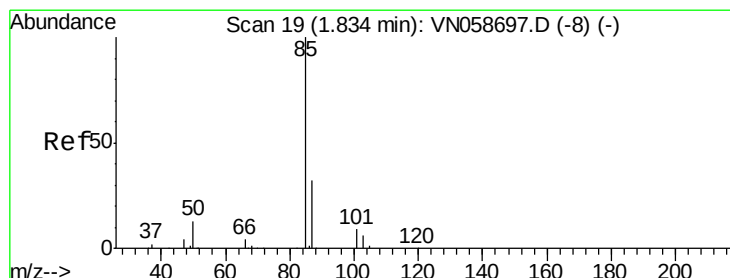
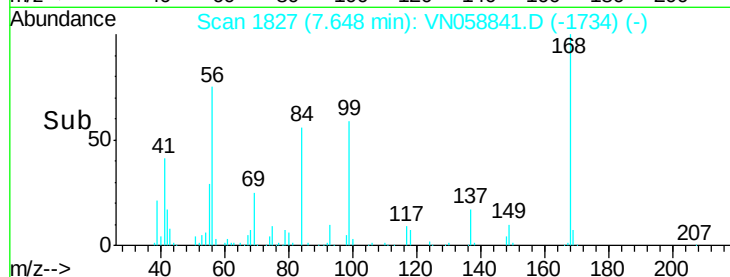
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.167 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058841.D

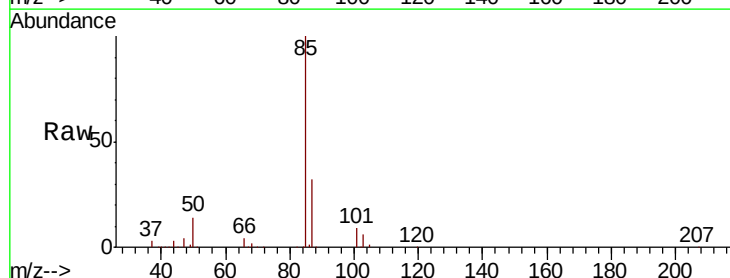
Acq: 17 Oct 2019 20:18

Tgt Ion: 85 Resp: 227682

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

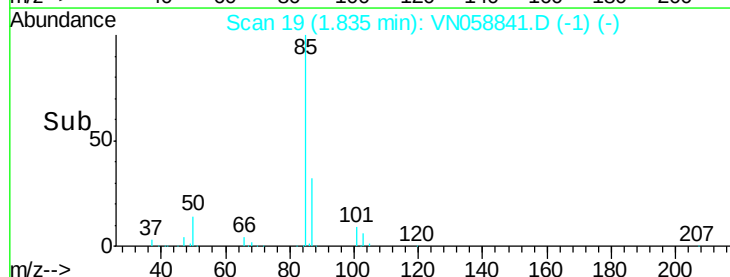
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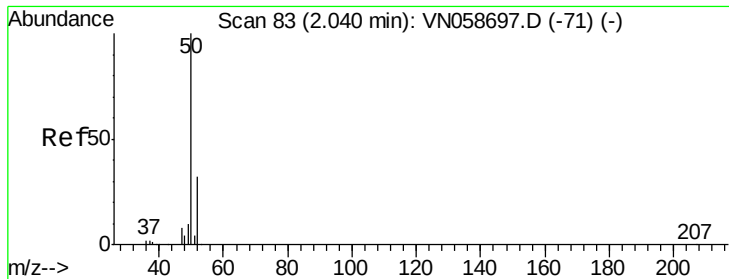
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 49.968 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 259325

Ion Ratio Lower Upper

50 100

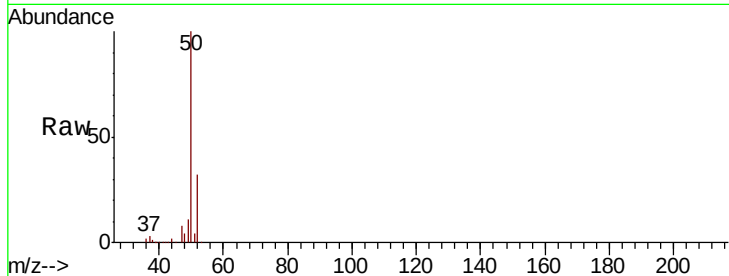
52 32.4 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN058697.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN058697.D (-71) (-)

2.04

200000

150000

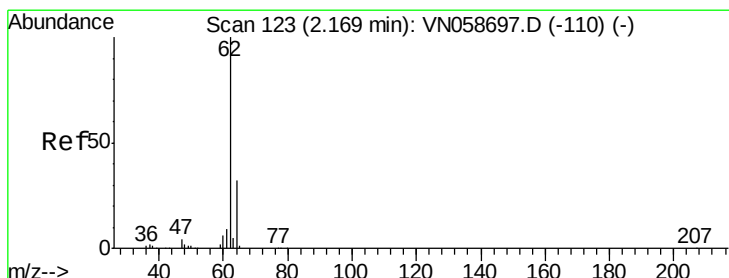
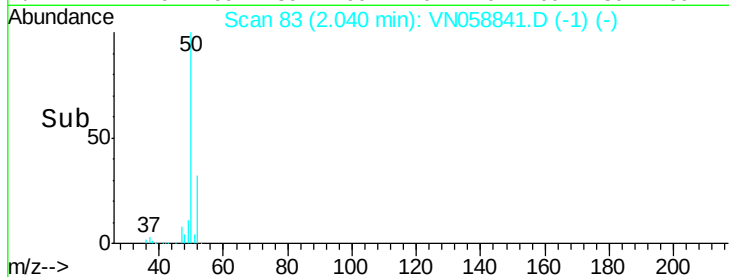
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 52.000 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058841.D

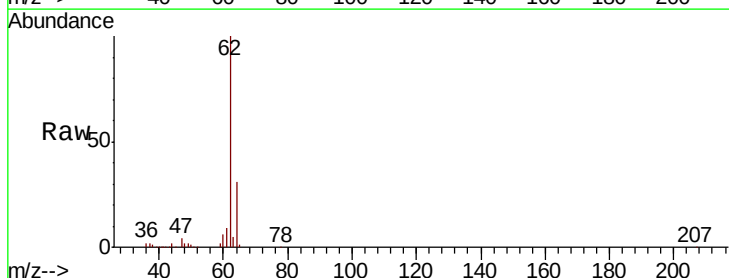
Acq: 17 Oct 2019 20:18

Tgt Ion: 62 Resp: 268789

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN058697.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN058697.D (-110) (-)

2.17

200000

150000

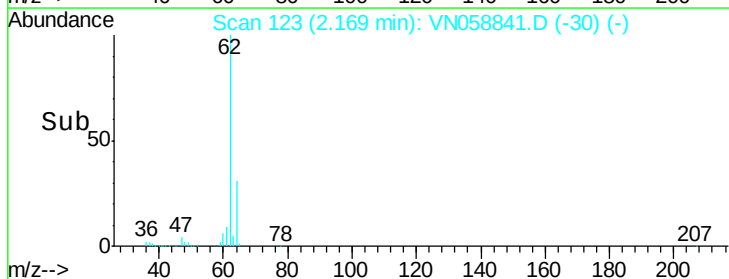
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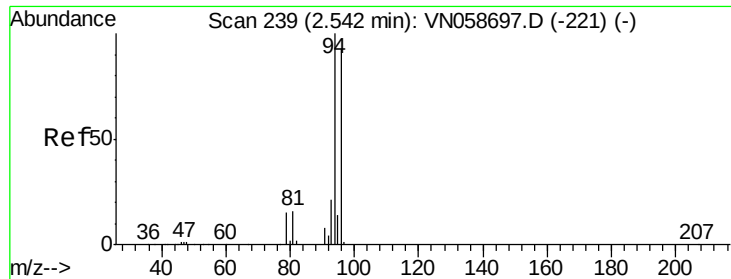
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 51.538 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 162058

Ion Ratio Lower Upper

94 100

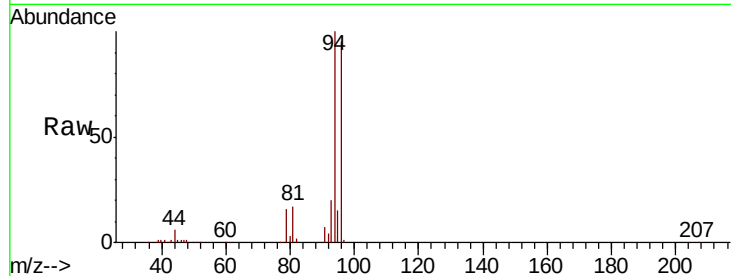
96 94.6 74.5 111.7

Manual Integrations

APPROVED

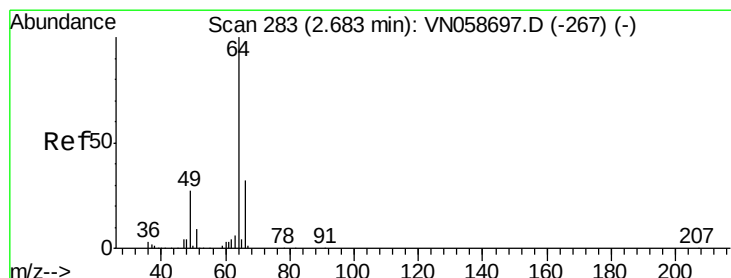
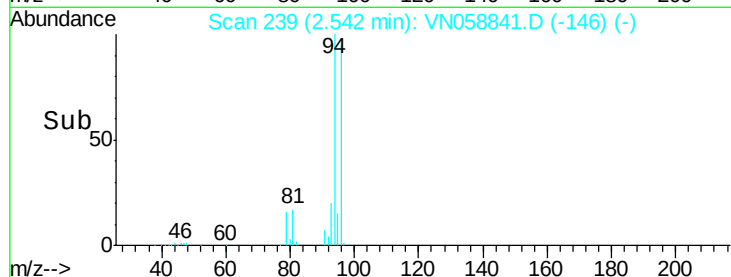
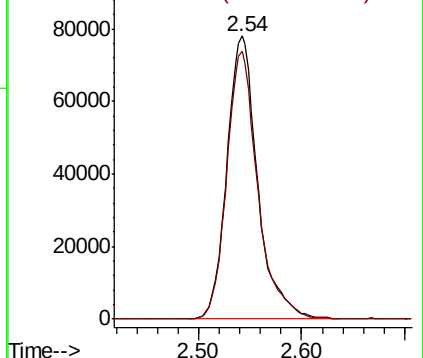
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10/18/2019 3:25:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.454 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058841.D

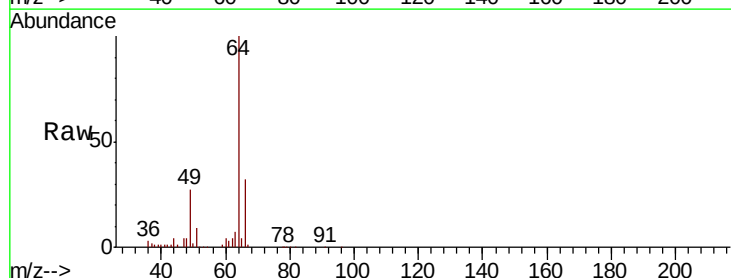
Acq: 17 Oct 2019 20:18

Tgt Ion: 64 Resp: 170426

Ion Ratio Lower Upper

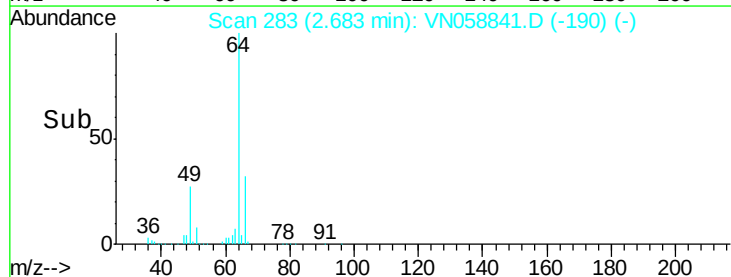
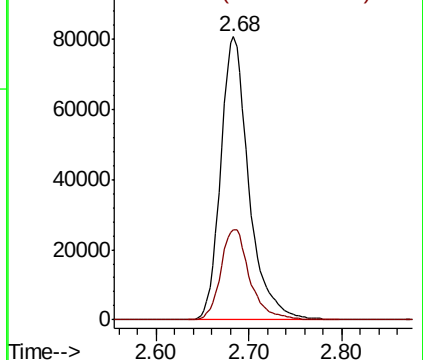
64 100

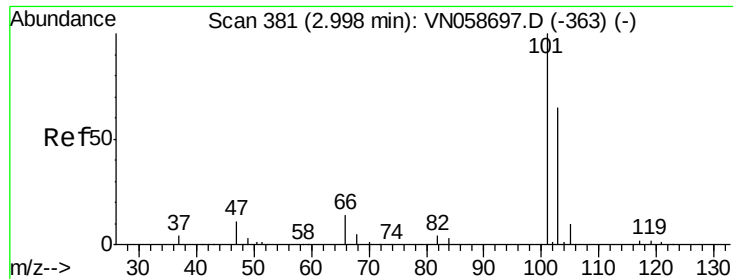
66 31.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

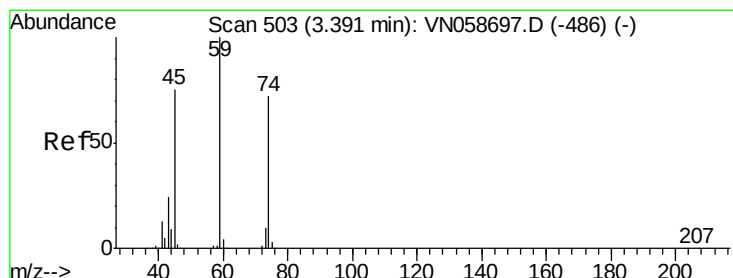
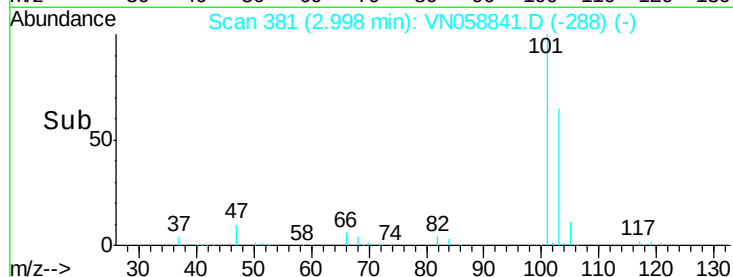
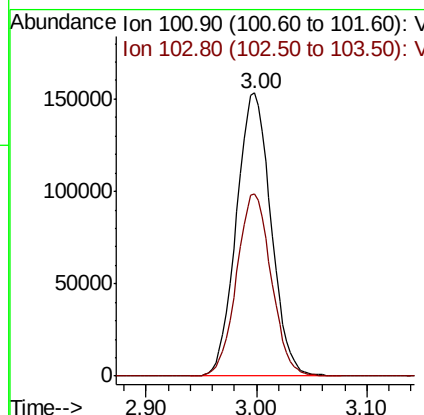
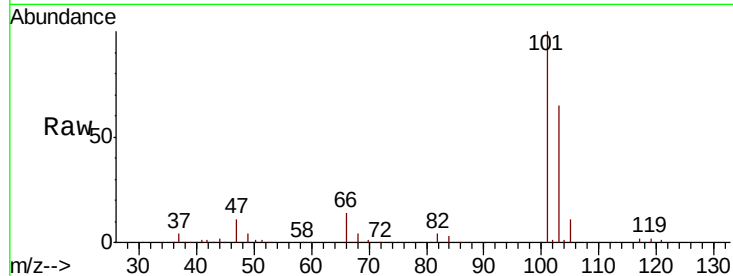
Trichlorofluoromethane
Concen: 53.933 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

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MSVOA_N
ClientSampleId :
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Tot Ion:101 Resp: 333640
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6

Manual Integrations
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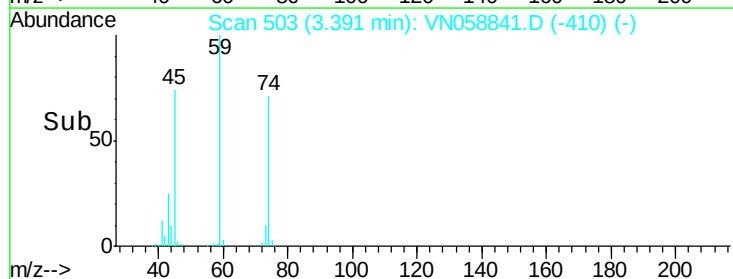
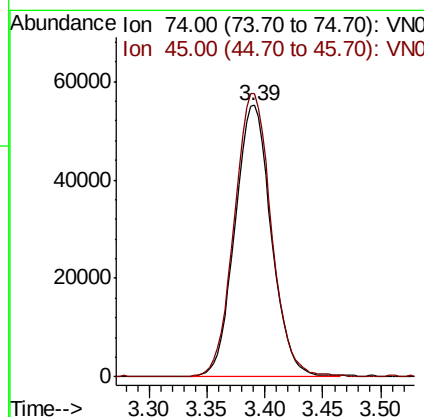
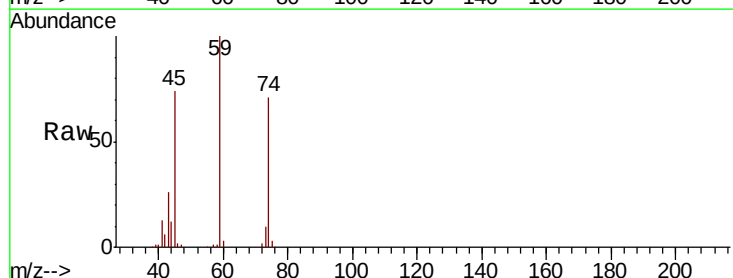
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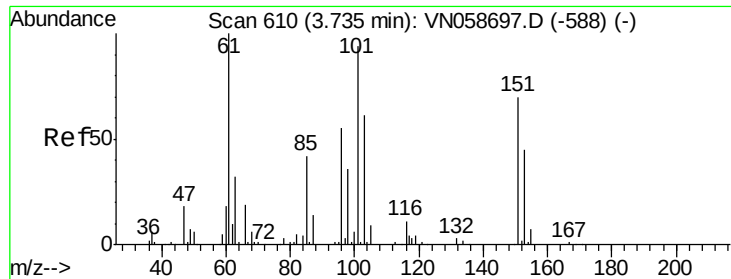


#8

Diethyl Ether
Concen: 52.705 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 74 Resp: 120465
Ion Ratio Lower Upper
74 100
45 106.5 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.928 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

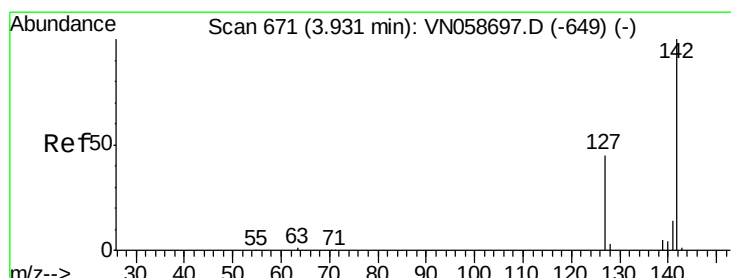
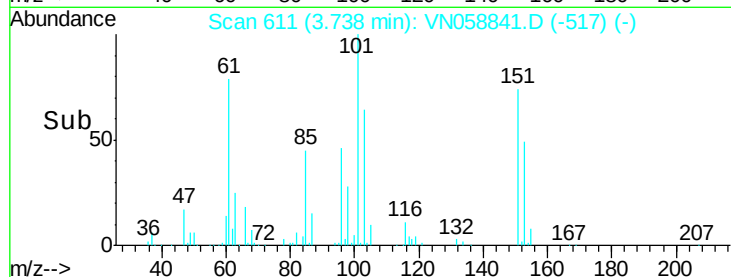
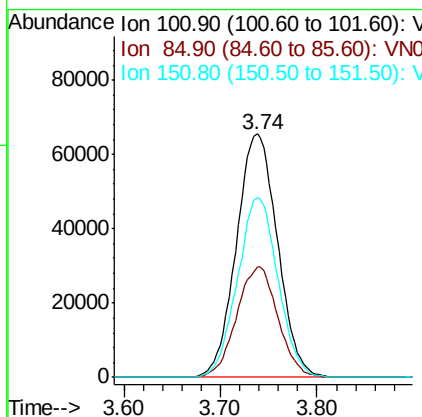
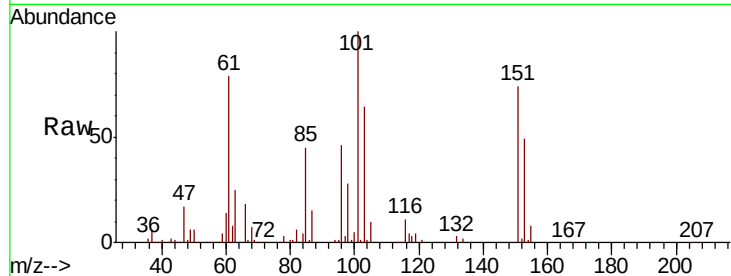
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	193744
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.0	55.6
151	72.9	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 52.166 ug/l

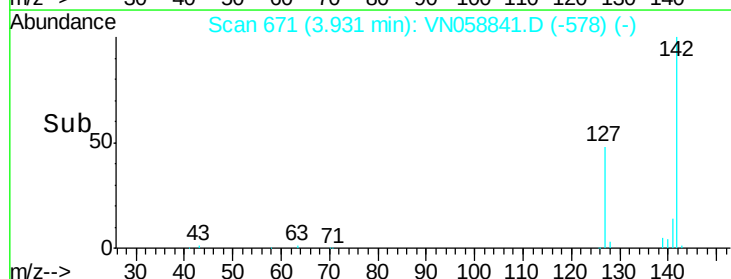
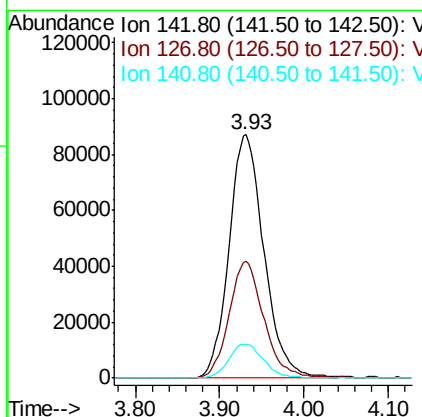
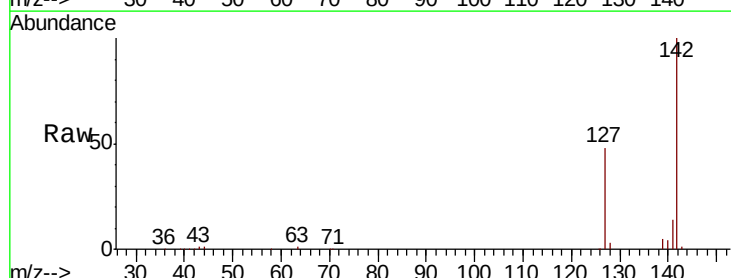
RT: 3.93 min Scan# 671

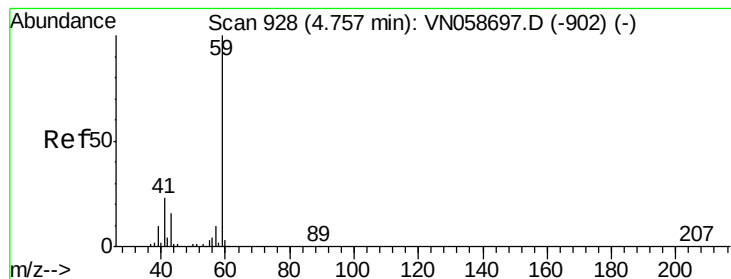
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	142	Resp:	251093
Ion Ratio	Lower	Upper	
142	100		
127	47.5	36.4	54.6
141	14.2	11.1	16.7





#11

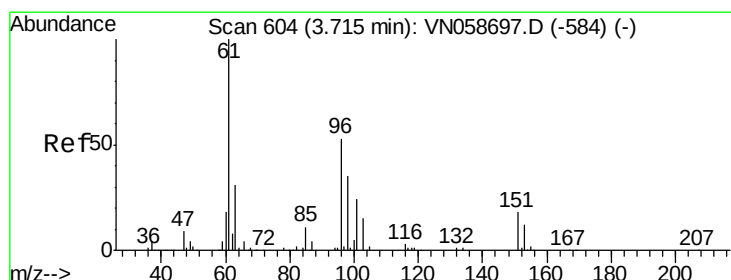
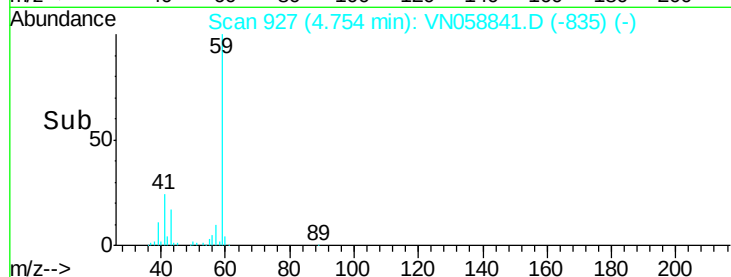
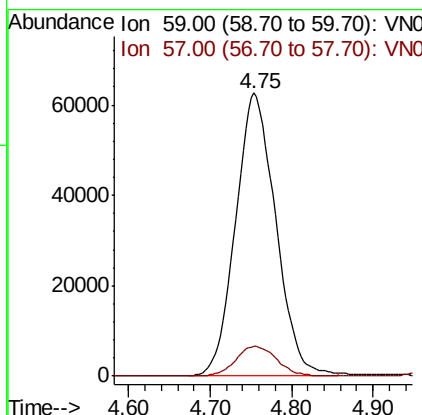
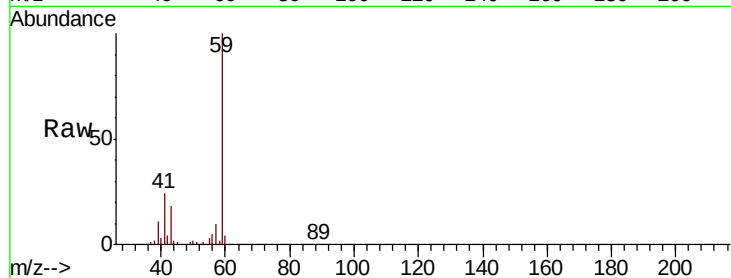
Tert butyl alcohol
 Concen: 269.194 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	213884
Ion Ratio	100	Lower	Upper
57	10.8	8.4	12.6

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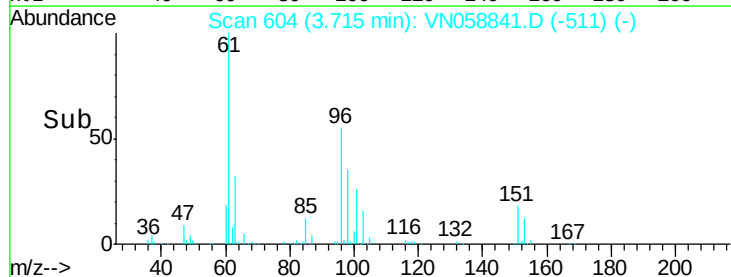
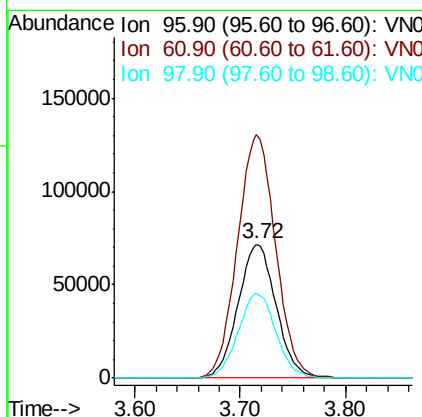
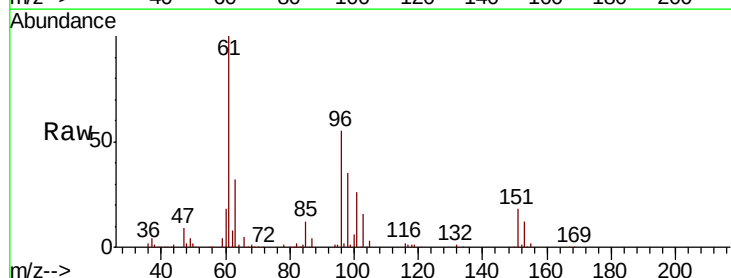
MMDadoda
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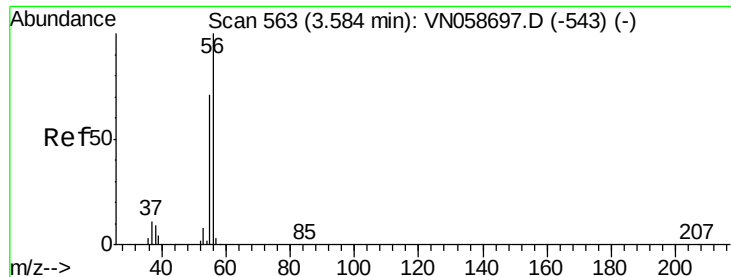


#12

1,1-Dichloroethene
 Concen: 53.292 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	96	Resp	179348
Ion Ratio	100	Lower	Upper
61	181.6	151.3	226.9
98	63.2	52.6	78.8





#13

Acrolein

Concen: 145.303 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 92850

Ion Ratio Lower Upper

56 100

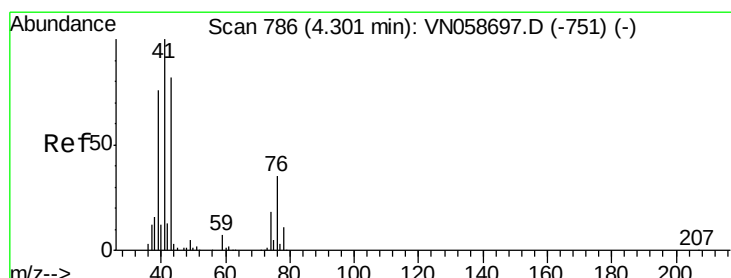
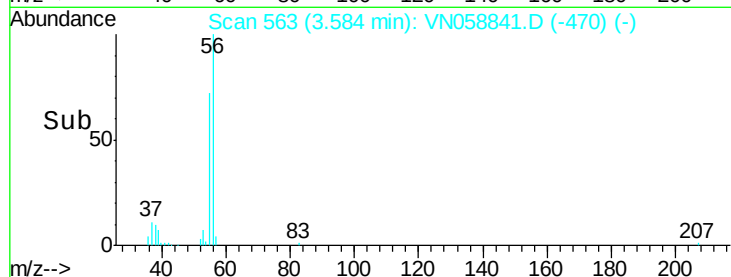
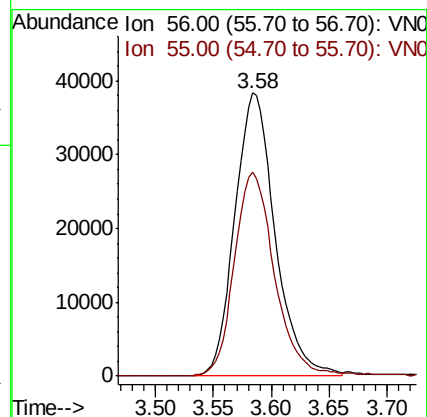
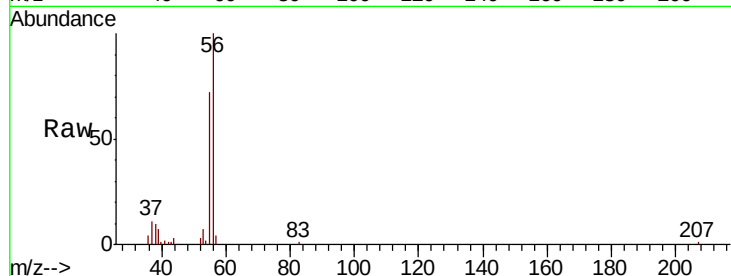
55 71.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 54.230 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

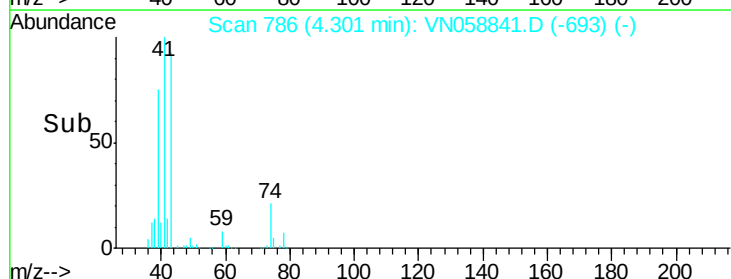
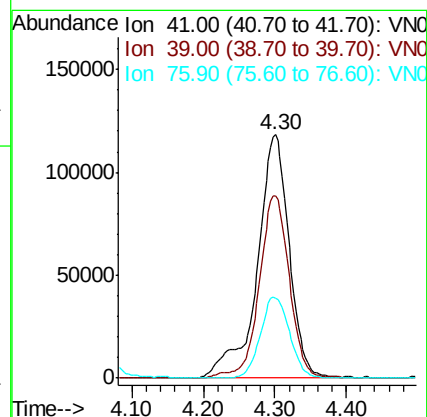
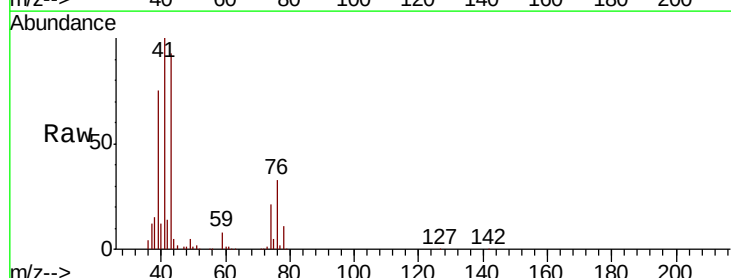
Tgt Ion: 41 Resp: 368309

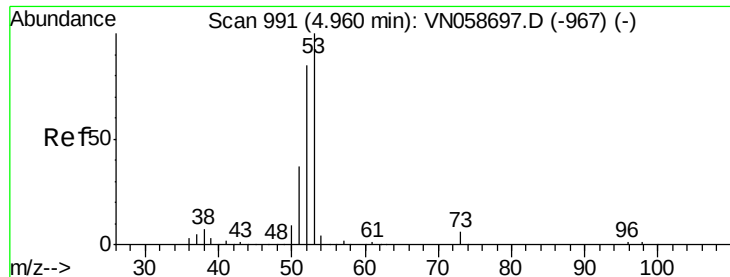
Ion Ratio Lower Upper

41 100

39 70.3 57.2 85.8

76 30.4 25.0 37.6





#15

Acrylonitrile

Concen: 295.019 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

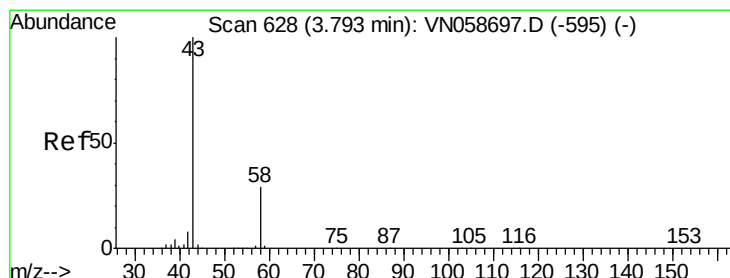
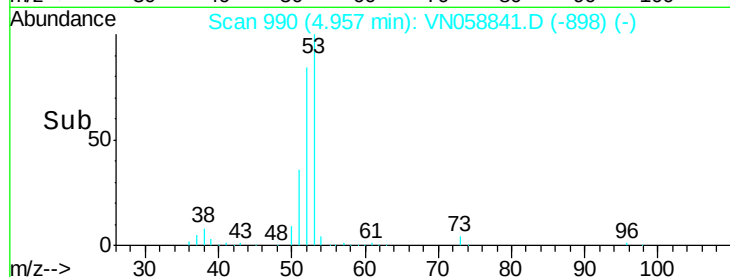
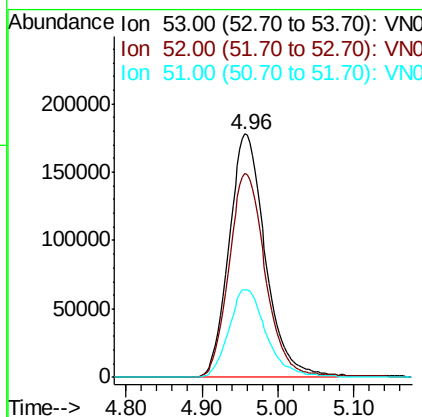
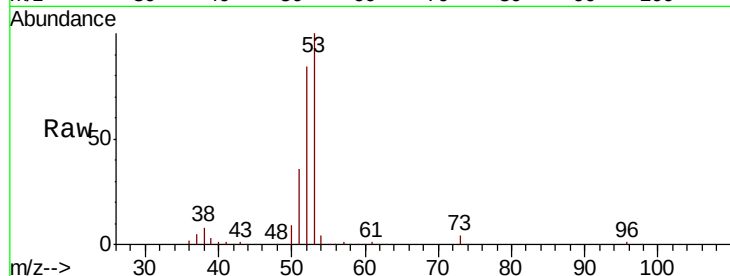
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	591128
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.2
51	37.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 276.188 ug/l

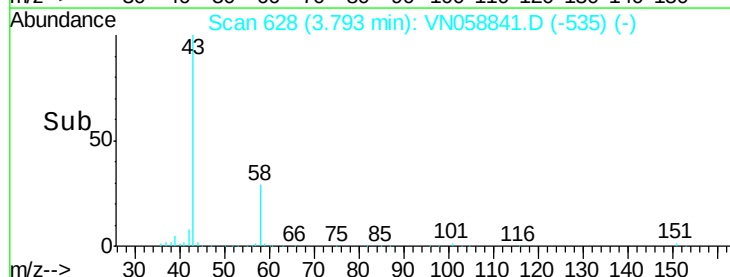
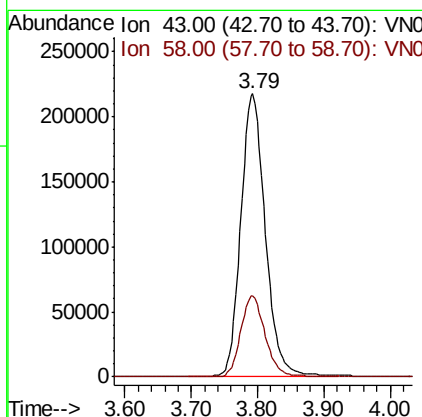
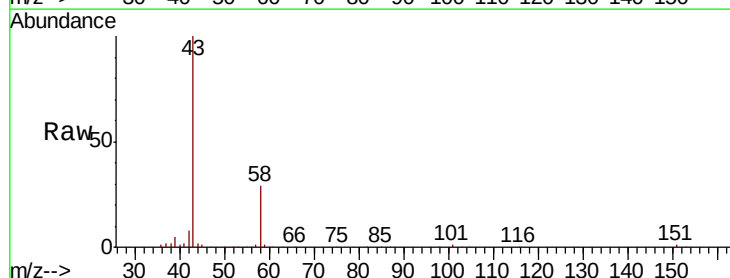
RT: 3.79 min Scan# 628

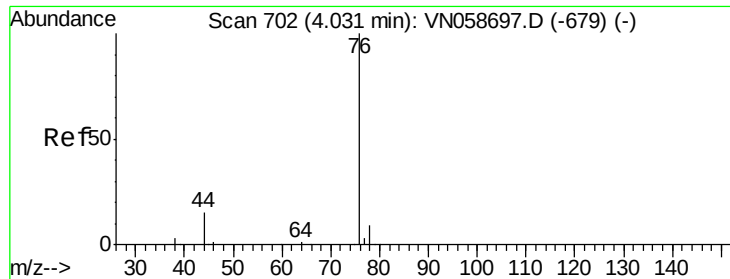
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	43	Resp:	560954
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.3	34.9





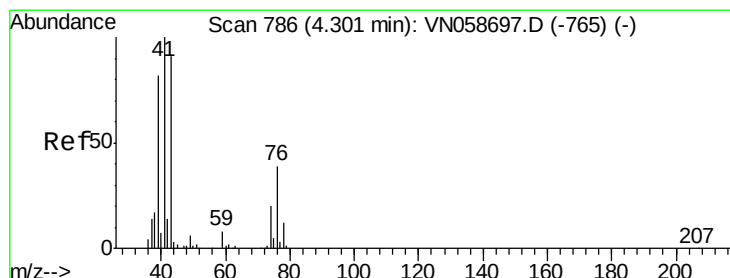
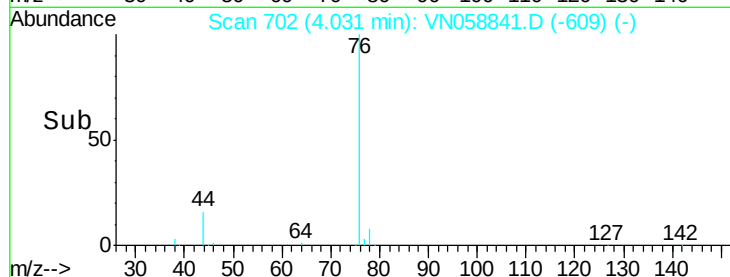
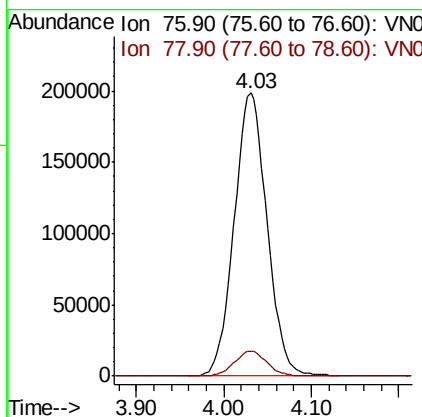
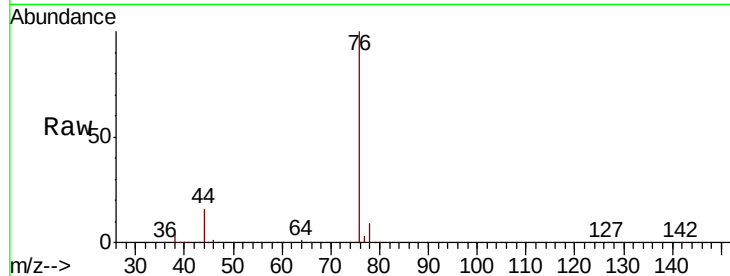
#17
Carbon Disulfide
Concen: 48.060 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

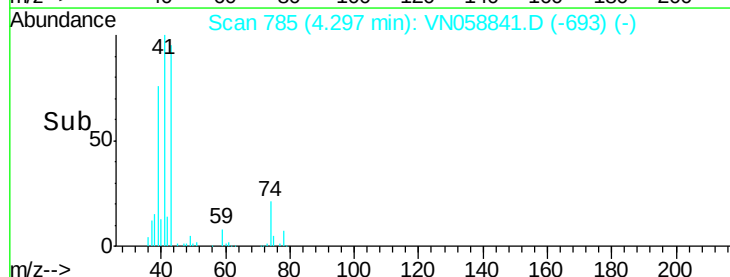
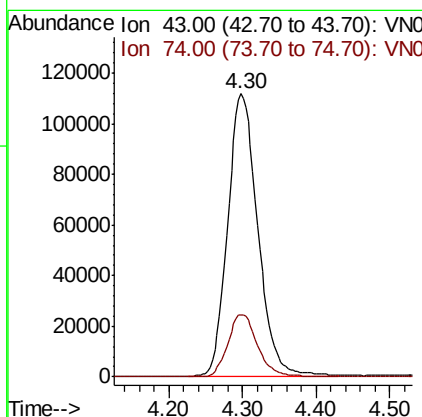
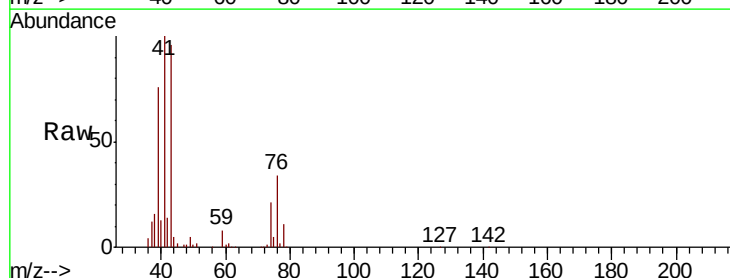
Manual Integrations
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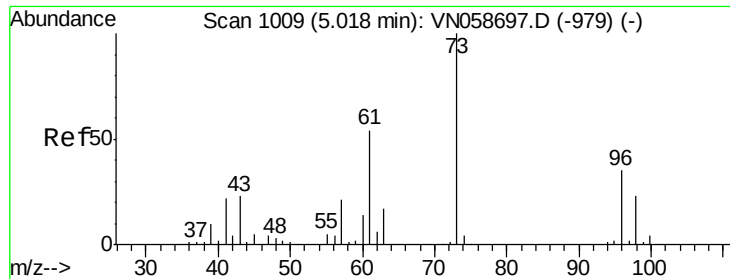
MMDadoda
10/18/2019 3:25:45 PM



#18
Methyl Acetate
Concen: 61.415 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.2	25.8





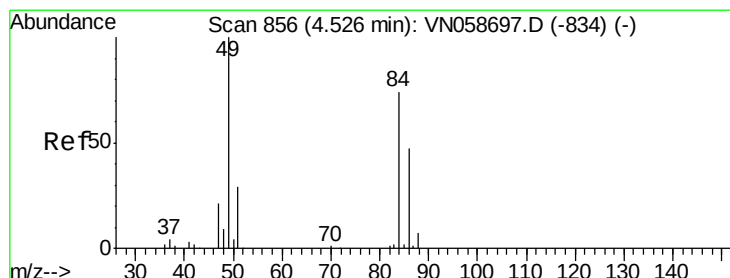
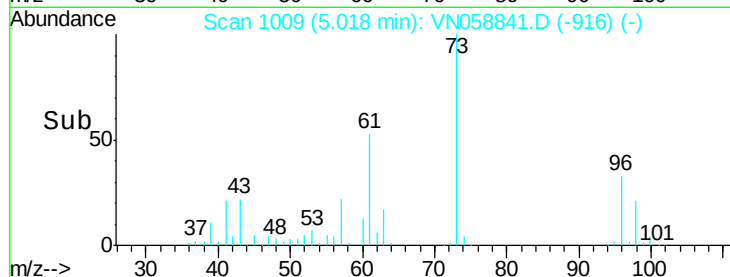
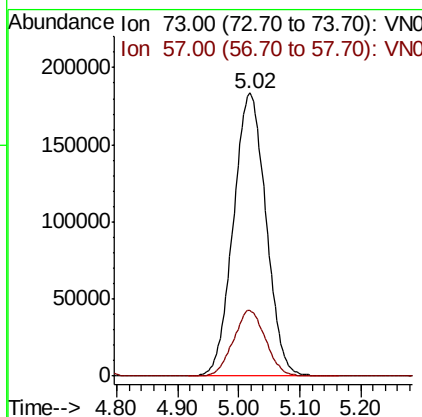
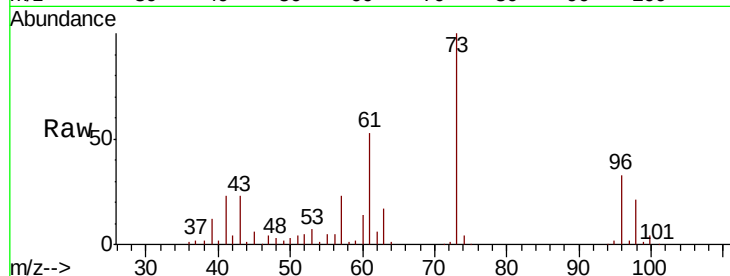
#19
Methvl tert-butyl Ether
Concen: 56.726 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 681693
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.6

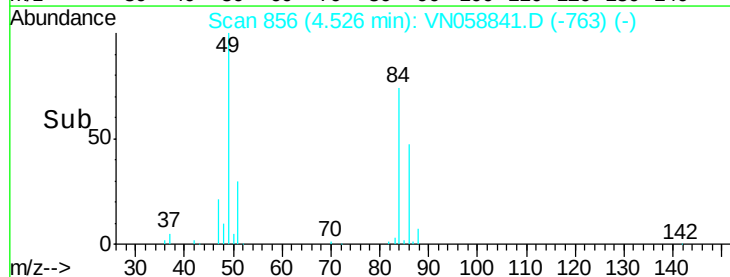
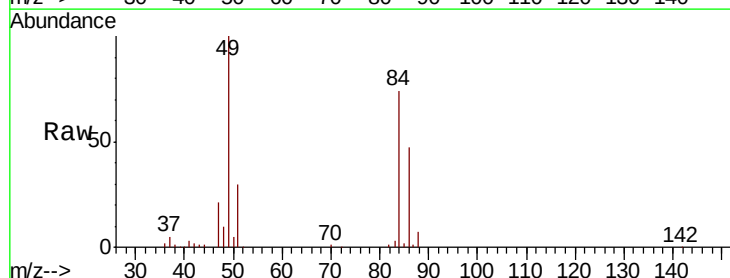
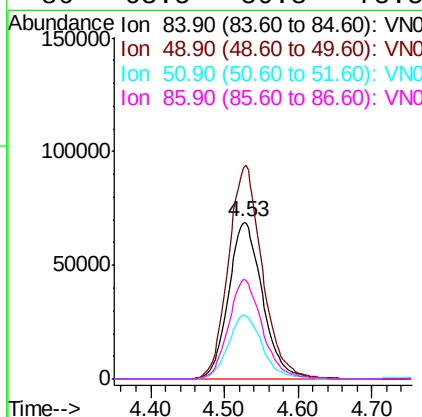
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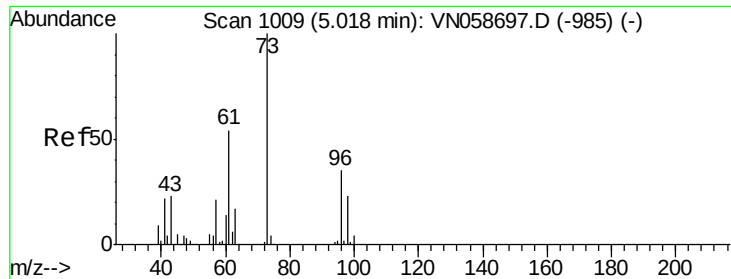
MMDadoda
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#20
Methylene Chloride
Concen: 52.188 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 84 Resp: 221530
Ion Ratio Lower Upper
84 100
49 134.9 107.6 161.4
51 40.9 31.4 47.0
86 63.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 52.763 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

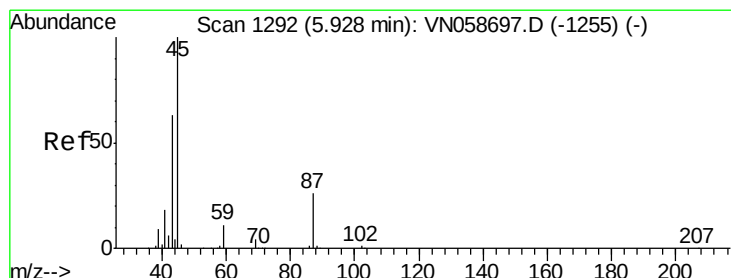
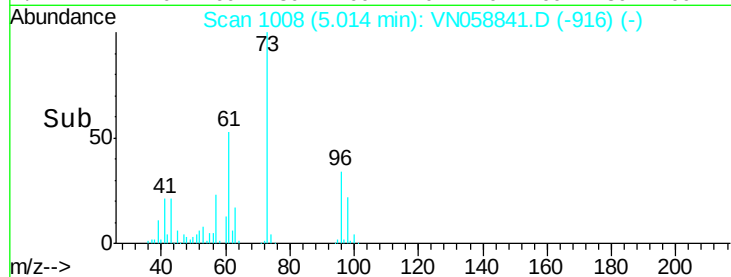
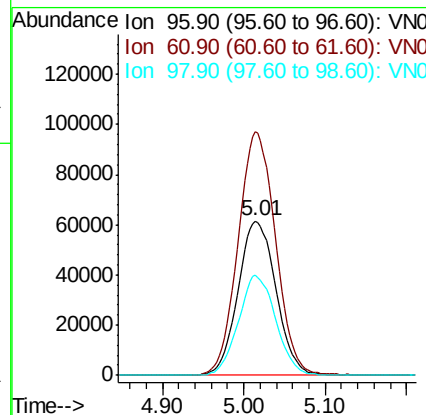
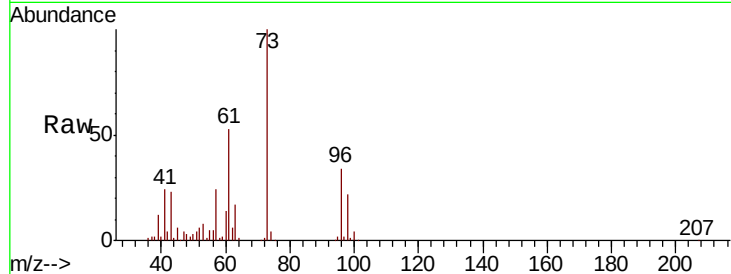
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	198623
Ion	Ratio	Lower	Upper
96	100		
61	157.6	123.6	185.4
98	64.7	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 58.152 ug/l

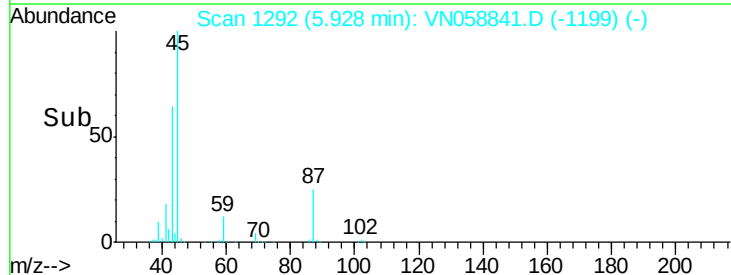
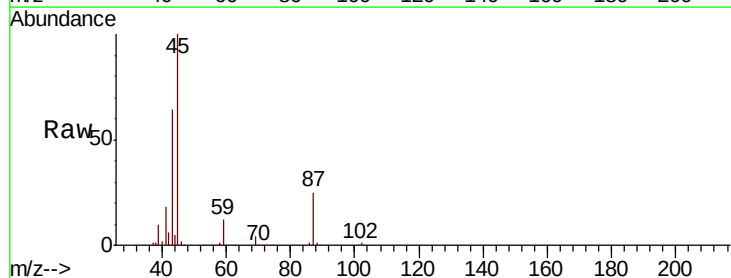
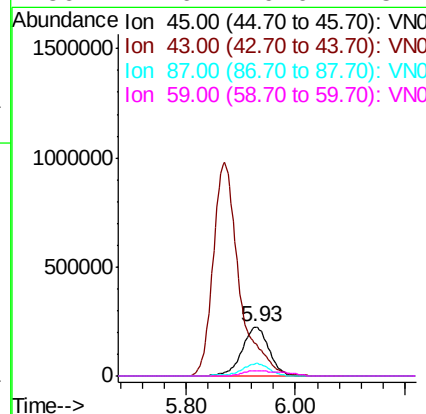
RT: 5.93 min Scan# 1292

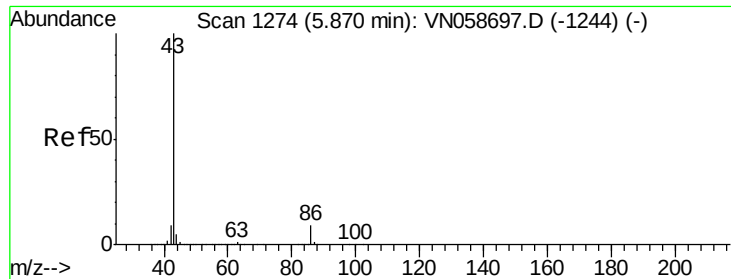
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	45	Resp:	767900
Ion	Ratio	Lower	Upper
45	100		
43	63.3	50.6	75.8
87	25.1	21.1	31.7
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 304.114 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3240420

Ion Ratio Lower Upper

43 100

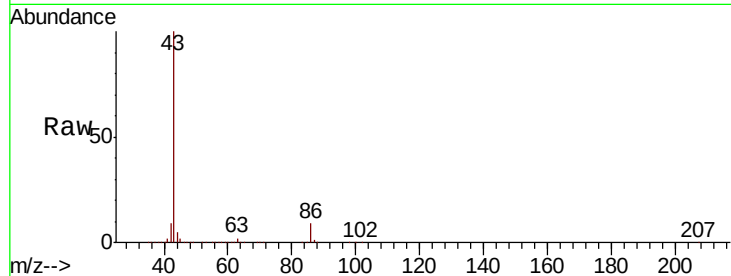
86 9.1 7.4 11.0

Manual Integrations

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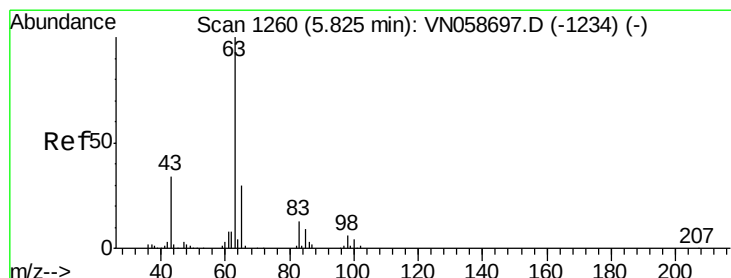
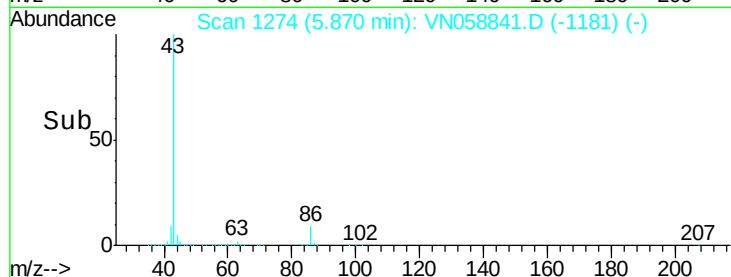
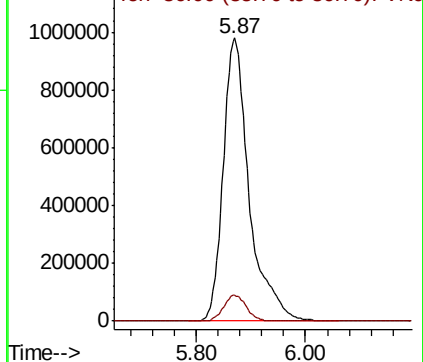
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 55.948 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

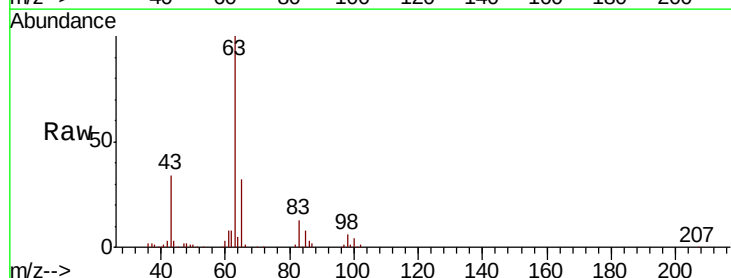
Tgt Ion: 63 Resp: 420773

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

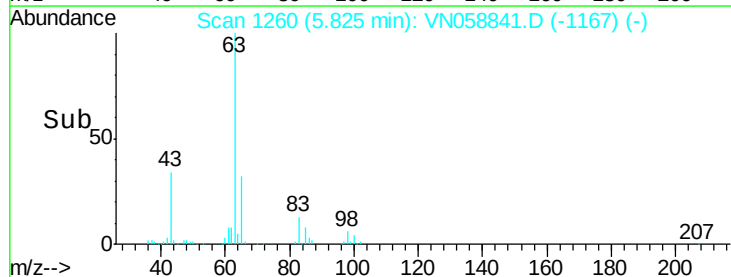
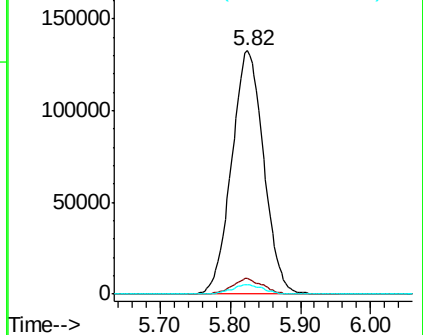
100 3.8 1.8 5.5

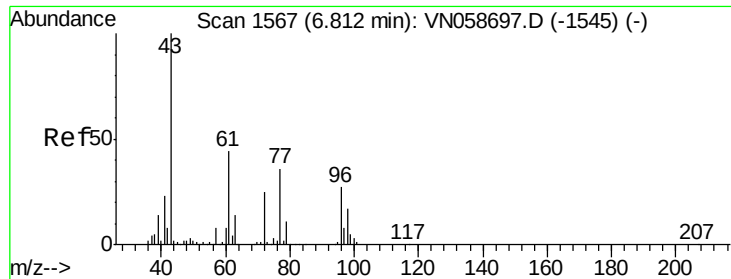


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 287.765 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 844786

Ion Ratio Lower Upper

43 100

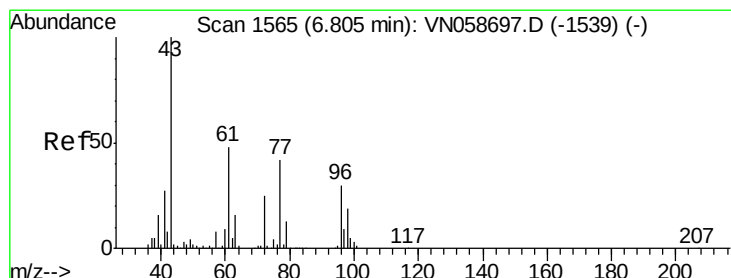
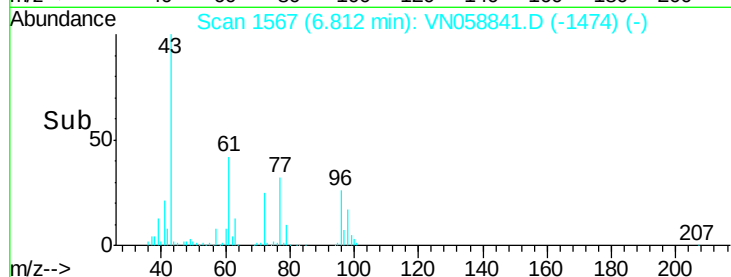
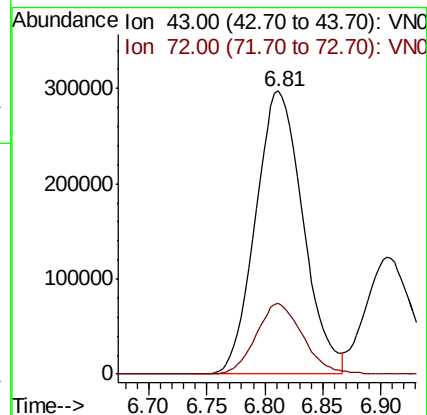
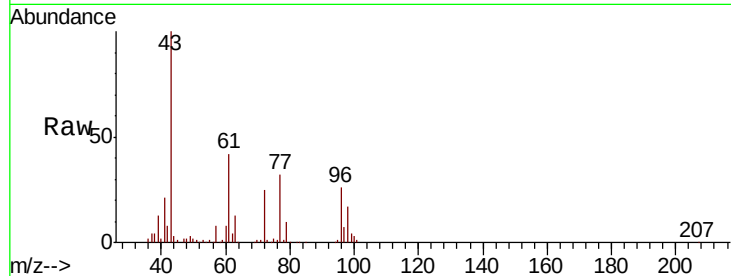
72 25.0 20.2 30.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 49.204 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058841.D

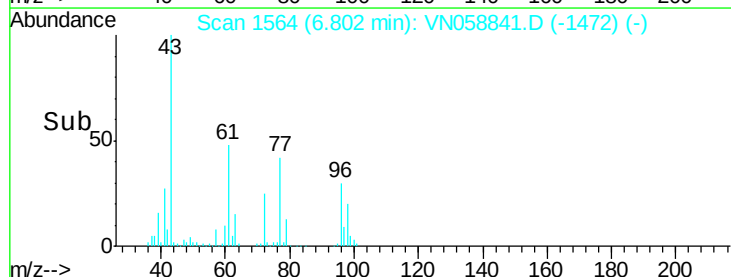
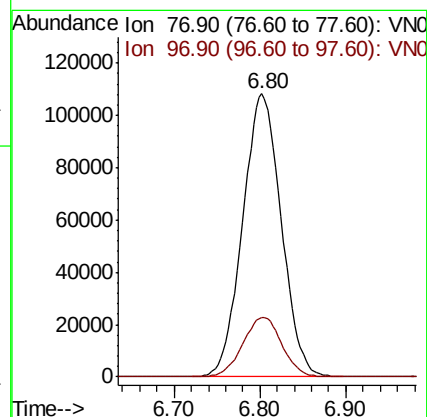
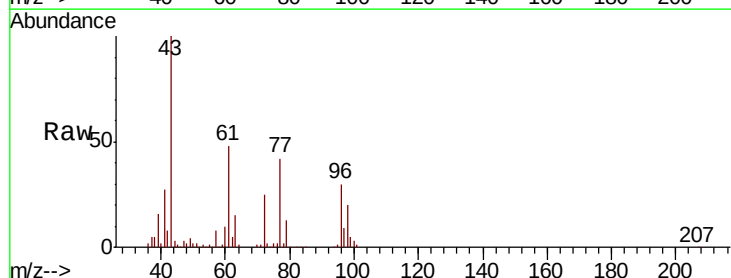
Acq: 17 Oct 2019 20:18

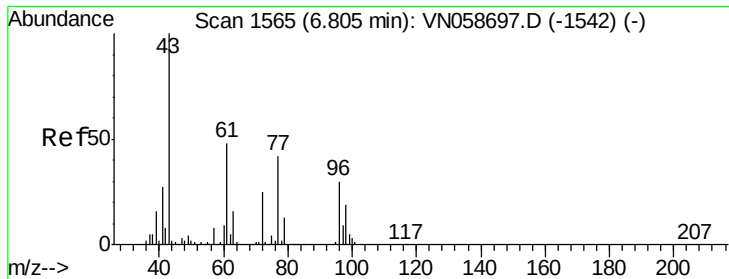
Tgt Ion: 77 Resp: 337799

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.848 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

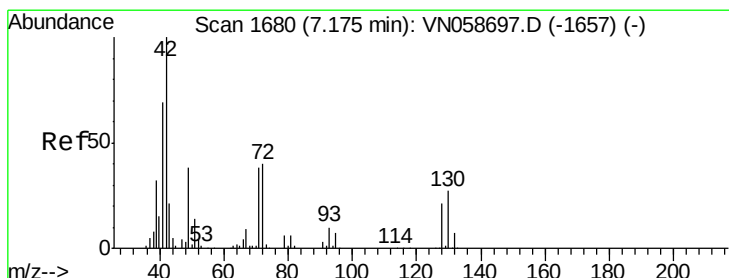
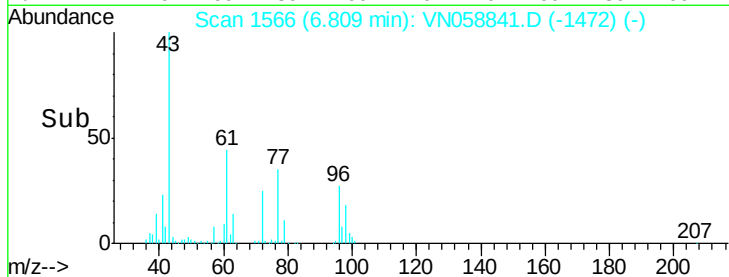
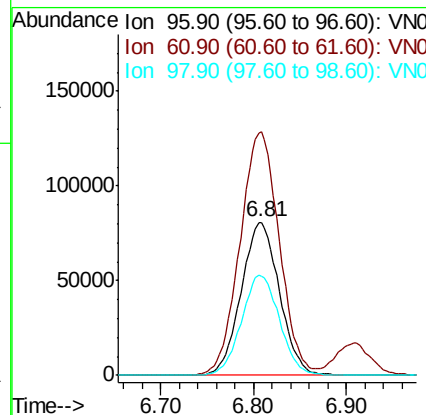
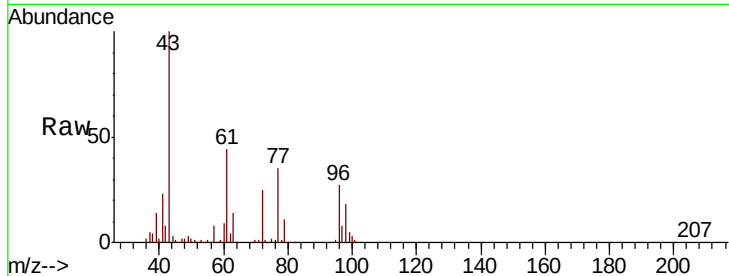
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	231991
Ion Ratio	Lower	Upper	
96	100		
61	162.6	0.0	324.8
98	65.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 55.464 ug/l

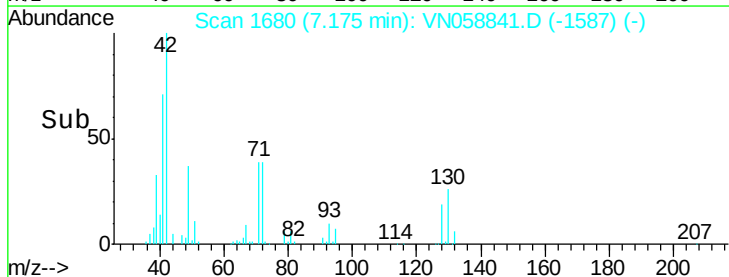
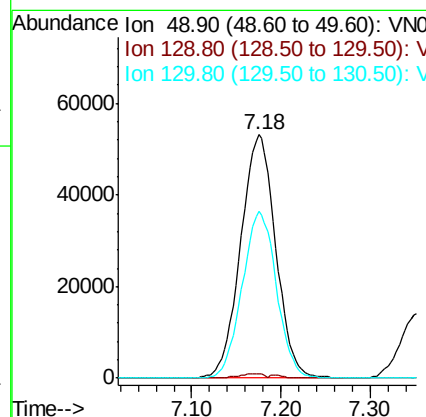
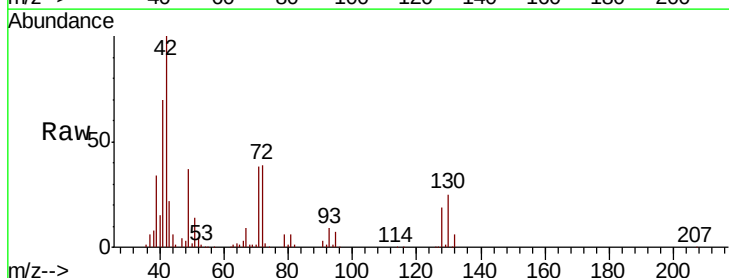
RT: 7.18 min Scan# 1680

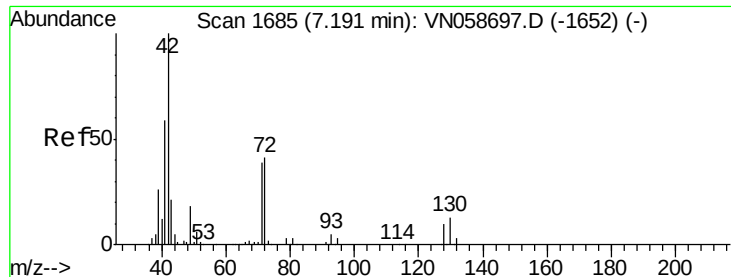
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	49	Resp:	145118
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	3.6
130	67.1	55.0	82.4





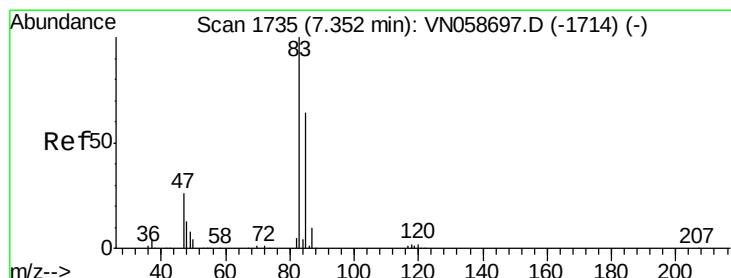
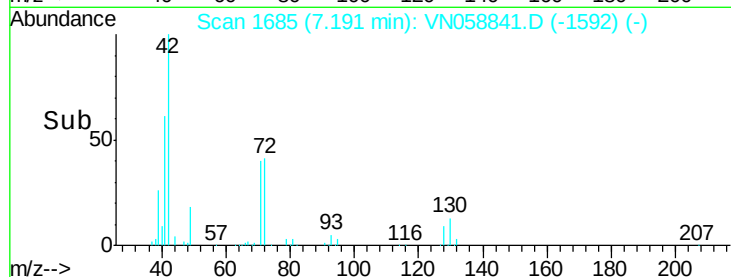
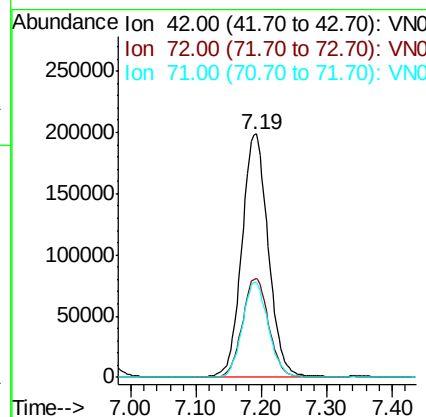
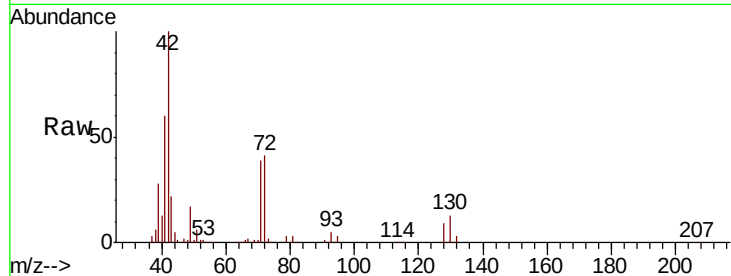
#29
Tetrahydrofuran
Concen: 293.609 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.8	49.2
71	38.6	31.1	46.7

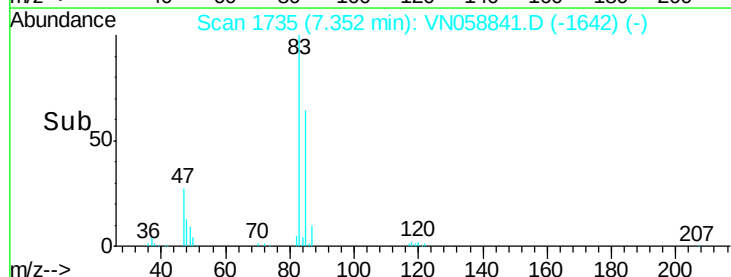
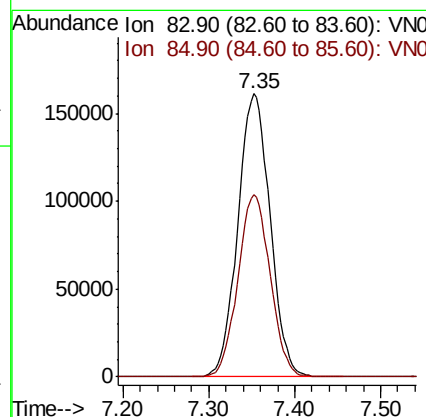
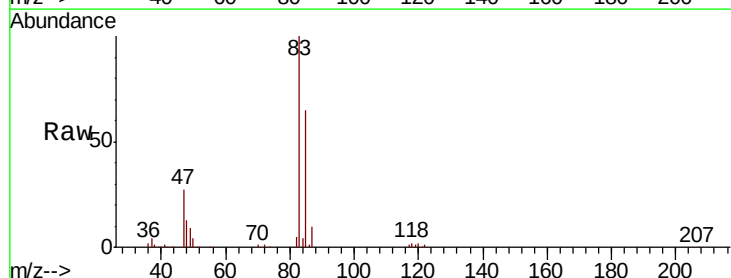
Manual Integrations
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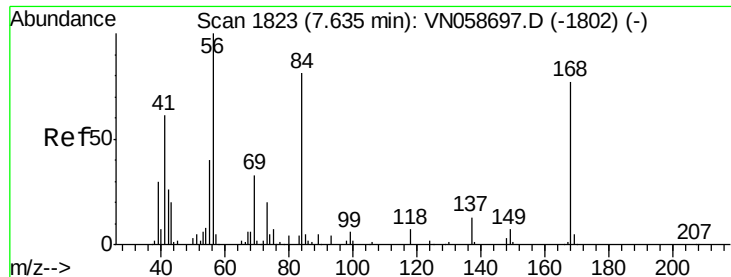
MMDadoda
10/18/2019 3:25:45 PM



#30
Chloroform
Concen: 55.651 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6





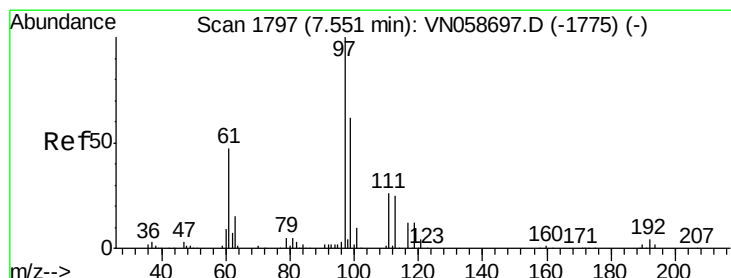
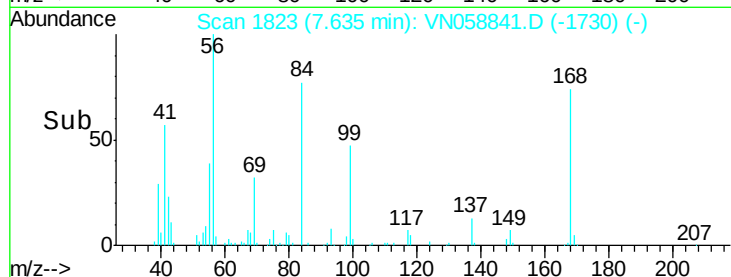
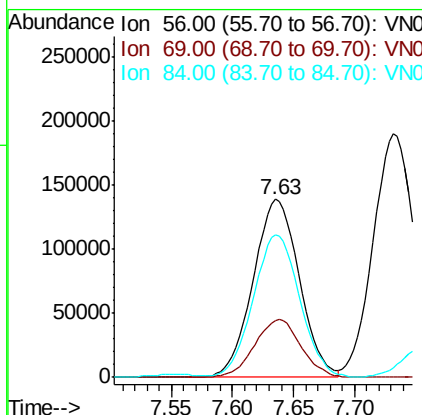
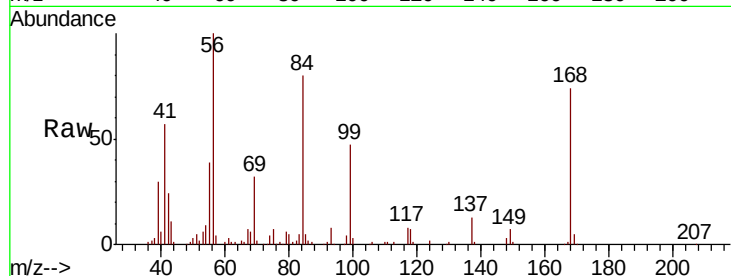
#31
Cyclohexane
Concen: 50.837 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	26.2	39.4
84	79.0	64.9	97.3

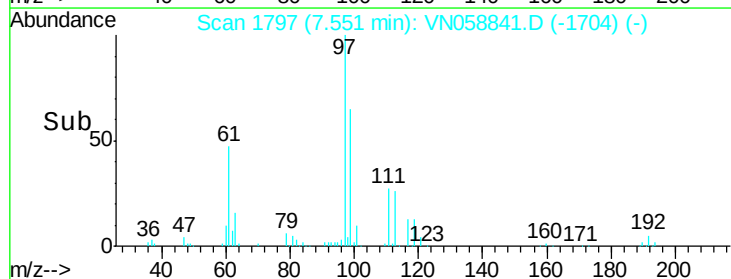
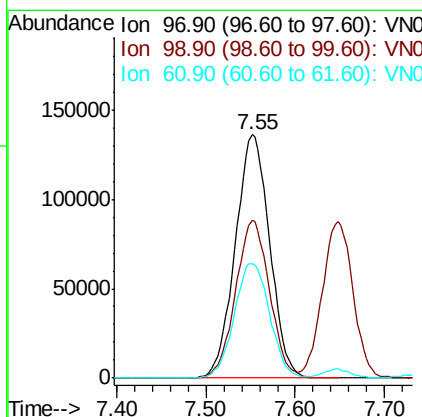
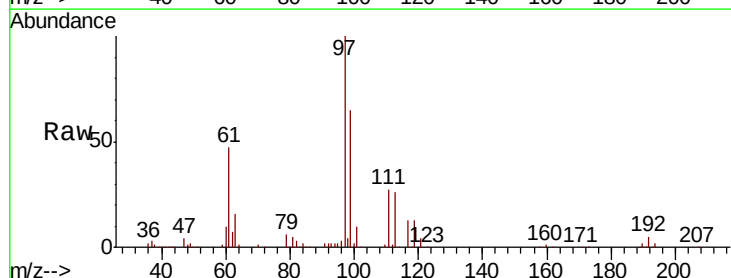
Manual Integrations
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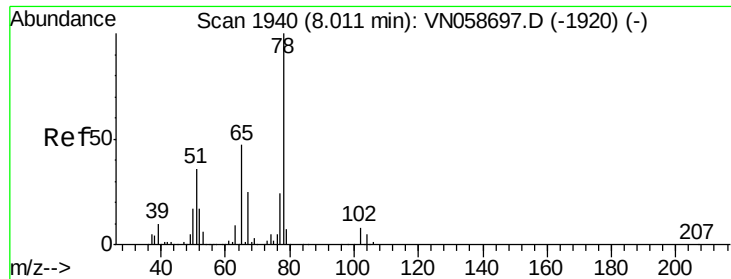
MMDadoda
10/18/2019 3:25:45 PM



#32
1,1,1-Trichloroethane
Concen: 56.388 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	48.6	38.1	57.1





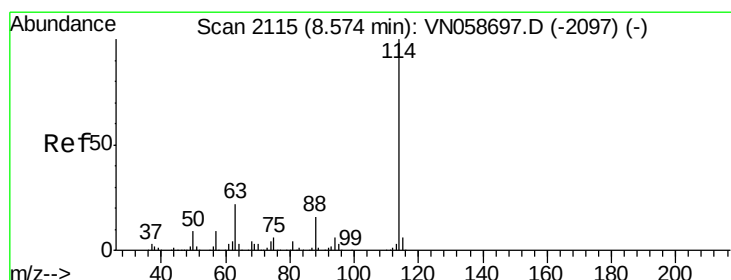
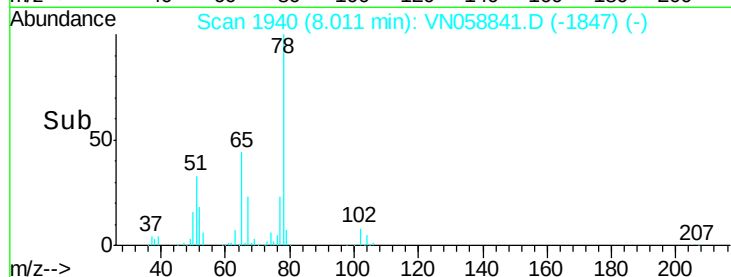
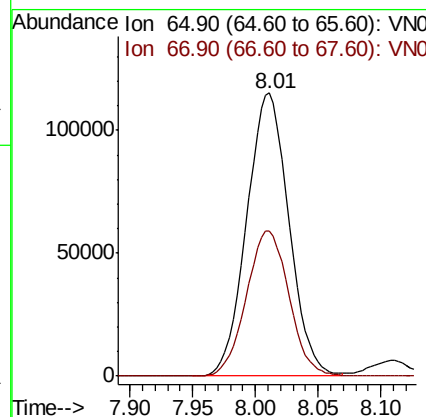
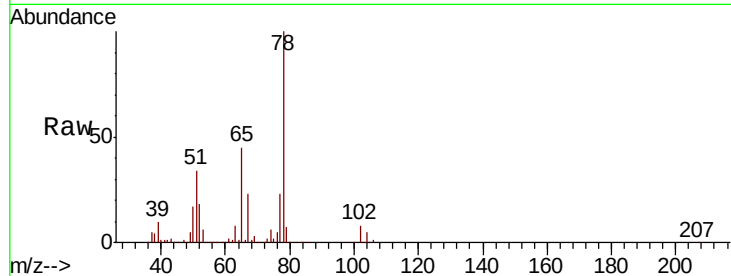
#33
 1,2-Dichloroethane-d4
 Concen: 54.991 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	269787		
67	51.9	0.0	103.8	

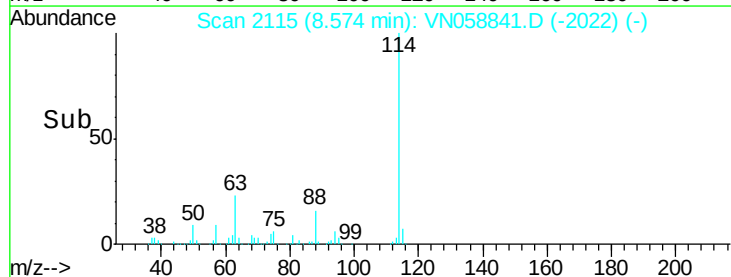
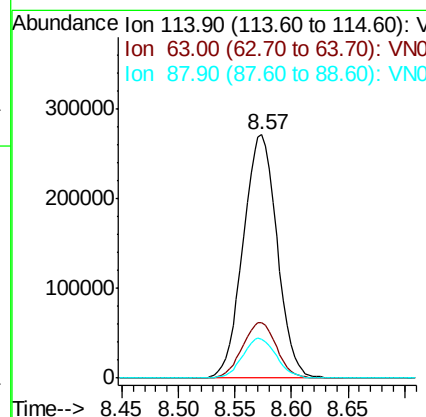
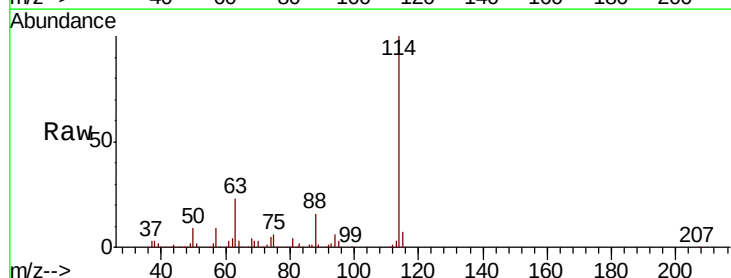
Manual Integrations
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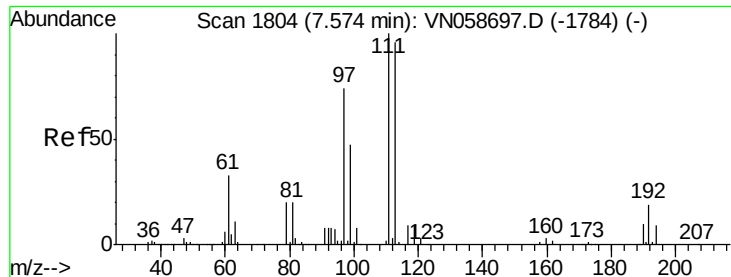
MMDadoda
 10/18/2019 3:25:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	566507		
63	22.9	0.0	43.8	
88	15.9	0.0	32.0	





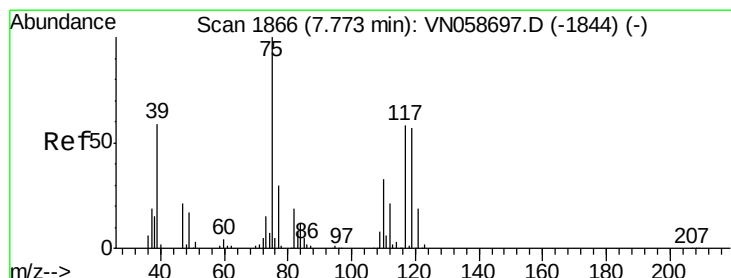
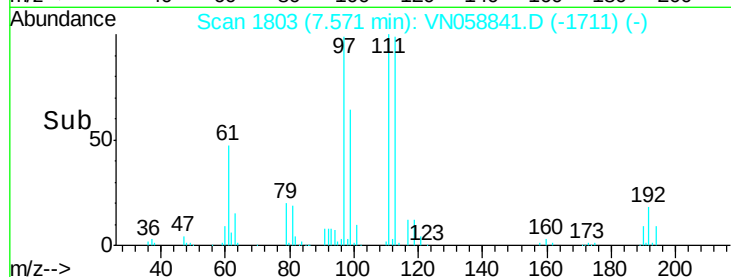
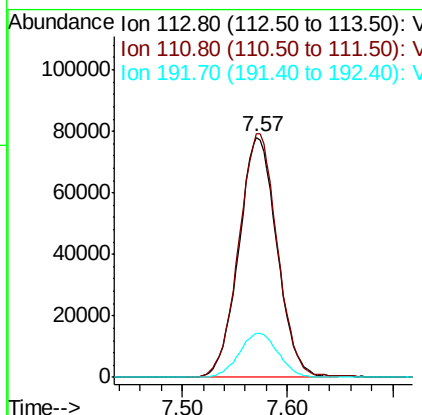
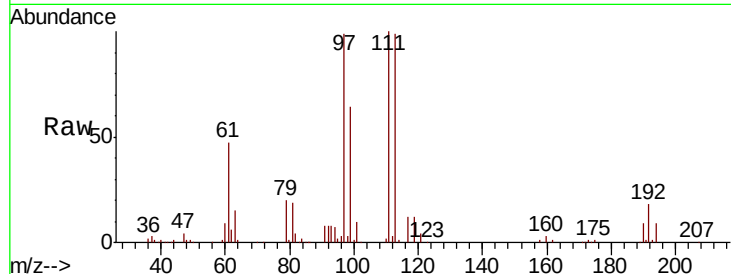
#35
Dibromofluoromethane
Concen: 56.028 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196053		
111	102.5	82.3	123.5	
192	18.7	15.0	22.6	

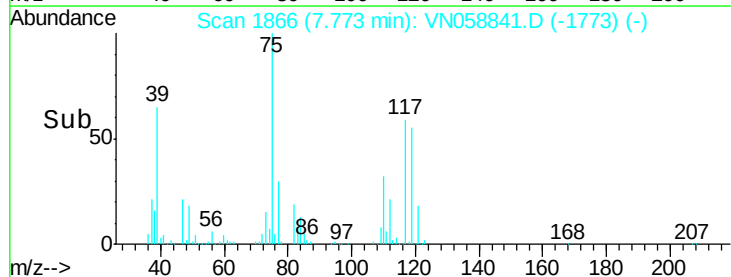
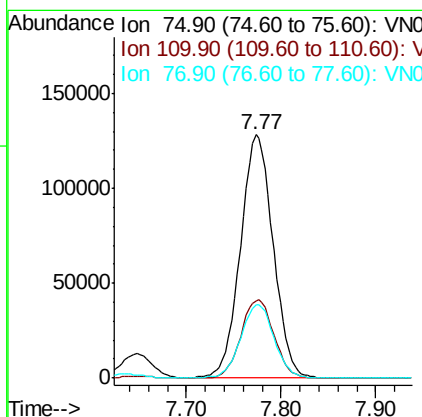
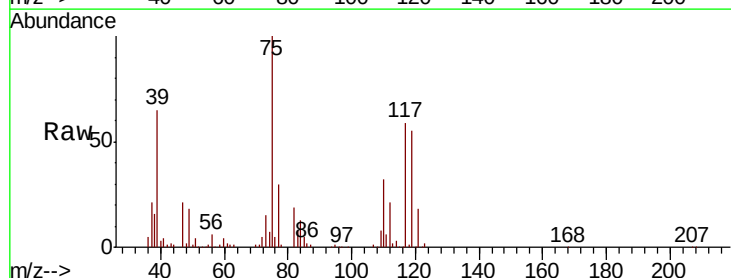
Manual Integrations
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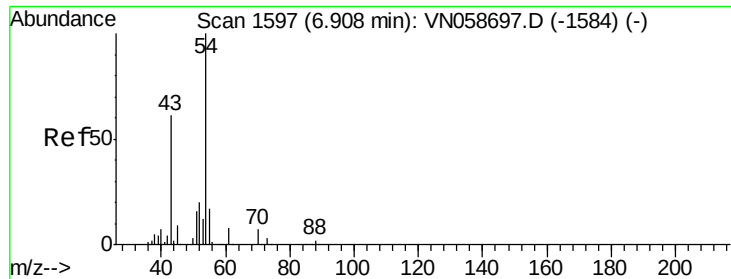
MMDadoda
10/18/2019 3:25:45 PM



#36
1,1-Dichloropropene
Concen: 53.518 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	306537		
110	32.6	16.6	49.8	
77	31.2	24.6	37.0	





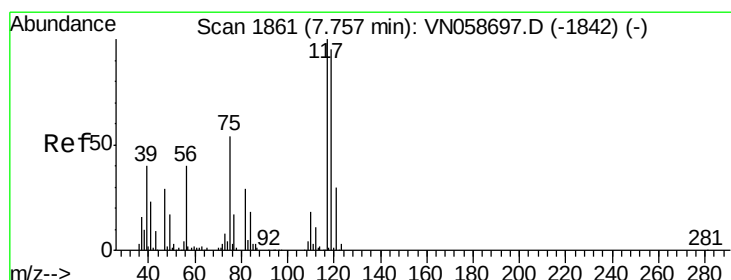
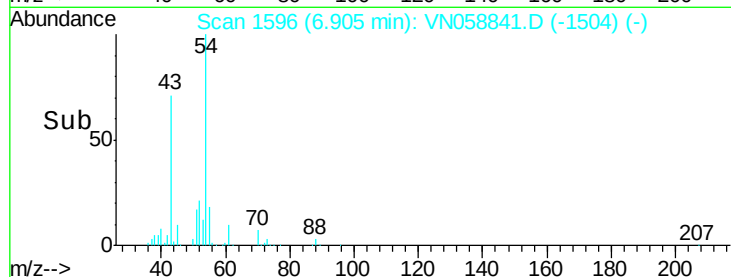
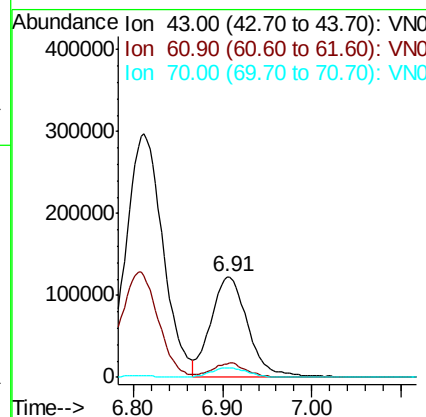
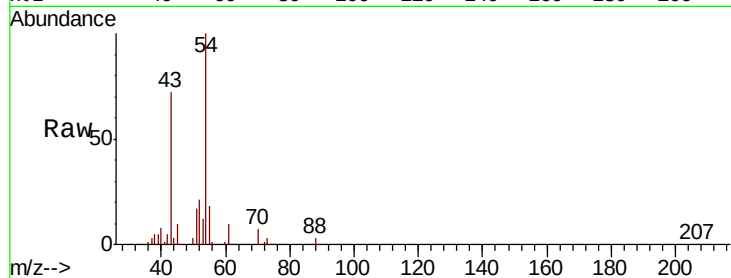
#37
Ethyl Acetate
Concen: 60.273 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	9.5	7.2	10.8

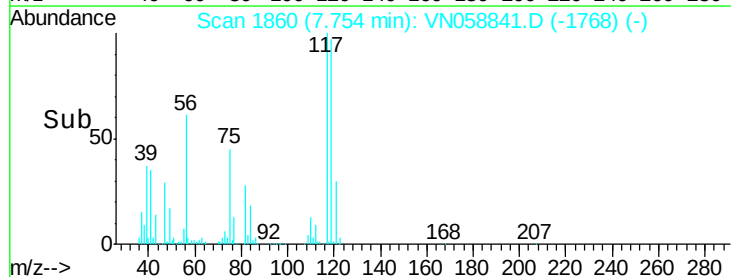
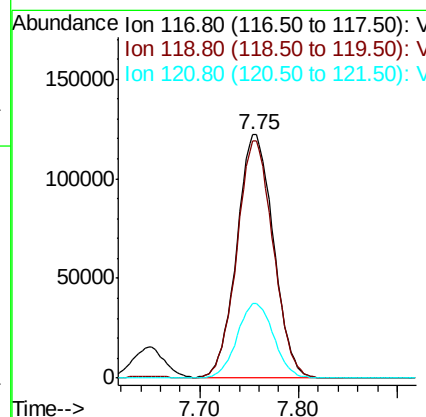
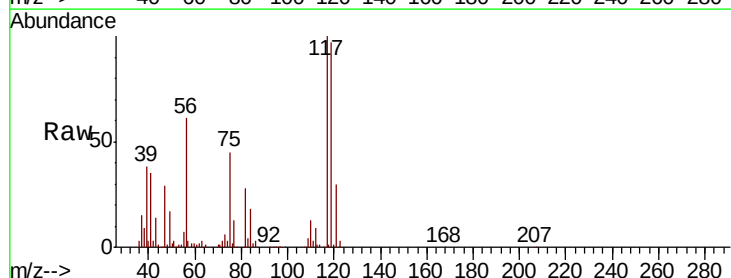
Manual Integrations
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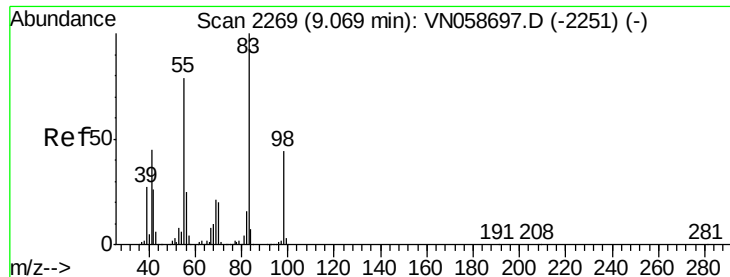
MMDadoda
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#38
Carbon Tetrachloride
Concen: 56.502 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.7	113.5
121	30.4	23.9	35.9





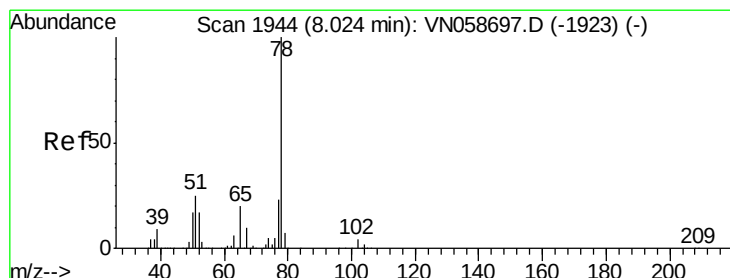
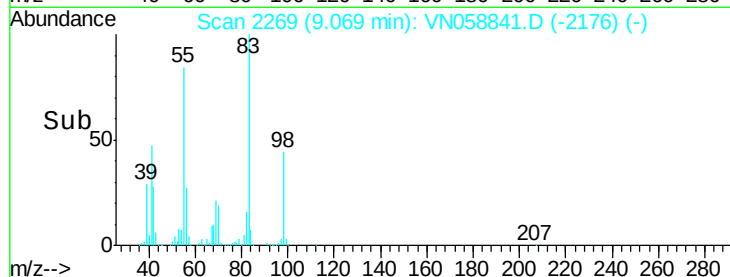
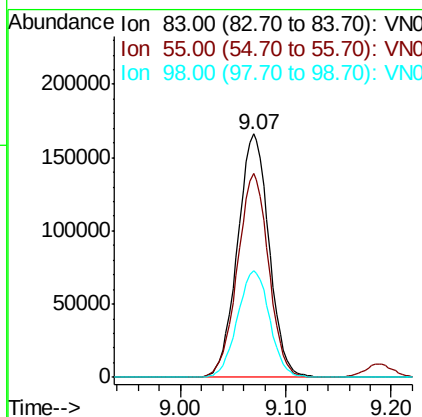
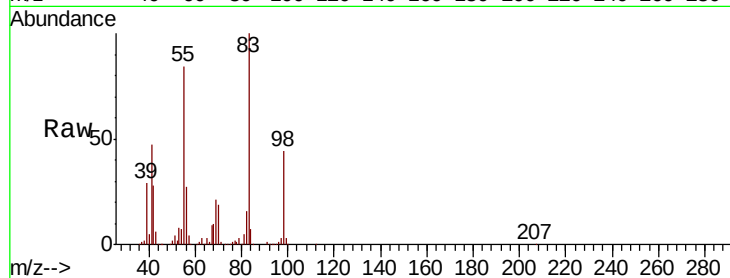
#39
Methylvlcyclohexane
Concen: 51.837 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	63.4	95.0
98	44.1	35.1	52.7

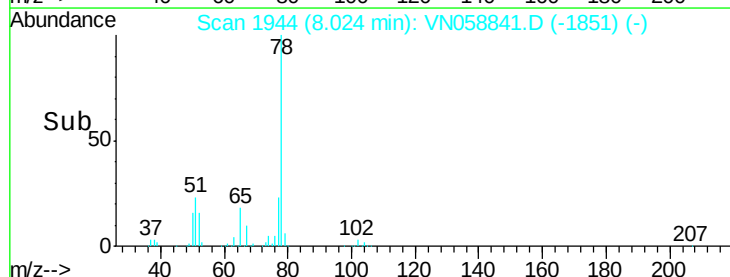
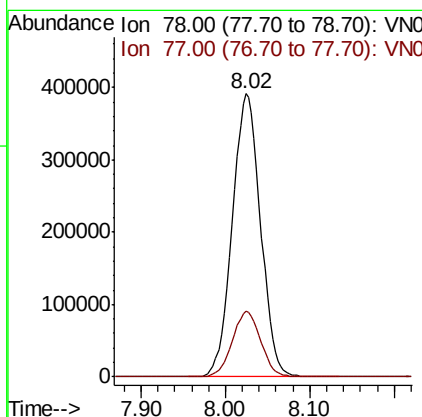
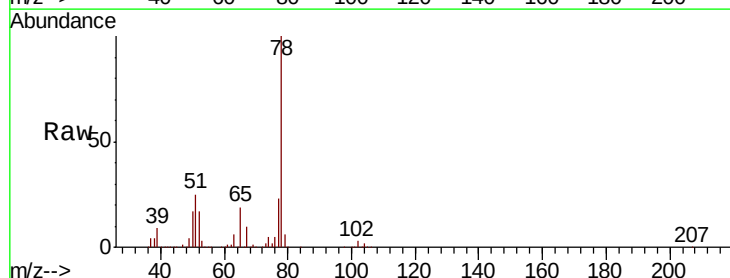
Manual Integrations
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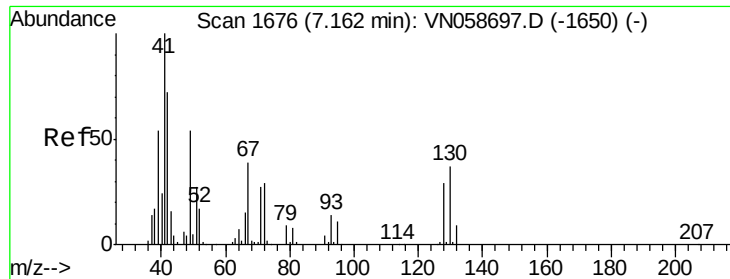
MMDadoda
10/18/2019 3:25:45 PM



#40
Benzene
Concen: 55.372 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





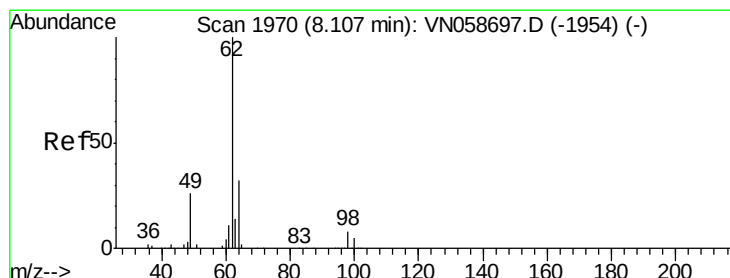
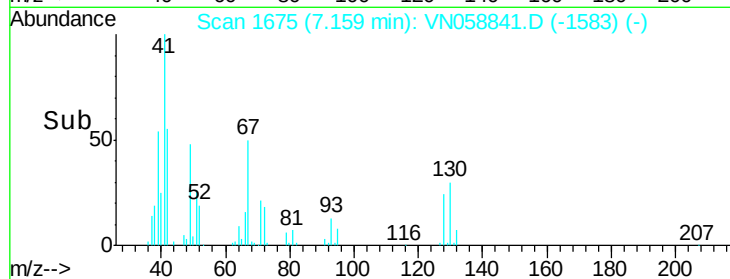
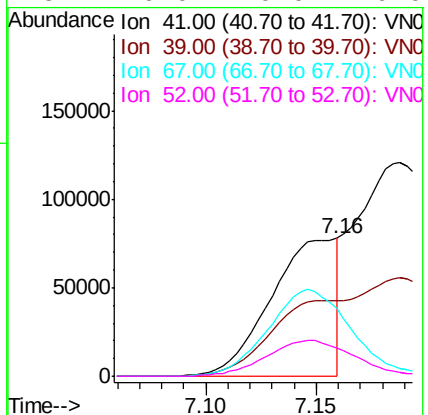
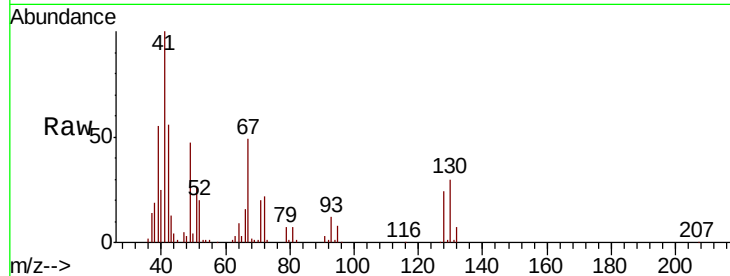
#41
Methacrylonitrile
Concen: 59.098 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	115.4	173.2#	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

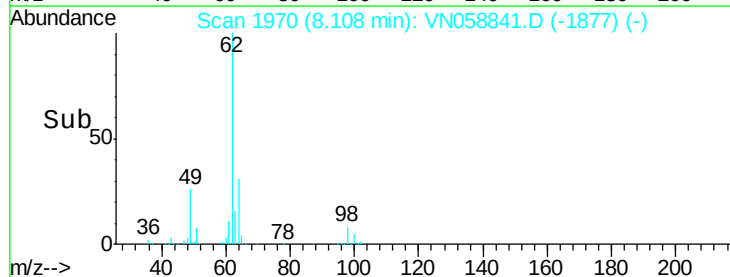
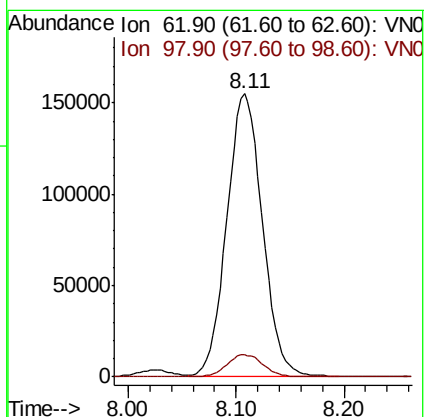
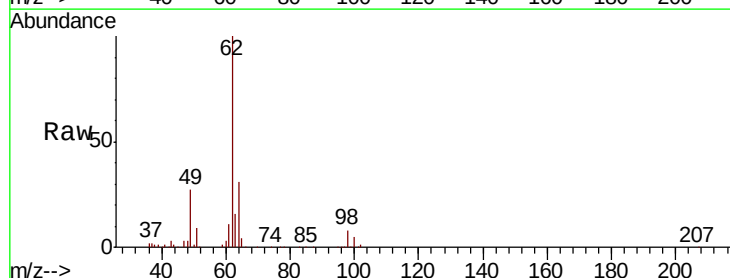
Manual Integrations
APPROVED

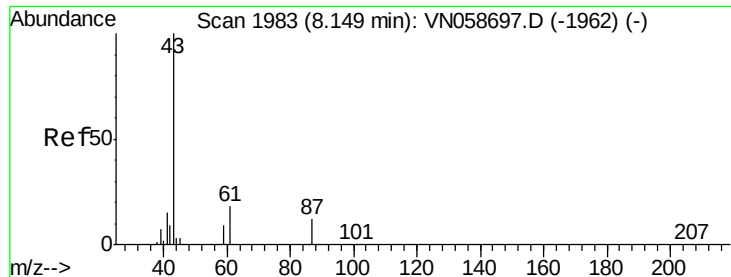
MMDadoda
10/18/2019 3:25:45 PM



#42
1,2-Dichloroethane
Concen: 56.297 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.8	





#43

Isopropyl Acetate

Concen: 57.681 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

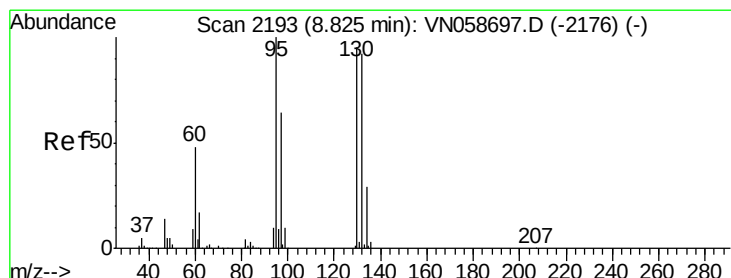
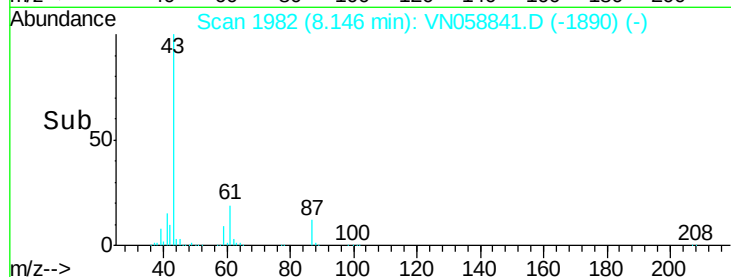
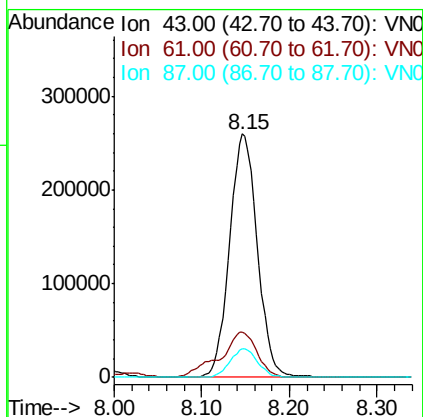
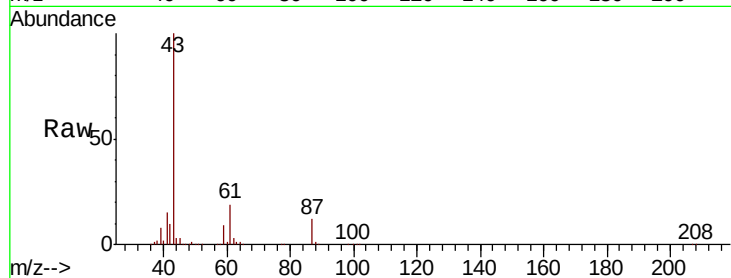
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	569200
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.3	30.5
87	11.8	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 53.466 ug/l

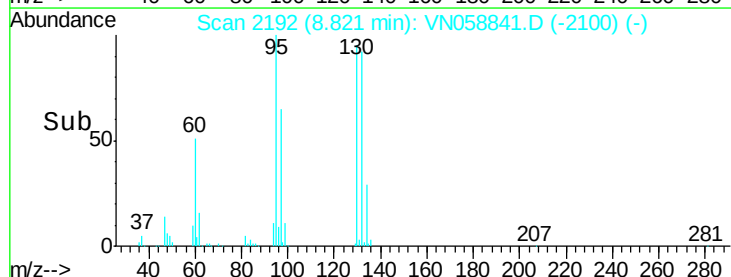
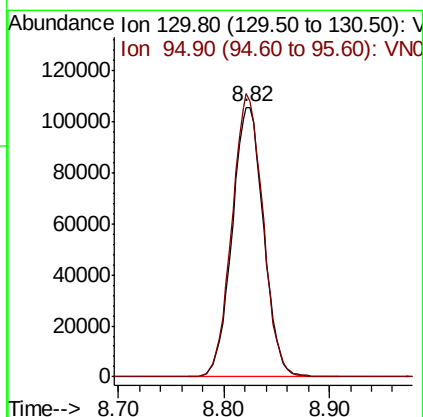
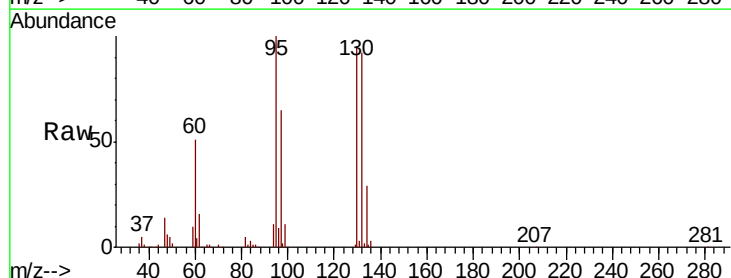
RT: 8.82 min Scan# 2192

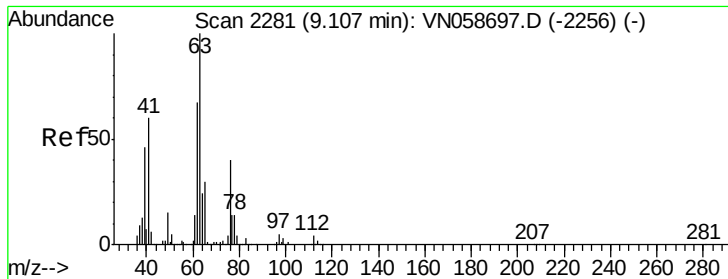
Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	130	Resp:	218413
Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	211.2





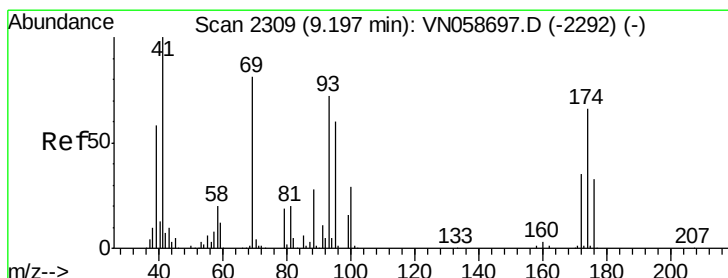
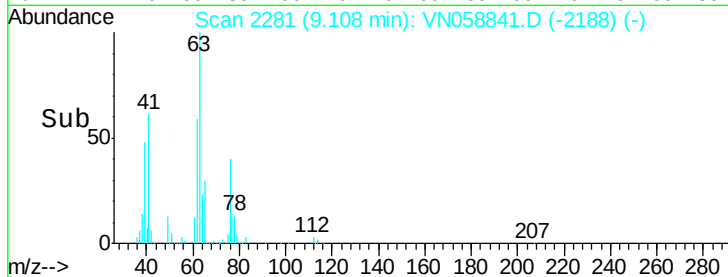
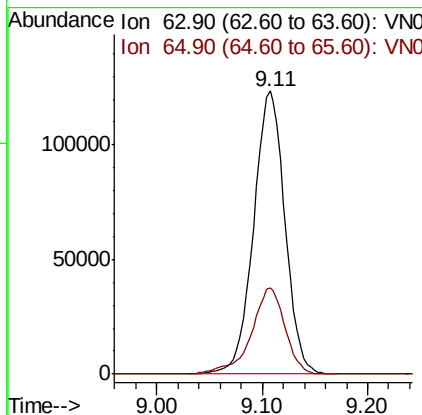
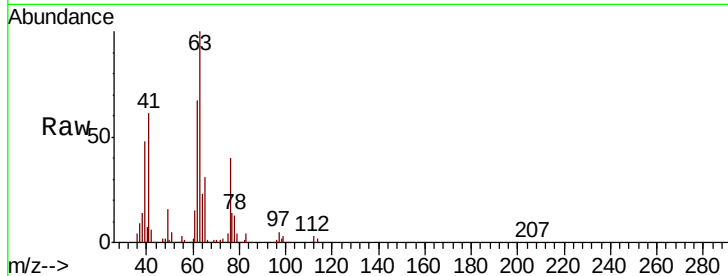
#45
 1,2-Dichloropropane
 Concen: 58.106 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.1	36.1

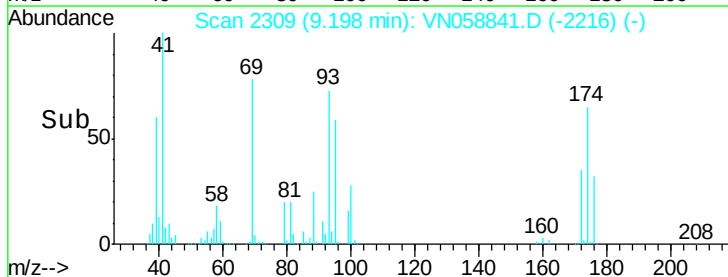
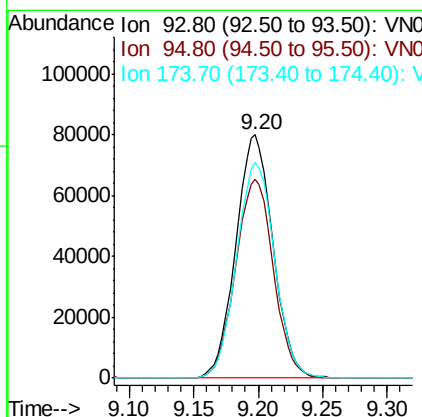
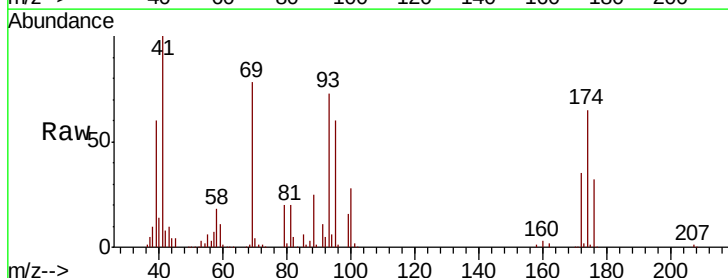
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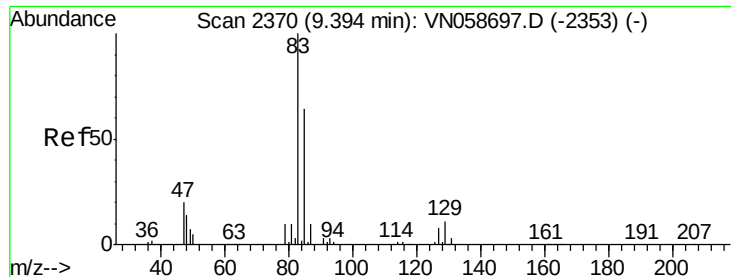
MMDadoda
 10/18/2019 3:25:45 PM



#46
 Dibromomethane
 Concen: 57.540 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.6	100.0
174	90.9	75.2	112.8





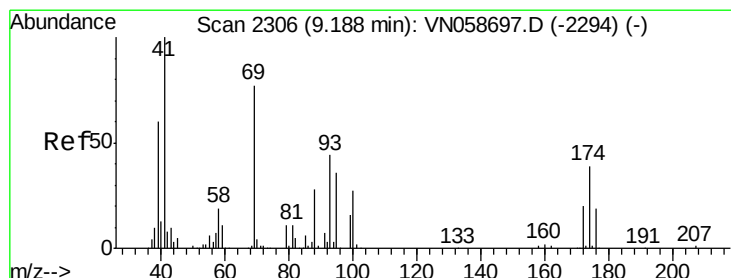
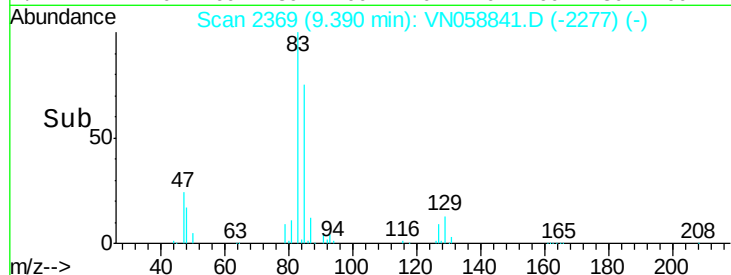
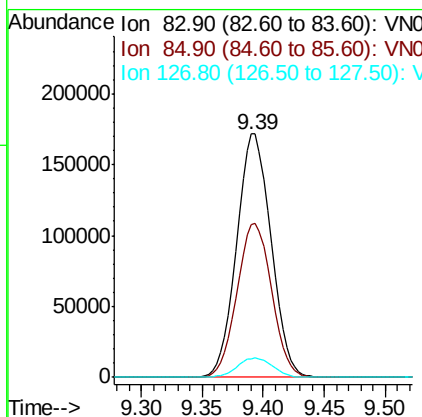
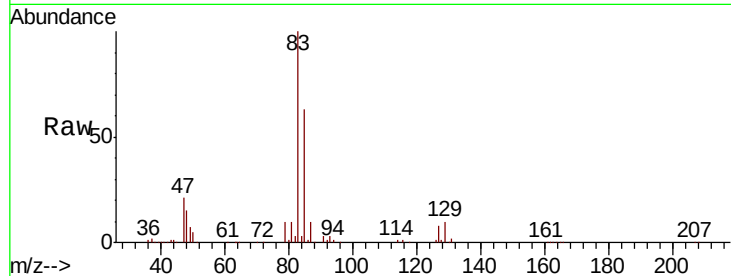
#47
Bromodichloromethane
Concen: 58.899 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	334871
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	50.9	76.3
127	7.7	6.3	9.5

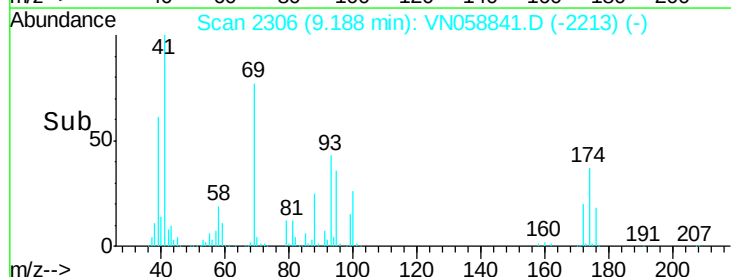
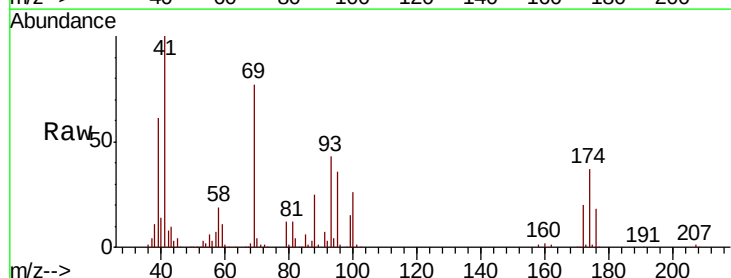
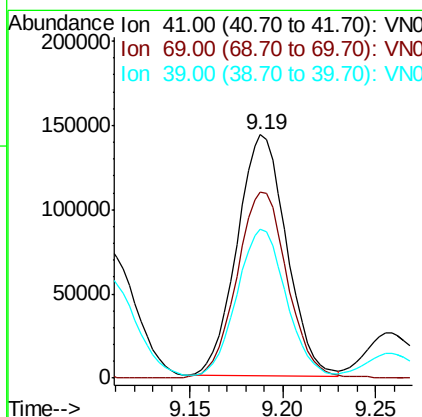
Manual Integrations
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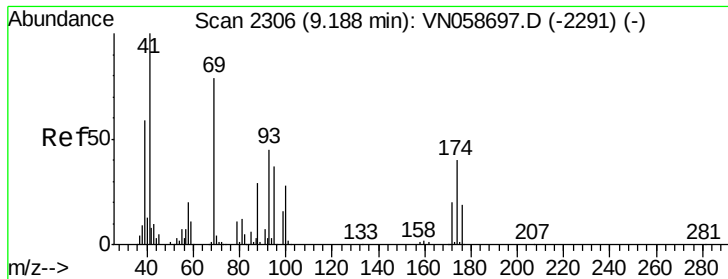
MMDadoda
10/18/2019 3:25:45 PM



#48
Methyl methacrylate
Concen: 59.163 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	41	Resp	264646
Ion Ratio	100	Lower	Upper
41	100		
69	79.4	63.4	95.2
39	62.2	48.9	73.3





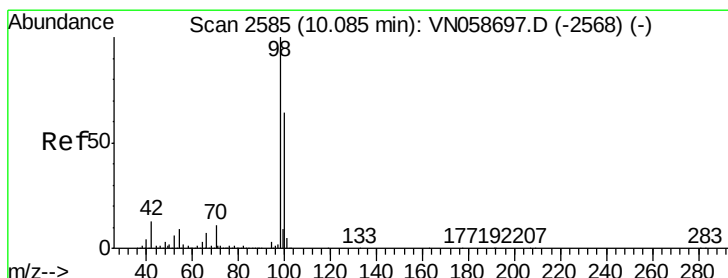
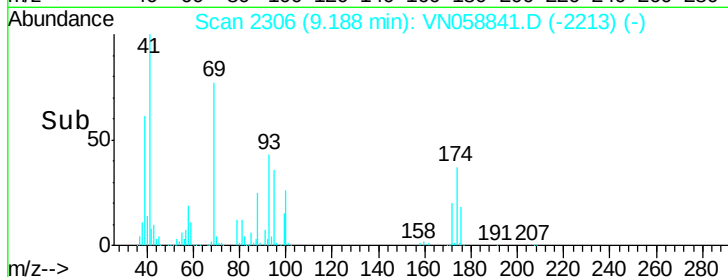
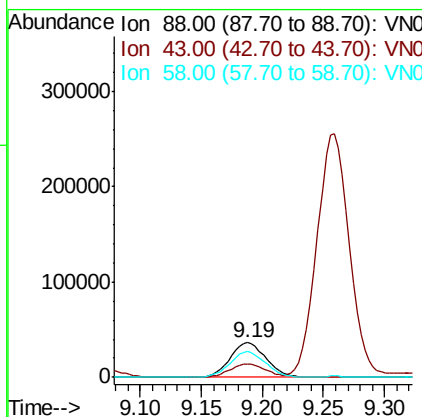
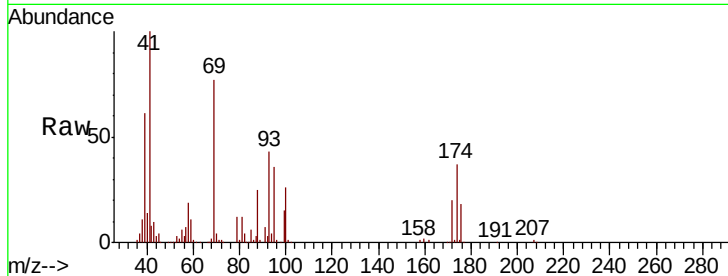
#49
 1,4-Dioxane
 Concen: 1083.285 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	74965
Ion	Ratio	Lower	Upper
88	100		
43	37.5	28.6	43.0
58	73.7	57.2	85.8

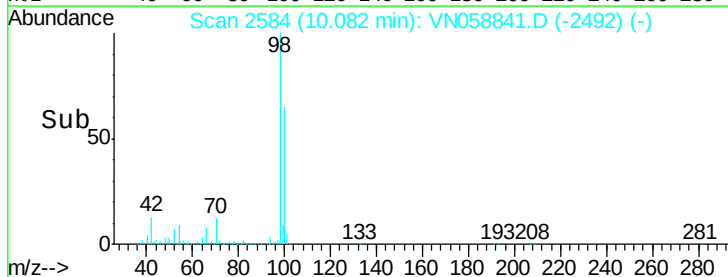
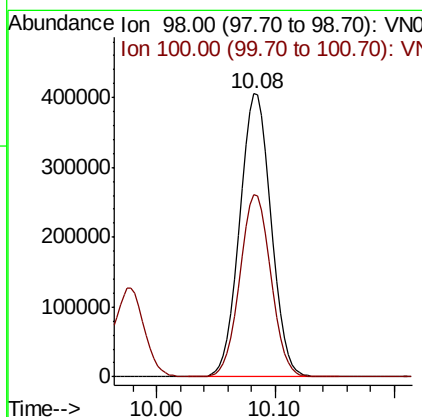
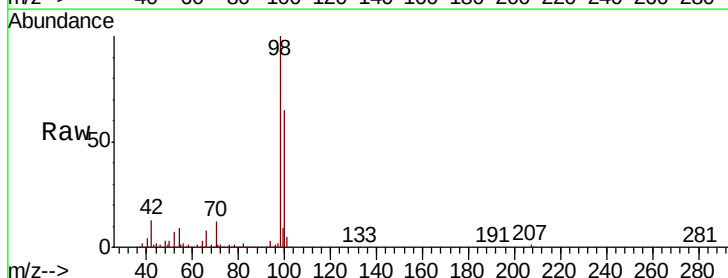
Manual Integrations
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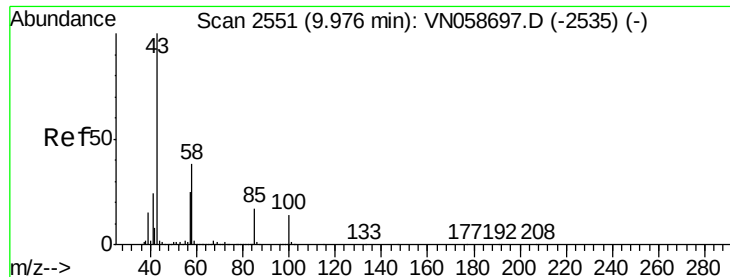
MMDadoda
 10/18/2019 3:25:45 PM



#50
 Toluene-d8
 Concen: 53.099 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	98	Resp	743008
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 322.296 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1786182

Ion Ratio Lower Upper

43 100

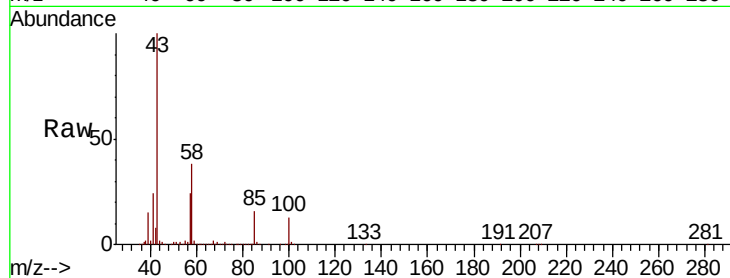
58 37.1 30.3 45.5

Manual Integrations

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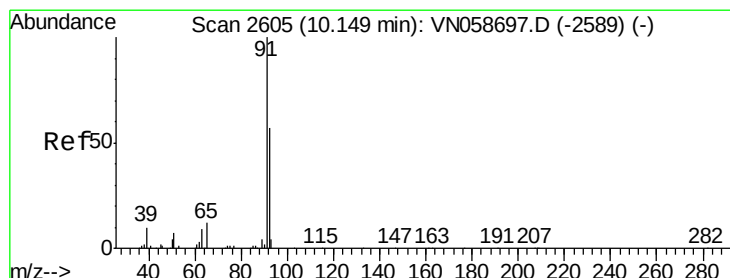
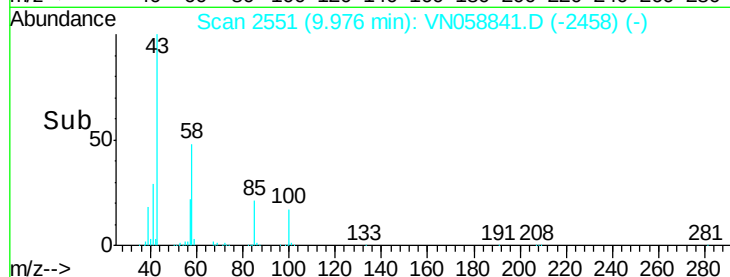
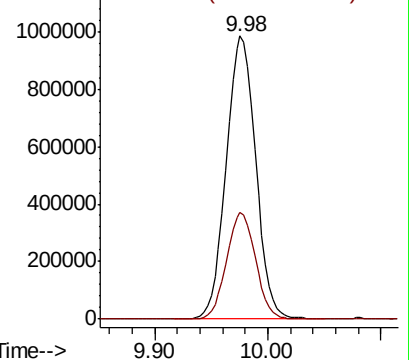
MMDadoda

10/18/2019 3:25:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 55.204 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058841.D

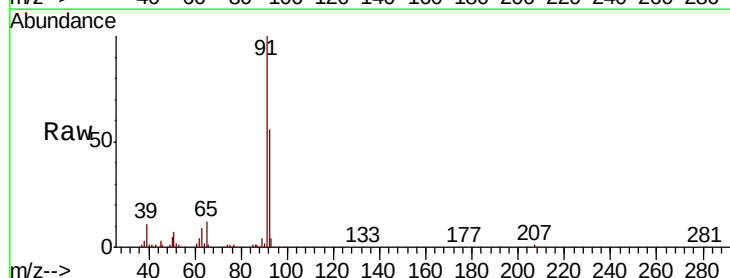
Acq: 17 Oct 2019 20:18

Tgt Ion: 92 Resp: 555417

Ion Ratio Lower Upper

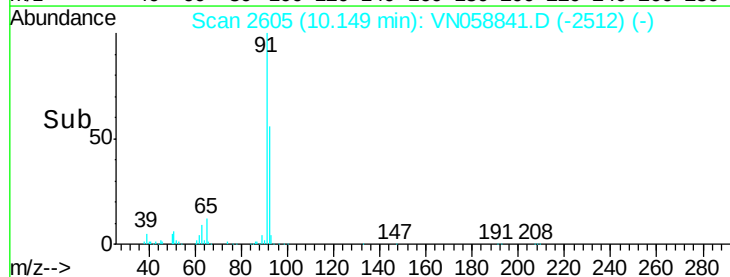
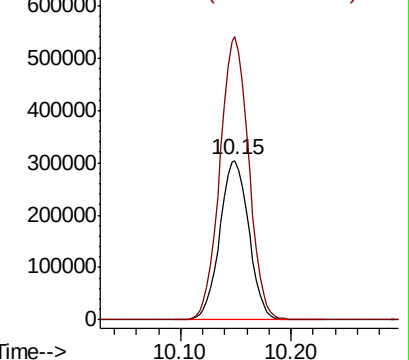
92 100

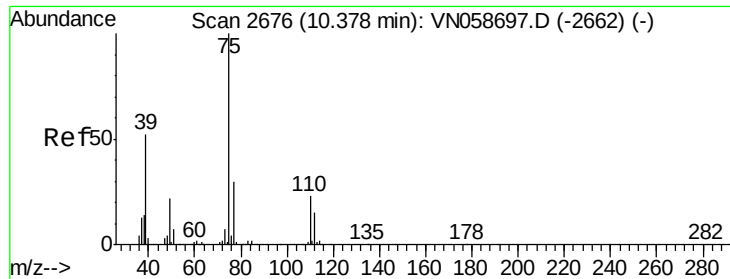
91 176.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





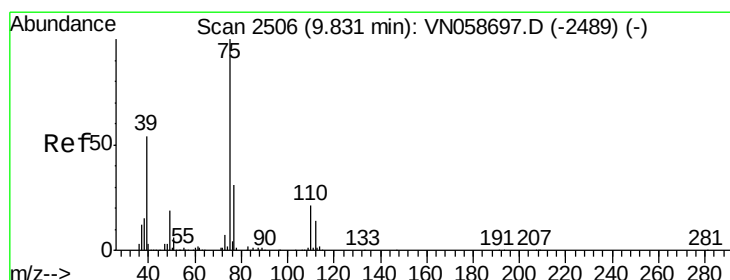
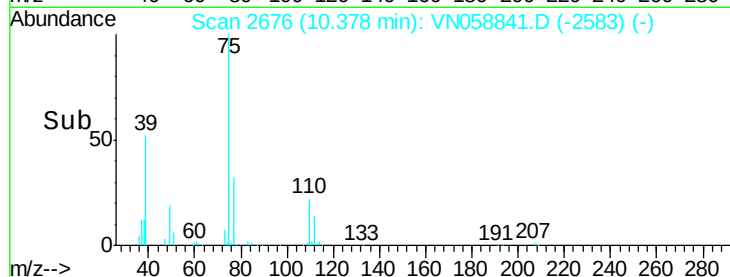
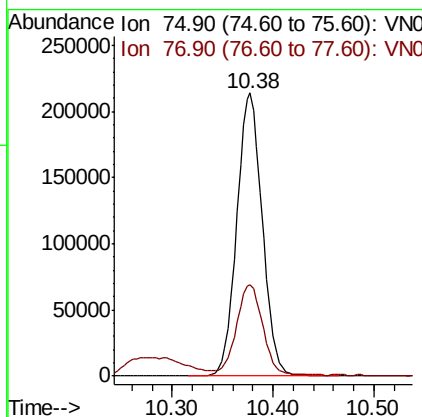
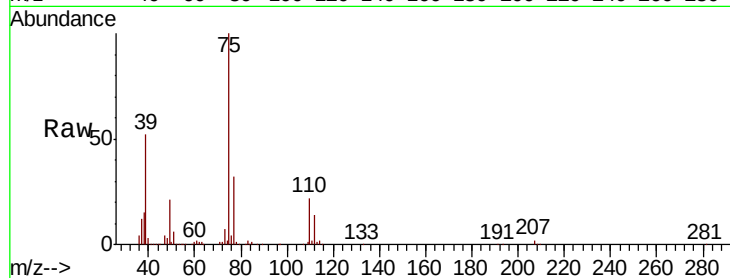
#53
t-1,3-Dichloropropene
Concen: 57.245 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 373290
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.4

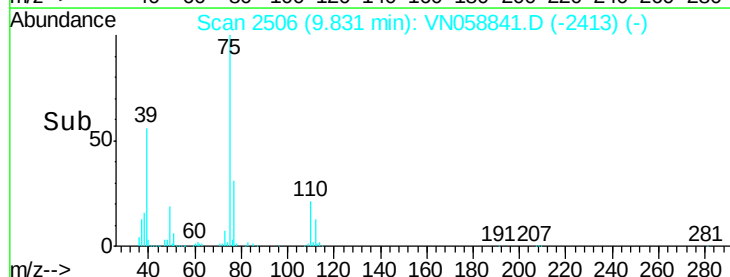
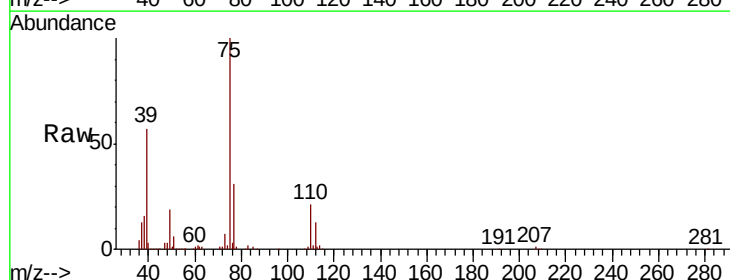
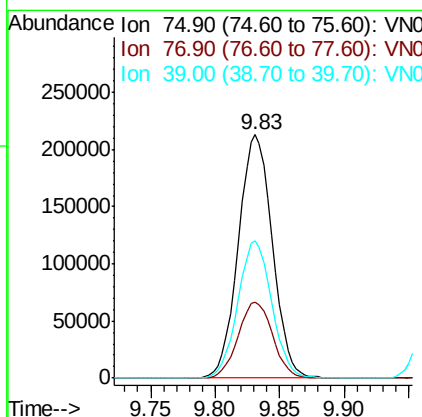
Manual Integrations
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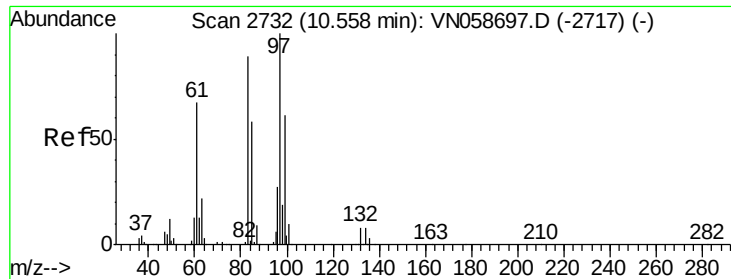
MMDadoda
10/18/2019 3:25:45 PM



#54
cis-1,3-Dichloropropene
Concen: 56.525 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 75 Resp: 391354
Ion Ratio Lower Upper
75 100
77 31.4 24.4 36.6
39 56.5 43.1 64.7





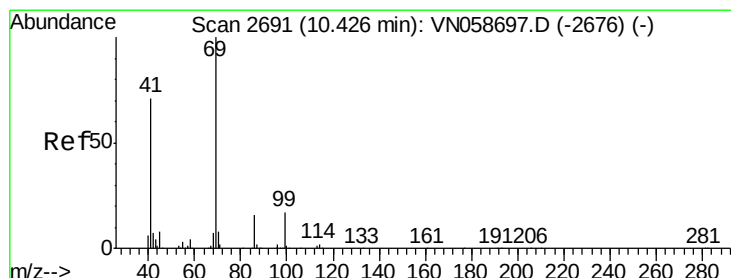
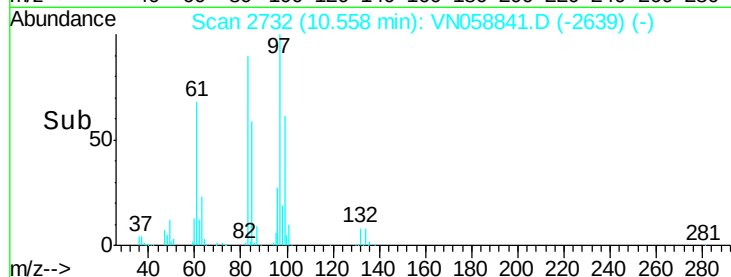
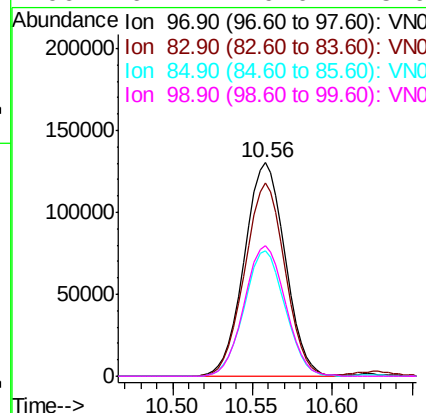
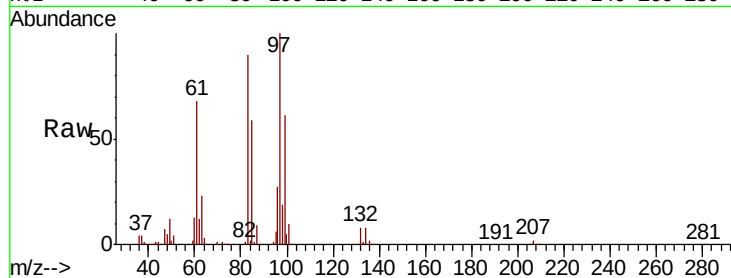
#55
 1,1,2-Trichloroethane
 Concen: 55.202 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		227322		
83	90.3	71.2	106.8		
85	58.9	46.7	70.1		
99	61.1	49.0	73.6		

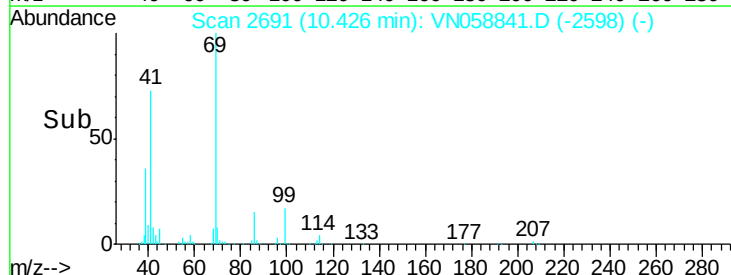
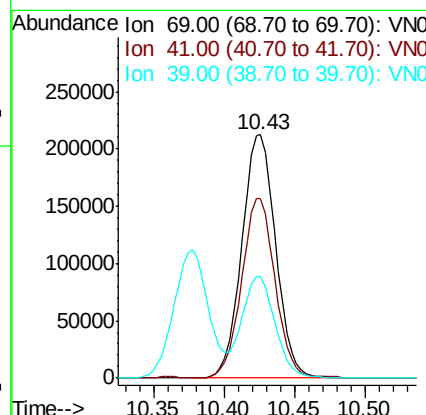
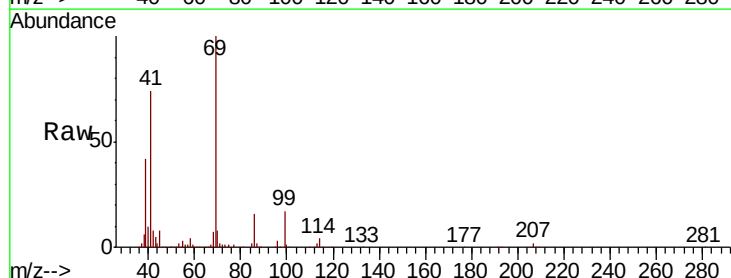
Manual Integrations
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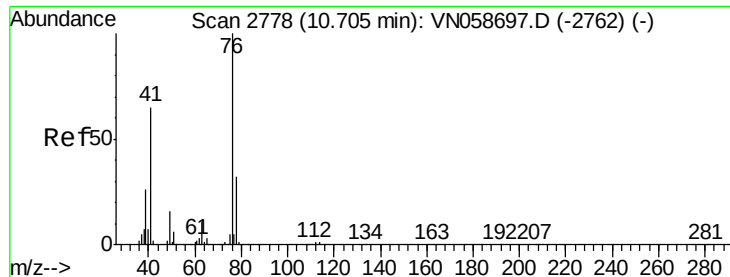
MMDadoda
 10/18/2019 3:25:45 PM



#56
 Ethyl methacrylate
 Concen: 59.508 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		358007		
41	72.0	56.8	85.2		
39	41.3	32.5	48.7		





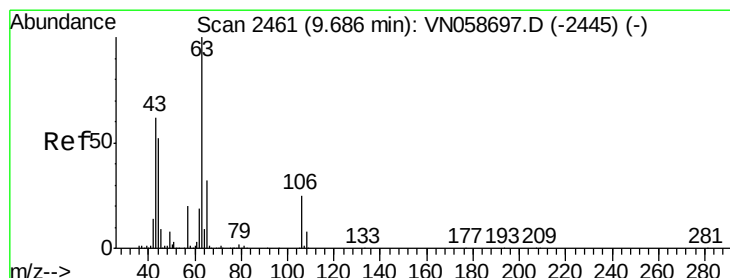
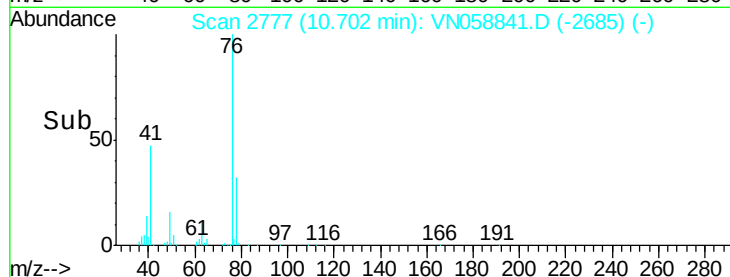
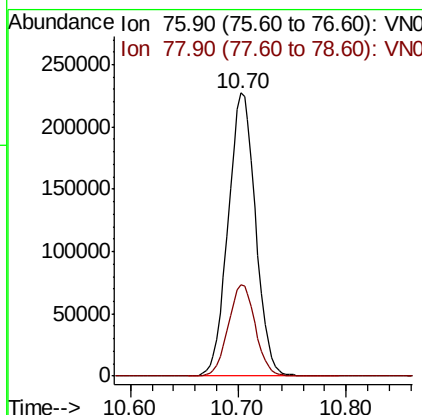
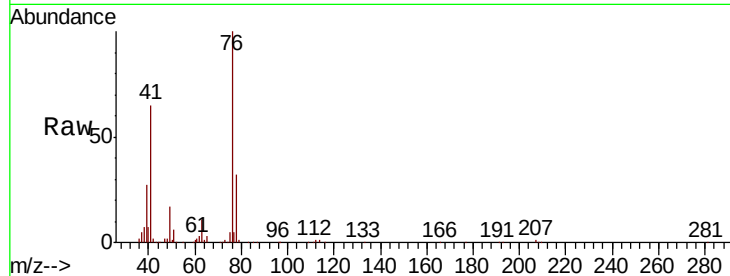
#57
 1,3-Dichloropropane
 Concen: 57.365 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

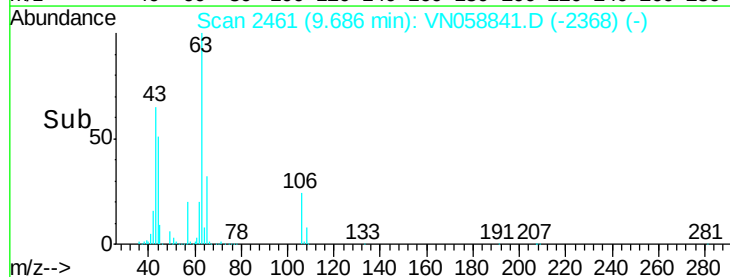
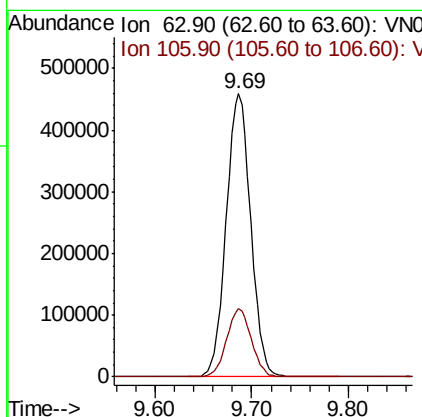
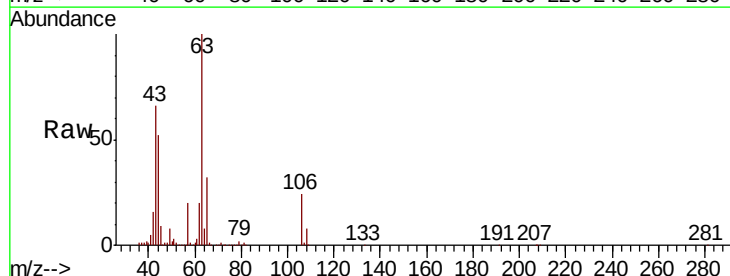
Manual Integrations
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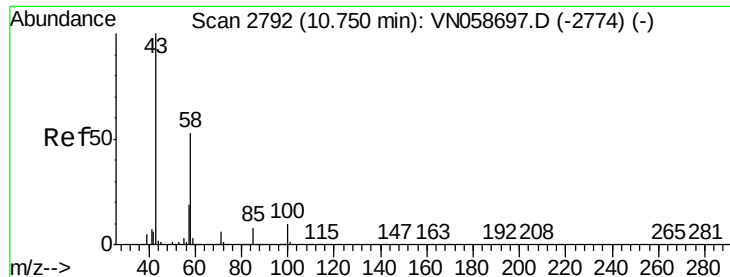
MMDadoda
 10/18/2019 3:25:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.264 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	20.0	30.0





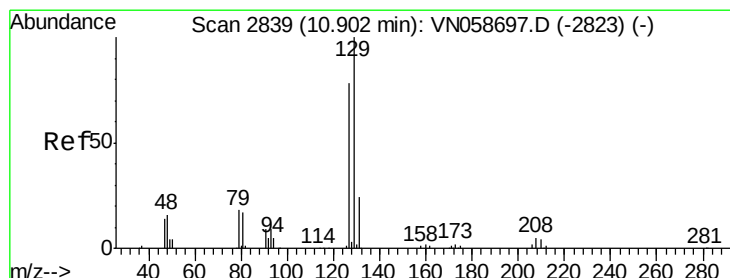
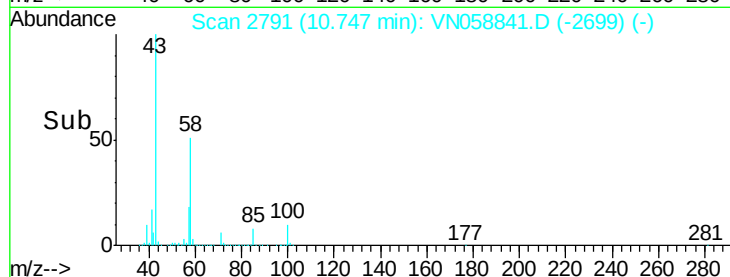
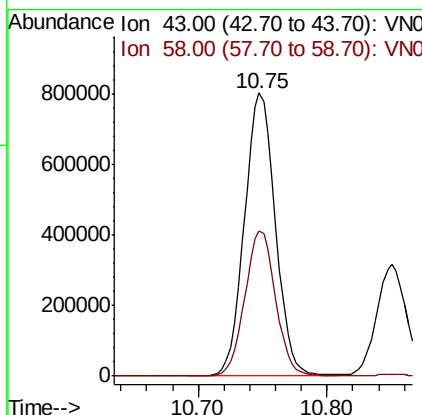
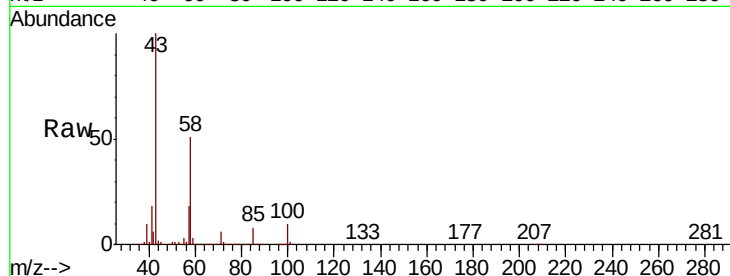
#59
2-Hexanone
Concen: 312.833 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1339840
Ion Ratio Lower Upper
43 100
58 51.2 26.1 78.3

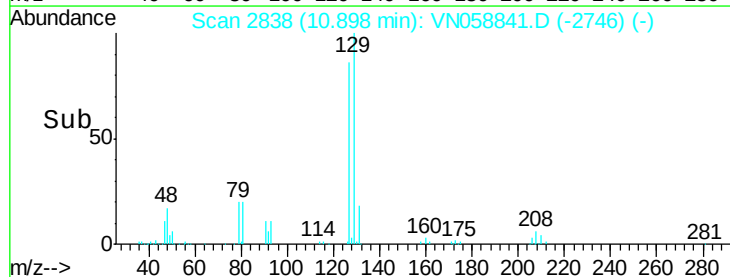
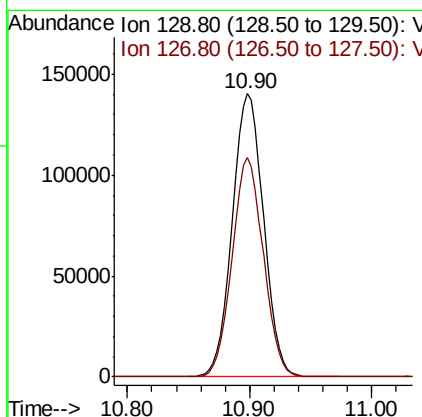
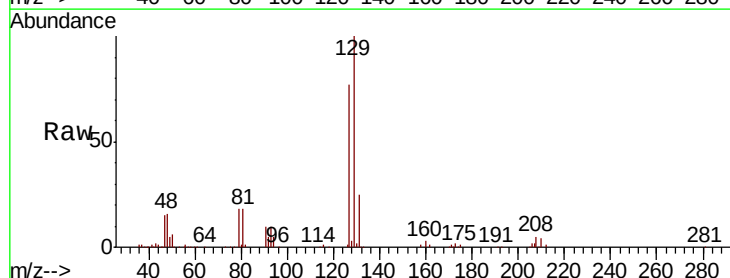
Manual Integrations
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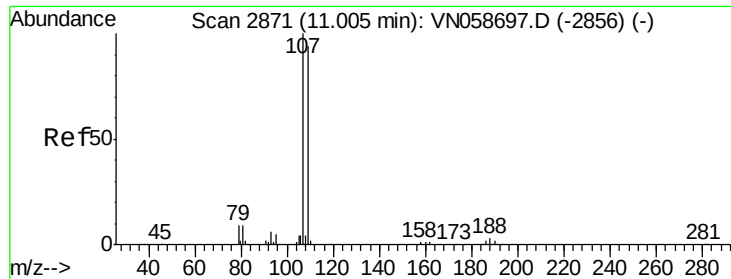
MMDadoda
10/18/2019 3:25:45 PM



#60
Dibromochloromethane
Concen: 58.843 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 129 Resp: 249965
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





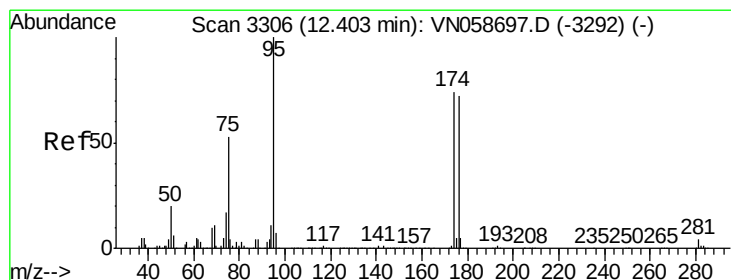
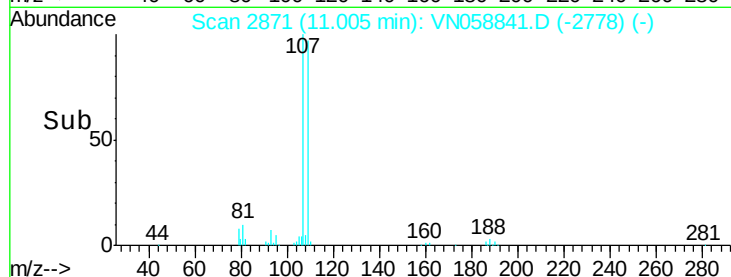
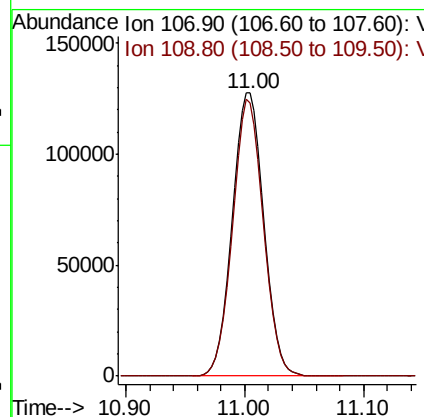
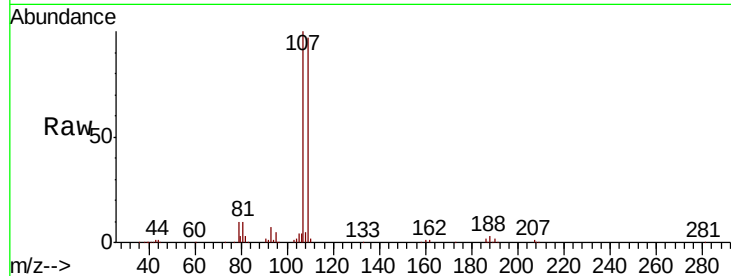
#61
 1,2-Dibromoethane
 Concen: 56.677 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.0

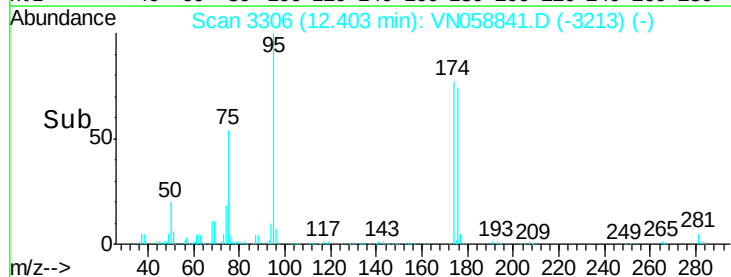
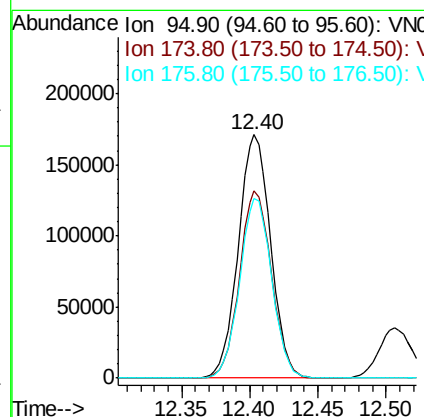
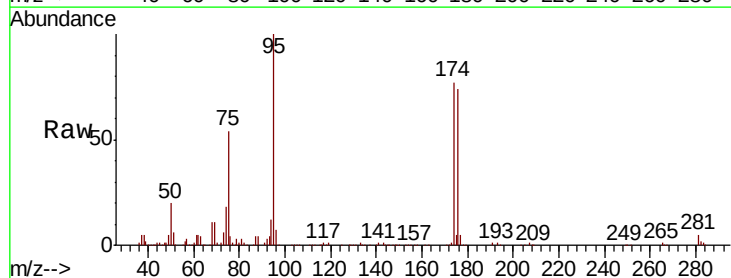
Manual Integrations
 APPROVED

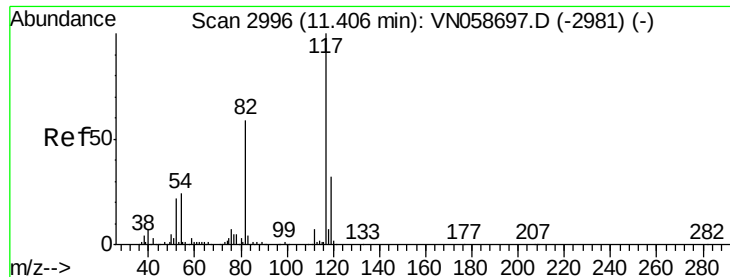
MMDadoda
 10/18/2019 3:25:45 PM



#62
 4-Bromofluorobenzene
 Concen: 53.072 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.4
176	73.5	0.0	146.8





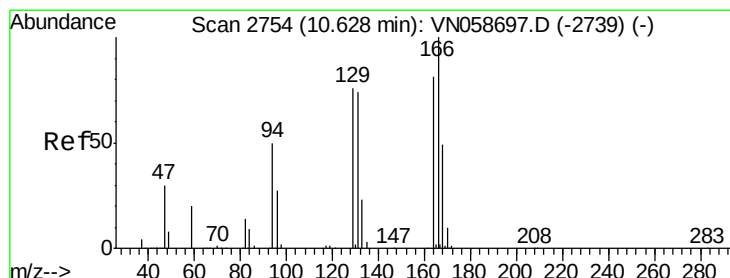
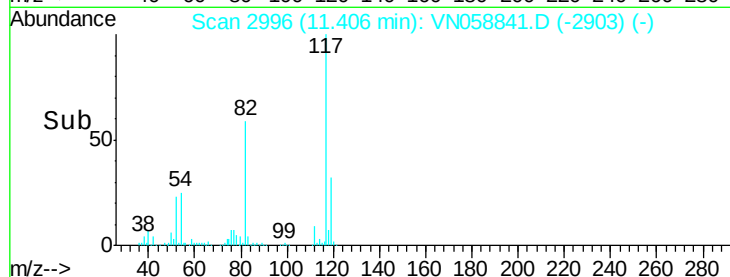
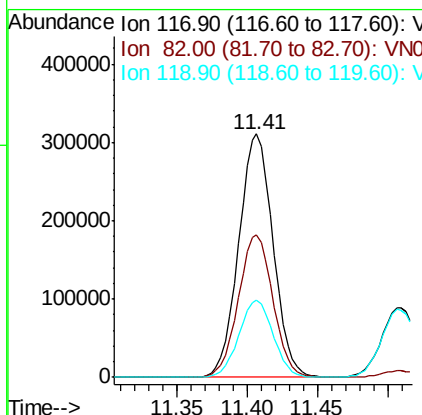
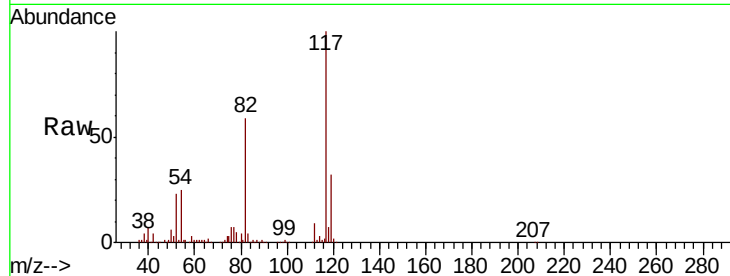
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.0	70.4
119	31.8	25.4	38.2

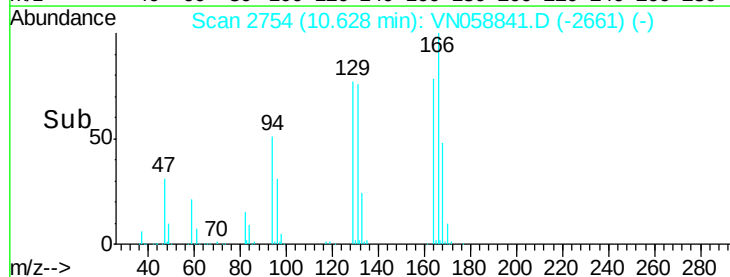
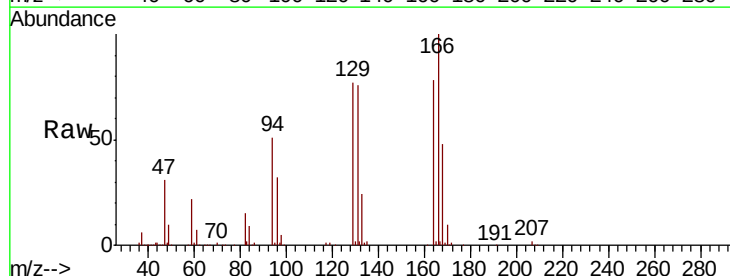
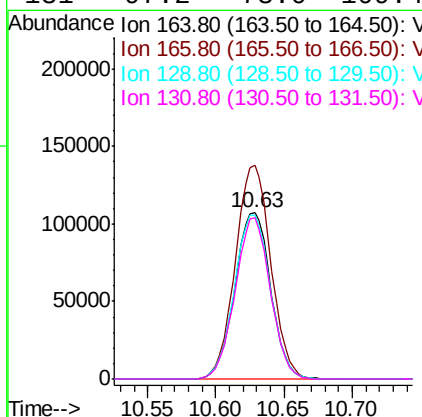
Manual Integrations
APPROVED

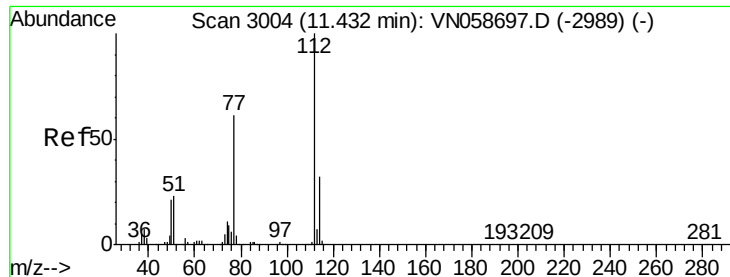
MMDadoda
10/18/2019 3:25:45 PM



#64
Tetrachloroethene
Concen: 52.658 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	99.3	148.9
129	98.7	75.2	112.8
131	97.2	73.0	109.4





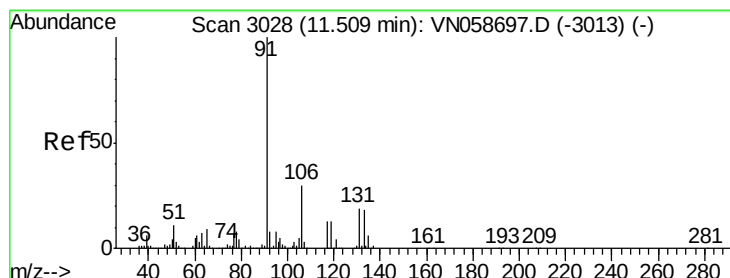
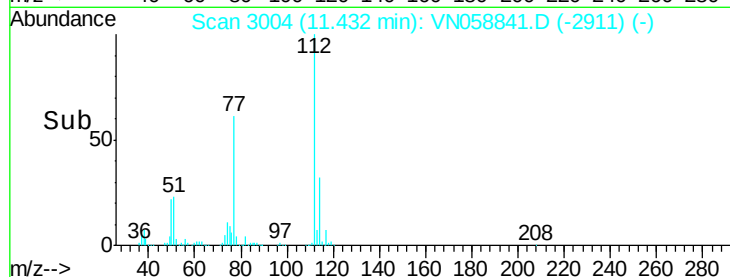
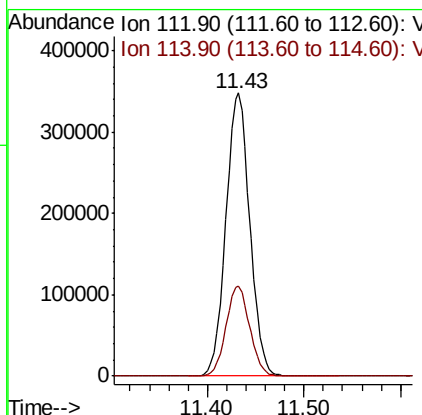
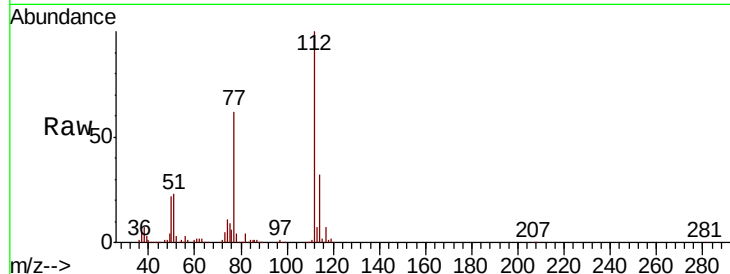
#65
Chlorobenzene
Concen: 55.190 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 595493
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

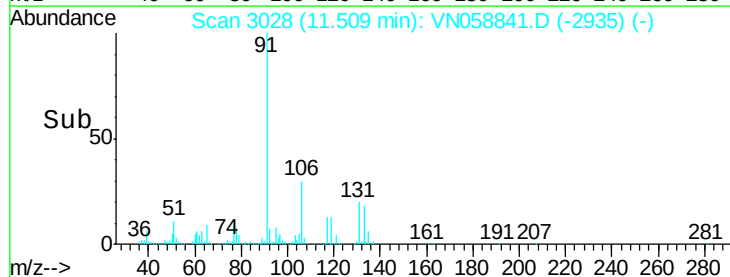
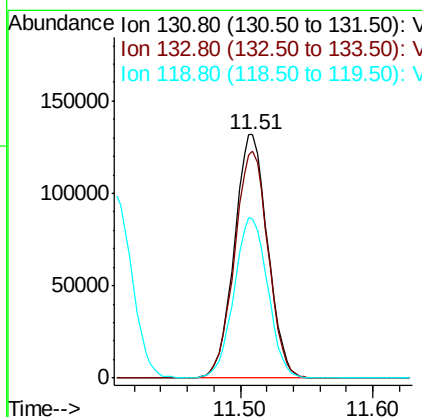
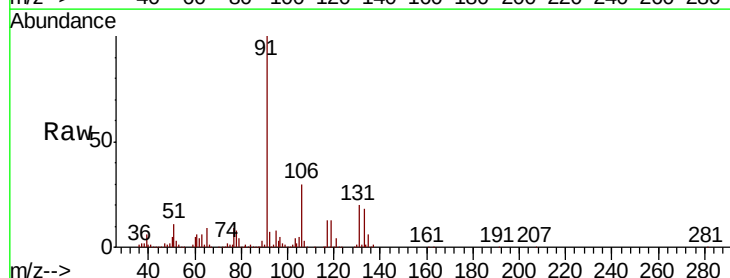
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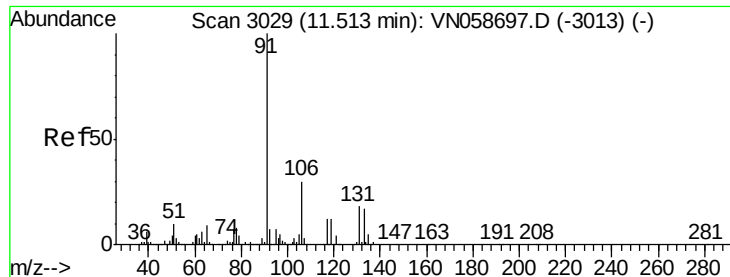
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.529 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion:131 Resp: 229530
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 66.7 33.0 98.9





#67

Ethyl Benzene

Concen: 56.971 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1095765

Ion Ratio Lower Upper

91 100

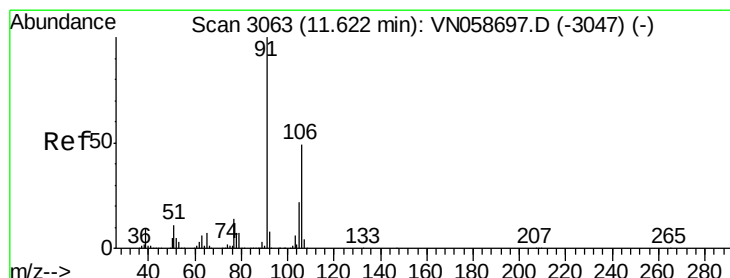
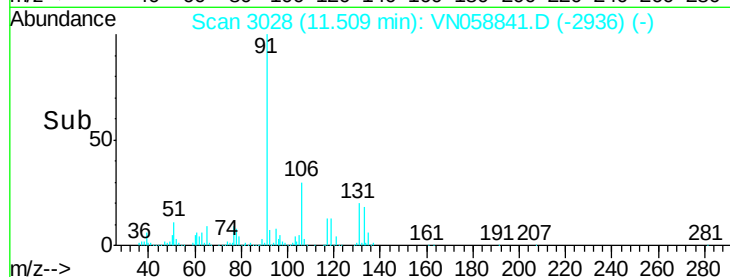
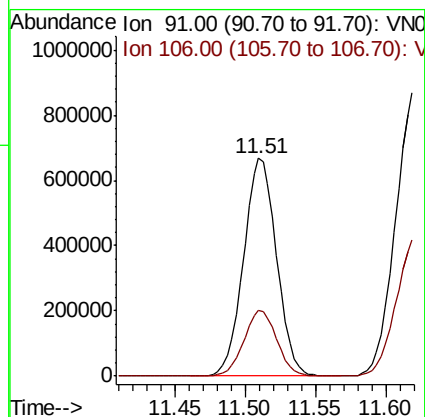
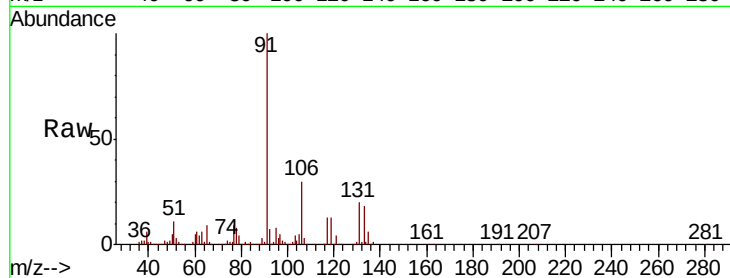
106 30.0 24.1 36.1

Manual Integrations

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MMDadoda

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#68

m/p-Xylenes

Concen: 112.238 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058841.D

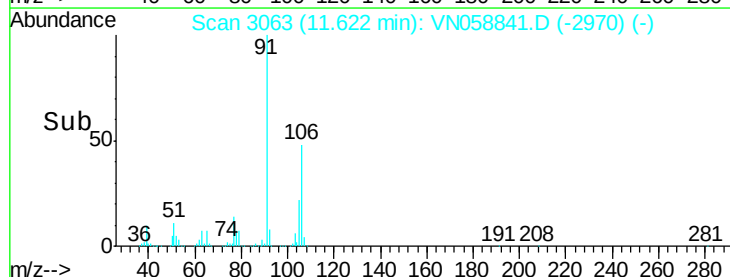
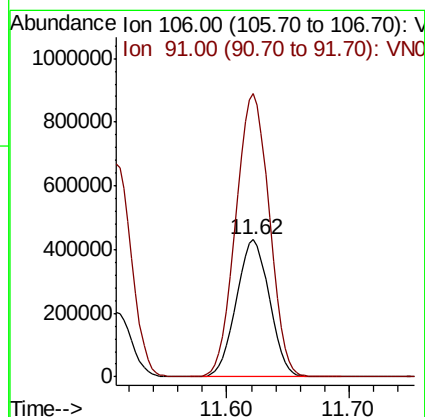
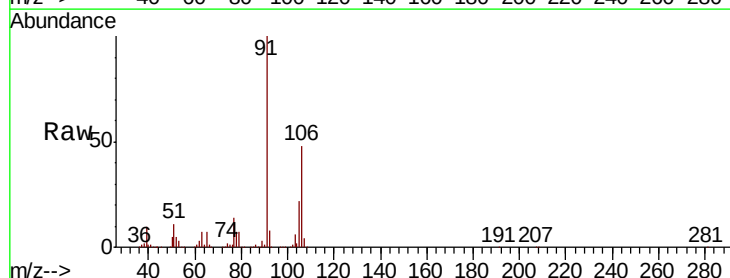
Acq: 17 Oct 2019 20:18

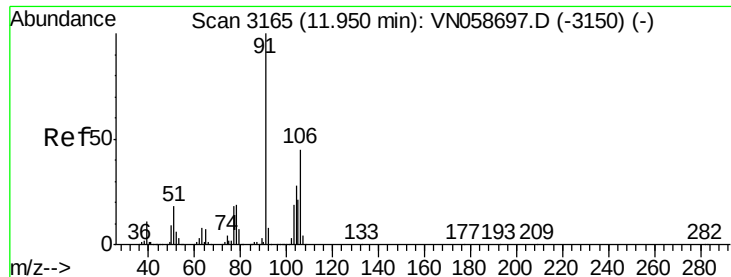
Tgt Ion: 106 Resp: 810124

Ion Ratio Lower Upper

106 100

91 209.1 165.7 248.5





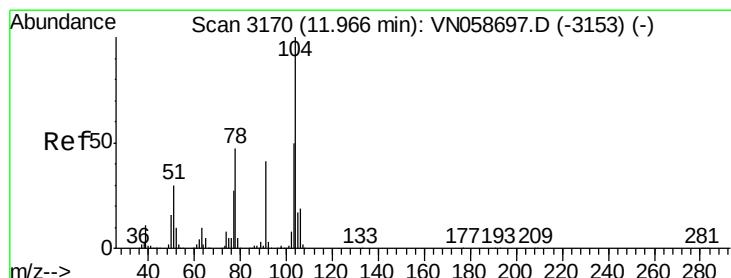
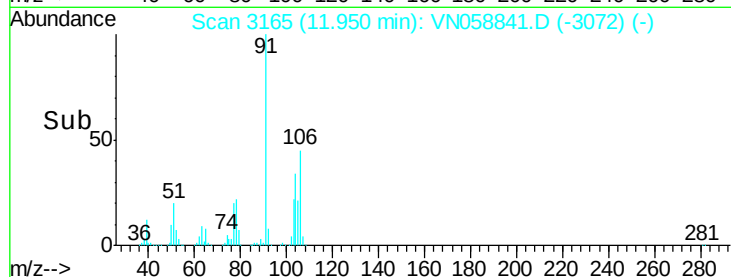
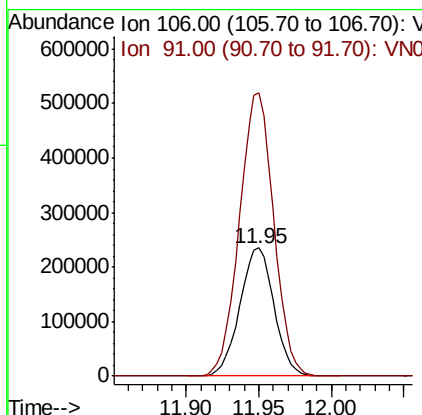
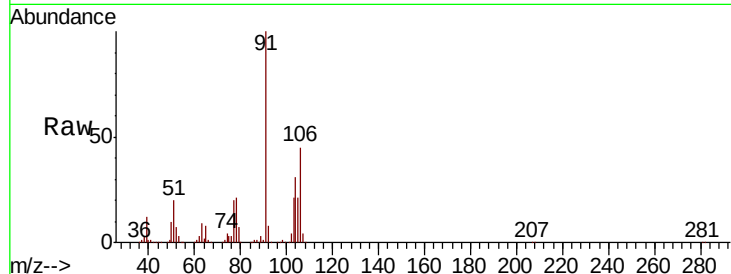
#69
o-Xylene
Concen: 55.297 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	221.2	110.9	386165		332.9

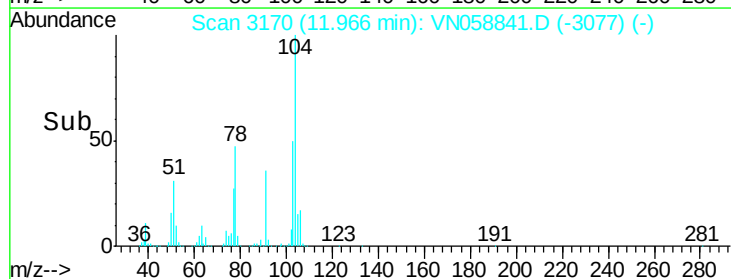
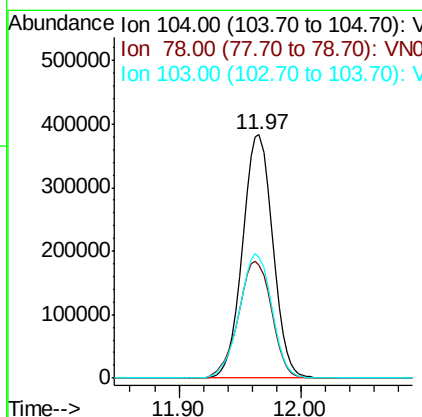
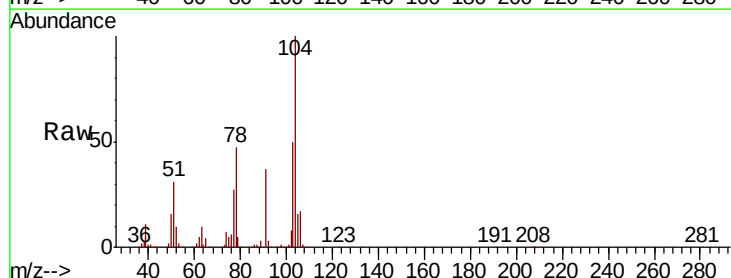
Manual Integrations
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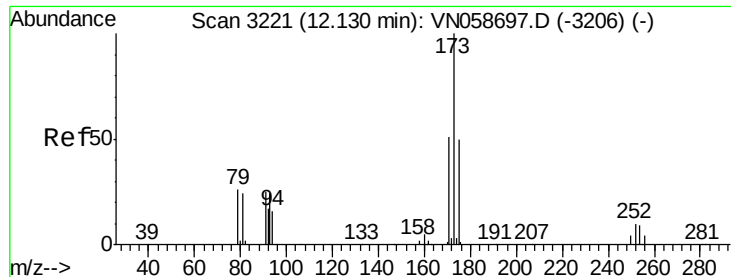
MMDadoda
10/18/2019 3:25:45 PM



#70
Styrene
Concen: 57.009 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.5	42.2	652521		63.2
103	55.2	43.7			65.5





#71

Bromoform

Concen: 61.205 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

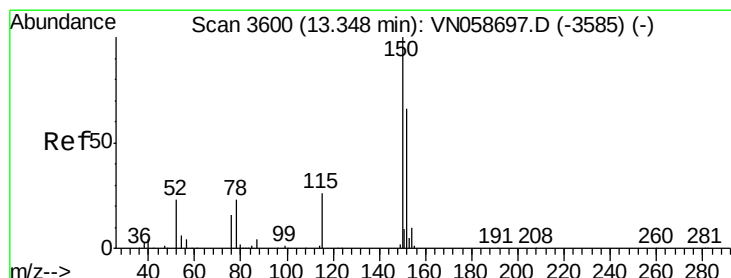
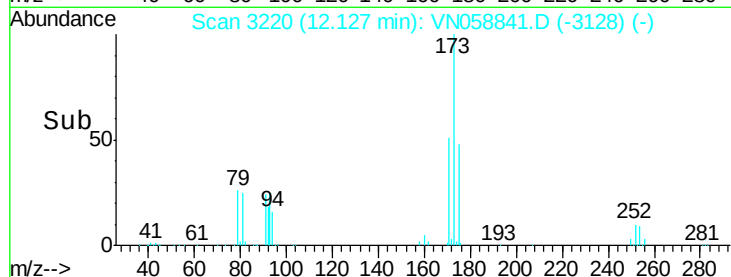
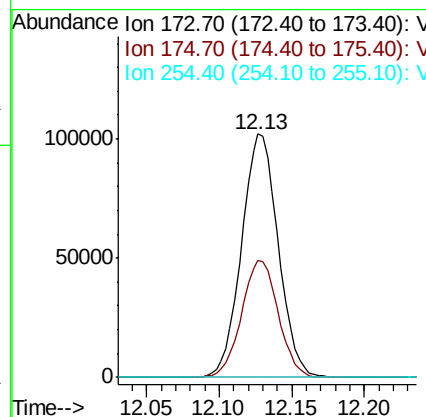
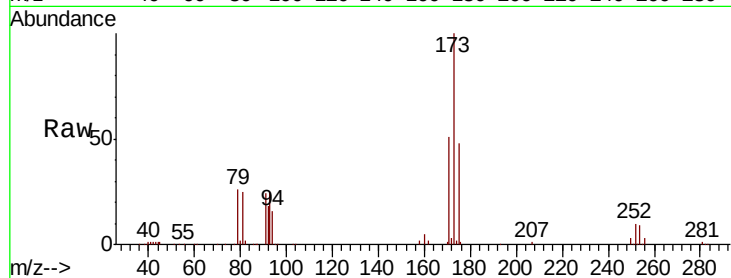
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	178994
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

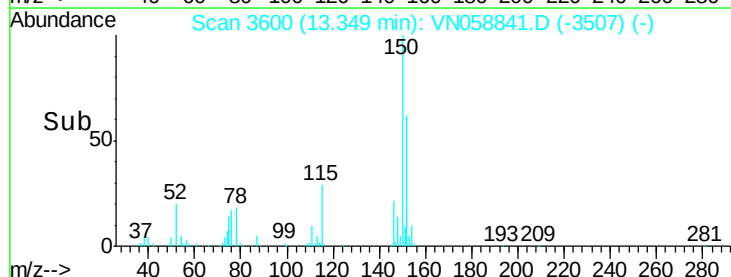
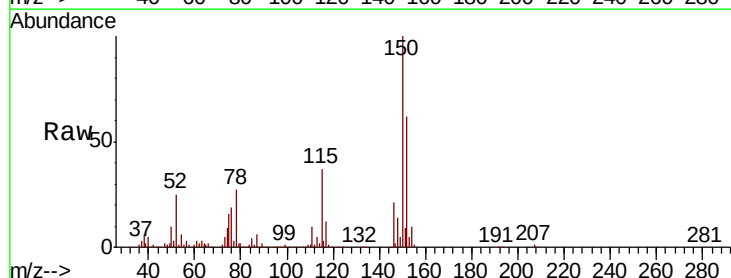
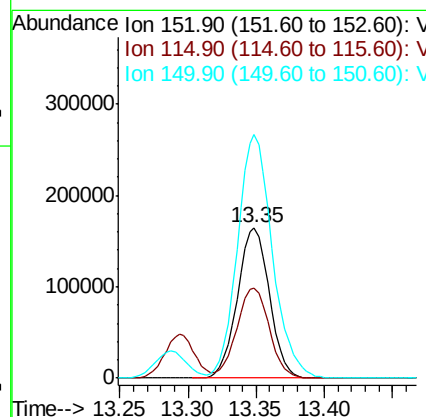
RT: 13.35 min Scan# 3600

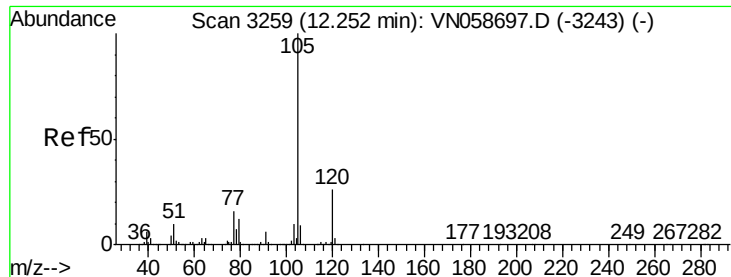
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	152	Resp:	267790
Ion Ratio	Lower	Upper	
152	100		
115	60.7	30.4	91.2
150	176.6	0.0	345.4





#73

Isopropylbenzene

Concen: 55.245 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1071421

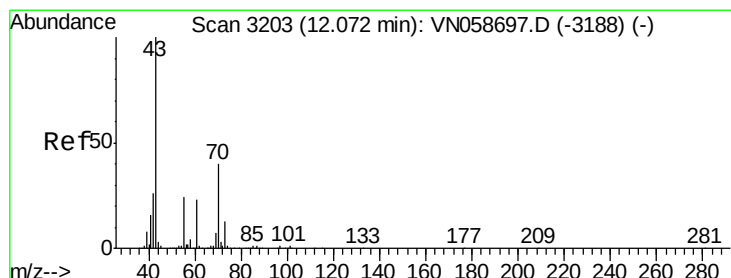
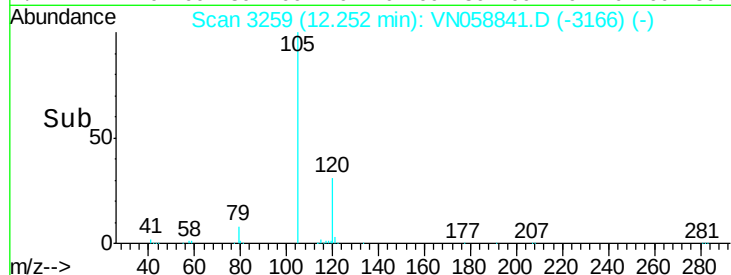
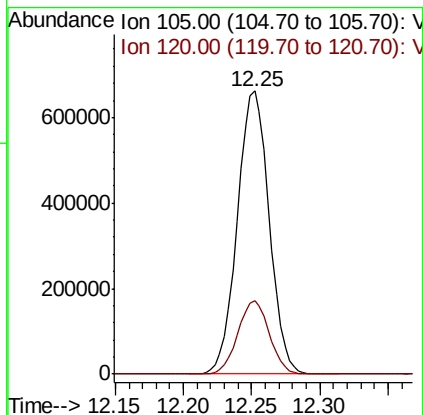
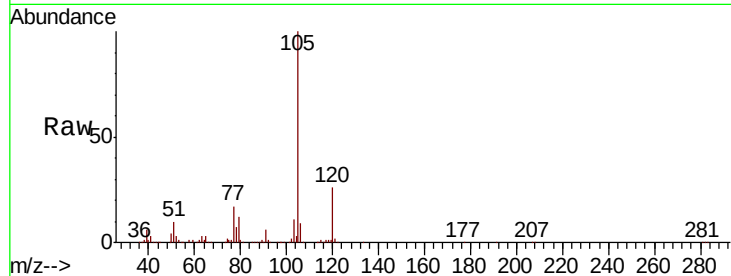
Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.1

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#74

N-ethyl acetate

Concen: 57.859 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion: 43 Resp: 503981

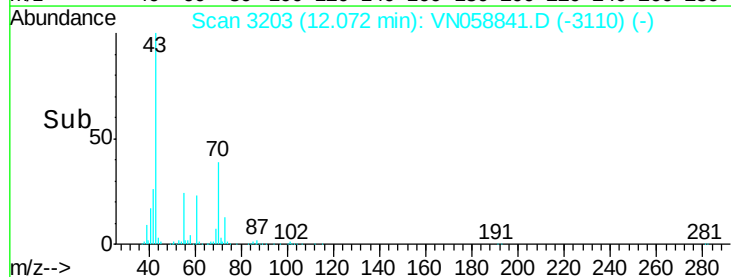
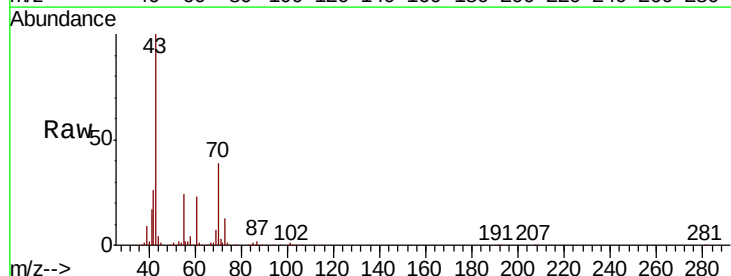
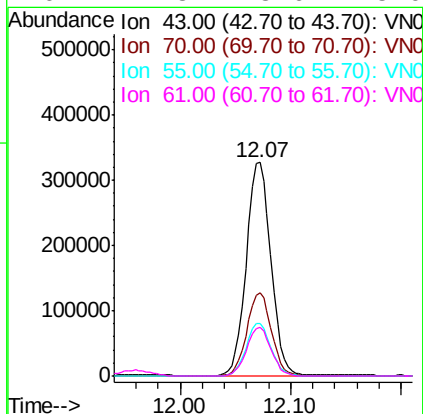
Ion Ratio Lower Upper

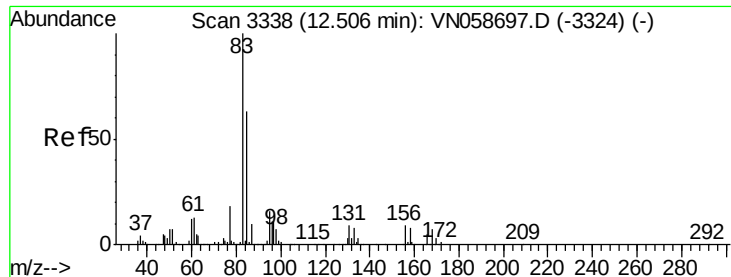
43 100

70 39.0 32.2 48.4

55 25.0 19.6 29.4

61 22.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.781 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

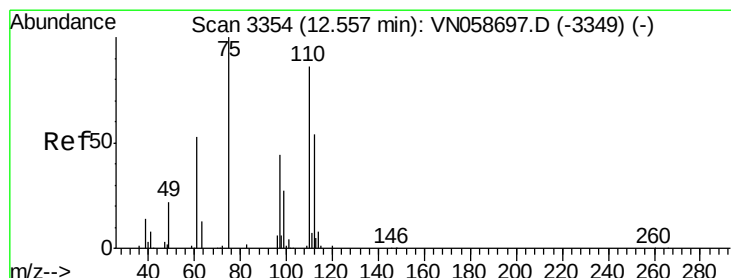
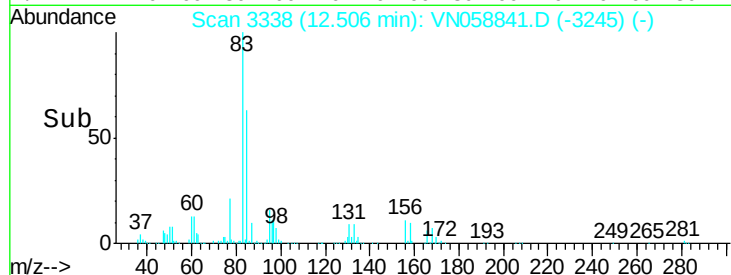
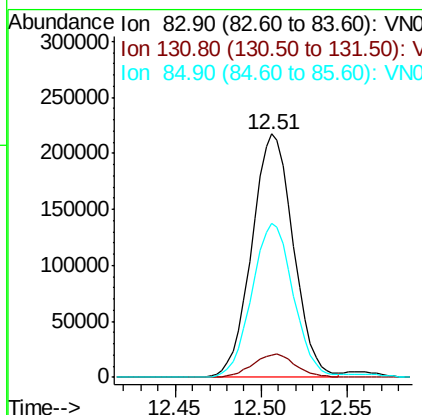
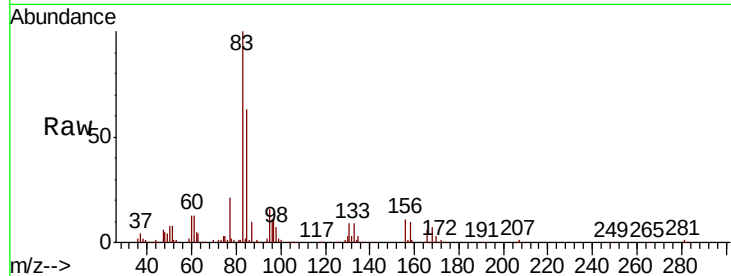
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	362769
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	63.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.407 ug/l m

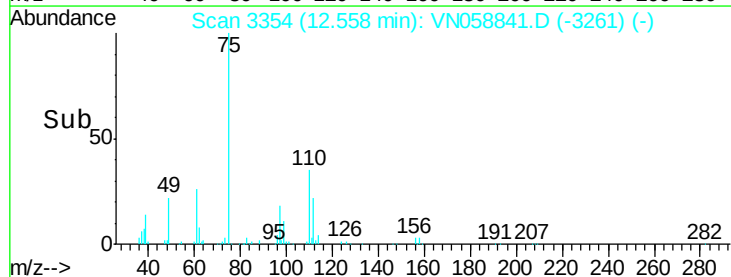
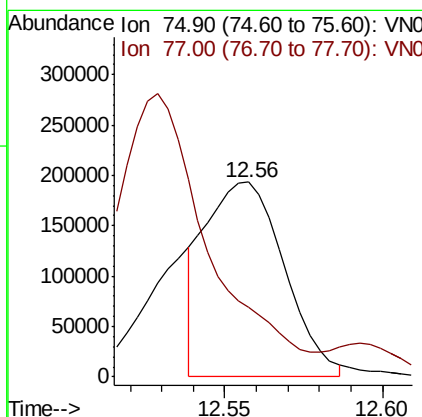
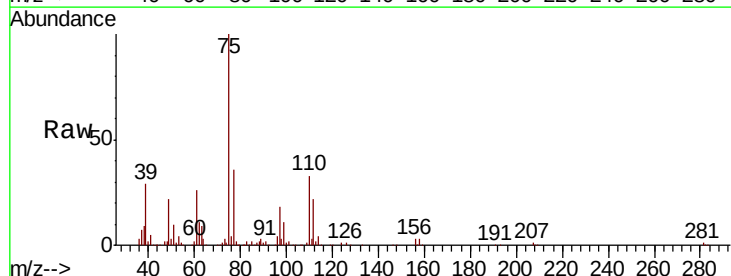
RT: 12.56 min Scan# 3354

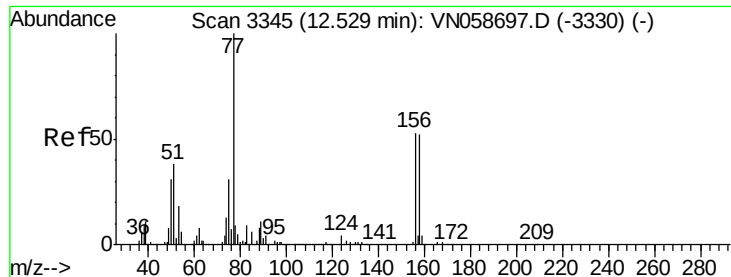
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	75	Resp:	337248
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.076 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

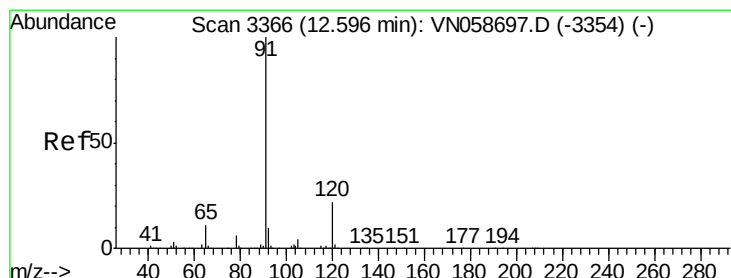
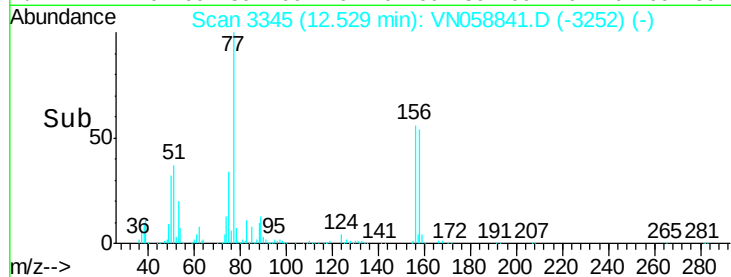
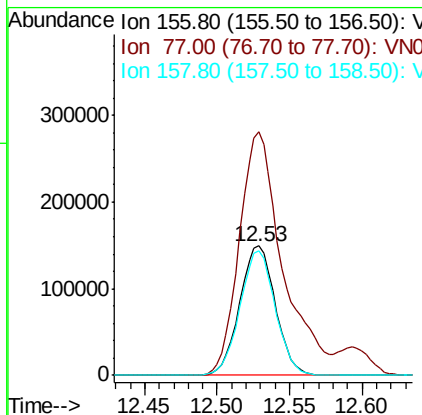
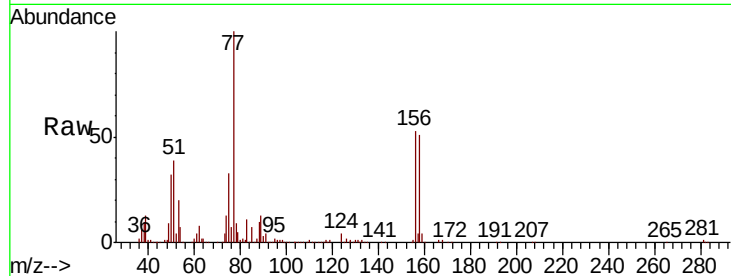
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	255091
Ion Ratio	Lower	Upper	
156	100		
77	230.1	115.8	347.3
158	95.1	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 56.046 ug/l

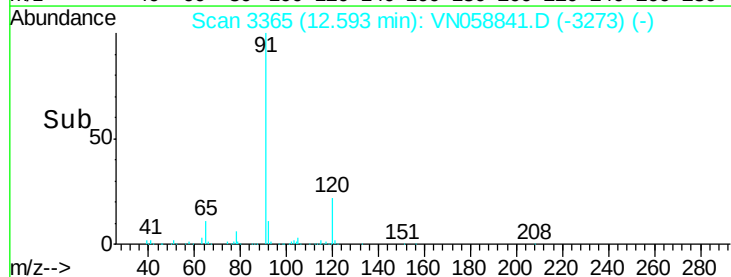
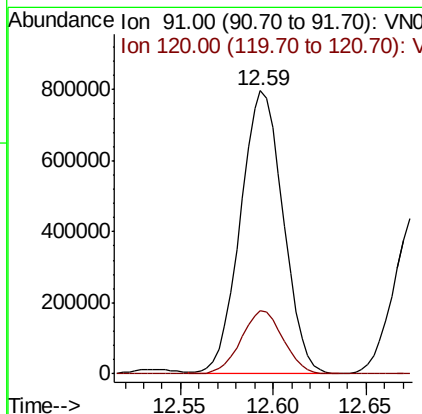
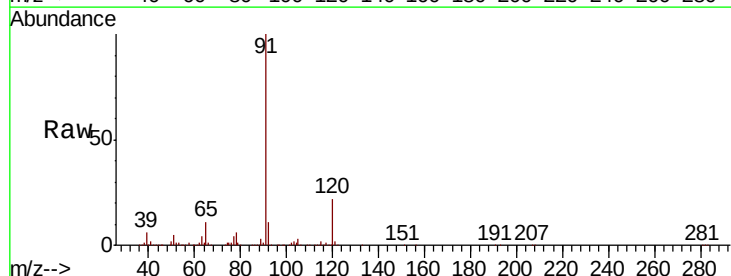
RT: 12.59 min Scan# 3365

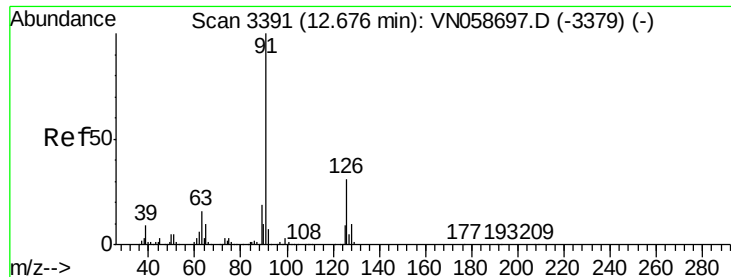
Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	91	Resp:	1266591
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 53.467 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 749967

Ion Ratio Lower Upper

91 100

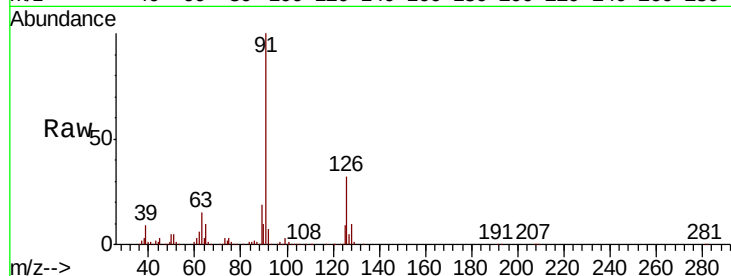
126 32.0 16.2 48.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058841.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058841.D (-3298) (-)

800000

600000

400000

200000

0

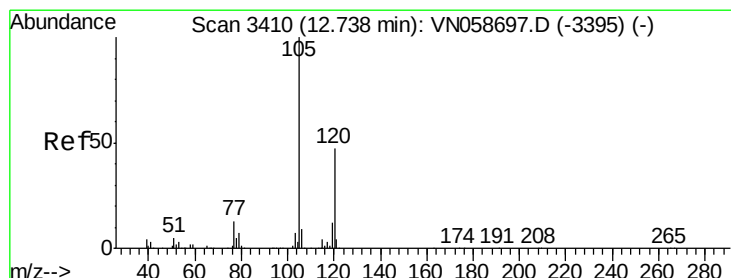
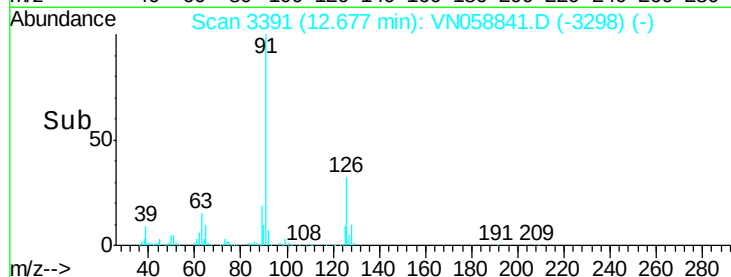
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.563 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058841.D

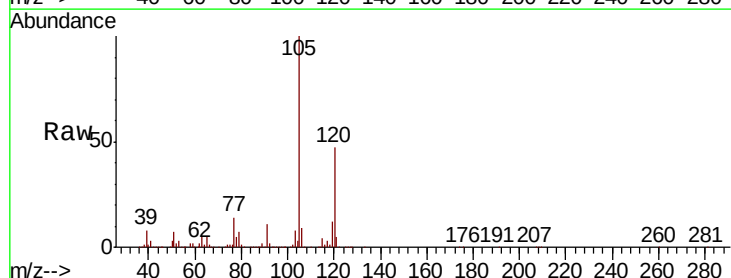
Acq: 17 Oct 2019 20:18

Tgt Ion: 105 Resp: 919986

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058841.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058841.D (-3317) (-)

600000

400000

200000

0

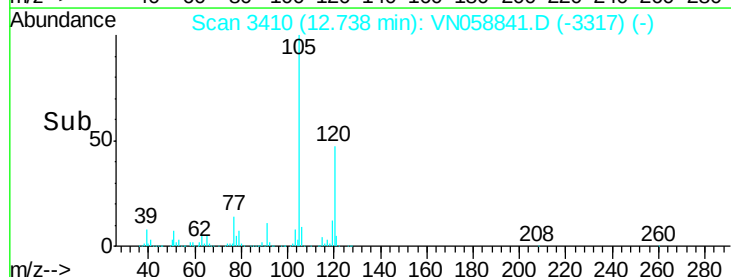
12.74

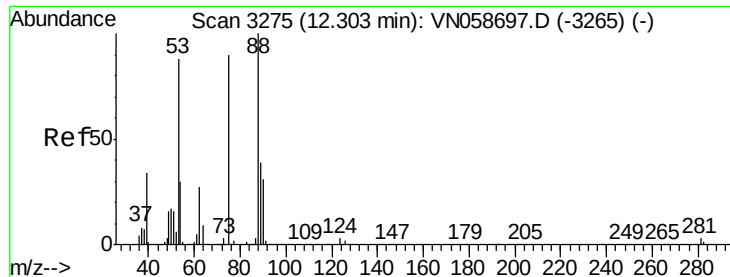
12.60

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 55.535 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

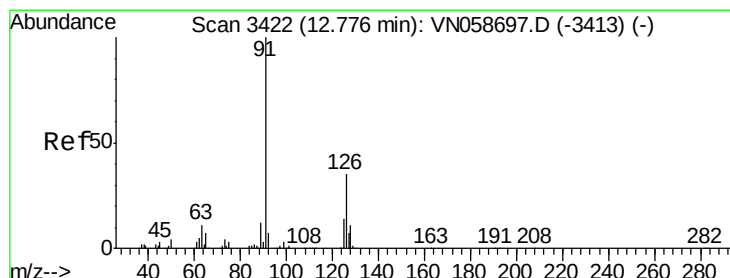
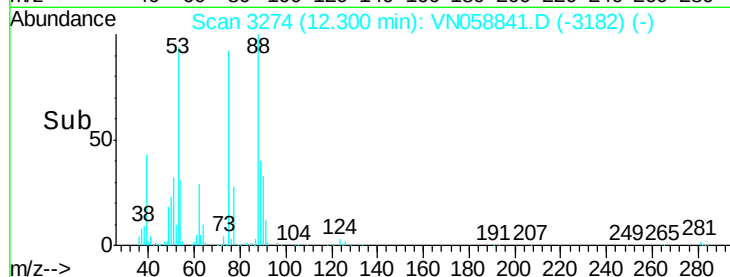
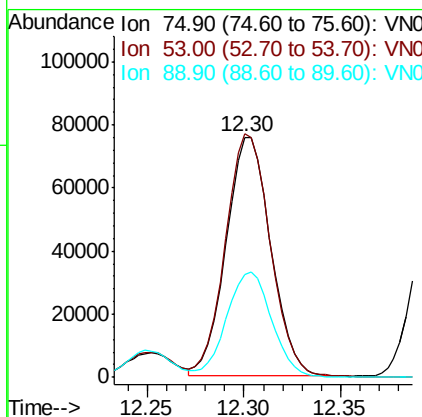
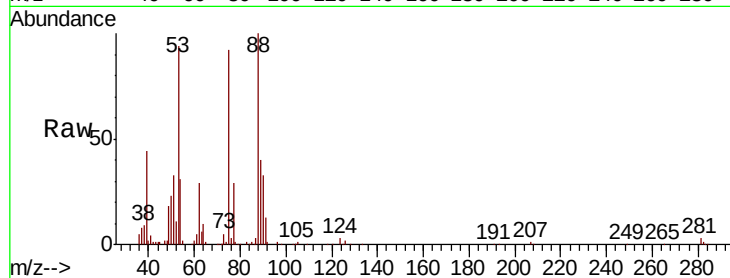
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	121794
Ion Ratio	Lower	Upper	
75	100		
53	103.3	78.4	117.6
89	44.6	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.819 ug/l

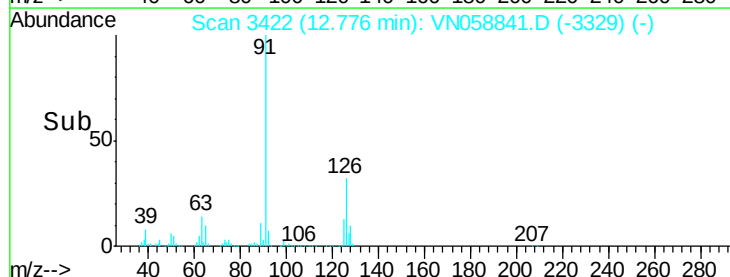
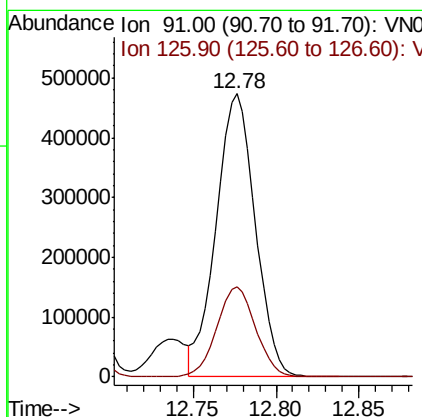
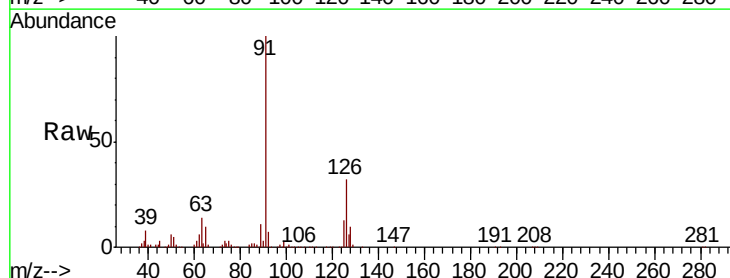
RT: 12.78 min Scan# 3422

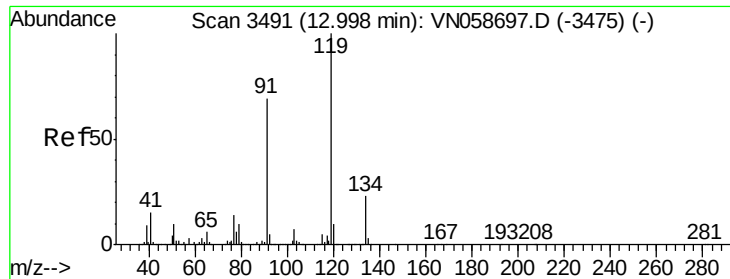
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	91	Resp:	774653
Ion Ratio	Lower	Upper	
91	100		
126	31.6	15.9	47.6





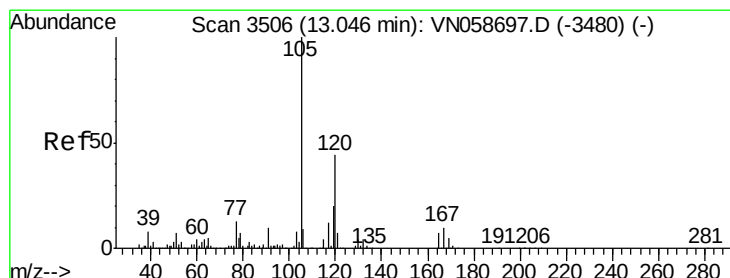
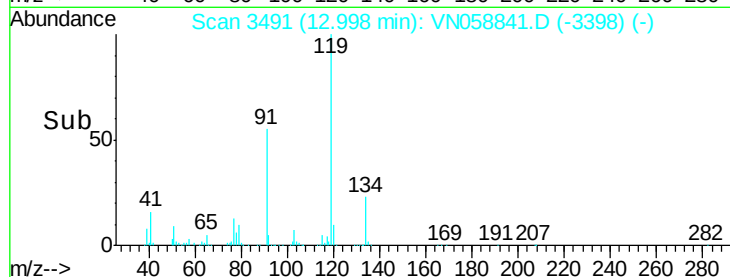
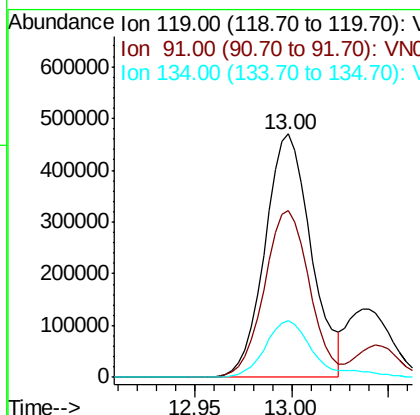
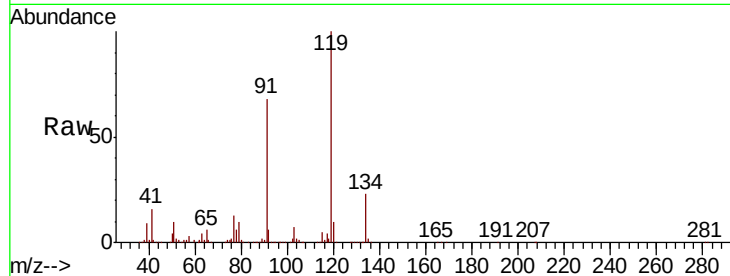
#83
 tert-Butylbenzene
 Concen: 54.869 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.8	101.3
134	24.7	12.6	37.6

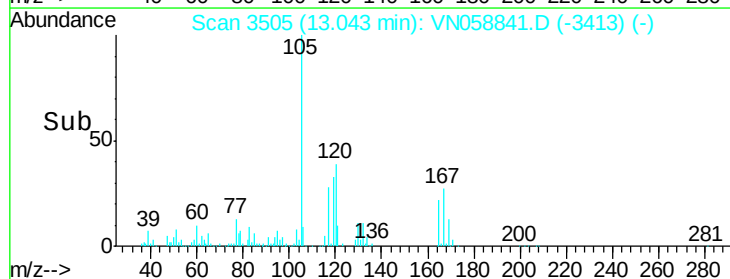
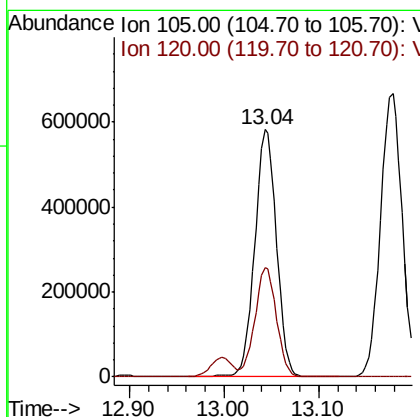
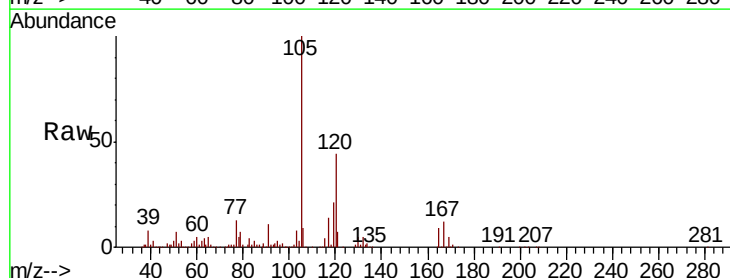
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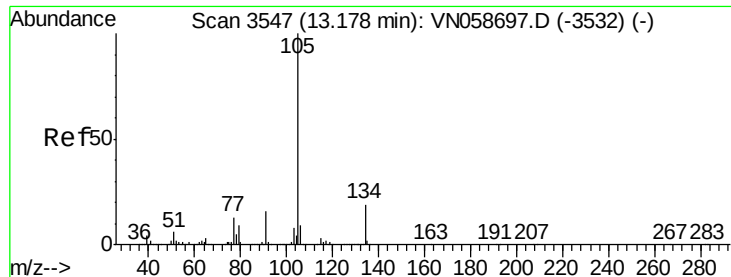
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.368 ug/l
 RT: 13.04 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





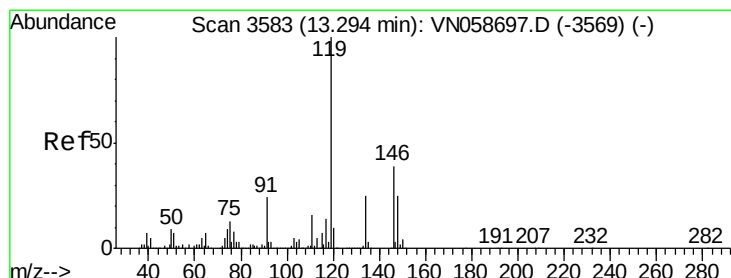
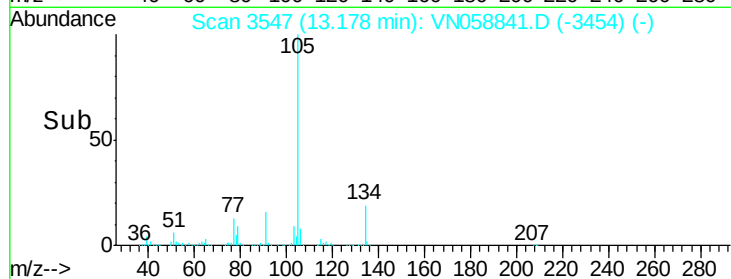
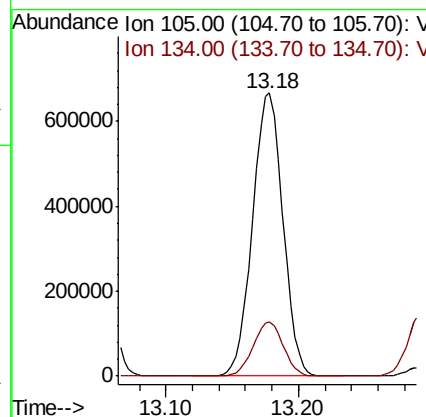
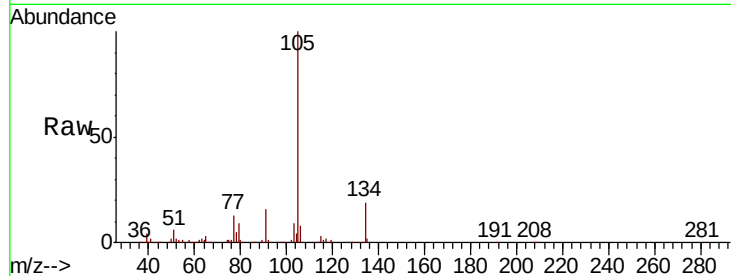
#85
 sec-Butylbenzene
 Concen: 56.592 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1057722
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.7 29.1

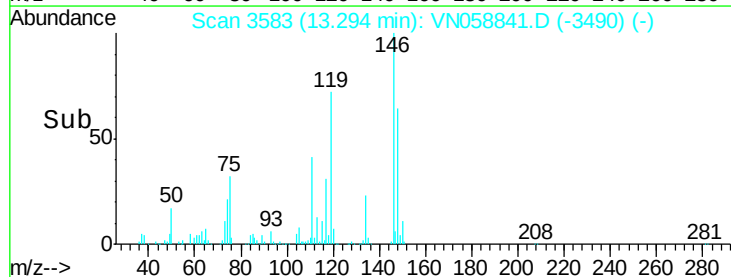
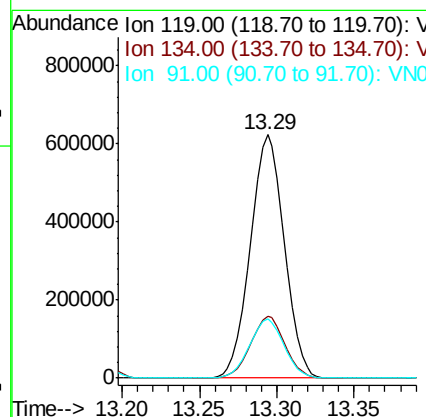
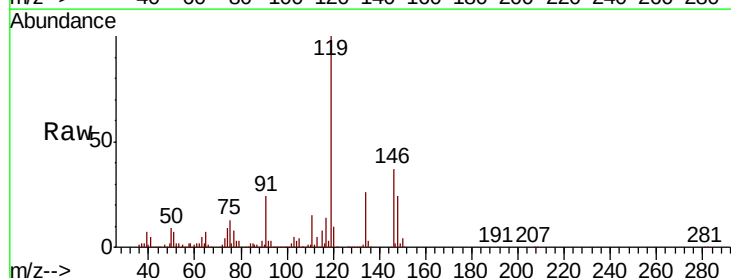
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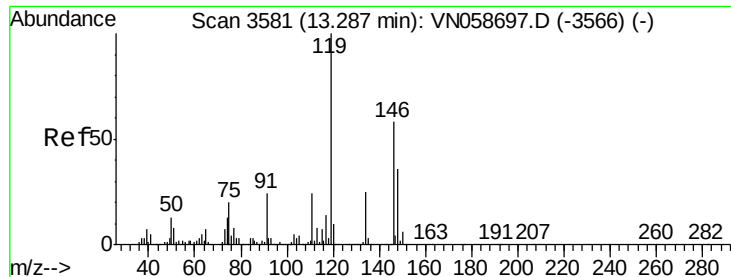
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#86
 p-Isopropyltoluene
 Concen: 56.055 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion:119 Resp: 952196
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 24.5 11.9 35.5





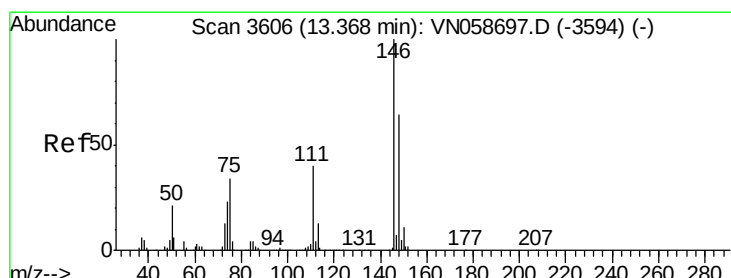
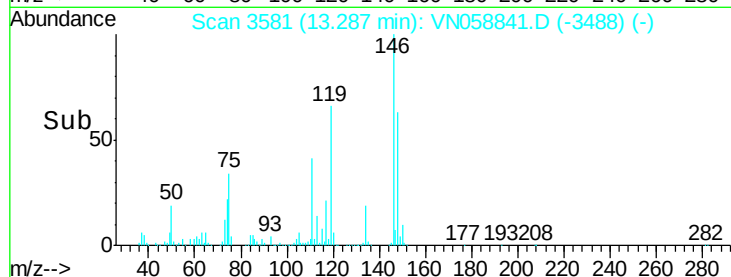
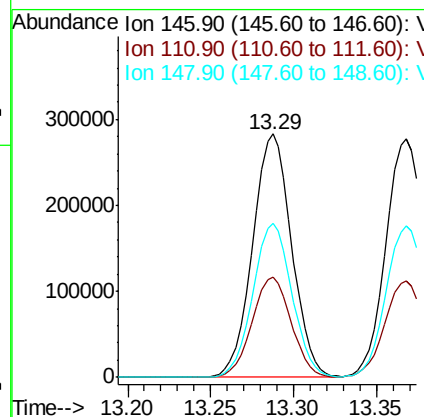
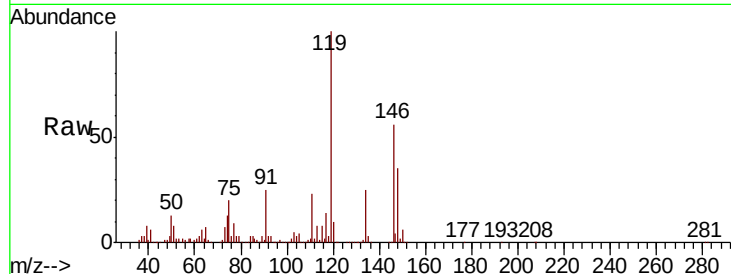
#87
 1,3-Dichlorobenzene
 Concen: 53.111 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	63.4	31.3	93.9

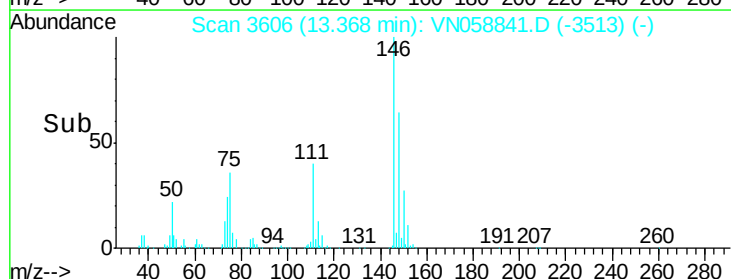
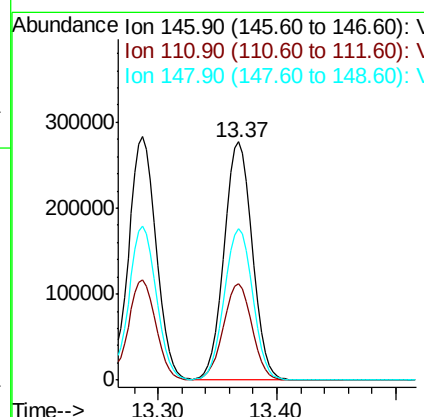
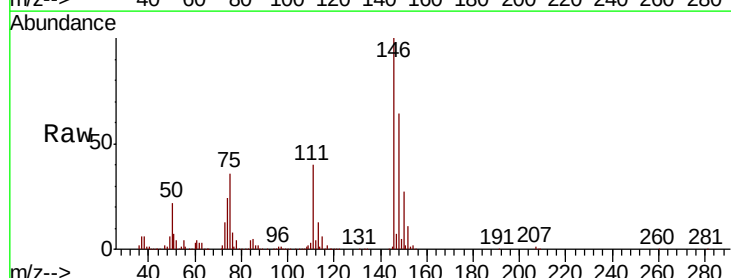
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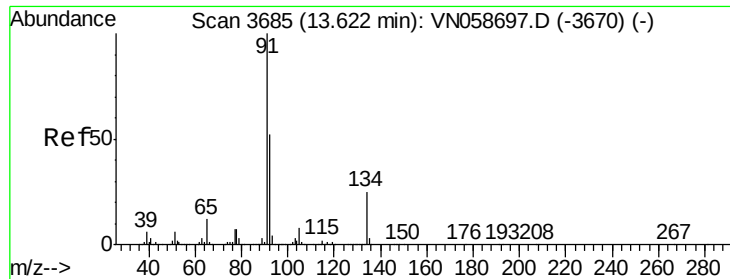
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#88
 1,4-Dichlorobenzene
 Concen: 51.616 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.2
148	64.3	31.9	95.7





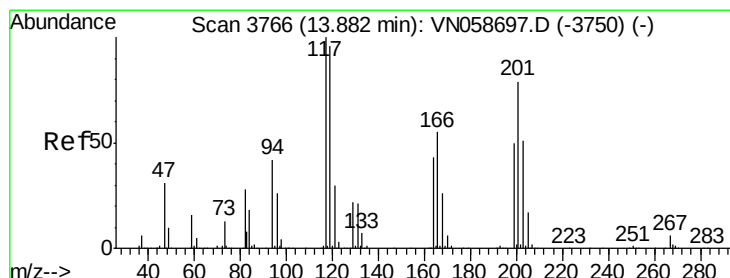
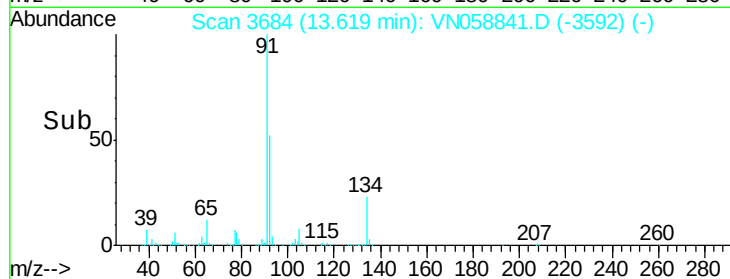
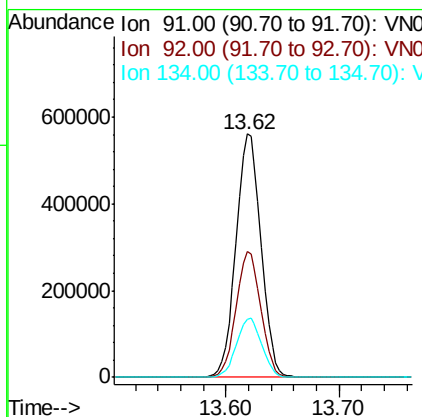
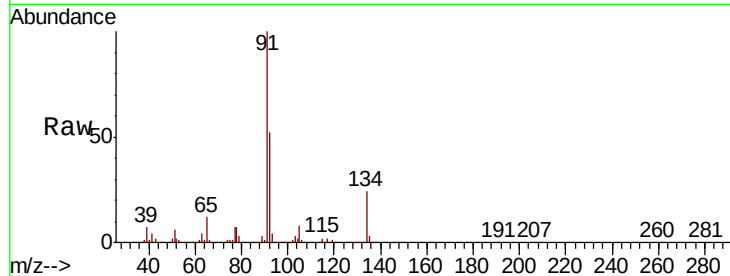
#89
n-Butylbenzene
Concen: 55.082 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.0	26.0	78.0	
134	24.3	12.2	36.6	

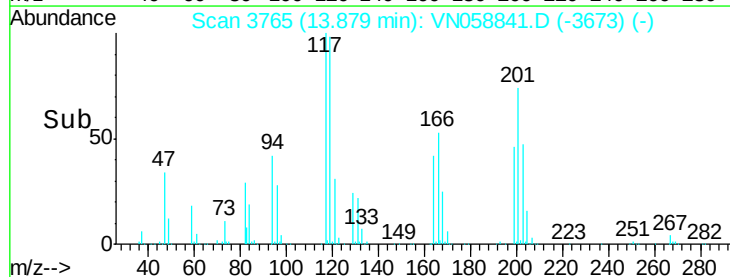
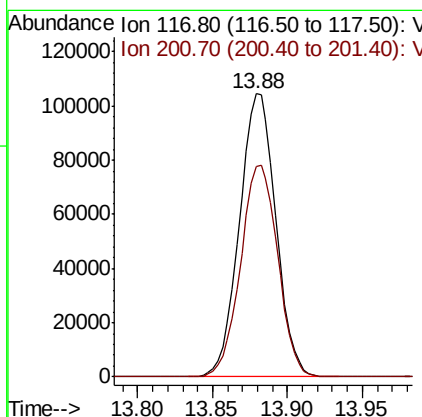
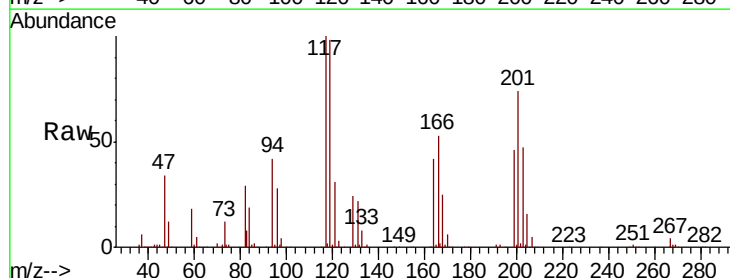
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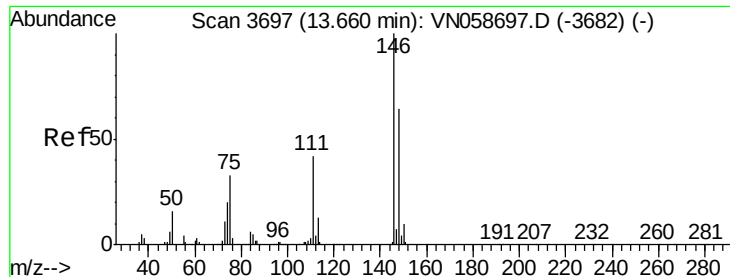
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#90
Hexachloroethane
Concen: 58.167 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	76.2	39.6	118.7	





#91

1,2-Dichlorobenzene

Concen: 53.987 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

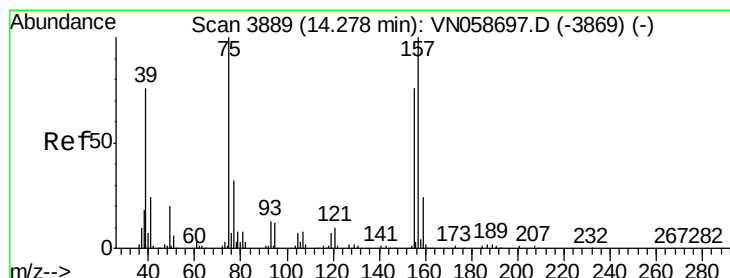
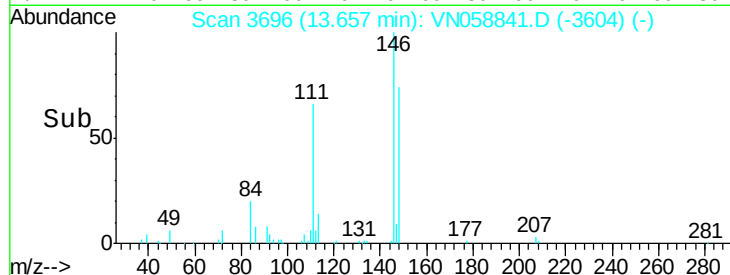
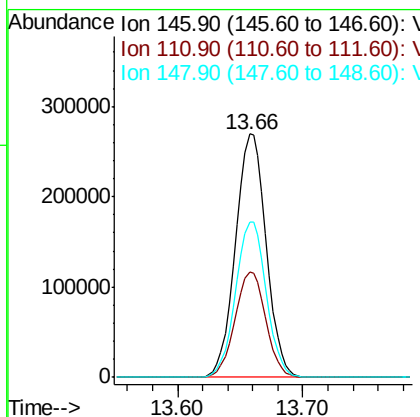
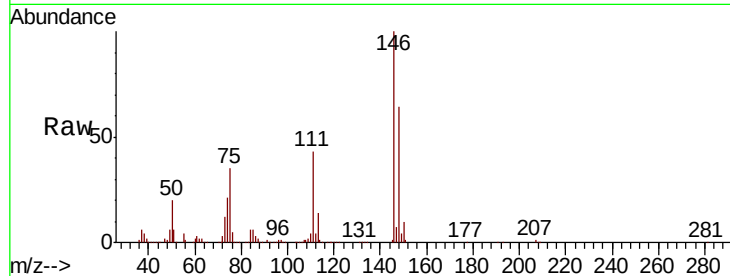
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	457753
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.1	63.4
148	63.7	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.041 ug/l

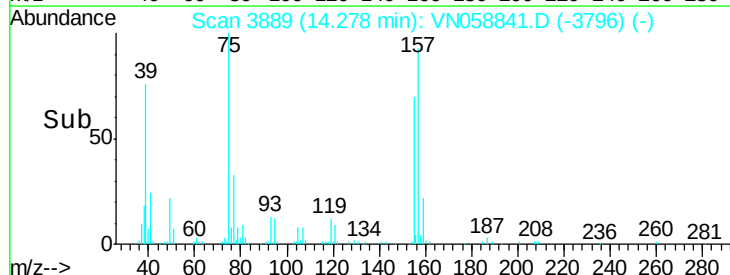
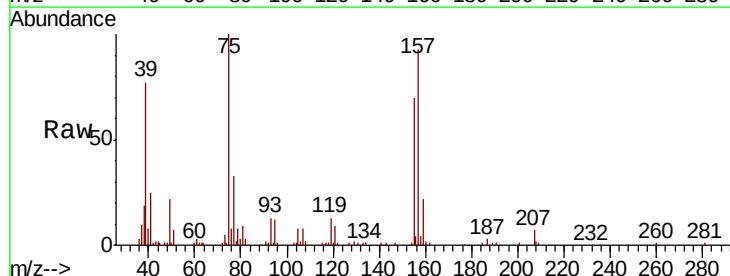
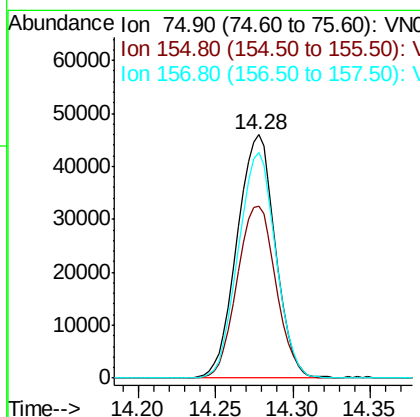
RT: 14.28 min Scan# 3889

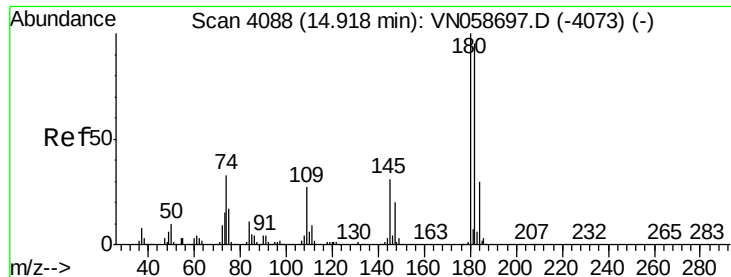
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	75	Resp:	79168
Ion Ratio	Lower	Upper	
75	100		
155	71.8	37.9	113.6
157	90.9	49.4	148.2





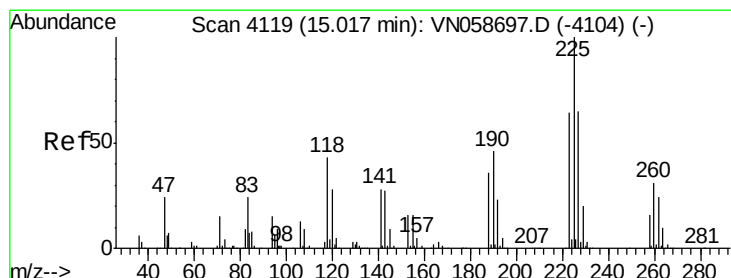
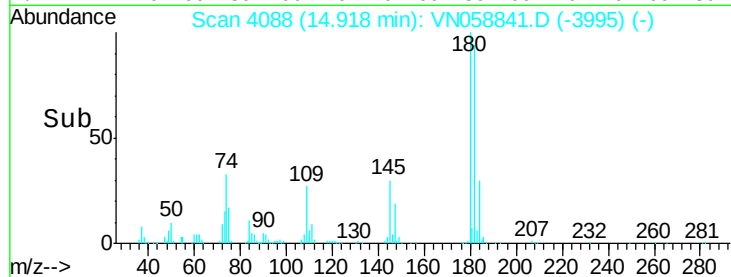
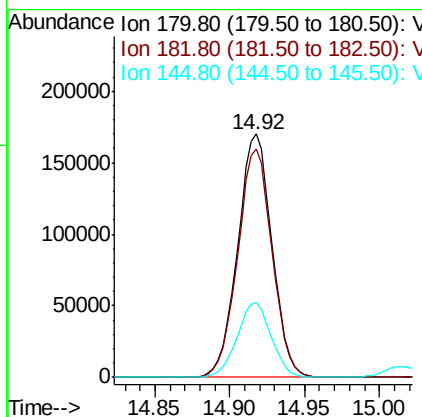
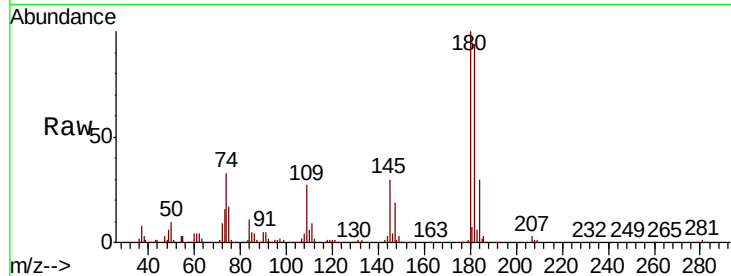
#93
 1,2,4-Trichlorobenzene
 Concen: 52.289 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	270452		
182	94.2	47.4	142.2	
145	30.6	15.4	46.2	

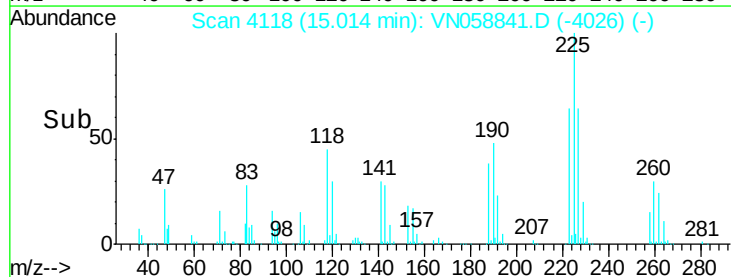
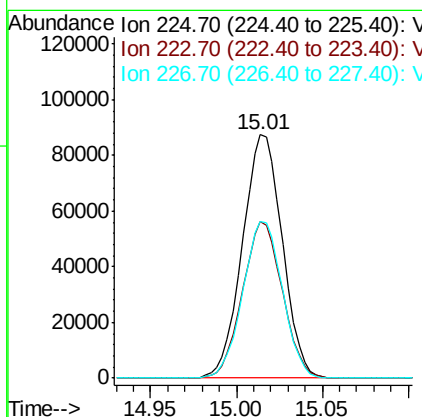
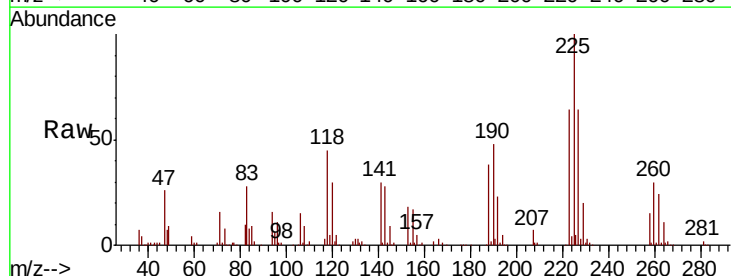
Manual Integrations
 APPROVED

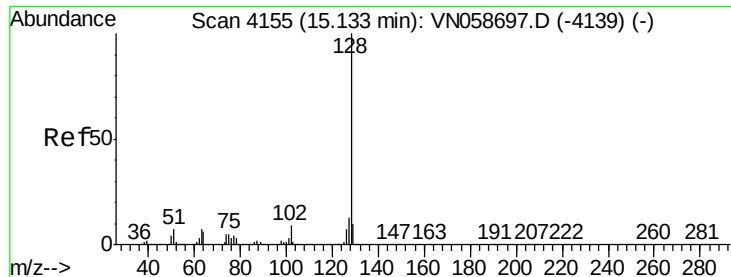
MMDadoda
 10/18/2019 3:25:45 PM



#94
 Hexachlorobutadiene
 Concen: 51.444 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	140122		
223	64.2	32.3	96.8	
227	63.9	32.4	97.0	





#95

Naphthalene

Concen: 53.009 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

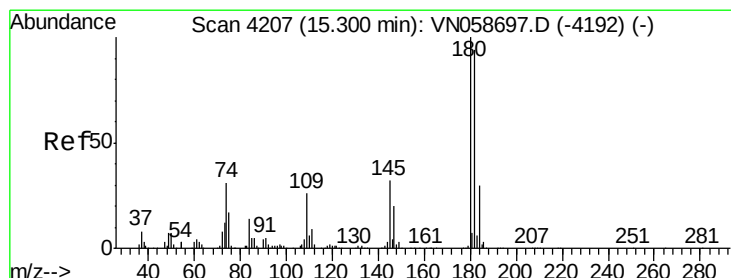
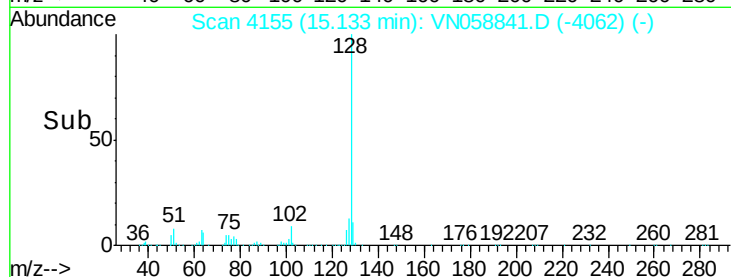
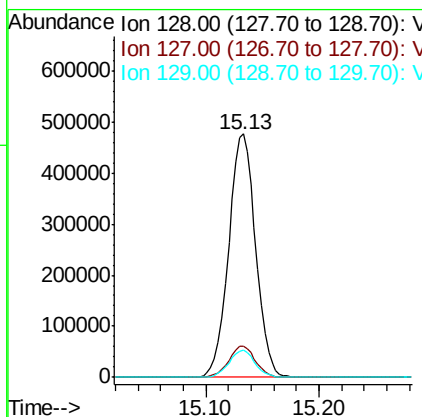
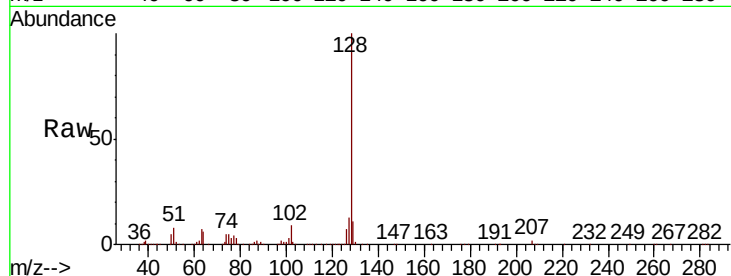
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	787970
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 3:25:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.182 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	180	Resp:	258458
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.3	142.0
145	32.9	16.2	48.6

