

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058461.D
 Acq On : 1 Oct 2019 13:40
 Operator : JC/SP
 Sample : VN1001WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:35:51 PM

Quant Time: Oct 02 07:00:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	377235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	300410	54.49	ug/l	0.00
Spiked Amount			Recovery	=	108.98%	
35) Dibromofluoromethane	7.57	113	212749	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	10.09	98	831140	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.41	95	292526	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	87078	21.052	ug/l	98
3) Chloromethane	2.04	50	97345	21.407	ug/l	97
4) Vinyl Chloride	2.17	62	98982	22.220	ug/l	99
5) Bromomethane	2.55	94	34917	14.757	ug/l	94
6) Chloroethane	2.69	64	60913	22.821	ug/l	97
7) Trichlorofluoromethane	3.00	101	115120	21.414	ug/l	100
8) Diethyl Ether	3.39	74	50879	21.936	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78922	21.617	ug/l	98
10) Methyl Iodide	3.93	142	46697	11.535	ug/l	99
11) Tert butyl alcohol	4.76	59	75329	123.003	ug/l	100
12) 1,1-Dichloroethene	3.72	96	74686	20.987	ug/l	98
13) Acrolein	3.59	56	23777	122.068	ug/l	99
14) Allyl chloride	4.30	41	136230	21.036	ug/l	99
15) Acrylonitrile	4.96	53	211243	118.354	ug/l	99
16) Acetone	3.79	43	208998	111.215	ug/l	99
17) Carbon Disulfide	4.03	76	196290	20.925	ug/l	97
18) Methyl Acetate	4.30	43	100862	21.340	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	269087	21.431	ug/l	98
20) Methylene Chloride	4.53	84	91223	21.035	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	84340	21.313	ug/l	97
22) Diisopropyl ether	5.93	45	296481	21.274	ug/l	96
23) Vinyl Acetate	5.87	43	1228529	116.913	ug/l	99
24) 1,1-Dichloroethane	5.83	63	170176	21.697	ug/l	100
25) 2-Butanone	6.82	43	295477	114.521	ug/l	97
26) 2,2-Dichloropropane	6.81	77	132511	20.551	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98811	21.364	ug/l	100
28) Bromochloromethane	7.18	49	66035	21.063	ug/l	99
29) Tetrahydrofuran	7.19	42	190212	116.155	ug/l	100
30) Chloroform	7.36	83	173477	21.827	ug/l	99
31) Cyclohexane	7.64	56	160293	21.010	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	142705	21.865	ug/l	98
36) 1,1-Dichloropropene	7.78	75	128761	20.634	ug/l	100
37) Ethyl Acetate	6.91	43	125700	23.759	ug/l	99
38) Carbon Tetrachloride	7.76	117	119469	21.210	ug/l	99

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Quant Time: Oct 02 07:00:17 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	147763	20.277	ug/l	96
40) Benzene	8.03	78	380477	21.212	ug/l	97
41) Methacrylonitrile	7.15	41	55318m	22.728	ug/l	
42) 1,2-Dichloroethane	8.11	62	146777	21.033	ug/l	99
43) Isopropyl Acetate	8.15	43	205768	20.683	ug/l	100
44) Trichloroethene	8.82	130	92779	20.948	ug/l	95
45) 1,2-Dichloropropane	9.11	63	102356	21.277	ug/l	96
46) Dibromomethane	9.20	93	66485	21.823	ug/l	96
47) Bromodichloromethane	9.40	83	127913	22.160	ug/l	98
48) Methyl methacrylate	9.19	41	96305	21.259	ug/l	99
49) 1,4-Dioxane	9.19	88	34145	563.691	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	616951	120.726	ug/l	99
52) Toluene	10.15	92	229599	20.336	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	132910	21.155	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	150441	21.572	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	90564	22.030	ug/l	98
56) Ethyl methacrylate	10.43	69	134569	21.573	ug/l	99
57) 1,3-Dichloropropane	10.71	76	159931	21.811	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	272251	109.454	ug/l	100
59) 2-Hexanone	10.75	43	446592	120.016	ug/l	99
60) Dibromochloromethane	10.90	129	85191	19.676	ug/l	97
61) 1,2-Dibromoethane	11.00	107	89860	21.392	ug/l	99
64) Tetrachloroethene	10.63	164	75895	20.301	ug/l	99
65) Chlorobenzene	11.44	112	243193	20.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84032	21.323	ug/l	98
67) Ethyl Benzene	11.51	91	452247	21.347	ug/l	98
68) m/p-Xylenes	11.62	106	330335	41.442	ug/l	99
69) o-Xylene	11.95	106	157684	20.550	ug/l	98
70) Styrene	11.97	104	265611	21.308	ug/l	100
71) Bromoform	12.13	173	52463	19.691	ug/l #	100
73) Isopropylbenzene	12.25	105	431065	21.353	ug/l	100
74) N-amyl acetate	12.08	43	169367	21.088	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	135027	22.619	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	118173m	23.684	ug/l	
77) Bromobenzene	12.53	156	97163	20.526	ug/l	94
78) n-propylbenzene	12.60	91	504754	22.193	ug/l	100
79) 2-Chlorotoluene	12.68	91	293896	20.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	359344	21.264	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	32120	19.552	ug/l	93
82) 4-Chlorotoluene	12.78	91	296234	20.680	ug/l	99
83) tert-Butylbenzene	13.00	119	307622	21.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	359171	21.213	ug/l	98
85) sec-Butylbenzene	13.18	105	413048	22.007	ug/l	99
86) p-Isopropyltoluene	13.30	119	364013	22.033	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	176953	20.616	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	175817	20.588	ug/l	99
89) n-Butylbenzene	13.62	91	324941	21.712	ug/l	99
90) Hexachloroethane	13.88	117	52715	21.237	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	176236	21.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24068	22.863	ug/l	95

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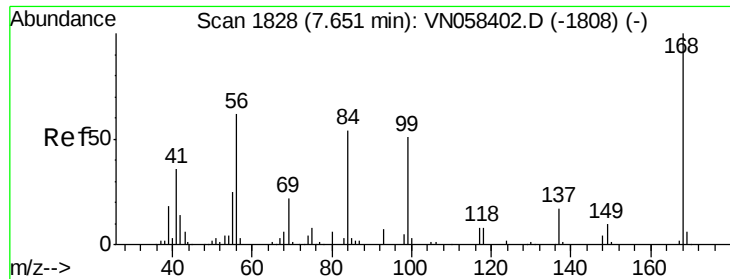
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	95944	21.053	ug/l	99
94) Hexachlorobutadiene	15.02	225	49075	20.951	ug/l	98
95) Naphthalene	15.14	128	265599	19.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	93065	20.354	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion:168 Resp: 377235

Ion Ratio Lower Upper

168 100

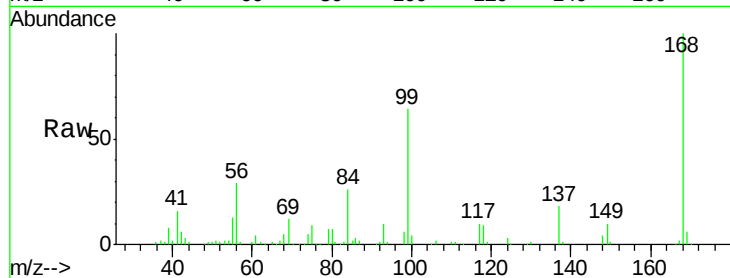
99 63.2 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

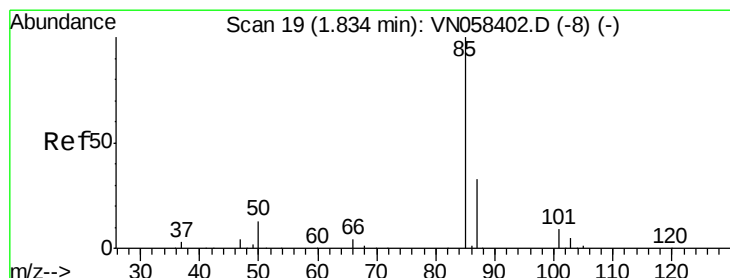
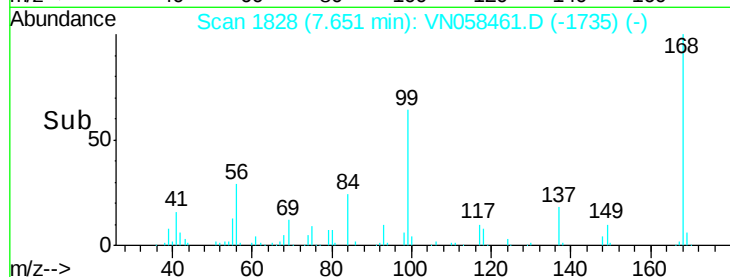
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.052 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058461.D

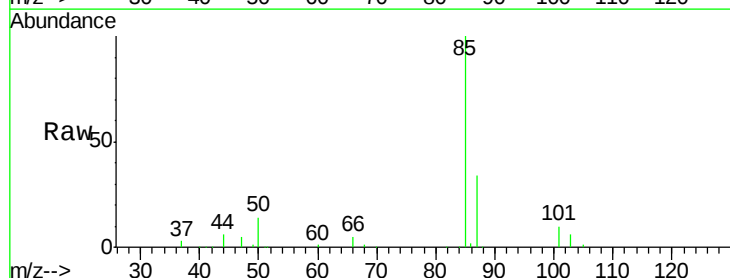
Acq: 1 Oct 2019 13:40

Tgt Ion: 85 Resp: 87078

Ion Ratio Lower Upper

85 100

87 33.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

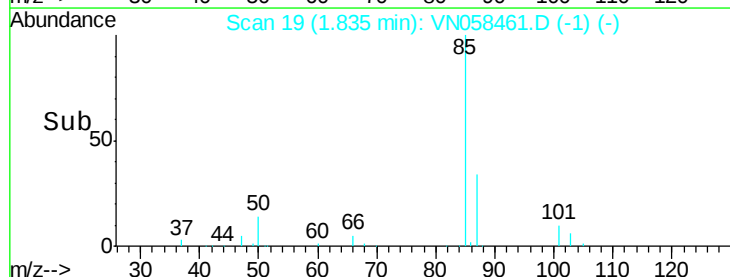
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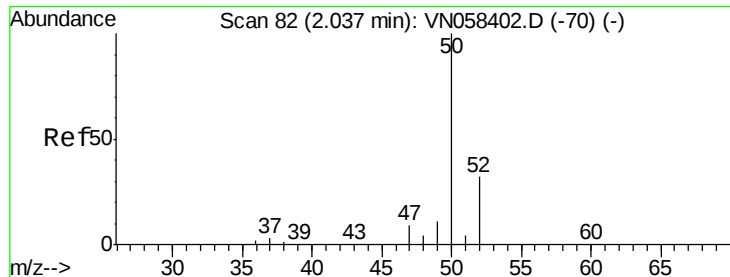
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.407 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 50 Resp: 97345

Ion Ratio Lower Upper

50 100

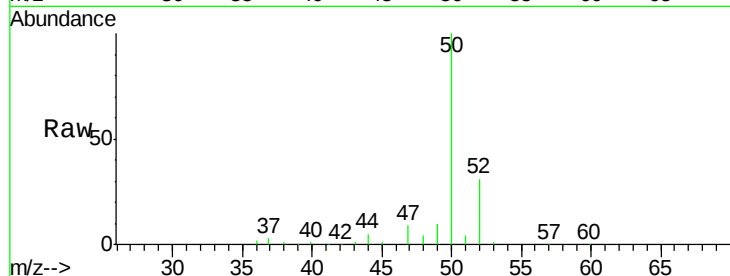
52 30.8 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

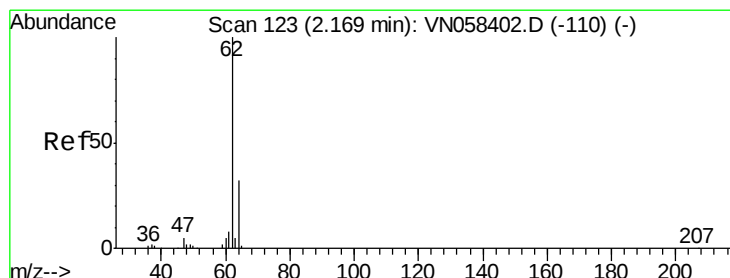
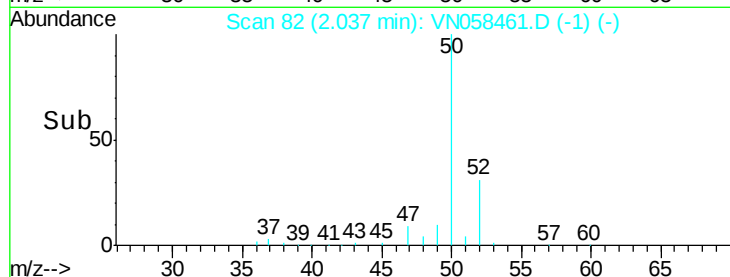
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 22.220 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058461.D

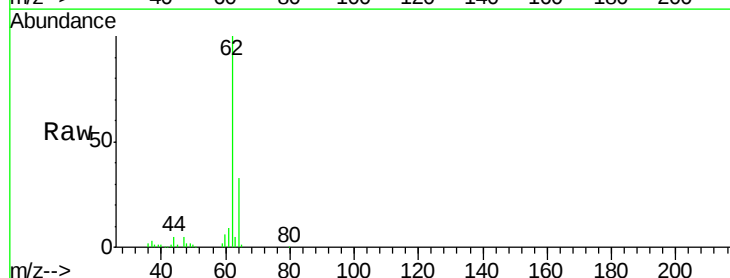
Acq: 1 Oct 2019 13:40

Tgt Ion: 62 Resp: 98982

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

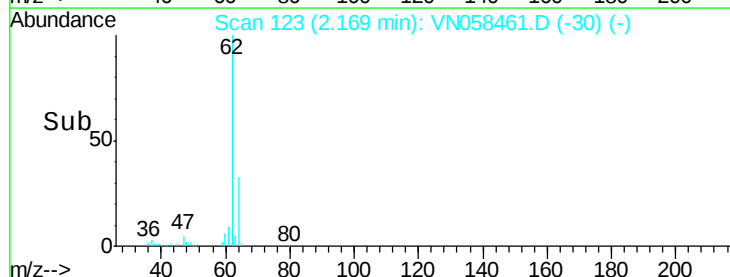
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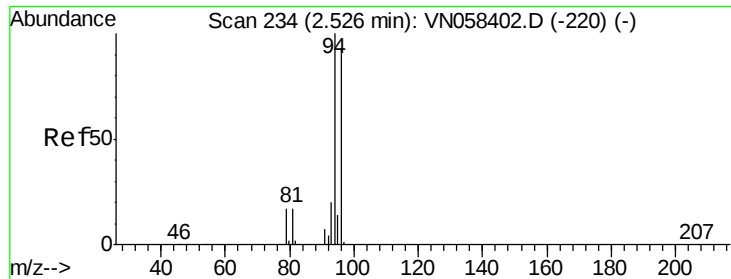
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20000

0

Time-->





#5

Bromomethane

Concen: 14.757 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 94 Resp: 34917

Ion Ratio Lower Upper

94 100

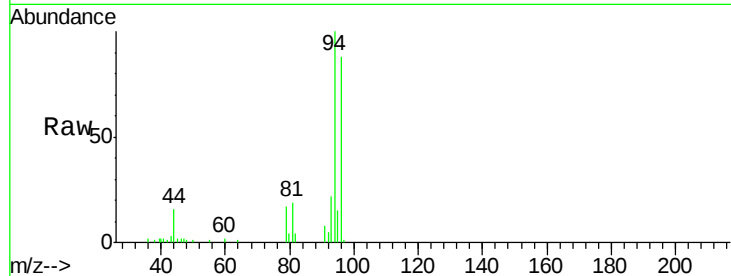
96 88.2 74.8 112.2

Manual Integrations

APPROVED

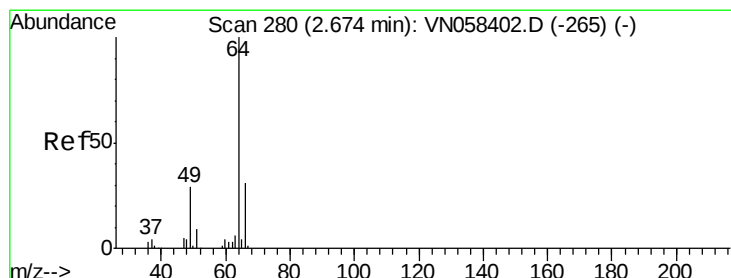
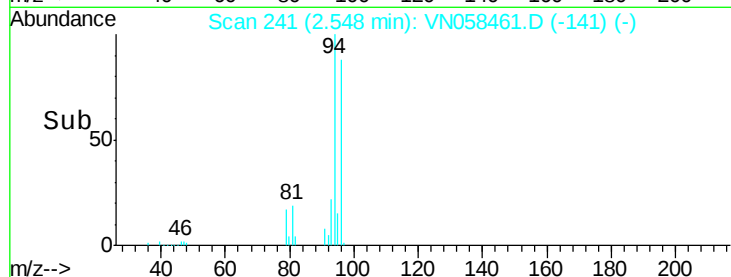
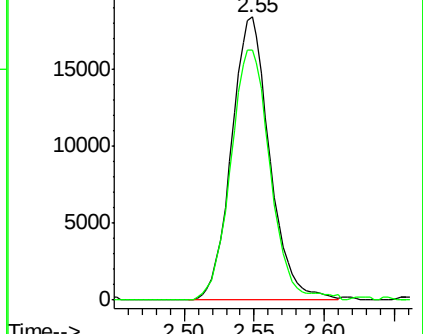
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.821 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058461.D

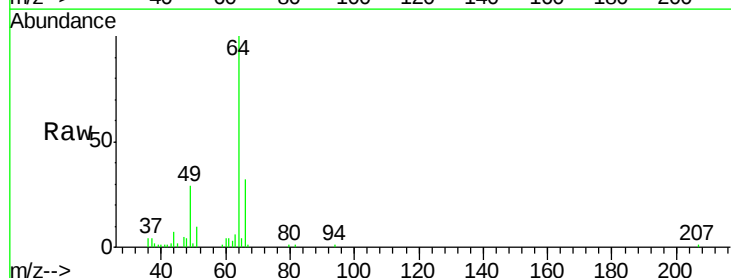
Acq: 1 Oct 2019 13:40

Tgt Ion: 64 Resp: 60913

Ion Ratio Lower Upper

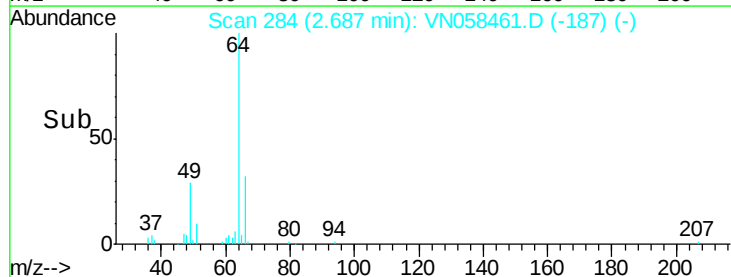
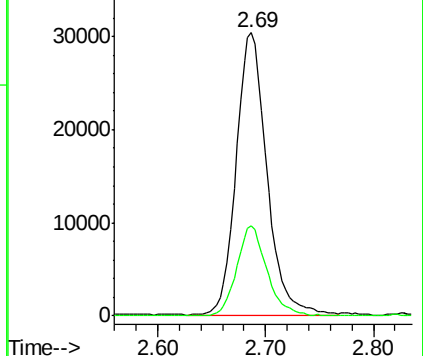
64 100

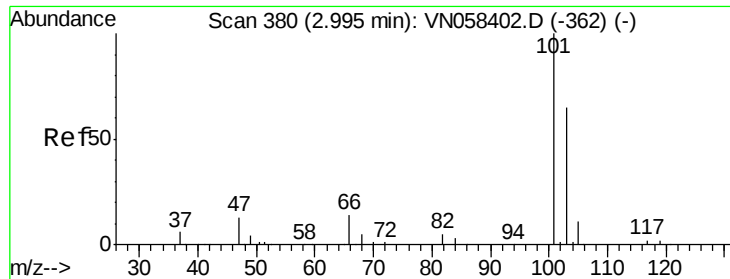
66 31.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

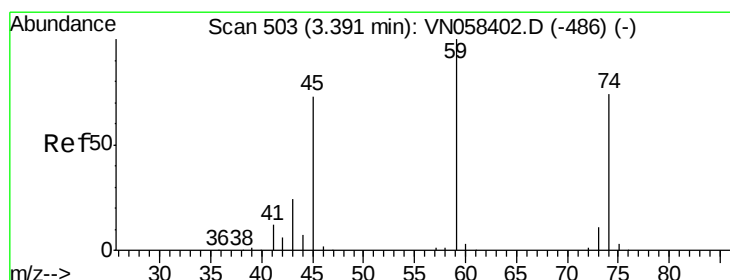
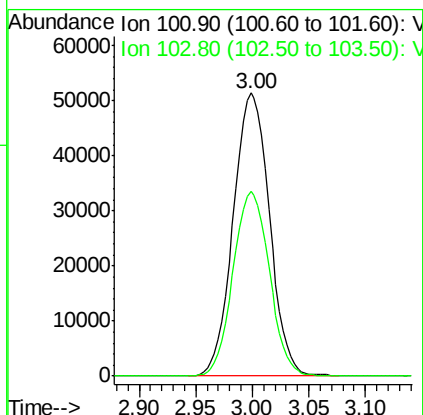
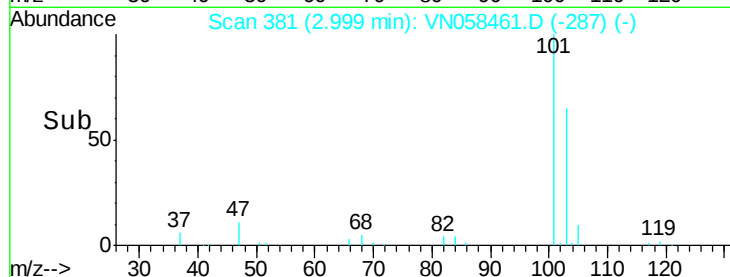
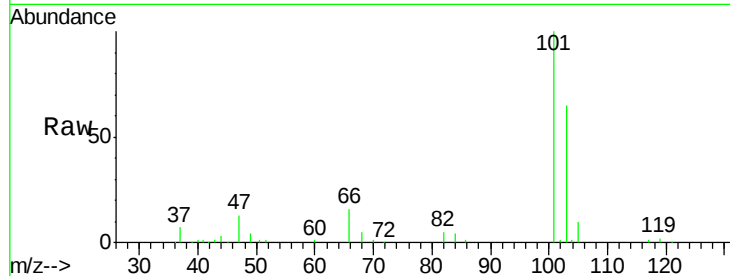
Trichlorofluoromethane
Concen: 21.414 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

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VN1001WBS01

Tot Ion:101 Resp: 115120
Ion Ratio Lower Upper
101 100
103 65.1 52.3 78.5

Manual Integrations
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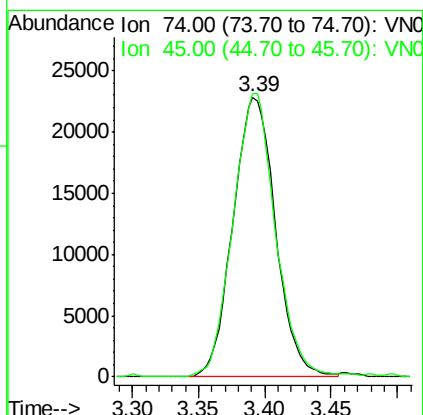
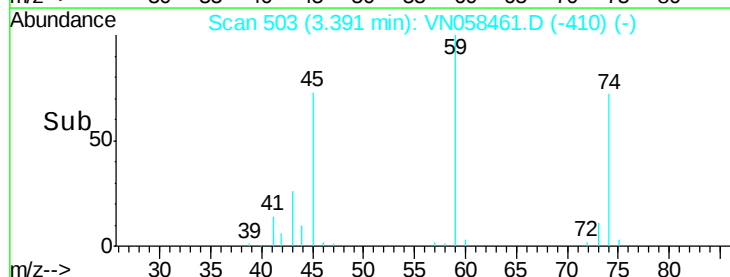
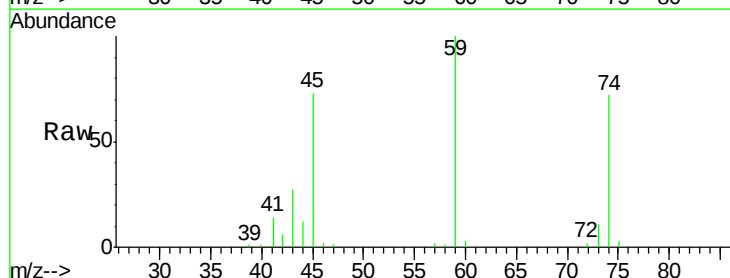
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10/3/2019 12:35:51 PM

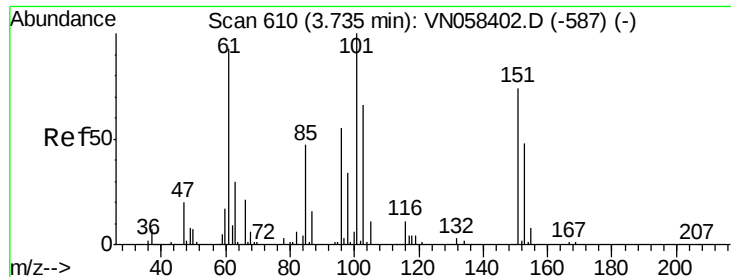


#8

Diethyl Ether
Concen: 21.936 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion: 74 Resp: 50879
Ion Ratio Lower Upper
74 100
45 100.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.617 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

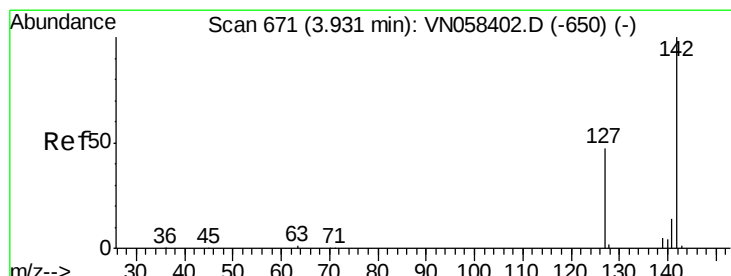
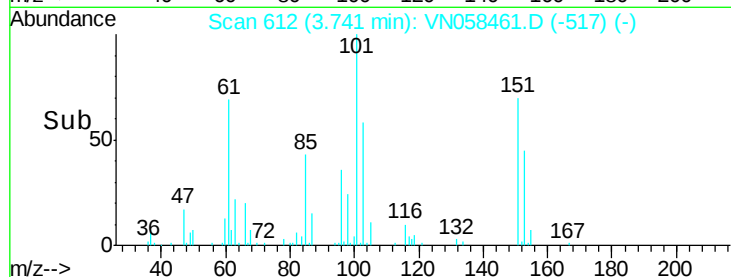
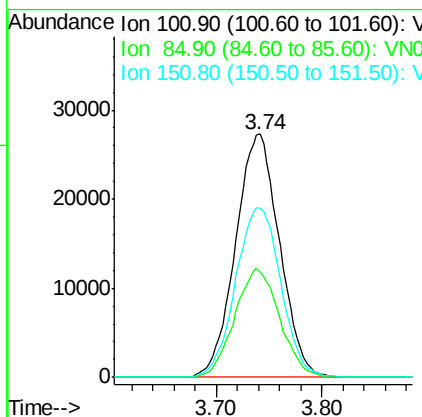
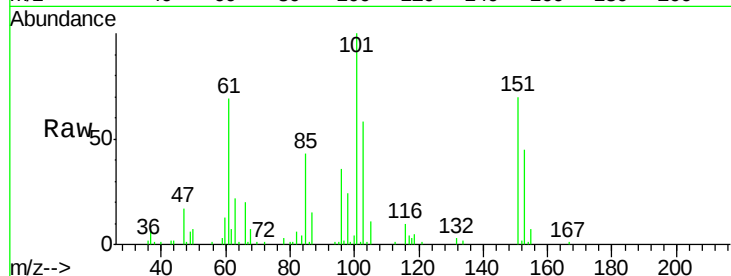
ClientSampleId :

VN1001WBS01

Tot Ion:	101	Resp:	78922
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.7	55.1
151	72.0	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 11.535 ug/l

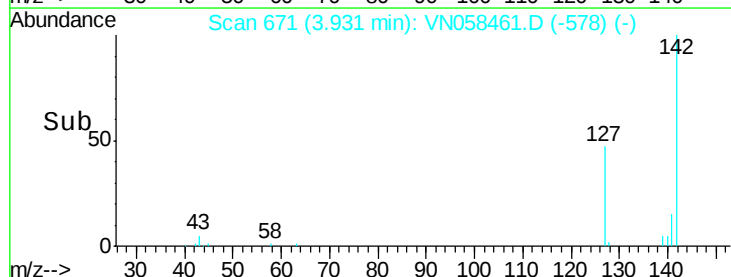
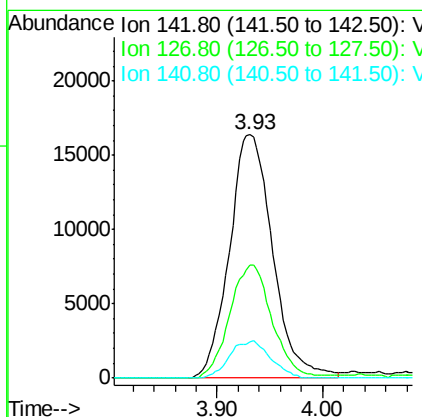
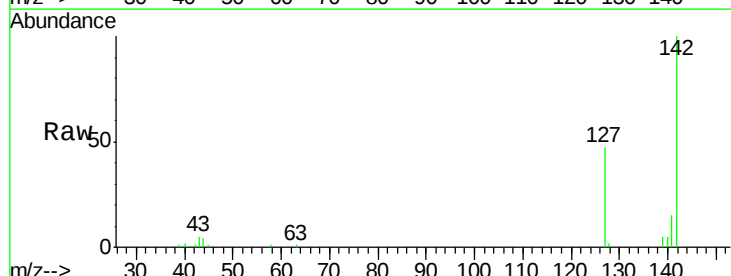
RT: 3.93 min Scan# 671

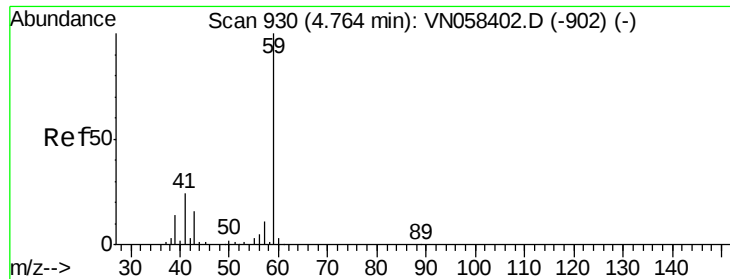
Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Tgt Ion:	142	Resp:	46697
Ion Ratio	Lower	Upper	
142	100		
127	45.5	37.2	55.8
141	14.3	11.3	16.9





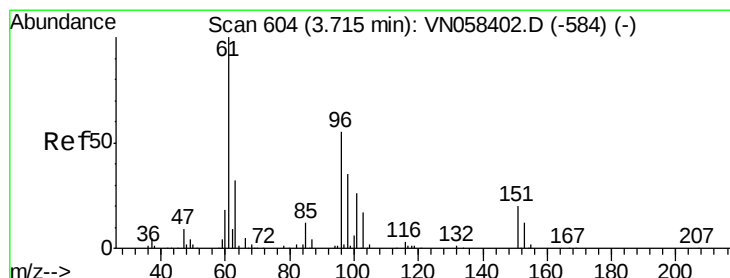
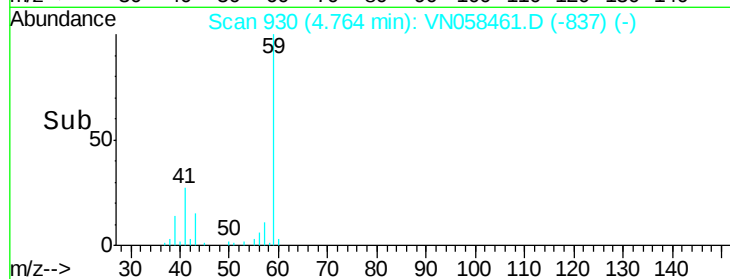
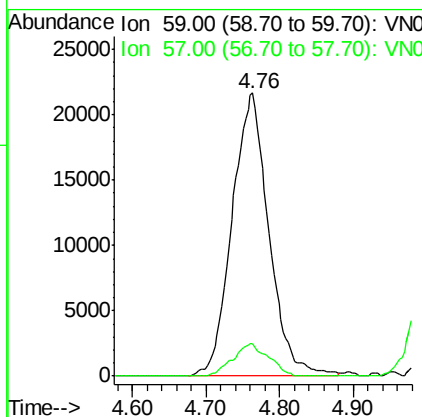
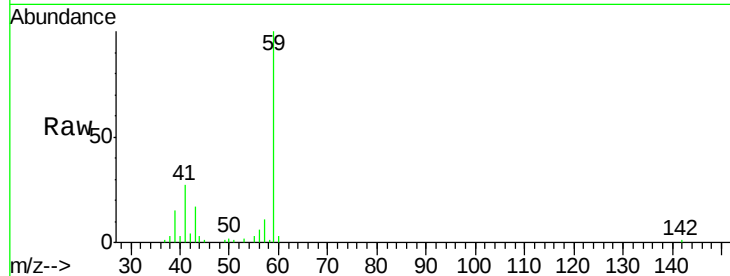
#11
Tert butyl alcohol
Concen: 123.003 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion: 59 Resp: 75329
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4

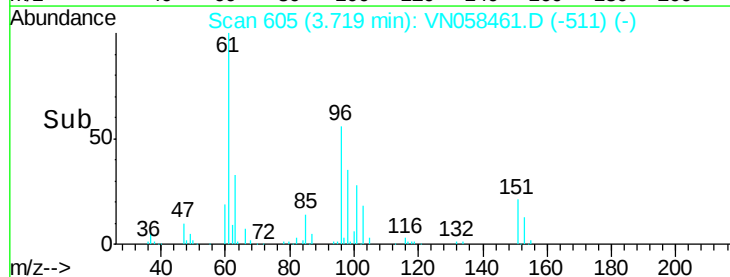
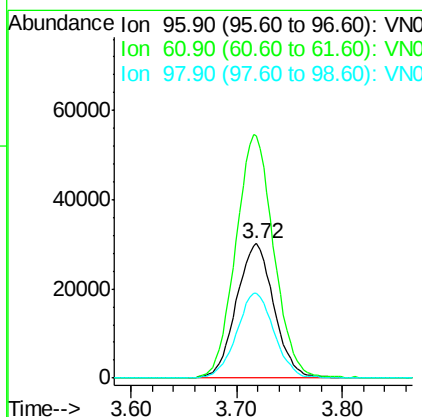
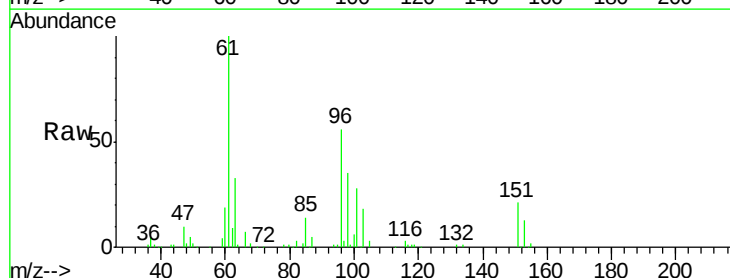
Manual Integrations
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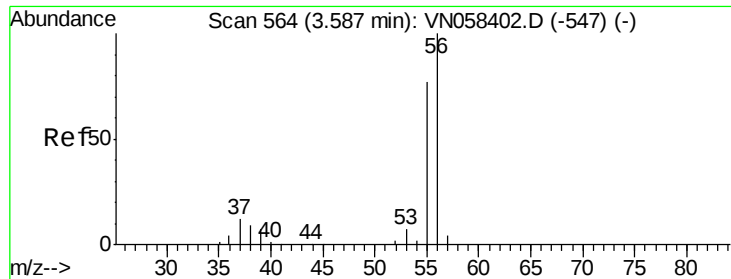
MMDadoda
10/3/2019 12:35:51 PM



#12
1,1-Dichloroethene
Concen: 20.987 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion: 96 Resp: 74686
Ion Ratio Lower Upper
96 100
61 179.7 146.7 220.1
98 62.8 51.3 76.9





#13

Acrolein

Concen: 122.068 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 56 Resp: 23777

Ion Ratio Lower Upper

56 100

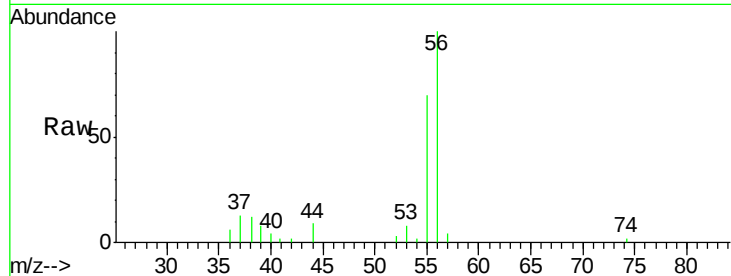
55 72.0 58.3 87.5

Manual Integrations

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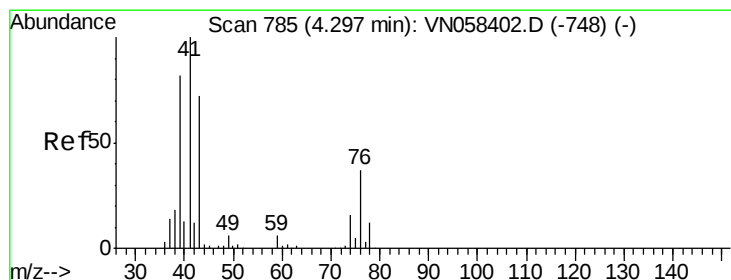
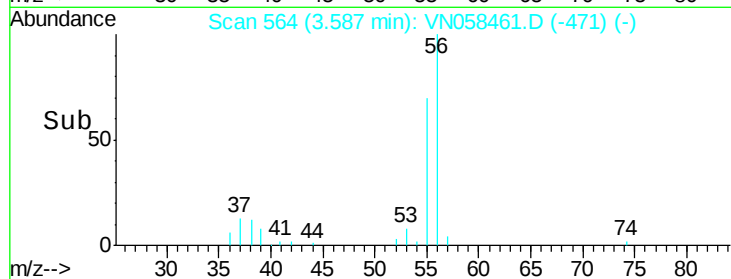
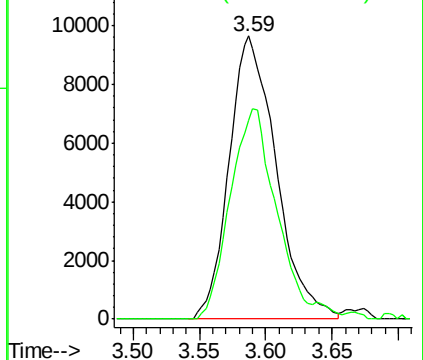
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.036 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

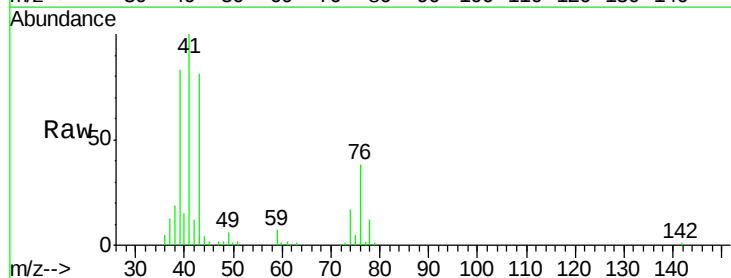
Tgt Ion: 41 Resp: 136230

Ion Ratio Lower Upper

41 100

39 79.4 62.3 93.5

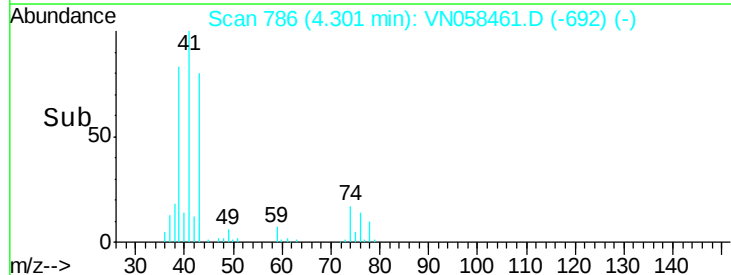
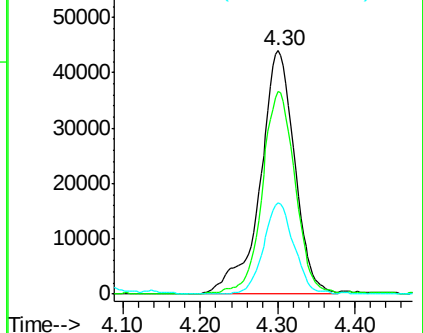
76 33.1 26.9 40.3

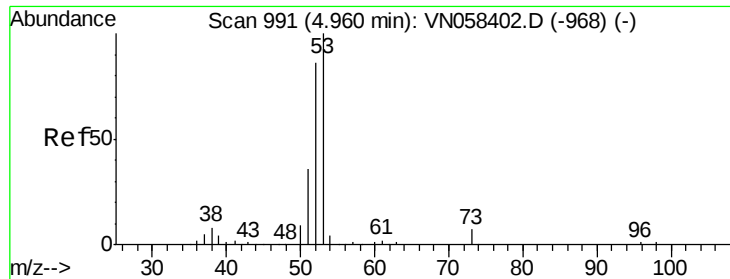


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 118.354 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

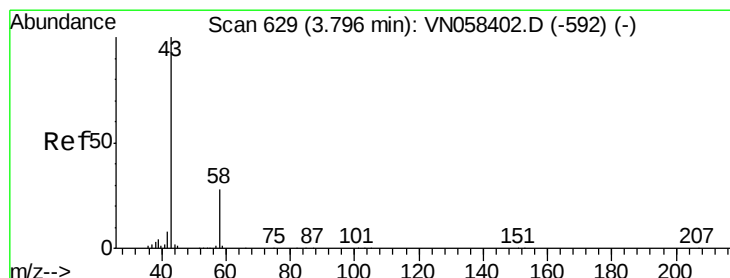
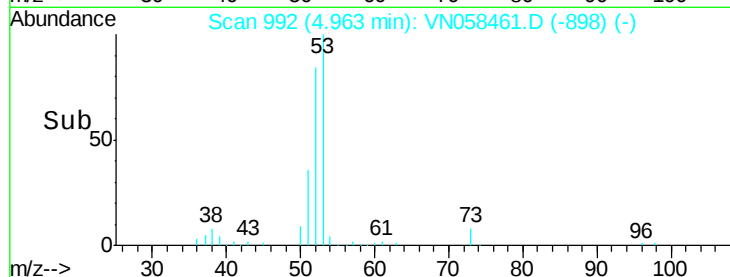
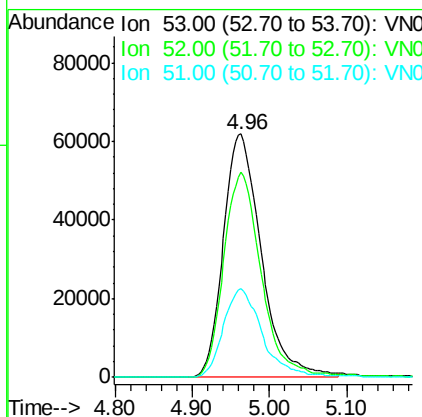
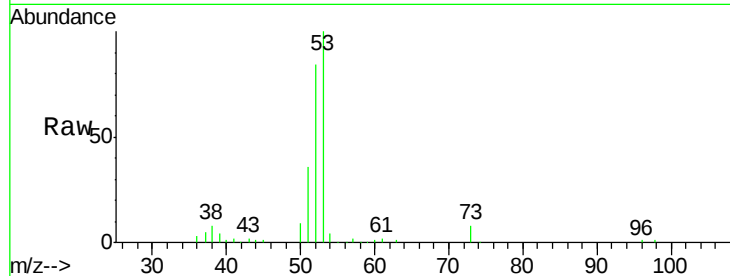
ClientSampleId :

VN1001WBS01

Tot Ion:	53	Resp:	211243
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 111.215 ug/l

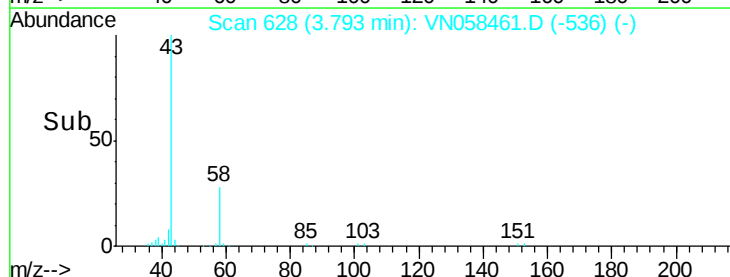
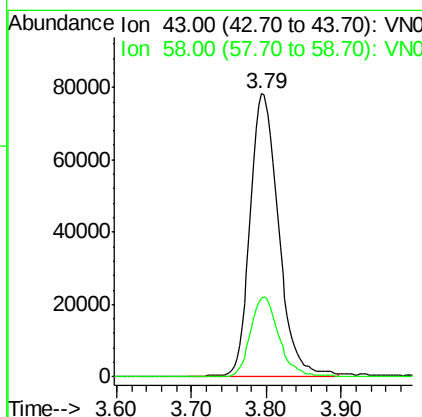
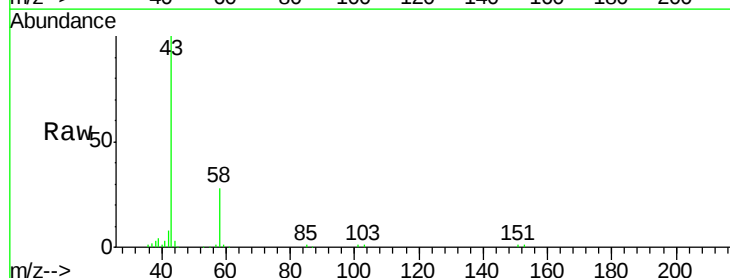
RT: 3.79 min Scan# 628

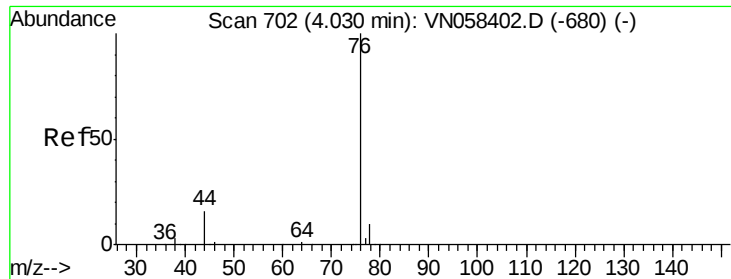
Delta R.T. -0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Tgt Ion:	43	Resp:	208998
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.4	33.6





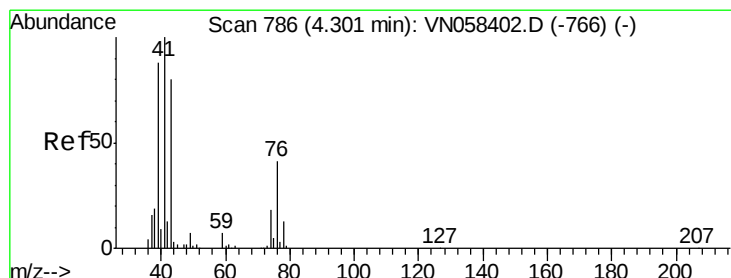
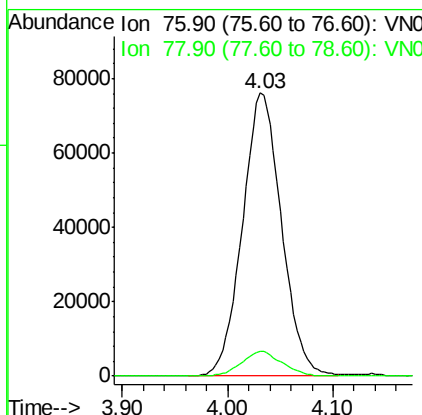
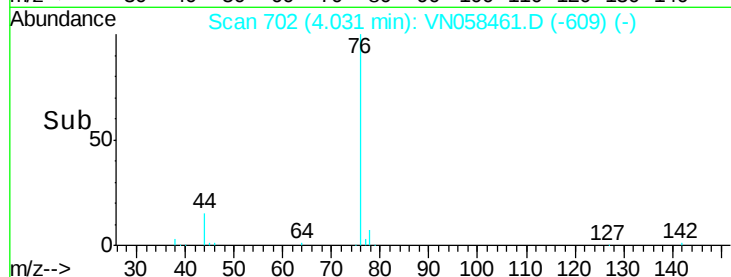
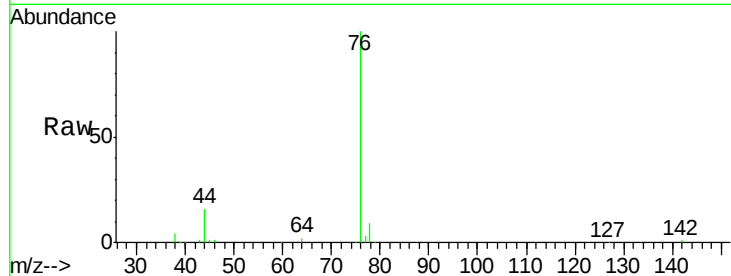
#17
Carbon Disulfide
Concen: 20.925 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.7	11.5

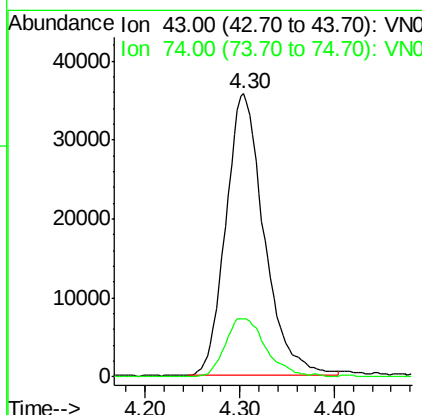
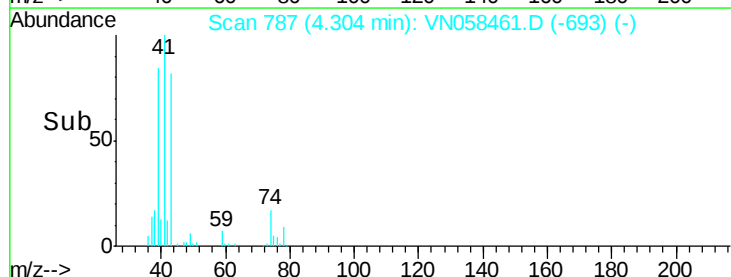
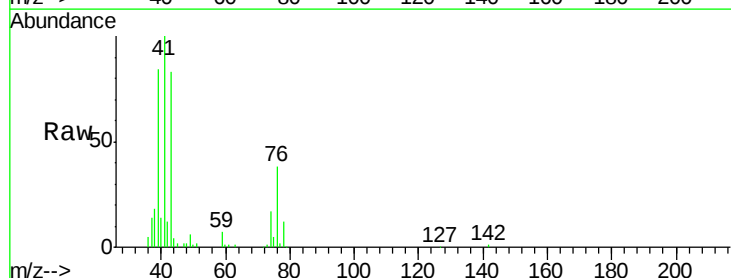
Manual Integrations
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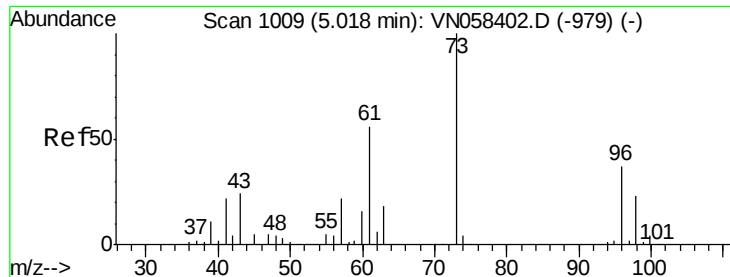
MMDadoda
10/3/2019 12:35:51 PM



#18
Methyl Acetate
Concen: 21.340 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	18.0	27.0





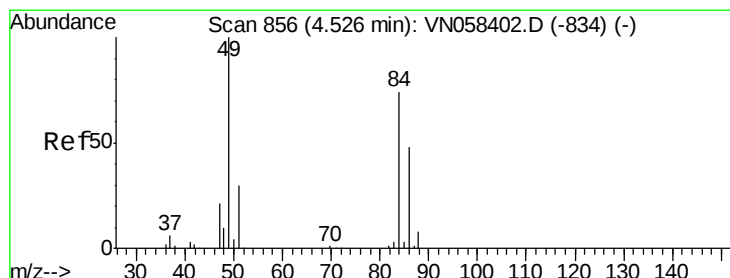
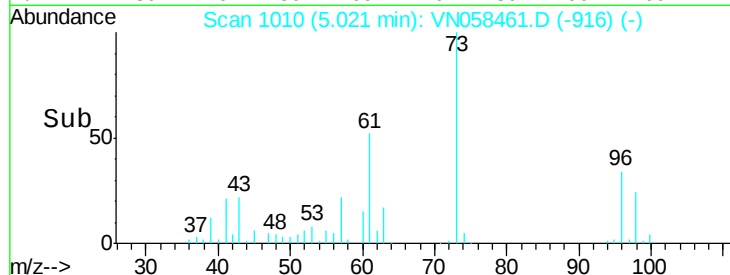
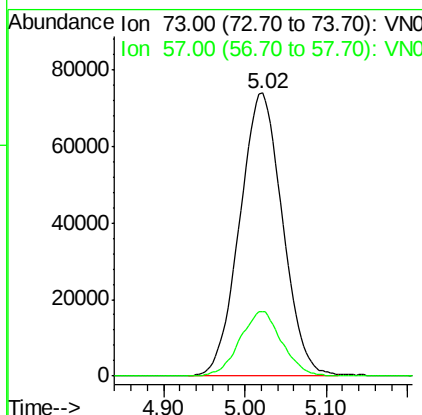
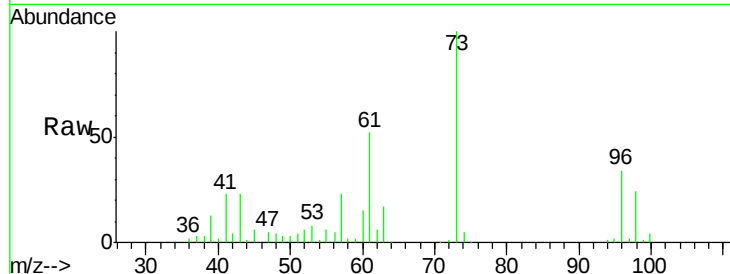
#19
Methvl tert-butvl Ether
Concen: 21.431 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion: 73 Resp: 269087
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4

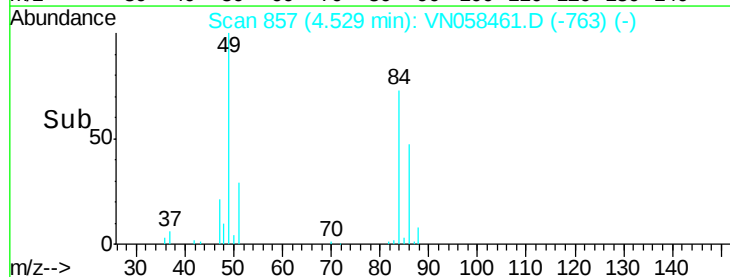
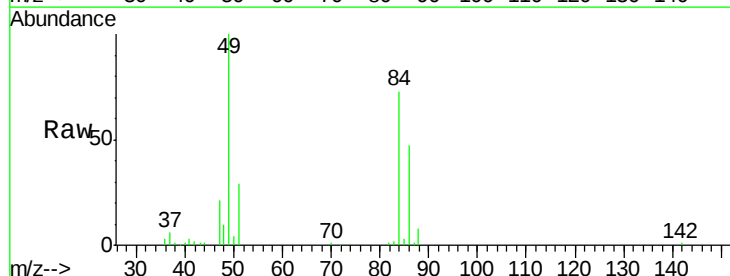
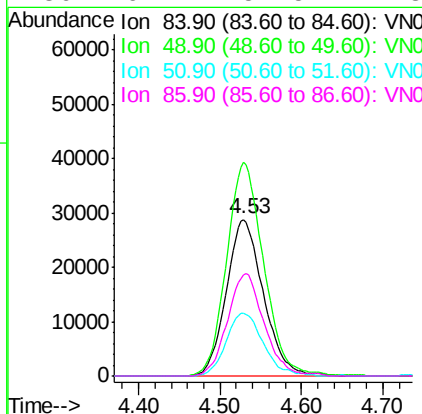
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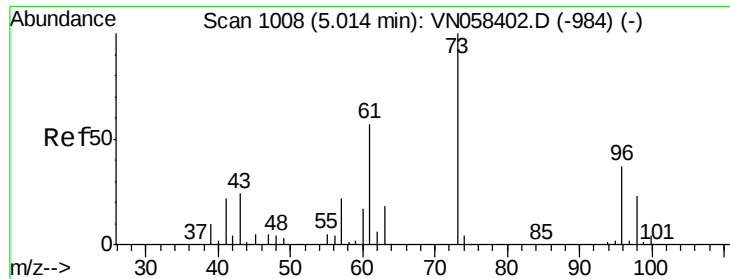
MMDadoda
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#20
Methylene Chloride
Concen: 21.035 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion: 84 Resp: 91223
Ion Ratio Lower Upper
84 100
49 136.3 107.9 161.9
51 40.0 32.8 49.2
86 64.2 51.5 77.3





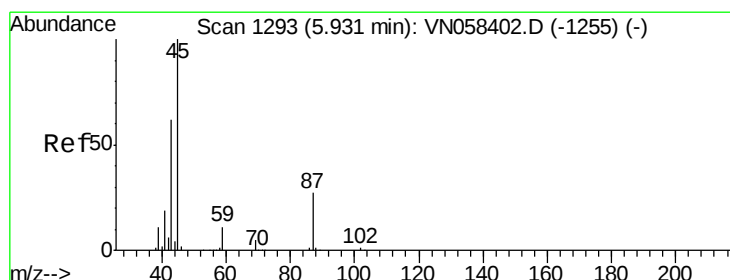
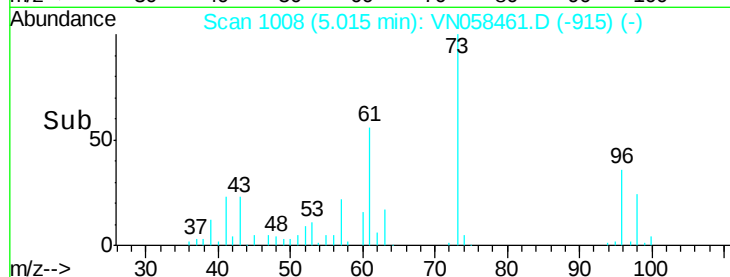
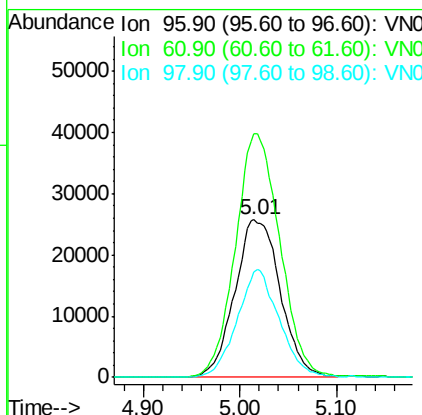
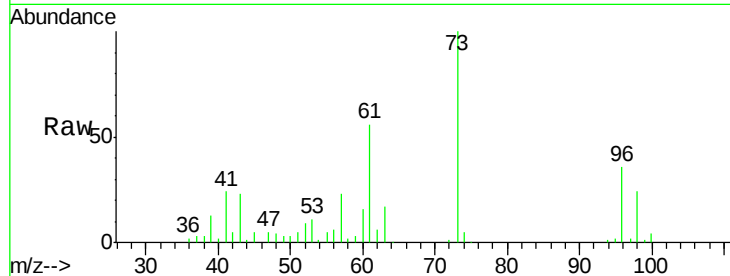
#21
trans-1,2-Dichloroethene
Concen: 21.313 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.4	121.9	182.9
98	66.5	49.3	73.9

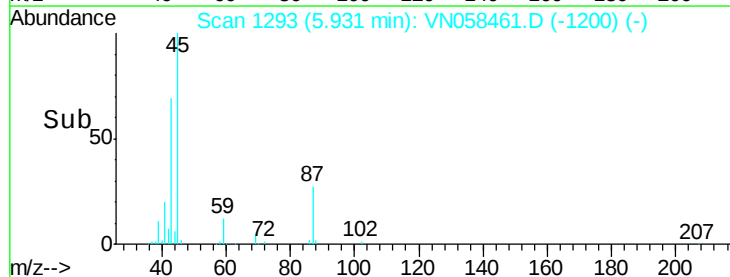
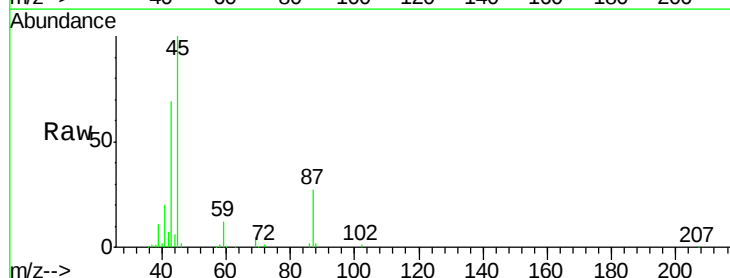
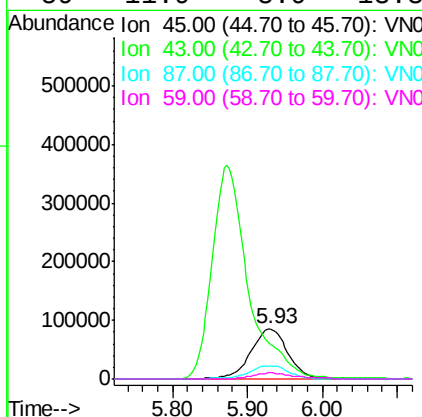
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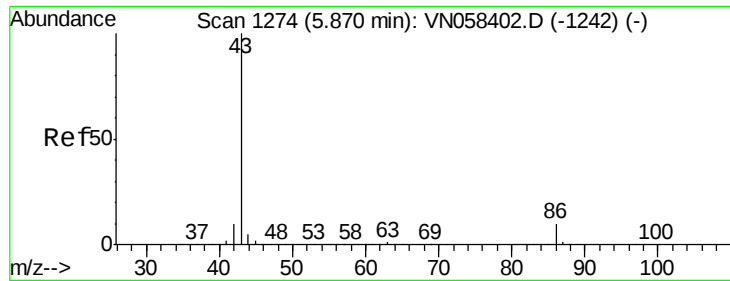
MMDadoda
10/3/2019 12:35:51 PM



#22
Diisopropyl ether
Concen: 21.274 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	49.7	74.5
87	26.2	21.5	32.3
59	11.9	8.9	13.3





#23

Vinyl Acetate

Concen: 116.913 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 43 Resp: 1228529

Ion Ratio Lower Upper

43 100

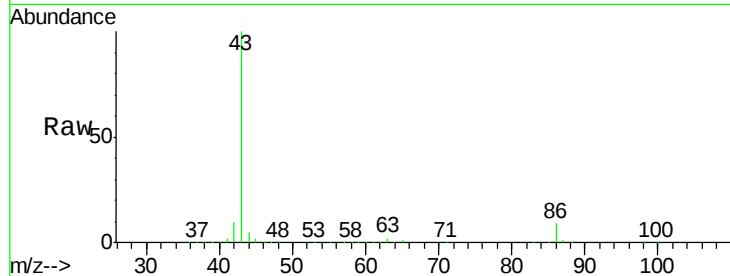
86 9.1 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

300000

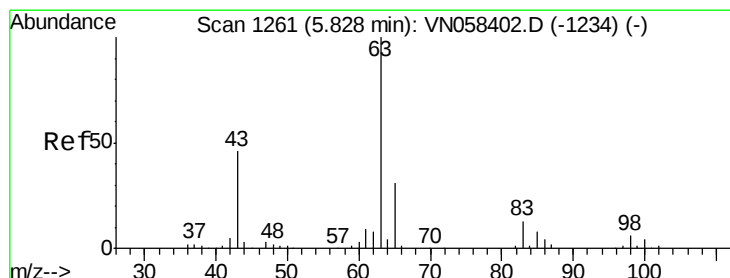
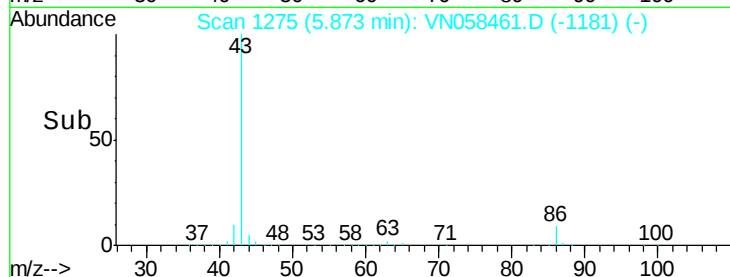
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.697 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

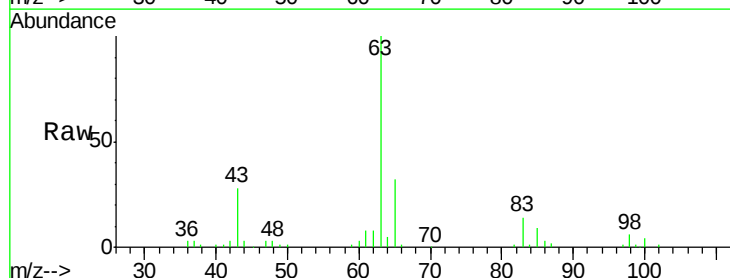
Tgt Ion: 63 Resp: 170176

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.83

60000

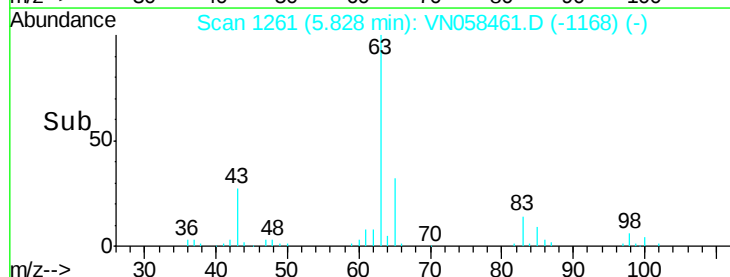
40000

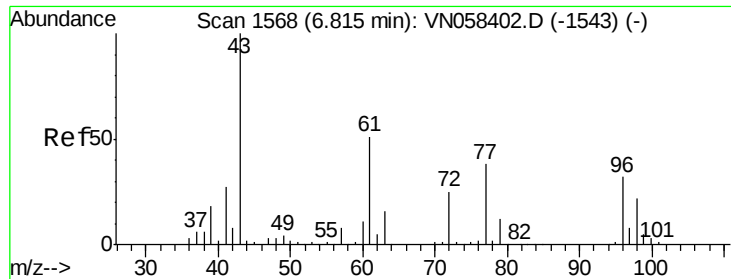
20000

0

5.70 5.80 5.90

Time-->





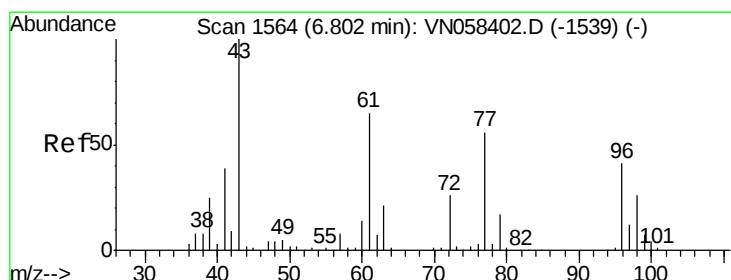
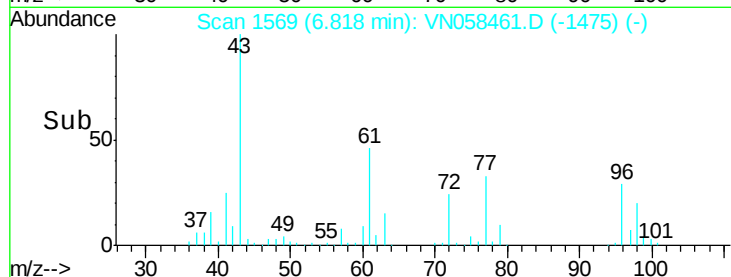
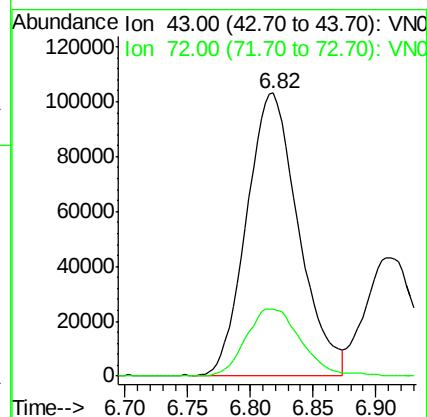
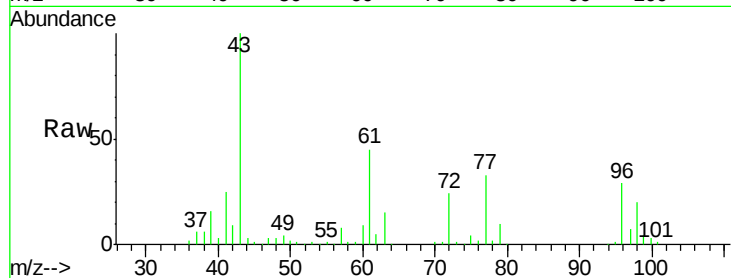
#25
2-Butanone
Concen: 114.521 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion: 43 Resp: 295477
Ion Ratio Lower Upper
43 100
72 23.6 20.2 30.4

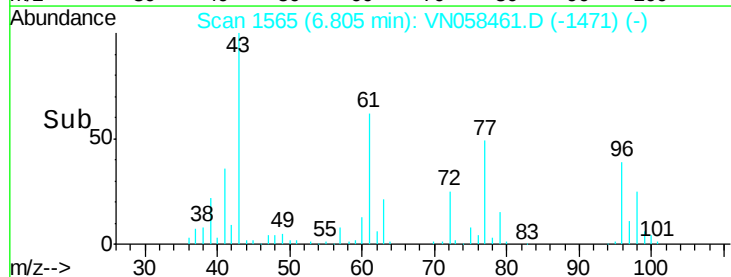
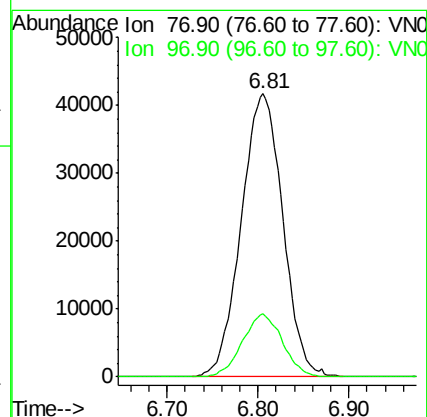
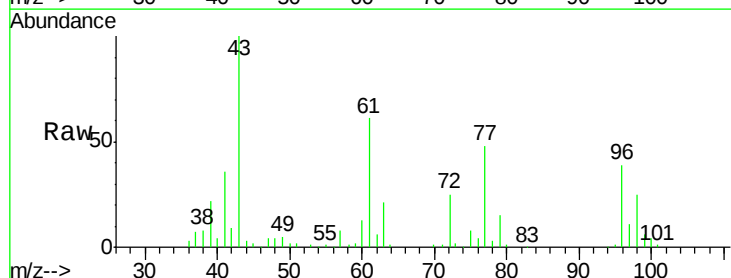
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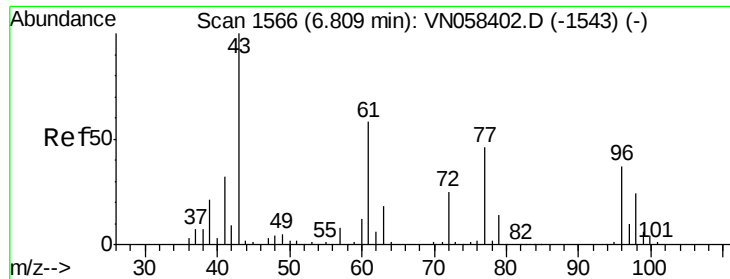
MMDadoda
10/3/2019 12:35:51 PM



#26
2,2-Dichloropropane
Concen: 20.551 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion: 77 Resp: 132511
Ion Ratio Lower Upper
77 100
97 21.5 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 21.364 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

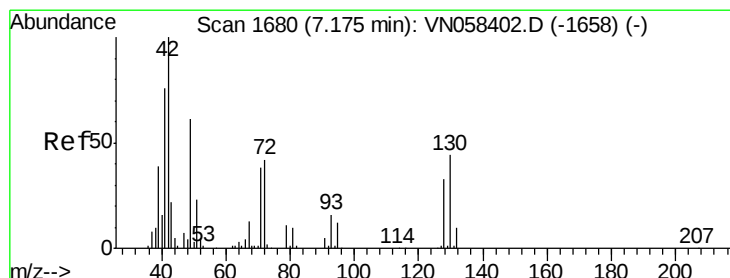
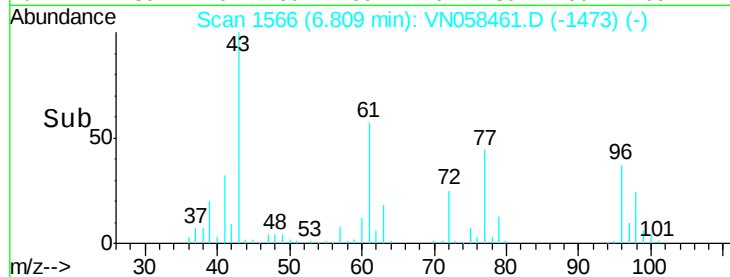
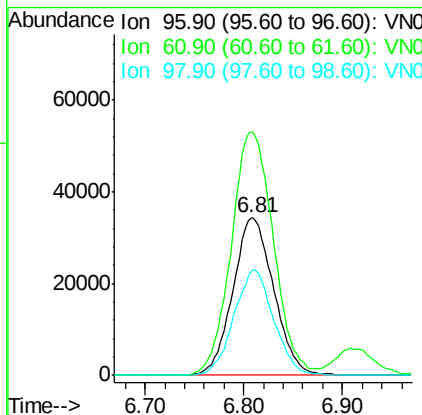
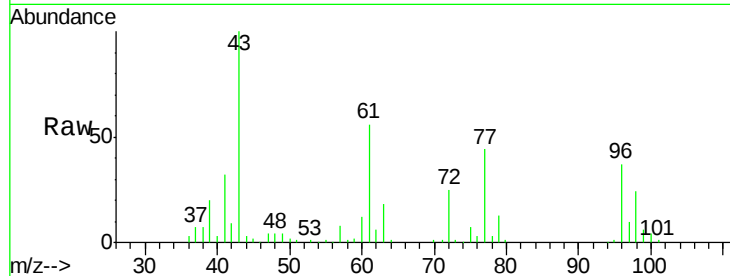
ClientSampleId :

VN1001WBS01

Tot Ion:	96	Resp:	98811
Ion Ratio	Lower	Upper	
96	100		
61	159.1	0.0	318.8
98	65.3	0.0	129.8

Manual Integrations
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10/3/2019 12:35:51 PM



#28

Bromochloromethane

Concen: 21.063 ug/l

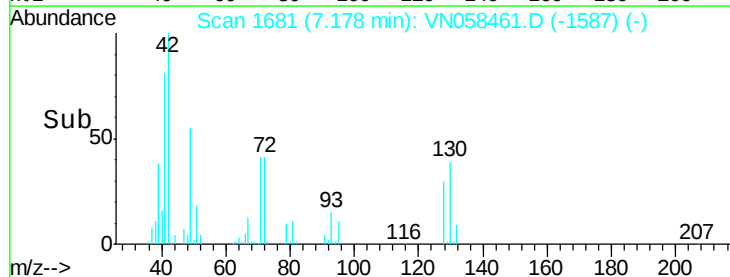
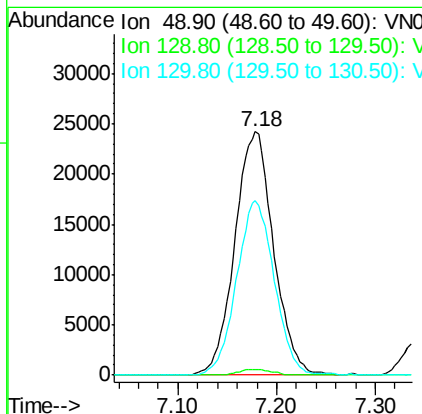
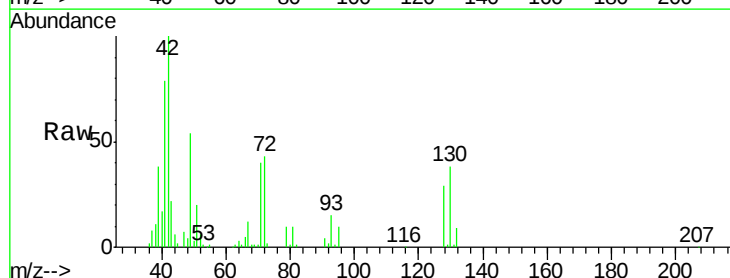
RT: 7.18 min Scan# 1681

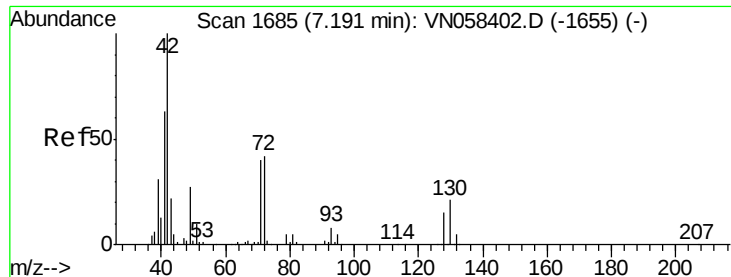
Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Tgt Ion:	49	Resp:	66035
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.4
130	69.4	56.3	84.5





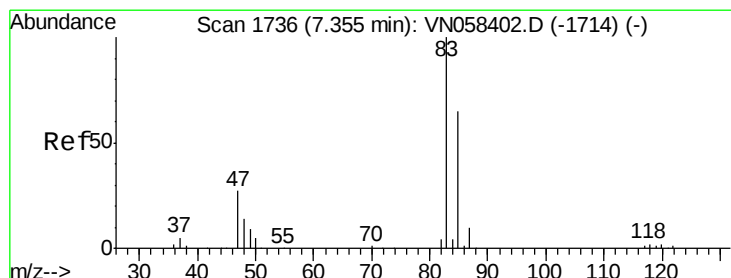
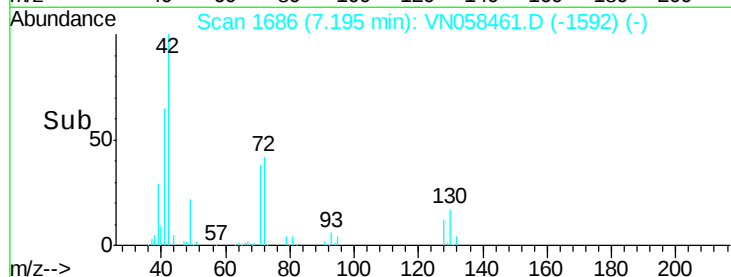
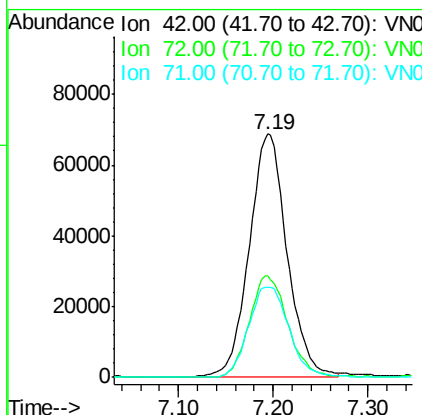
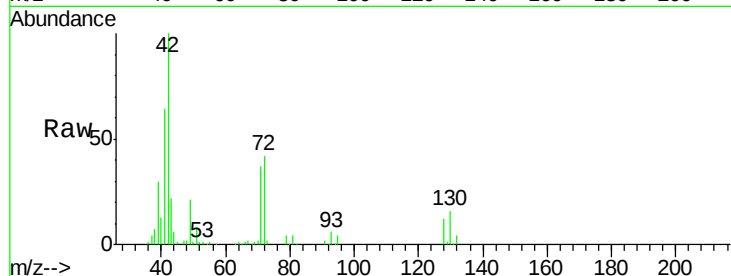
#29
Tetrahydrofuran
Concen: 116.155 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.7	50.5
71	39.8	31.8	47.6

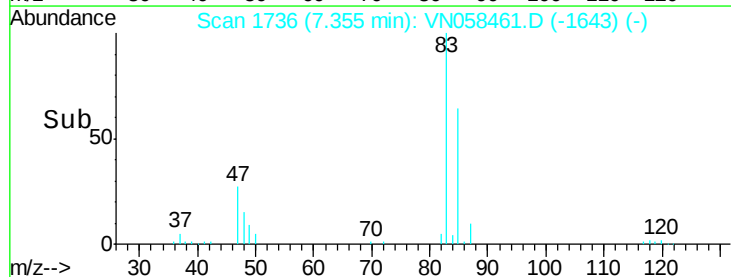
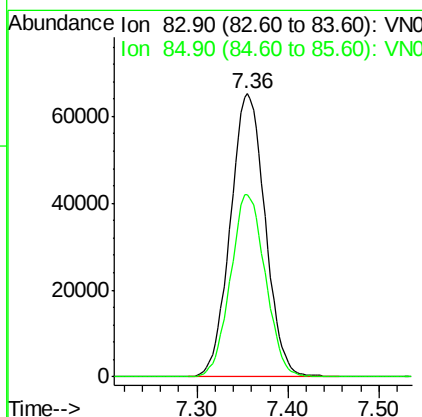
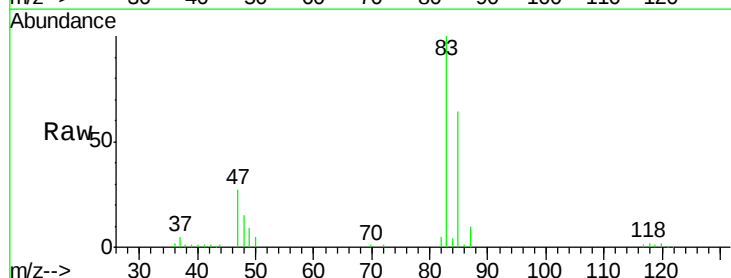
Manual Integrations
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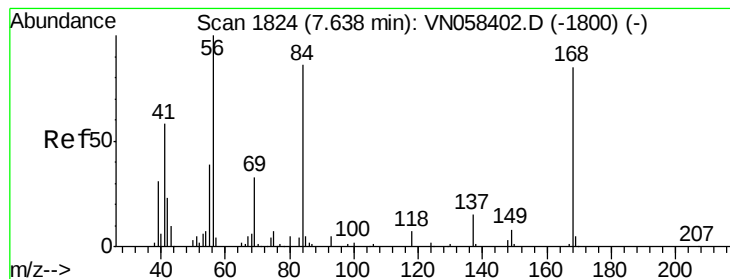
MMDadoda
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#30
Chloroform
Concen: 21.827 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.0	78.0





#31

Cyclohexane

Concen: 21.010 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

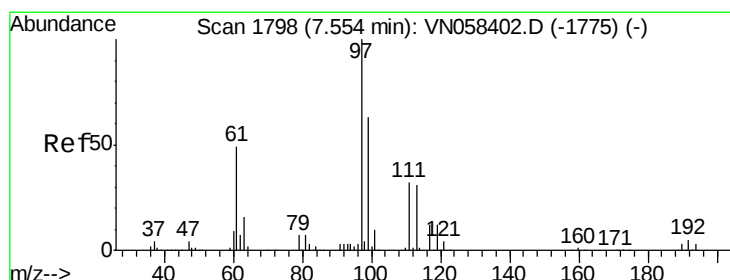
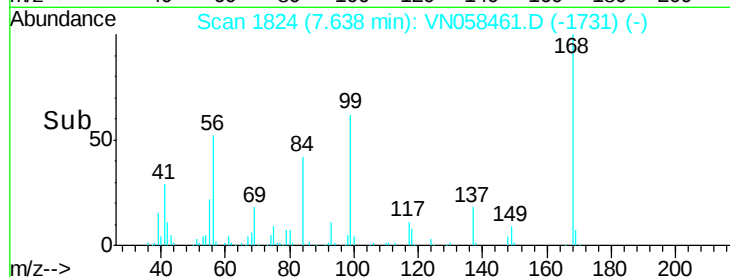
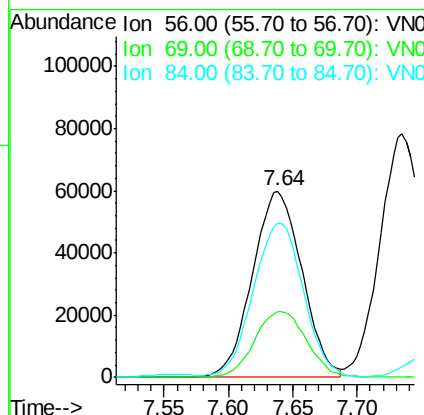
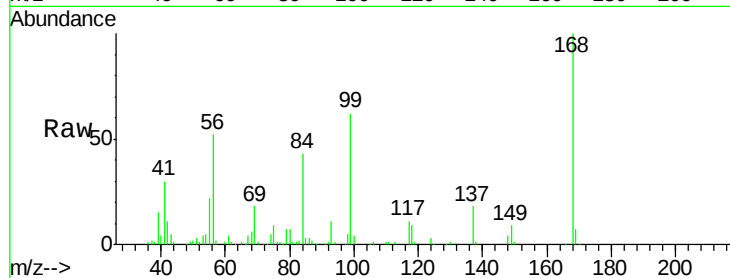
ClientSampled :

VN1001WBS01

Tot Ion:	56	Resp:	160293
Ion Ratio	Lower	Upper	
56	100		
69	35.2	26.2	39.4
84	81.3	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.865 ug/l

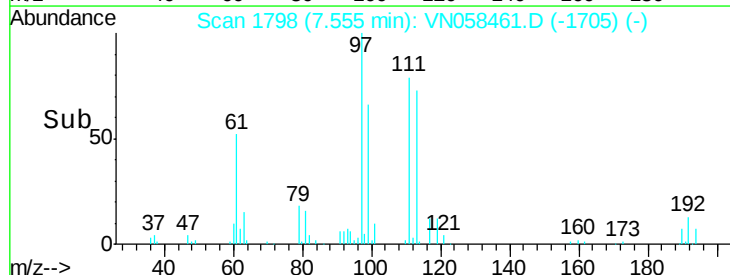
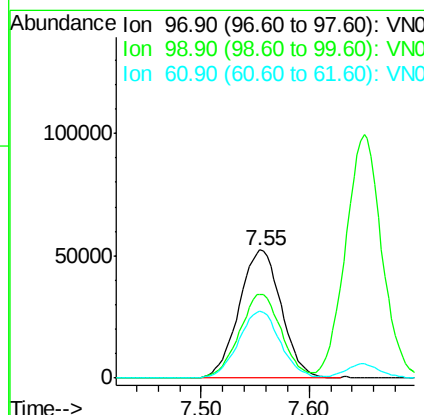
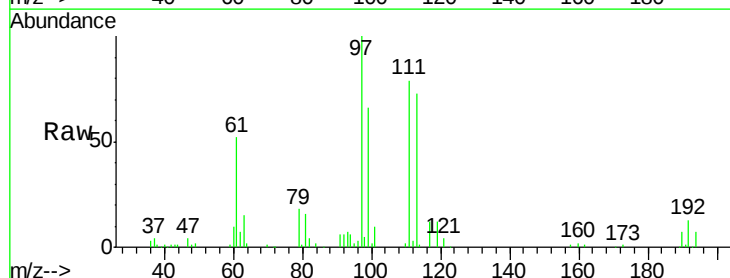
RT: 7.55 min Scan# 1798

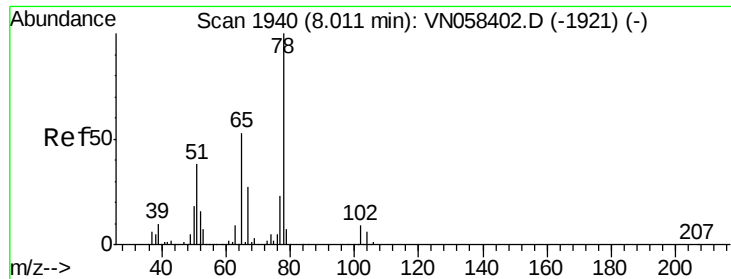
Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Tgt Ion:	97	Resp:	142705
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.1	76.7
61	51.5	39.2	58.8





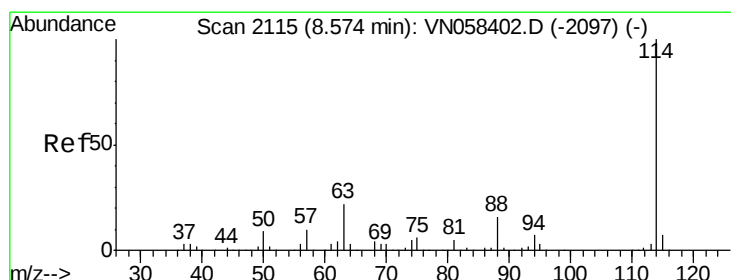
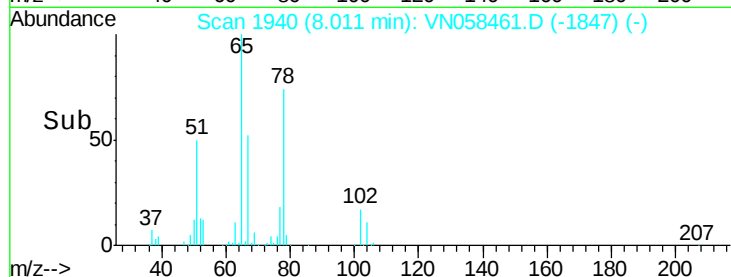
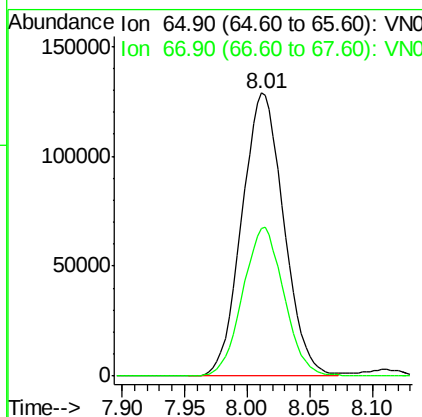
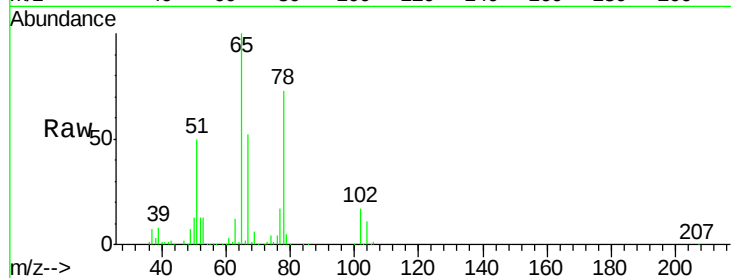
#33
 1,2-Dichloroethane-d4
 Concen: 54.494 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	300410		
67	51.6	0.0	102.4	

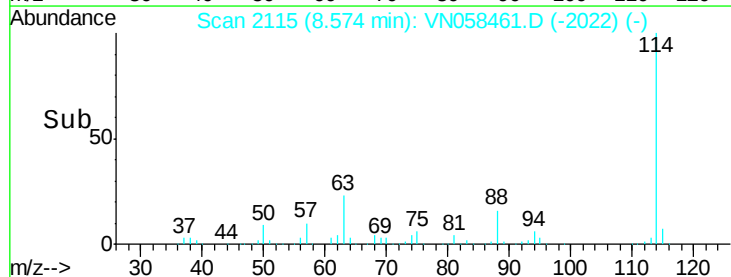
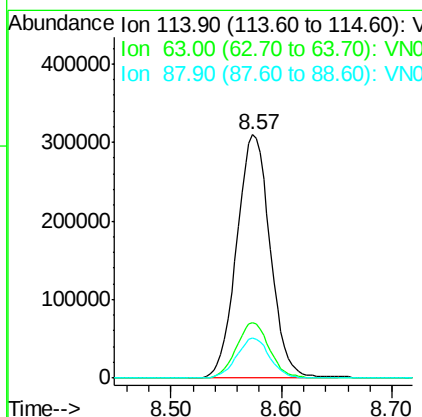
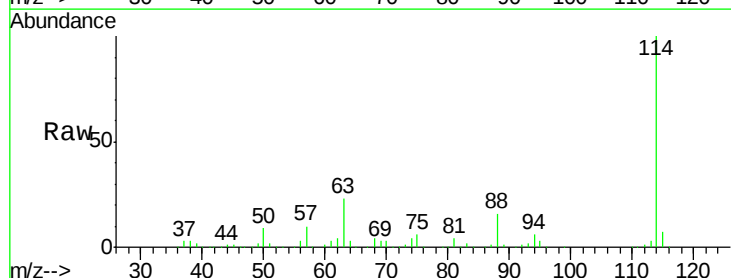
Manual Integrations
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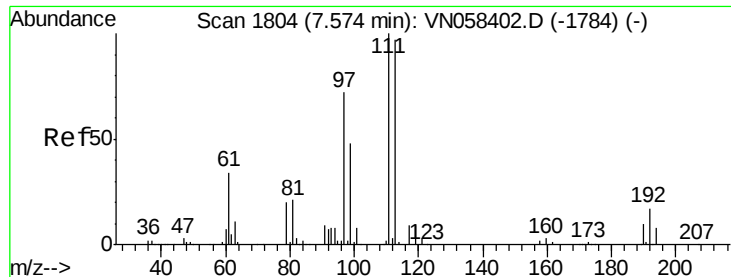
MMDadoda
 10/3/2019 12:35:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	652603		
63	22.9	0.0	45.0	
88	16.3	0.0	32.2	





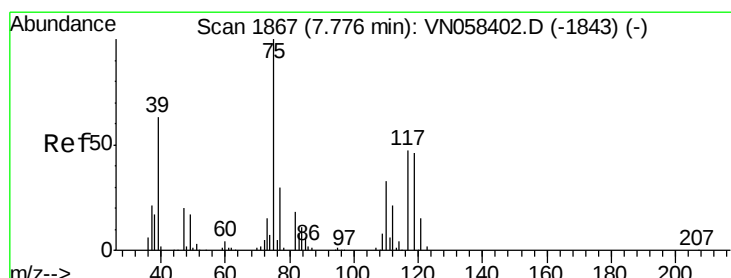
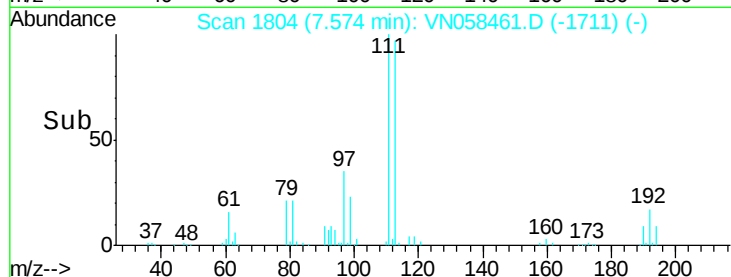
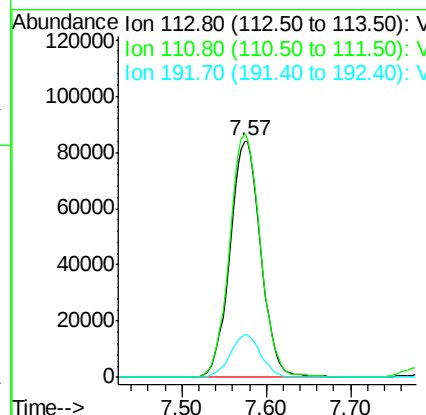
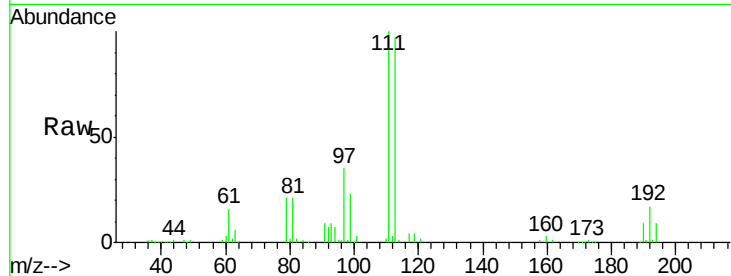
#35
 Dibromofluoromethane
 Concen: 53.191 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212749		
111	103.0	83.4	125.2	
192	18.0	14.9	22.3	

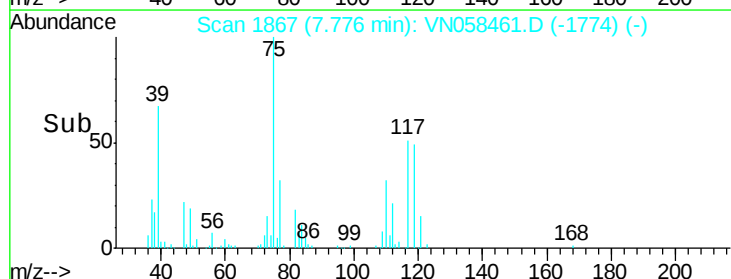
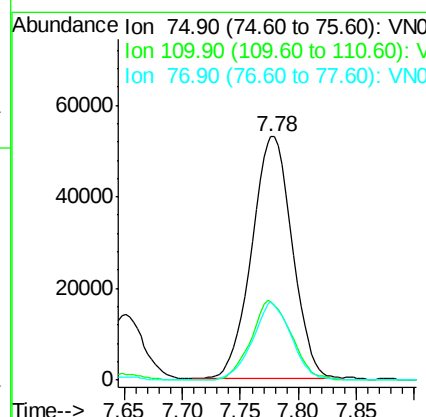
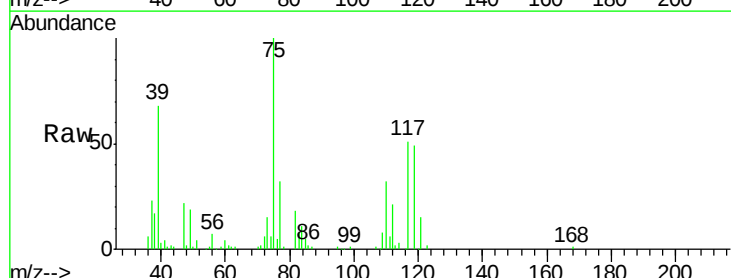
Manual Integrations
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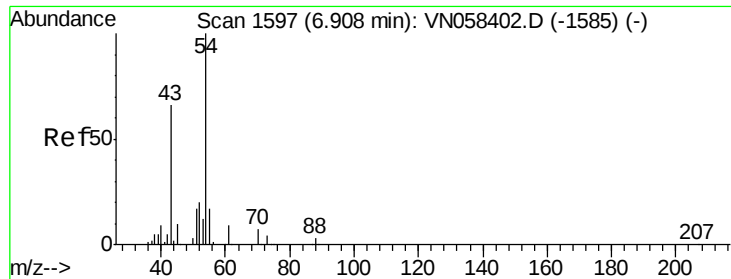
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 10/3/2019 12:35:51 PM



#36
 1,1-Dichloropropene
 Concen: 20.634 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128761		
110	32.5	16.4	49.2	
77	30.6	24.3	36.5	





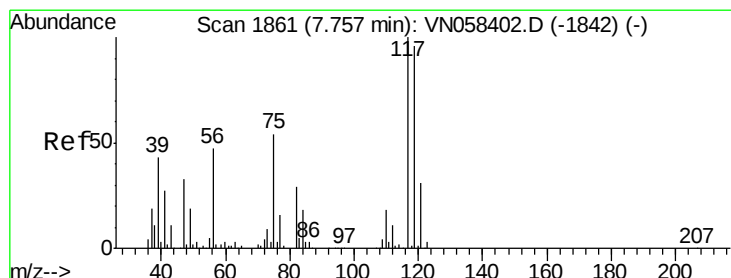
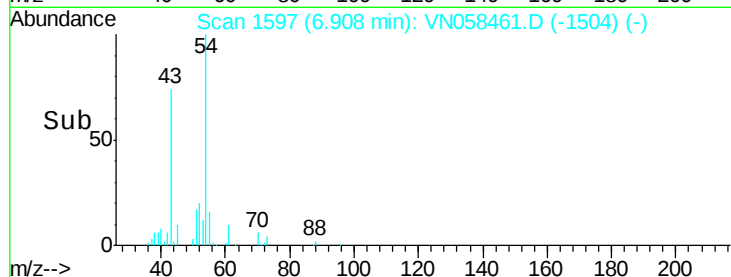
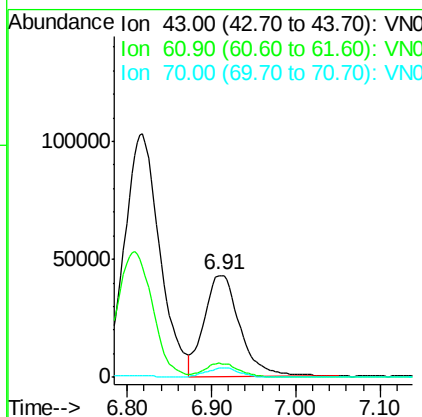
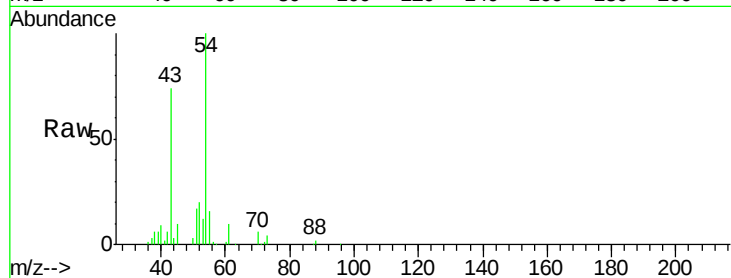
#37
Ethyl Acetate
Concen: 23.759 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	9.1	7.8	11.6

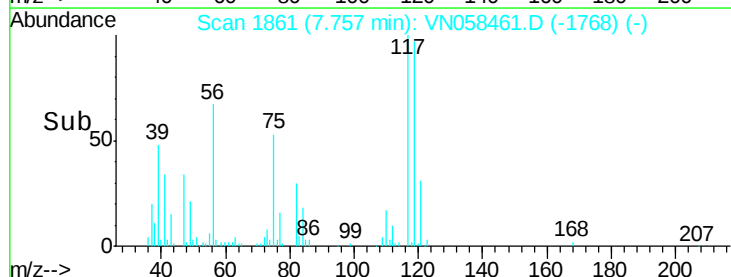
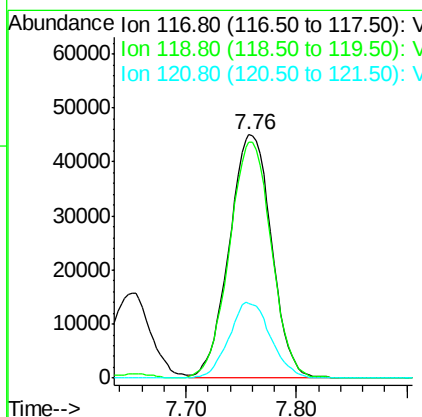
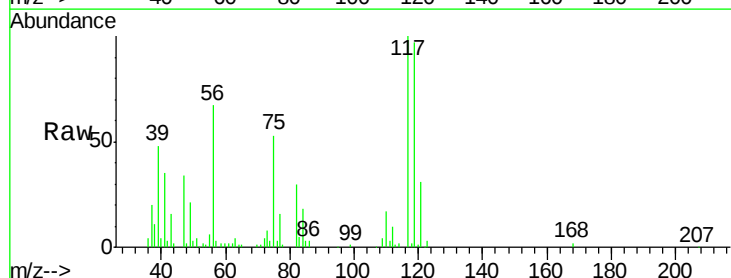
Manual Integrations
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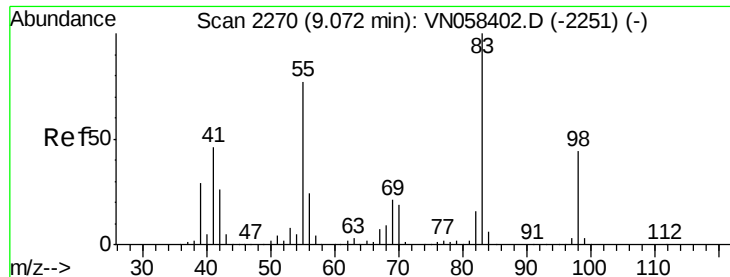
MMDadoda
10/3/2019 12:35:51 PM



#38
Carbon Tetrachloride
Concen: 21.210 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.6	115.0
121	30.9	24.7	37.1





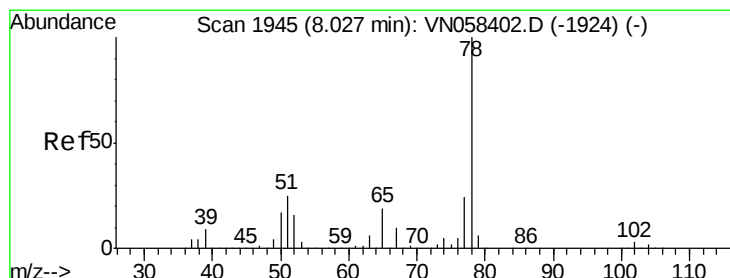
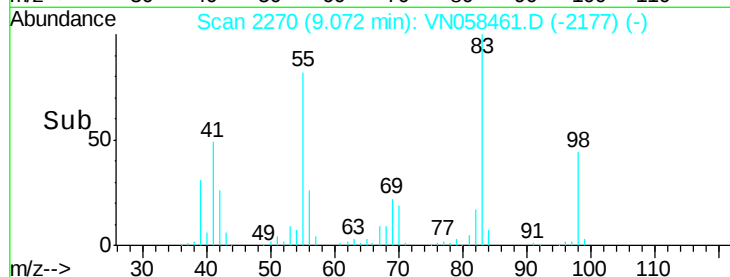
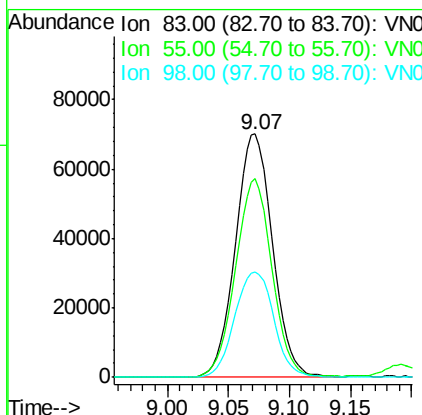
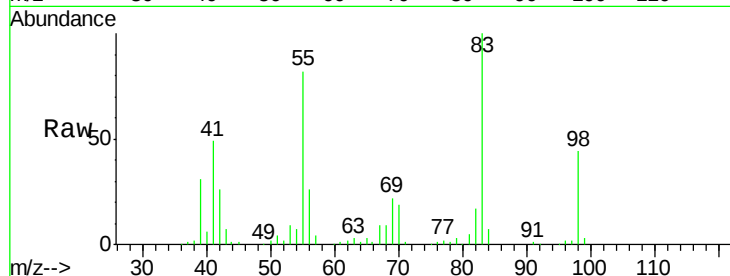
#39
Methvlcvclohexane
Concen: 20.277 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	61.8	92.6
98	43.5	35.4	53.0

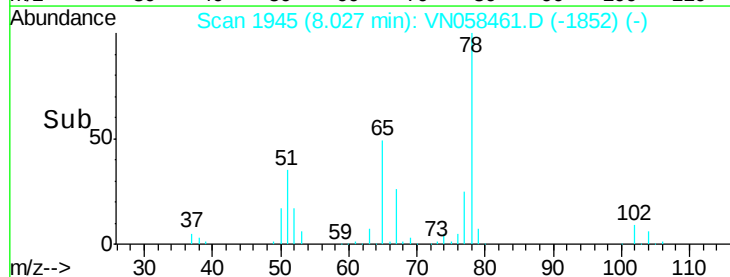
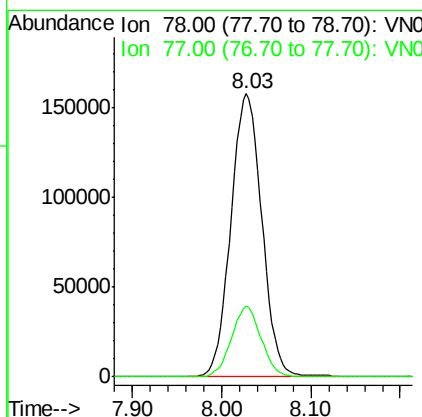
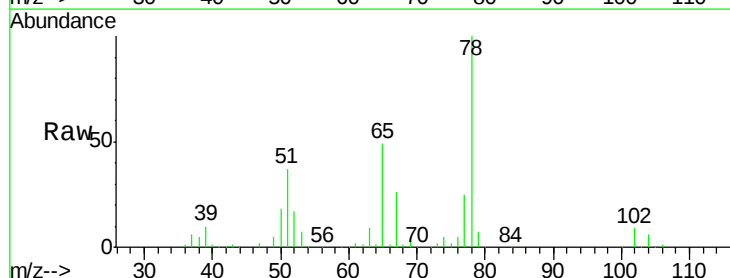
Manual Integrations
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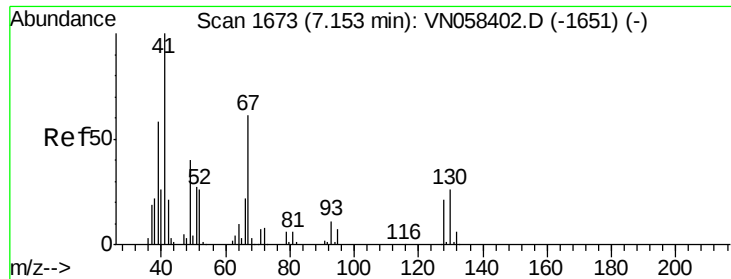
MMDadoda
10/3/2019 12:35:51 PM



#40
Benzene
Concen: 21.212 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.9	28.3





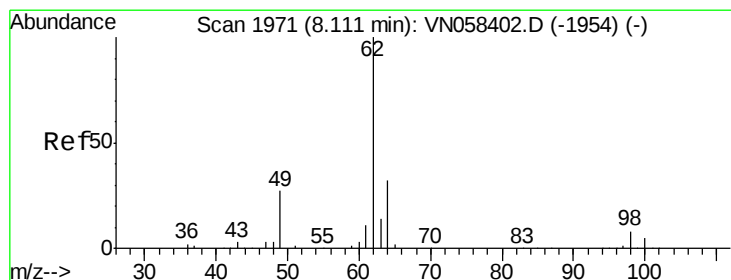
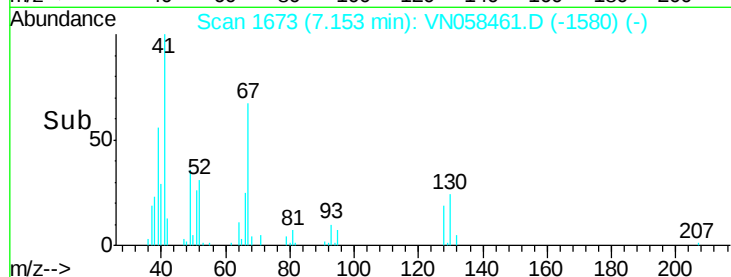
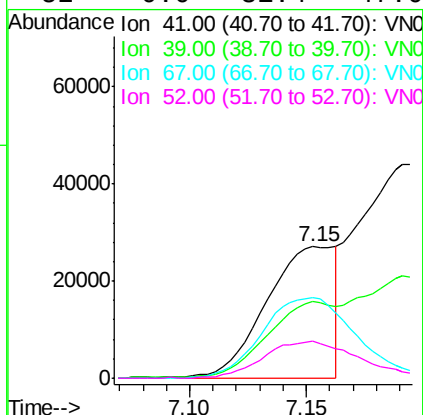
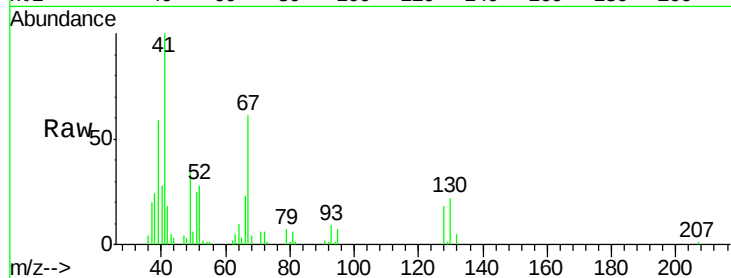
#41
Methacrylonitrile
Concen: 22.728 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

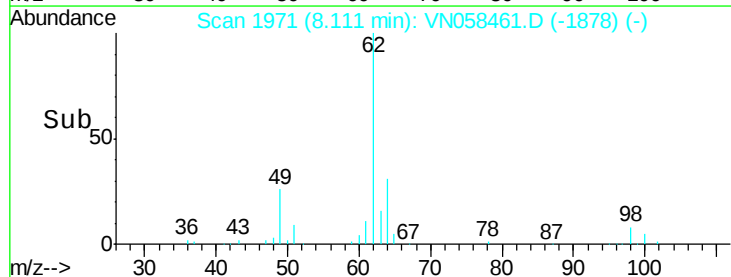
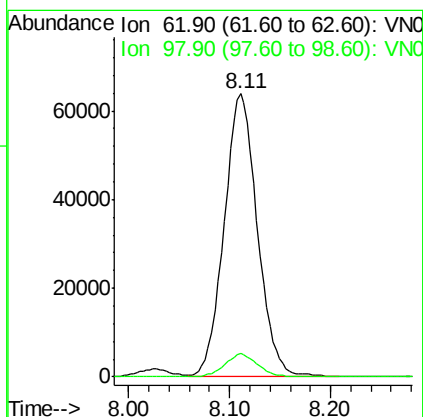
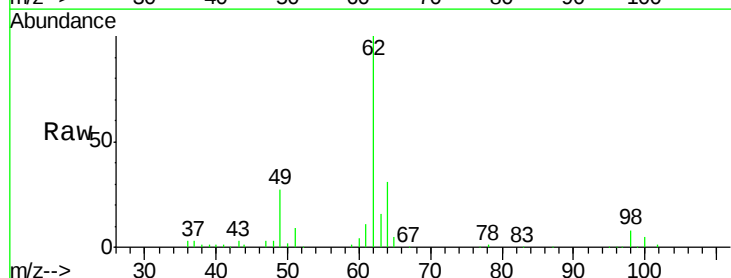
Manual Integrations
APPROVED

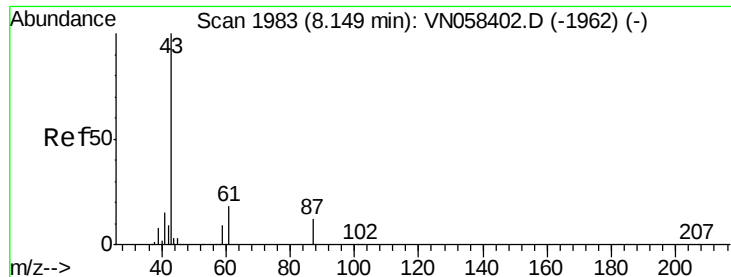
MMDadoda
10/3/2019 12:35:51 PM



#42
1,2-Dichloroethane
Concen: 21.033 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





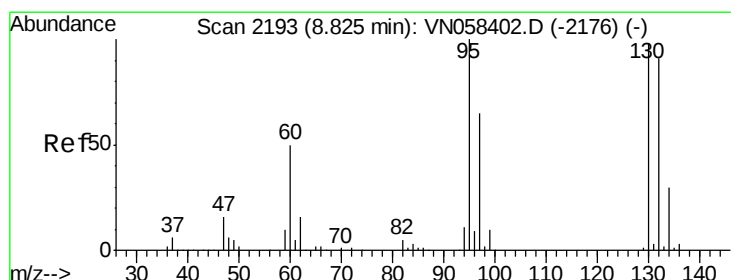
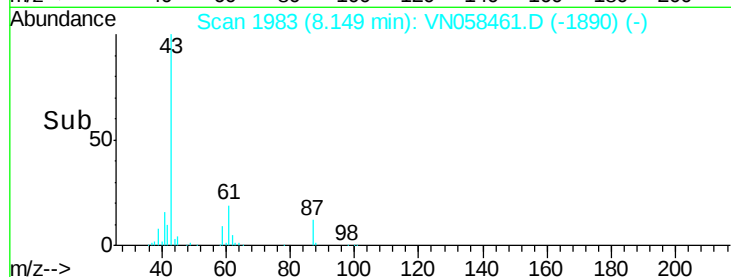
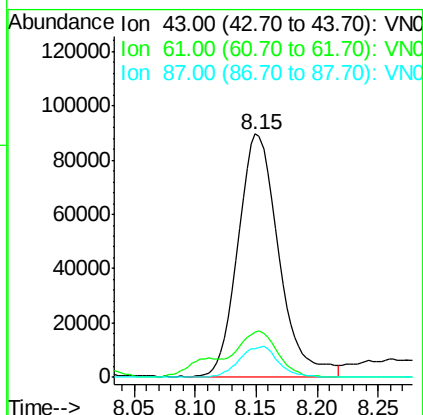
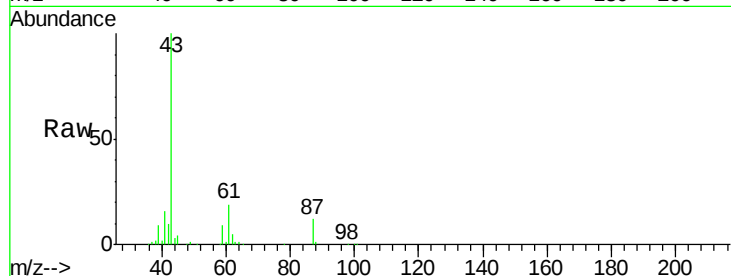
#43
Isopropyl Acetate
Concen: 20.683 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.8	22.2
87	12.2	9.7	14.5

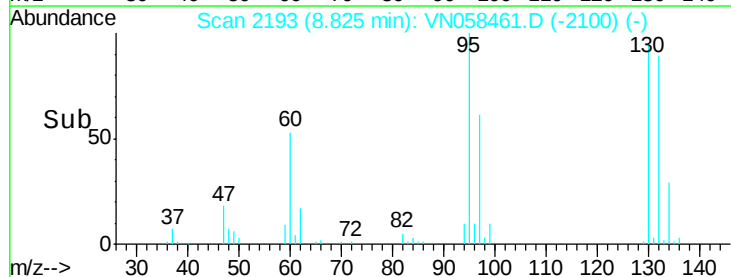
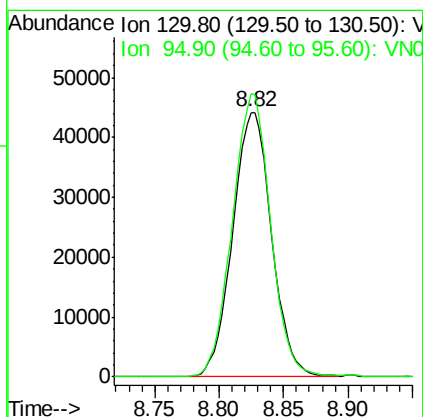
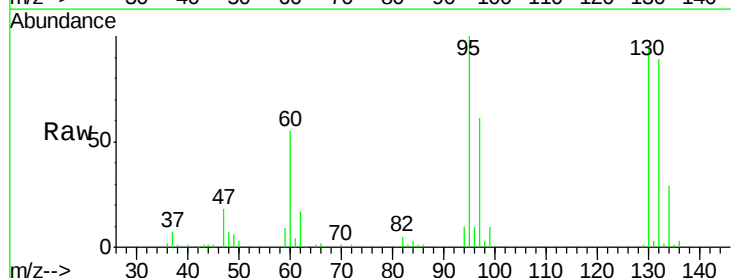
Manual Integrations
APPROVED

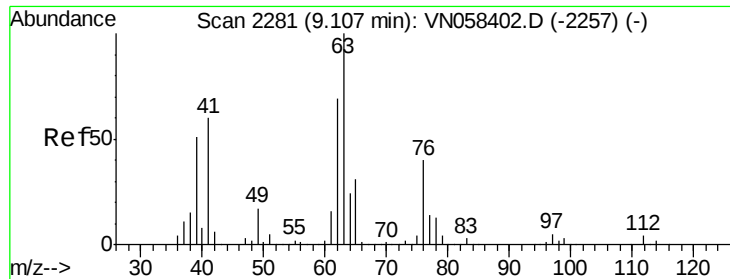
MMDadoda
10/3/2019 12:35:51 PM



#44
Trichloroethene
Concen: 20.948 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	204.2





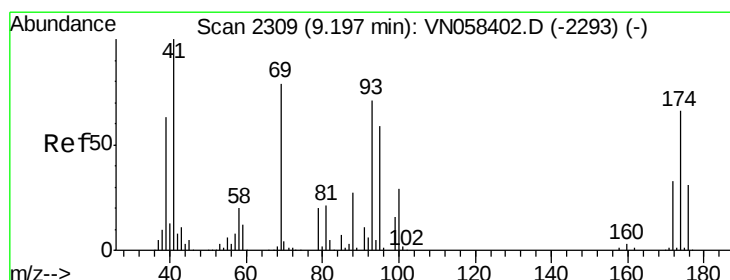
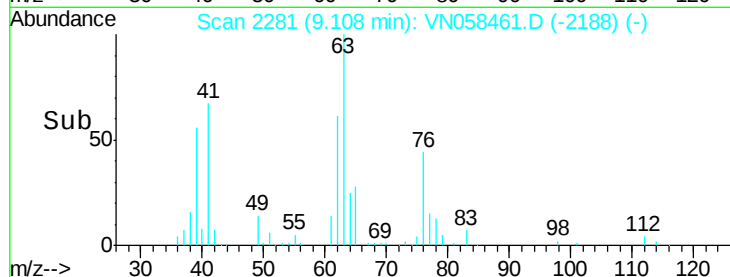
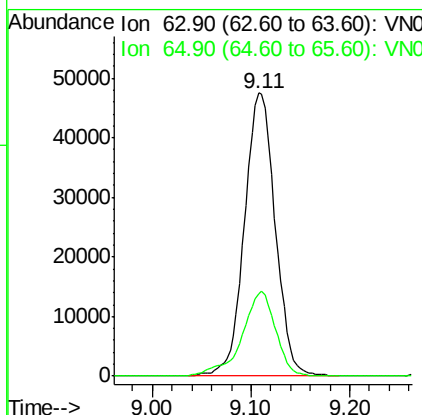
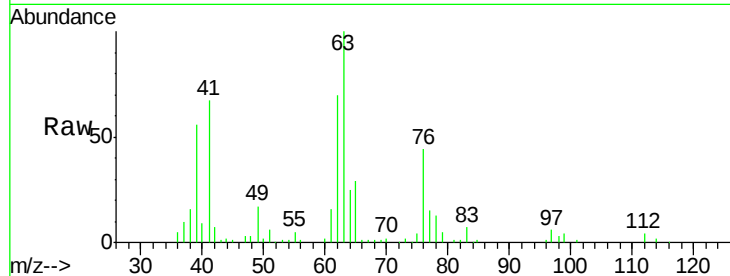
#45
 1,2-Dichloropropane
 Concen: 21.277 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion: 63 Resp: 102356
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.0 37.4

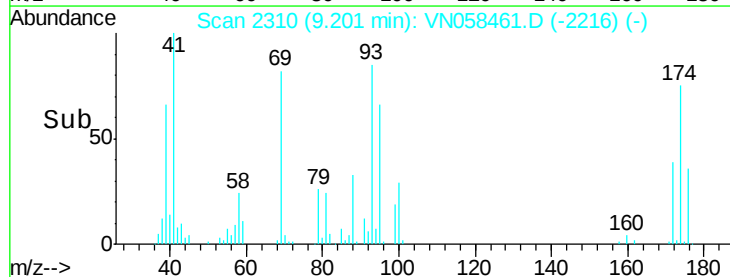
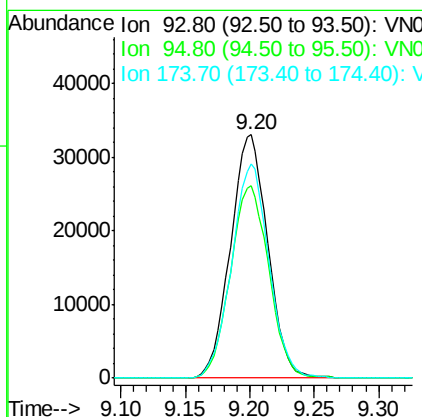
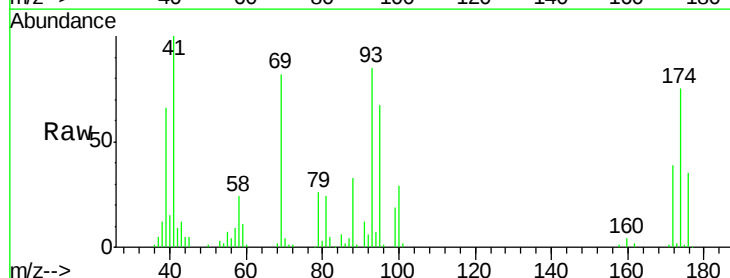
Manual Integrations
 APPROVED

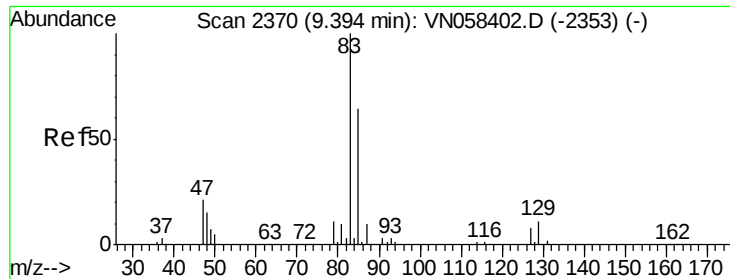
MMDadoda
 10/3/2019 12:35:51 PM



#46
 Dibromomethane
 Concen: 21.823 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion: 93 Resp: 66485
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.0 100.4
 174 87.9 74.2 111.2





#47

Bromodichloromethane

Concen: 22.160 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

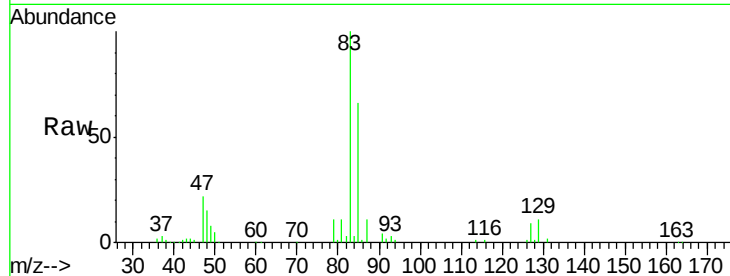
ClientSampleId :

VN1001WBS01

Tot Ion:	83	Resp:	127913
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.2	76.8
127	8.6	6.3	9.5

Manual Integrations
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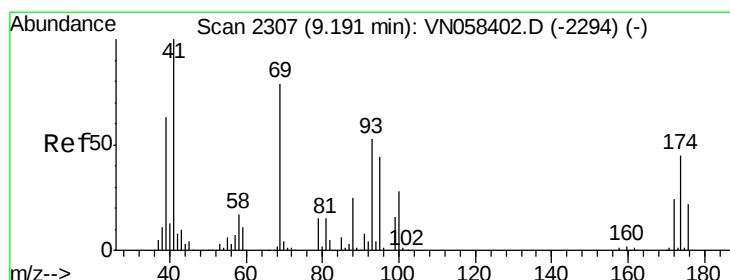
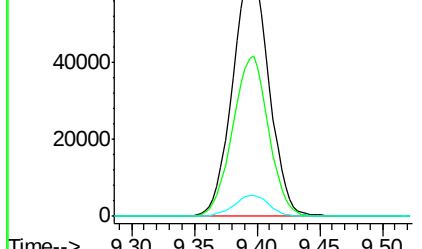
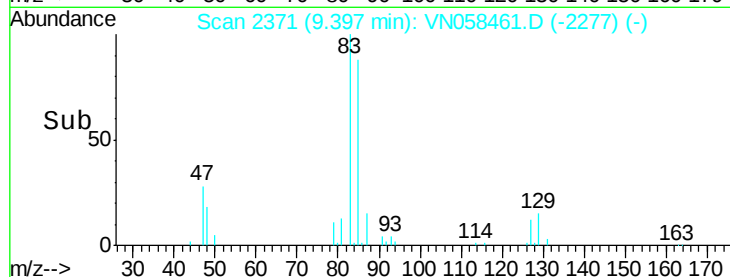


Abundance Ion 82.90 (82.60 to 83.60): VN058461.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058461.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058461.D (-2277) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.259 ug/l

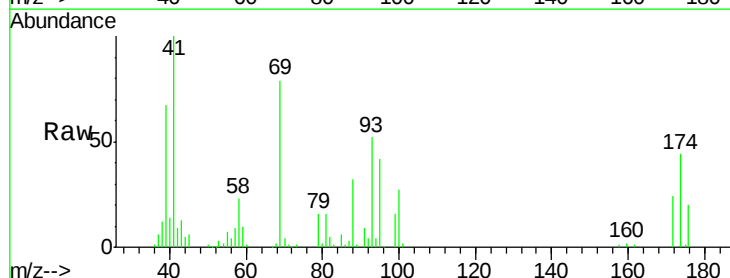
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Tgt Ion:	41	Resp:	96305
Ion Ratio	Lower	Upper	
41	100		
69	82.9	64.7	97.1
39	66.4	52.9	79.3

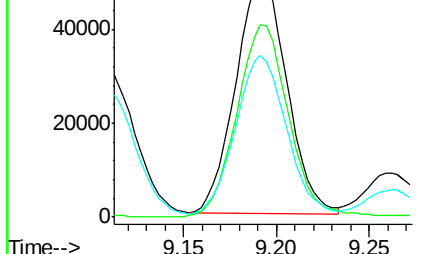
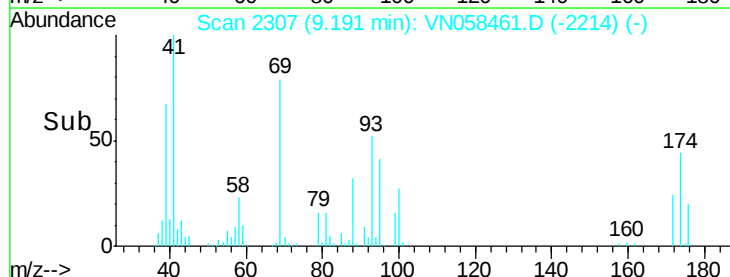


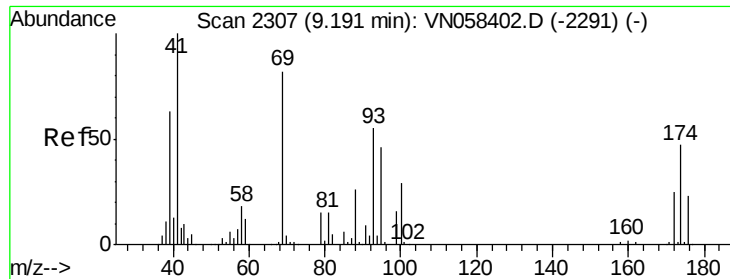
Abundance Ion 41.00 (40.70 to 41.70): VN058461.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058461.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058461.D (-2214) (-)

Time-->





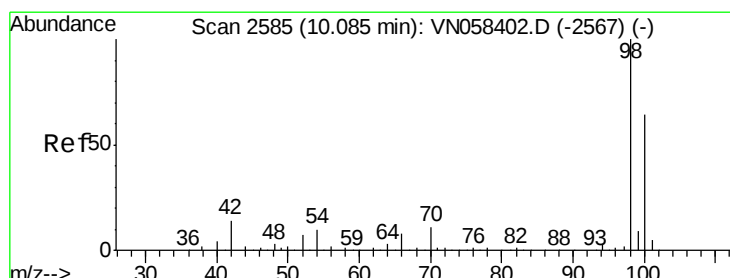
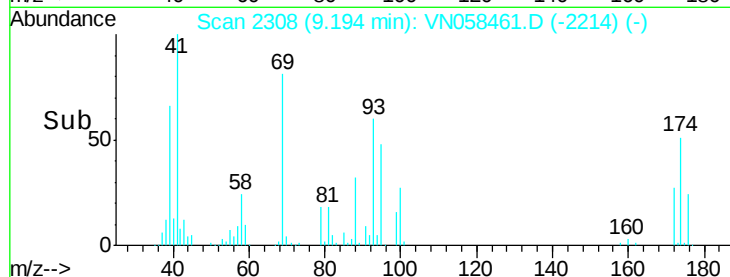
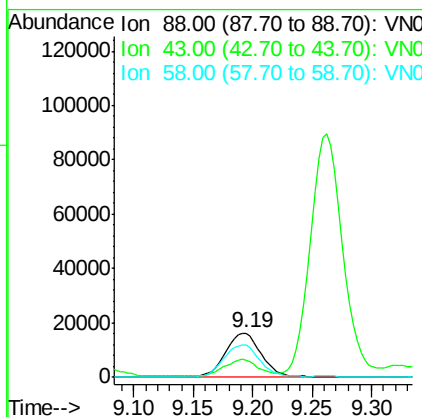
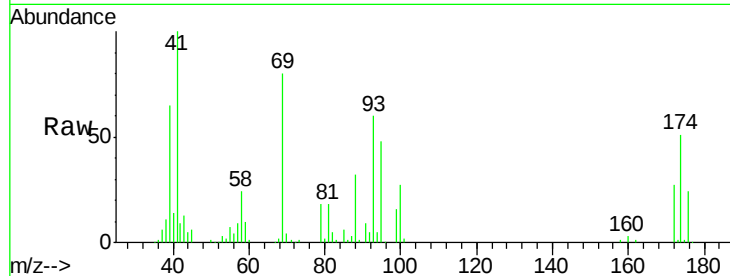
#49
1,4-Dioxane
Concen: 563.691 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	31.1	46.7
58	74.8	58.1	87.1

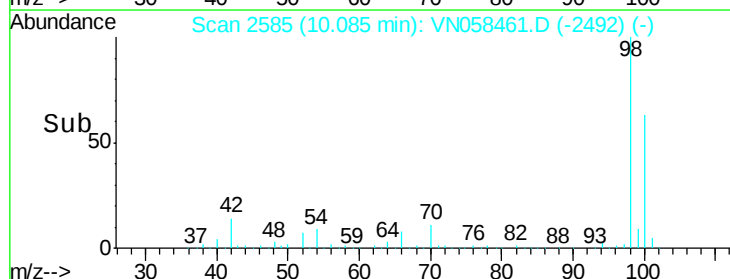
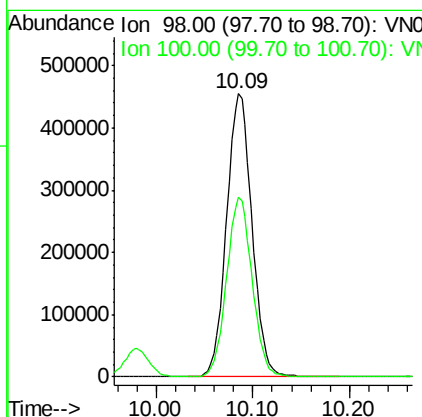
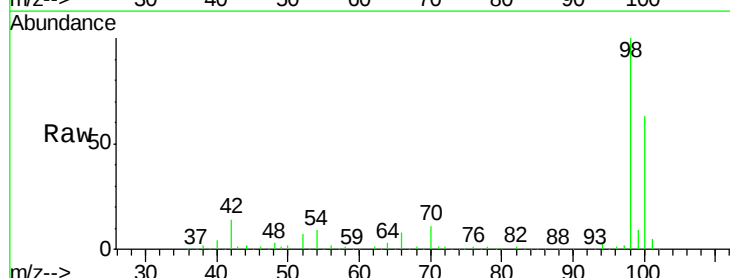
Manual Integrations
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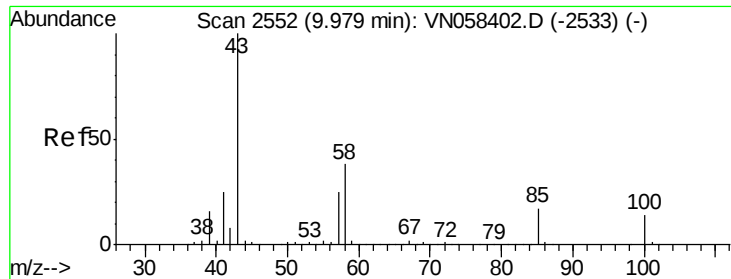
MMDadoda
10/3/2019 12:35:51 PM



#50
Toluene-d8
Concen: 53.045 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 120.726 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 43 Resp: 616951

Ion Ratio Lower Upper

43 100

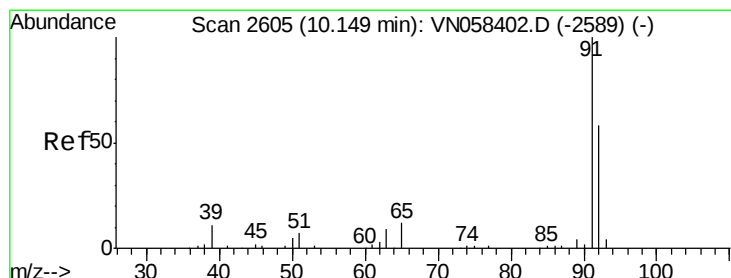
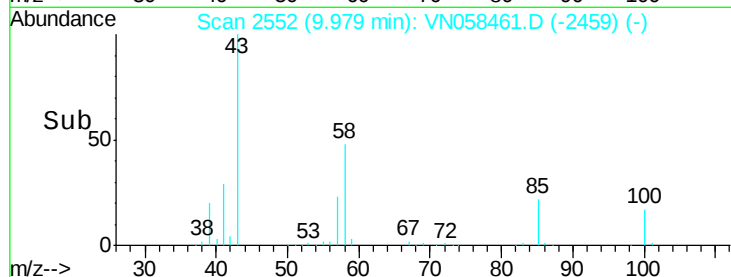
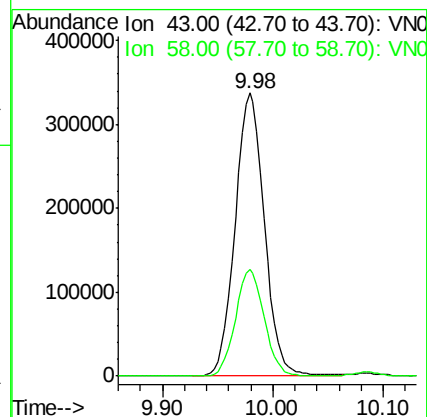
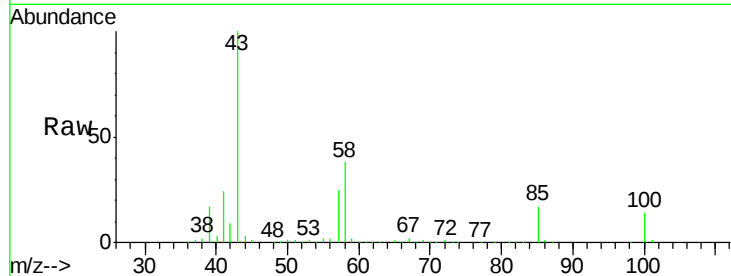
58 37.3 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 20.336 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058461.D

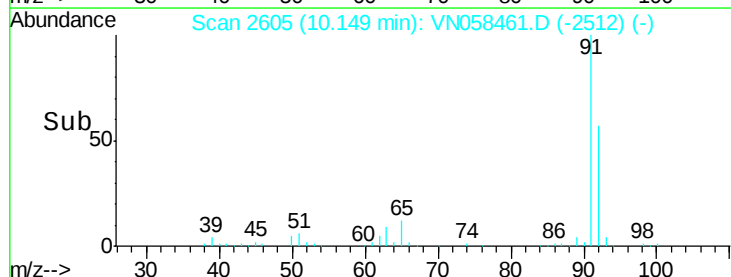
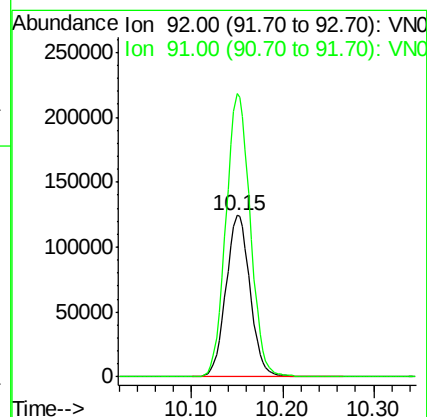
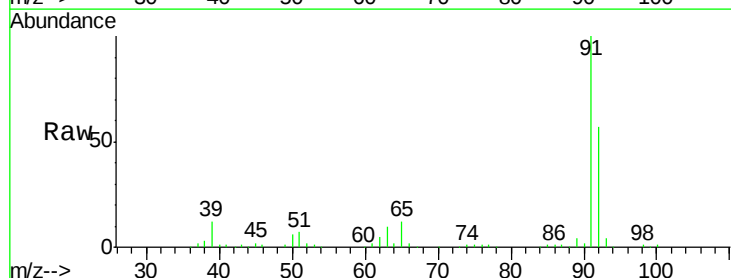
Acq: 1 Oct 2019 13:40

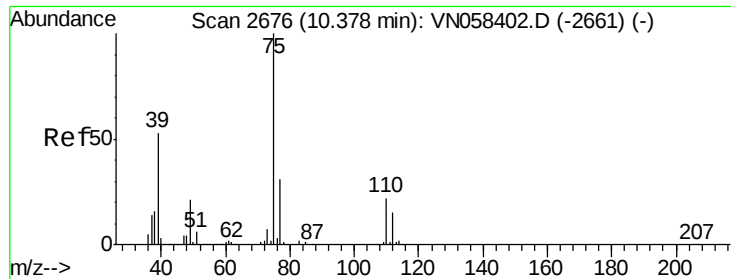
Tgt Ion: 92 Resp: 229599

Ion Ratio Lower Upper

92 100

91 176.7 140.2 210.4





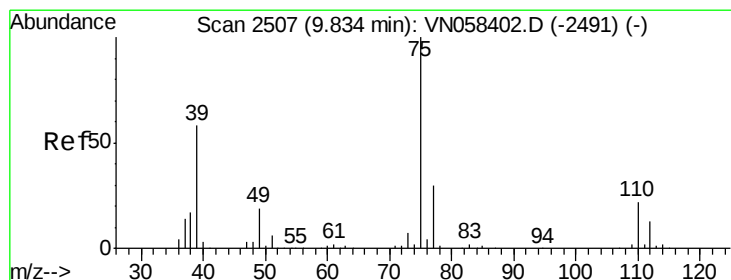
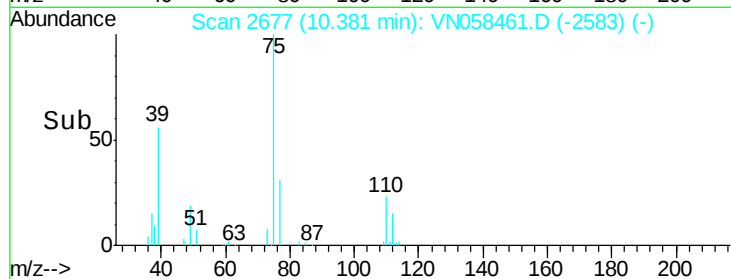
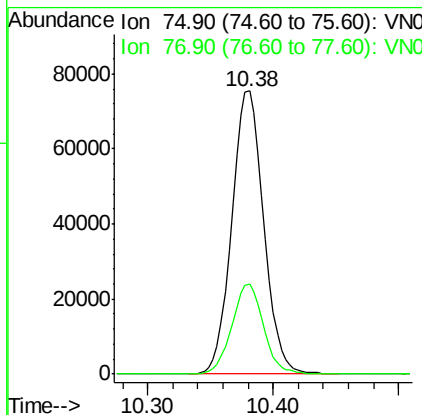
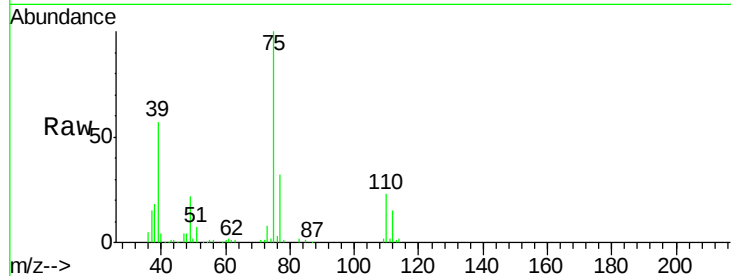
#53
t-1,3-Dichloropropene
Concen: 21.155 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion: 75 Resp: 132910
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

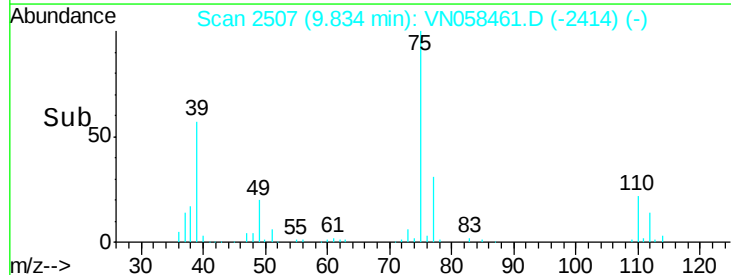
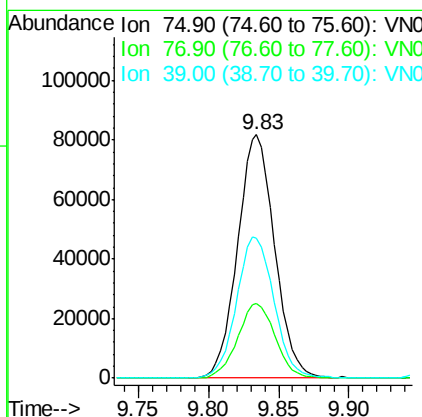
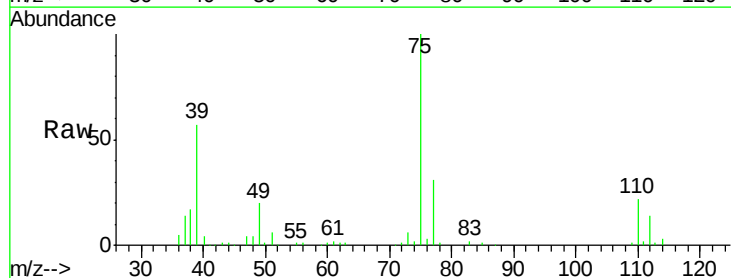
Manual Integrations
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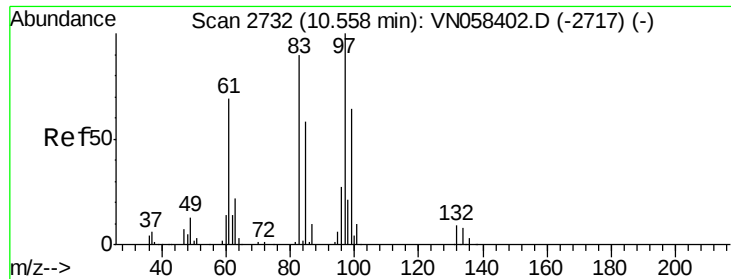
MMDadoda
10/3/2019 12:35:51 PM



#54
cis-1,3-Dichloropropene
Concen: 21.572 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion: 75 Resp: 150441
Ion Ratio Lower Upper
75 100
77 30.8 24.2 36.4
39 57.5 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 22.030 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

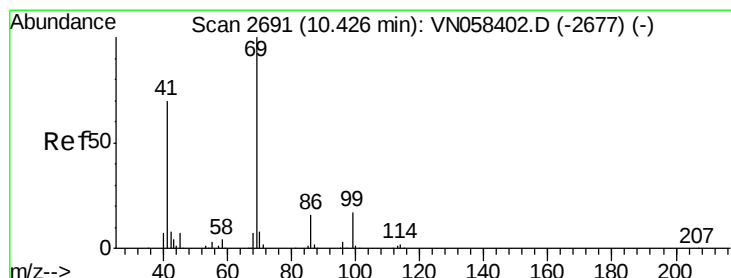
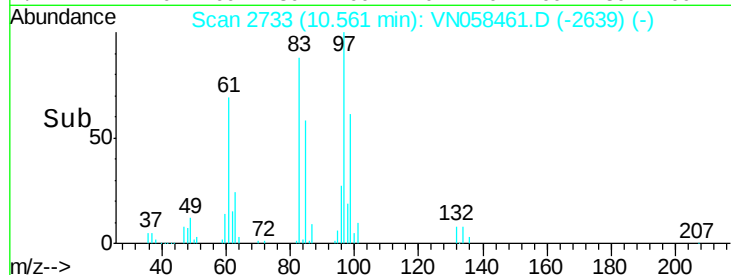
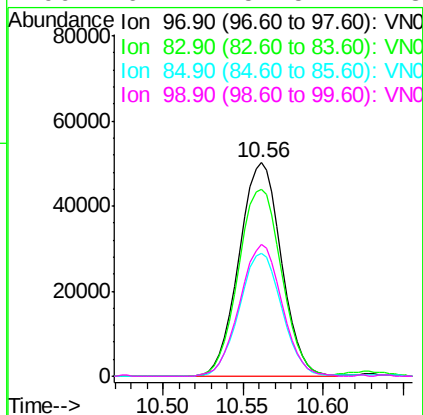
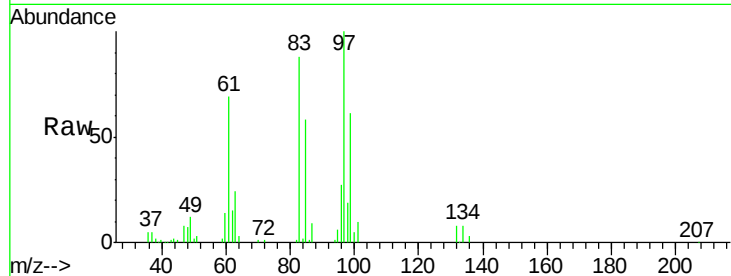
ClientSampleId :

VN1001WBS01

Tot Ion:	97	Resp:	90564
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.8	107.6
85	57.8	46.6	69.8
99	61.4	51.5	77.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.573 ug/l

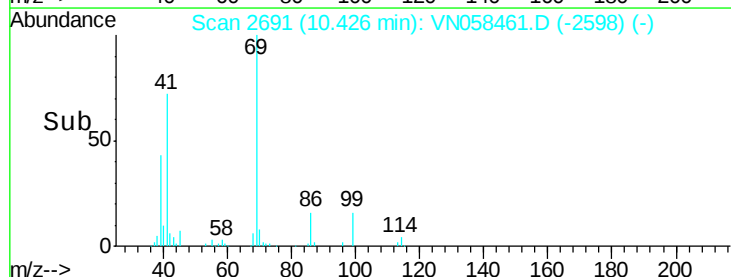
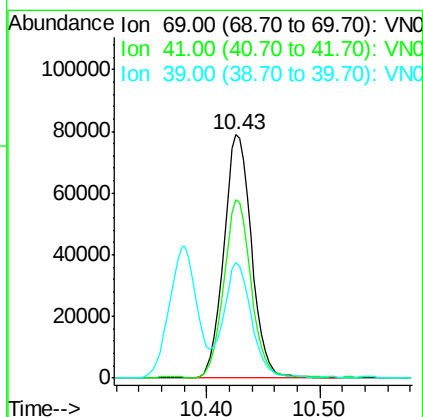
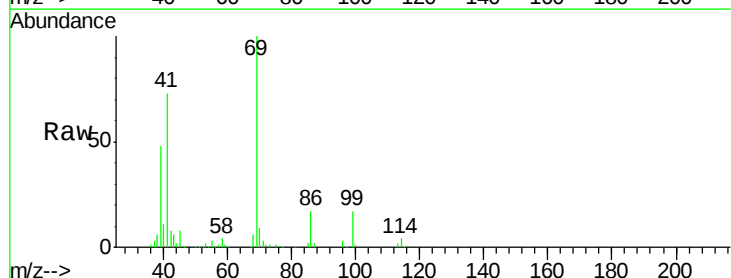
RT: 10.43 min Scan# 2691

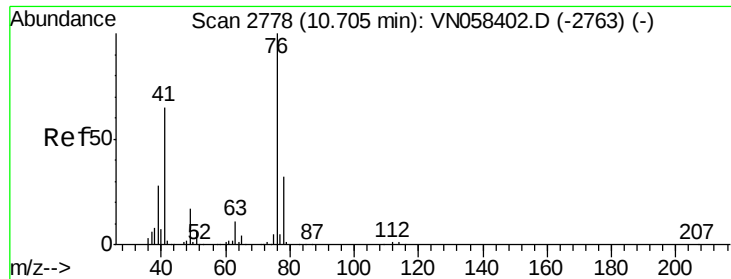
Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Tgt Ion:	69	Resp:	134569
Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.3	84.5
39	45.7	35.8	53.6





#57

1,3-Dichloropropane

Concen: 21.811 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 76 Resp: 159931

Ion Ratio Lower Upper

76 100

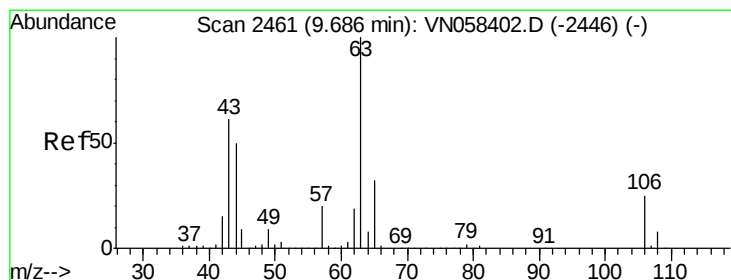
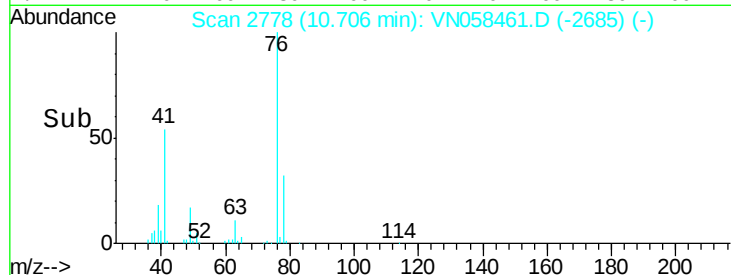
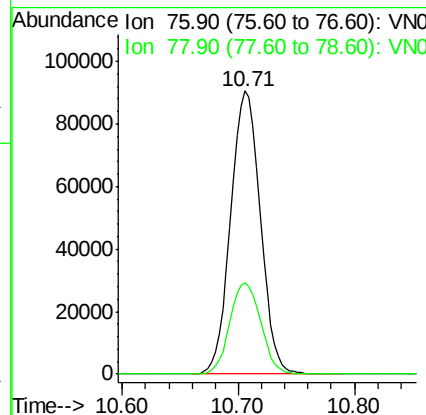
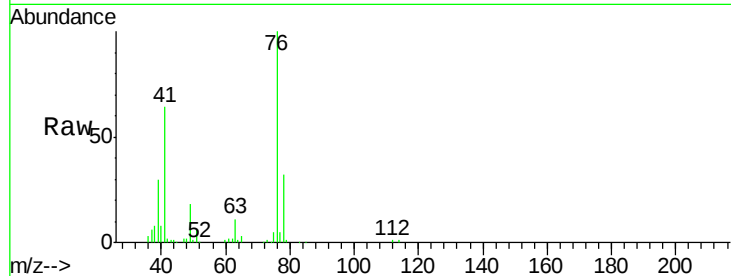
78 33.6 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 109.454 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058461.D

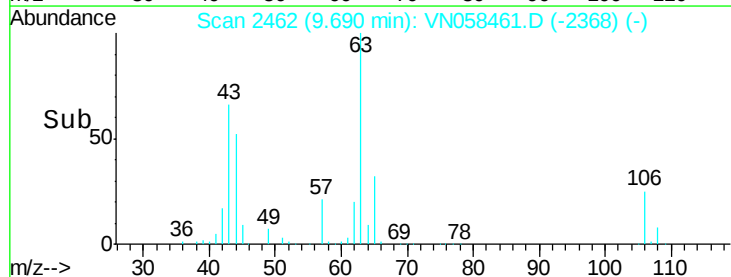
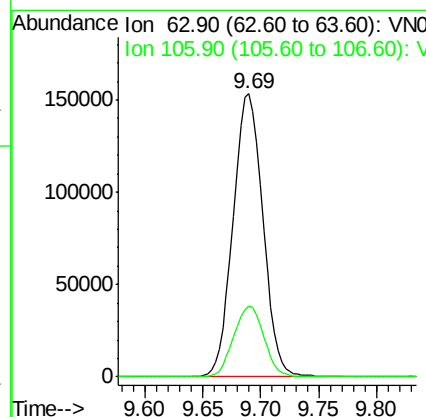
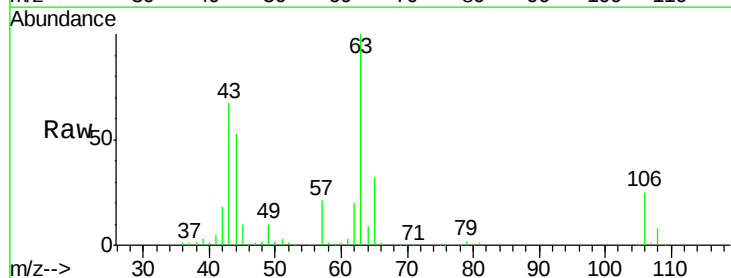
Acq: 1 Oct 2019 13:40

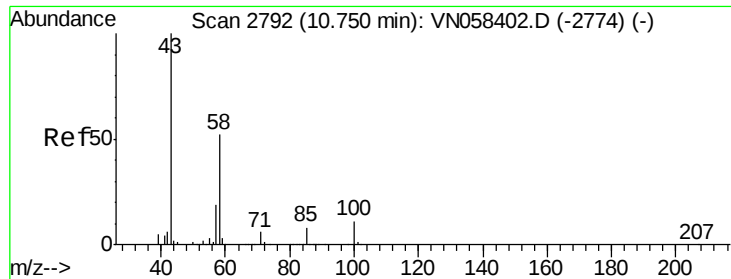
Tgt Ion: 63 Resp: 272251

Ion Ratio Lower Upper

63 100

106 25.4 20.3 30.5





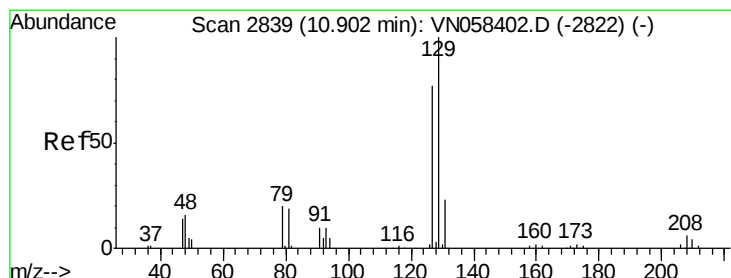
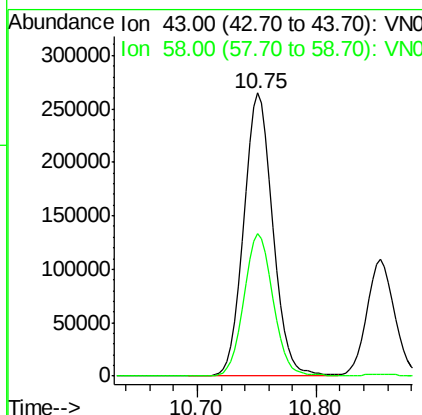
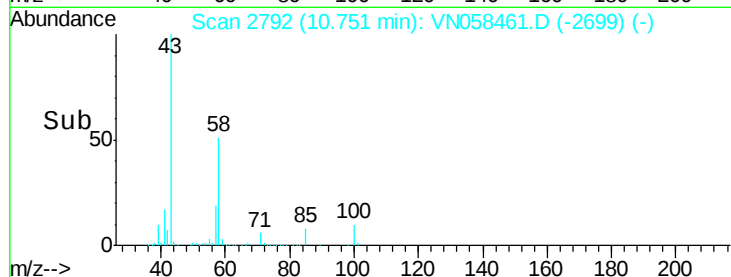
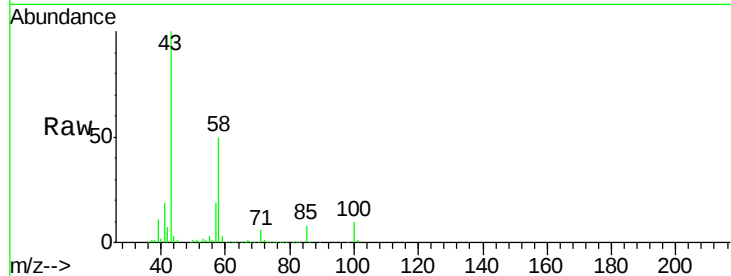
#59
2-Hexanone
Concen: 120.016 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion: 43 Resp: 446592
Ion Ratio Lower Upper
43 100
58 50.9 25.8 77.3

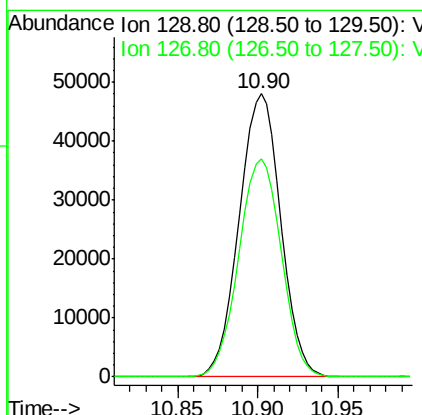
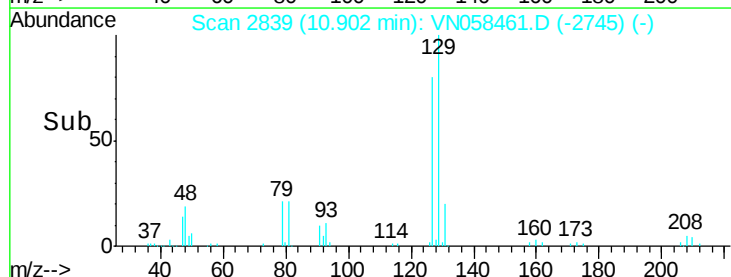
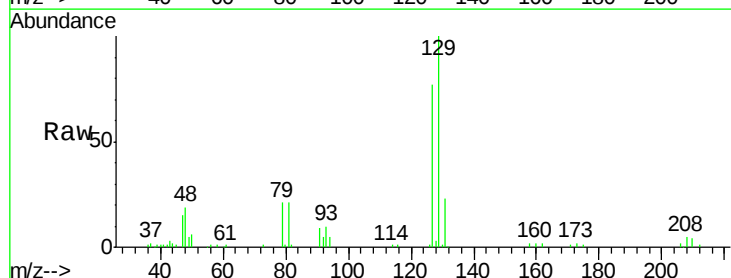
Manual Integrations
APPROVED

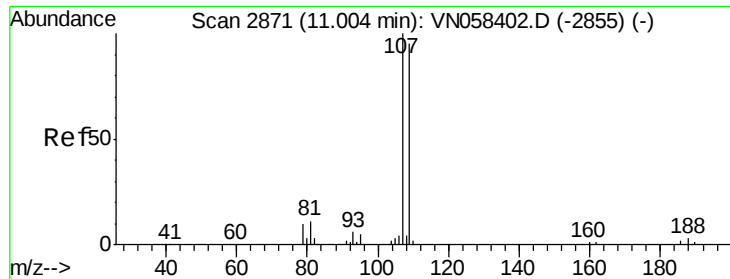
MMDadoda
10/3/2019 12:35:51 PM



#60
Dibromochloromethane
Concen: 19.676 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion:129 Resp: 85191
Ion Ratio Lower Upper
129 100
127 78.9 38.3 114.8





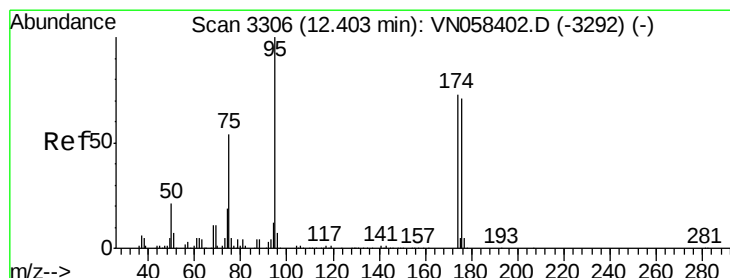
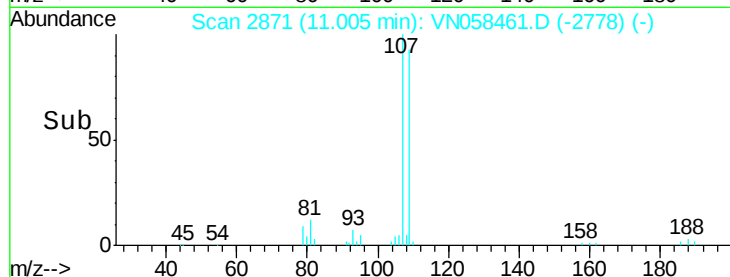
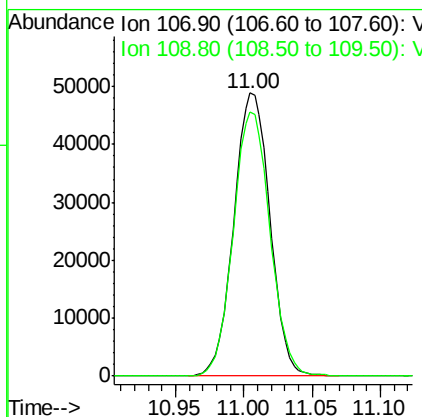
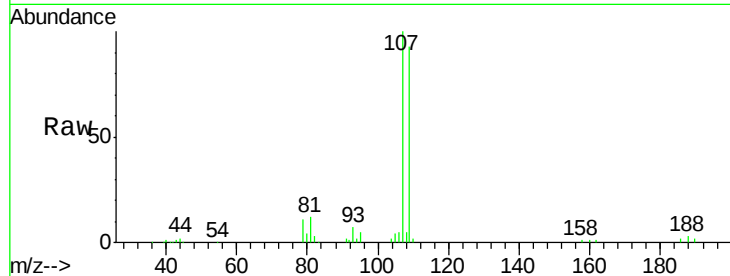
#61
 1,2-Dibromoethane
 Concen: 21.392 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion: 107 Resp: 89860
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.3 112.9

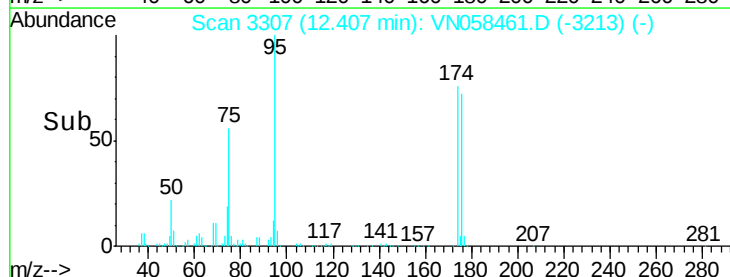
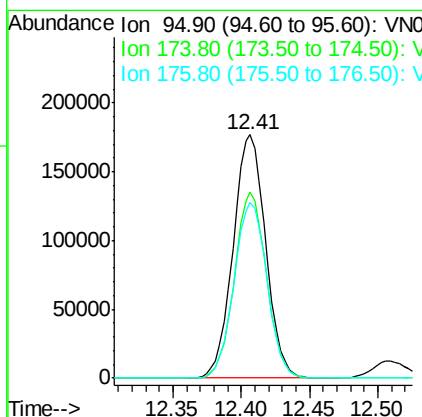
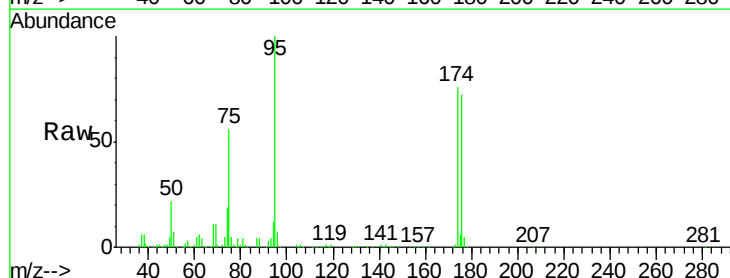
Manual Integrations
 APPROVED

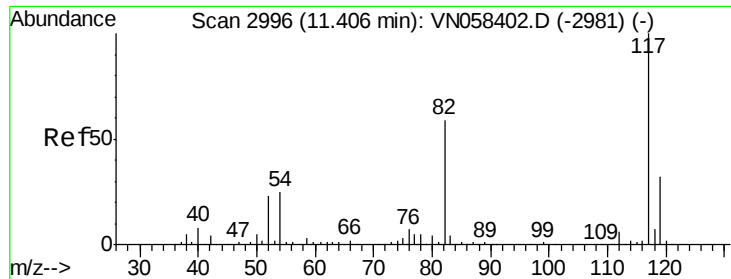
MMDadoda
 10/3/2019 12:35:51 PM



#62
 4-Bromofluorobenzene
 Concen: 51.633 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion: 95 Resp: 292526
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.6
 176 73.4 0.0 146.2





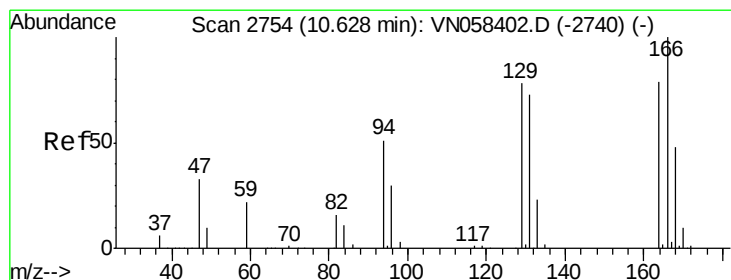
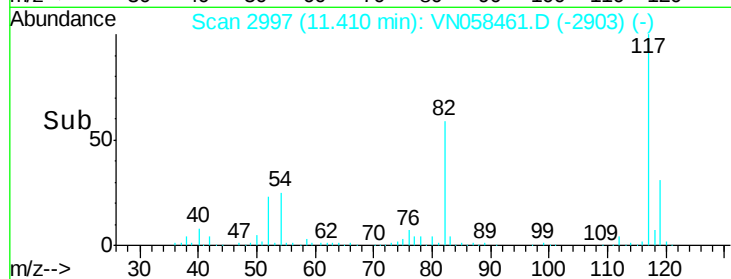
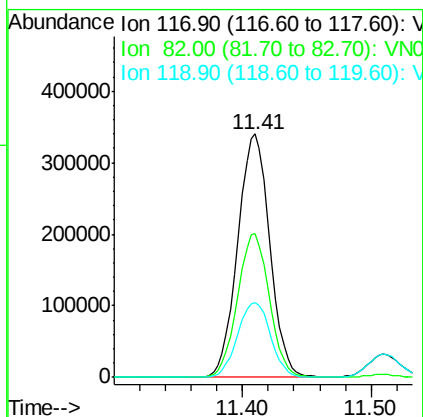
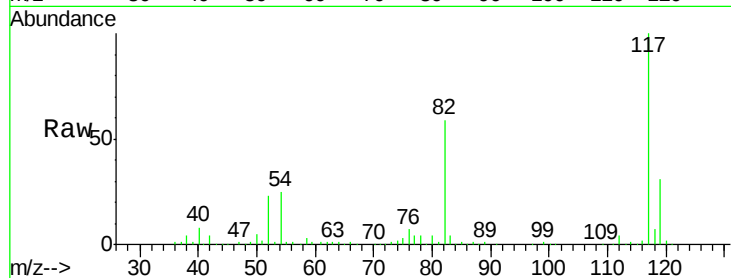
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.4	71.0
119	30.8	25.5	38.3

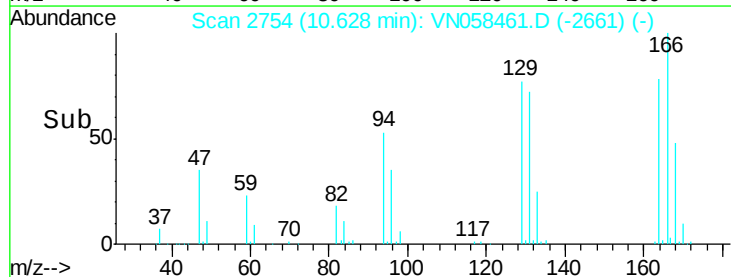
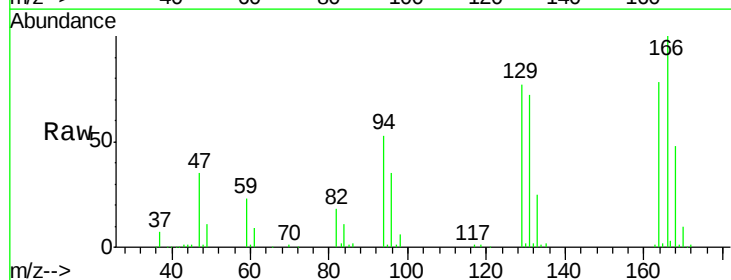
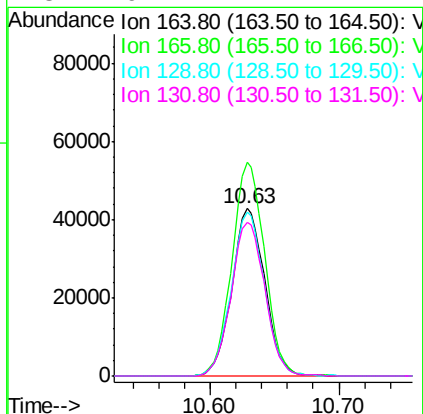
Manual Integrations
APPROVED

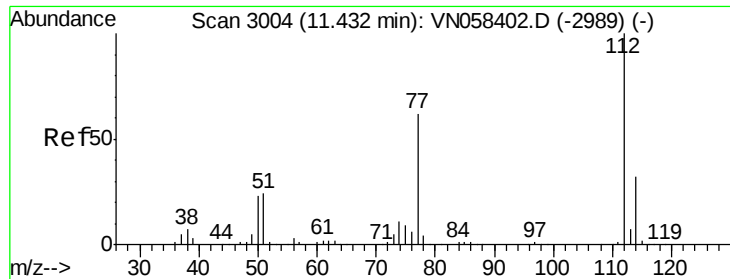
MMDadoda
10/3/2019 12:35:51 PM



#64
Tetrachloroethene
Concen: 20.301 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.1	151.7
129	98.0	79.2	118.8
131	92.1	74.1	111.1





#65

Chlorobenzene

Concen: 20.792 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion:112 Resp: 243193

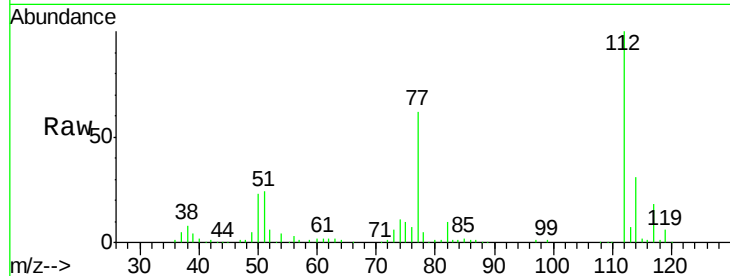
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.2

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

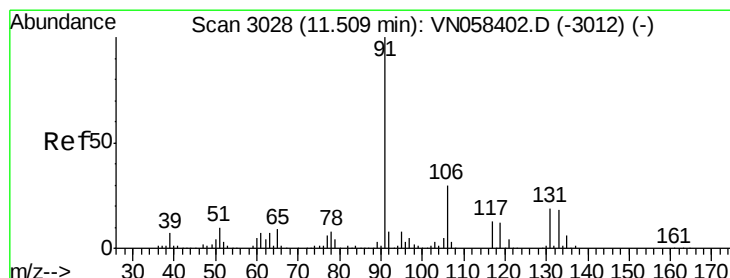
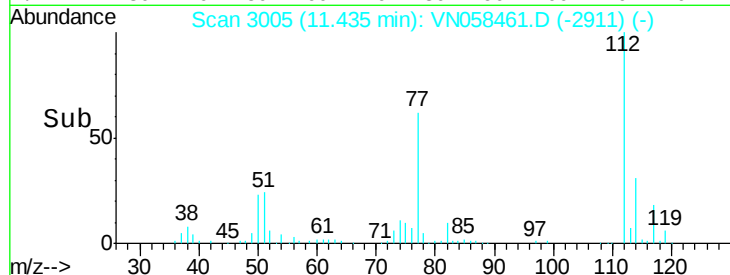
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.323 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

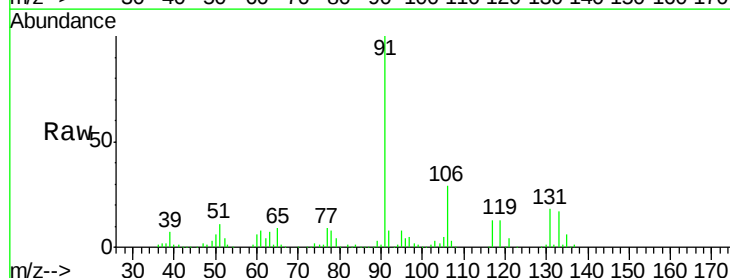
Tgt Ion:131 Resp: 84032

Ion Ratio Lower Upper

131 100

133 94.7 47.8 143.3

119 68.2 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

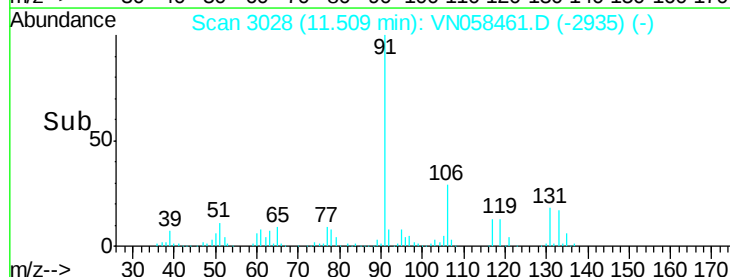
11.51

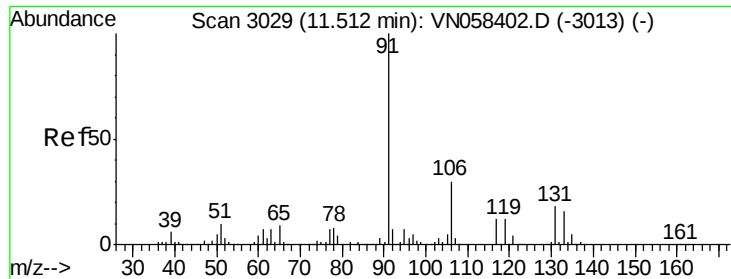
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 21.347 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 91 Resp: 452247

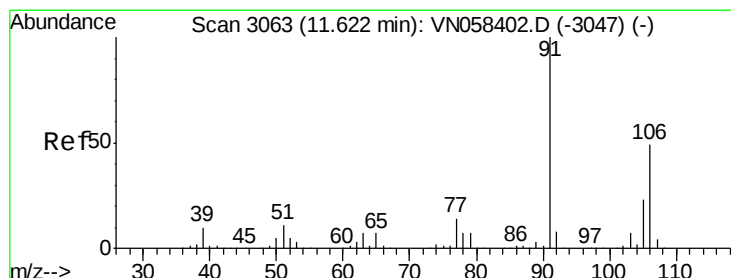
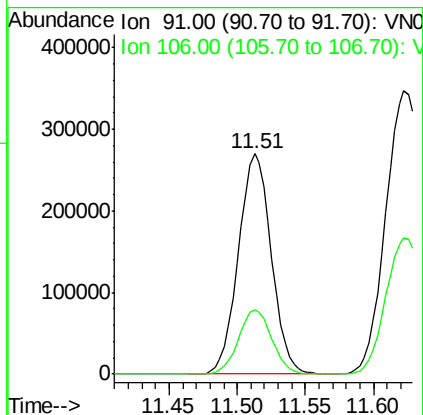
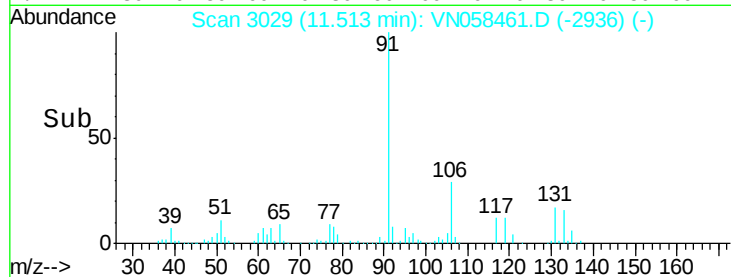
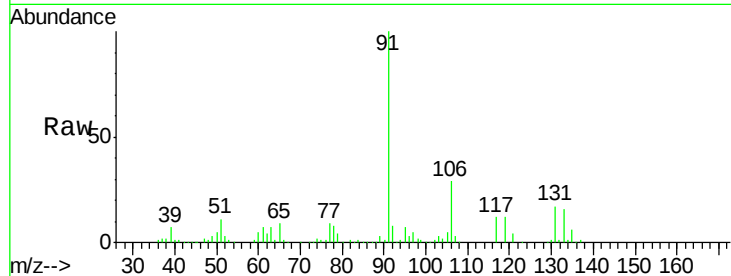
Ion Ratio Lower Upper

91 100

106 29.2 24.3 36.5

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:35:51 PM



#68

m/p-Xylenes

Concen: 41.442 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058461.D

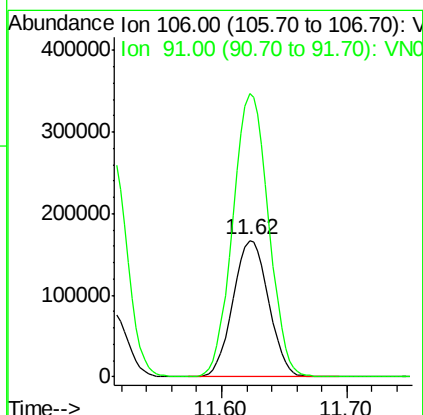
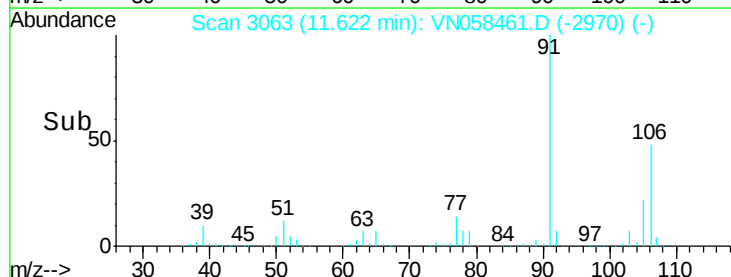
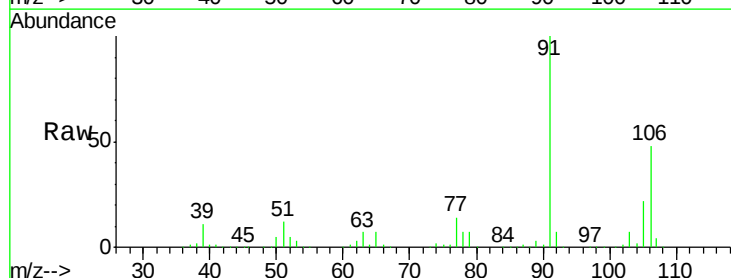
Acq: 1 Oct 2019 13:40

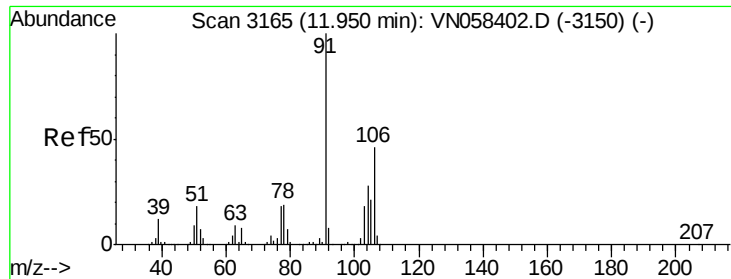
Tgt Ion: 106 Resp: 330335

Ion Ratio Lower Upper

106 100

91 207.6 165.0 247.4





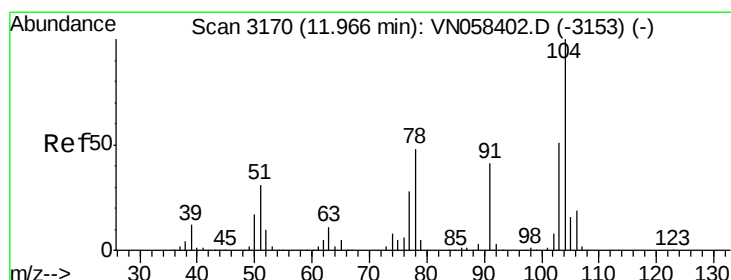
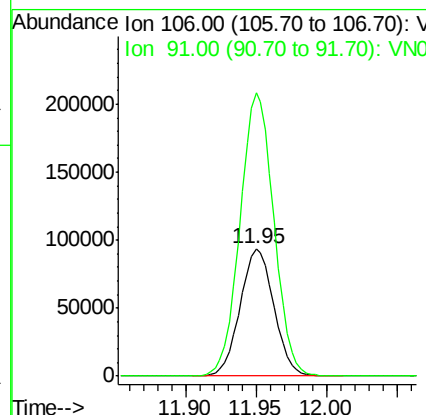
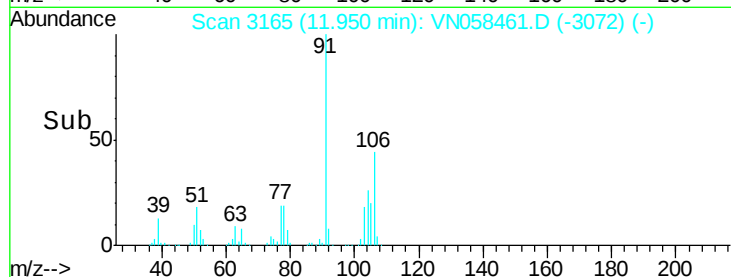
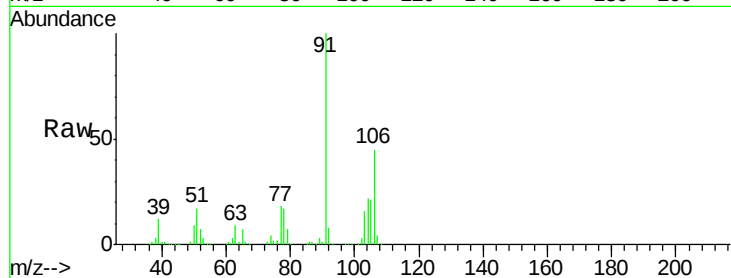
#69
o-Xylene
Concen: 20.550 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion:106 Resp: 157684
Ion Ratio Lower Upper
106 100
91 221.3 109.1 327.4

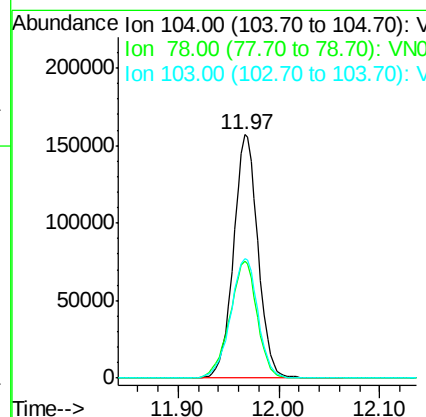
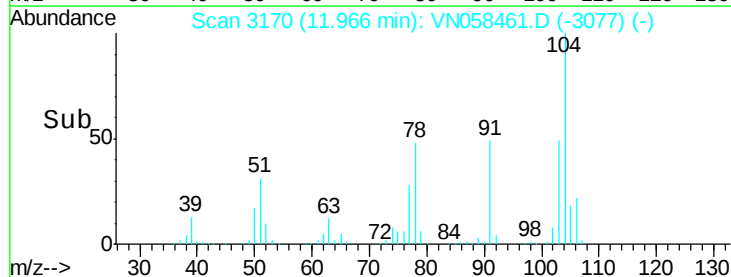
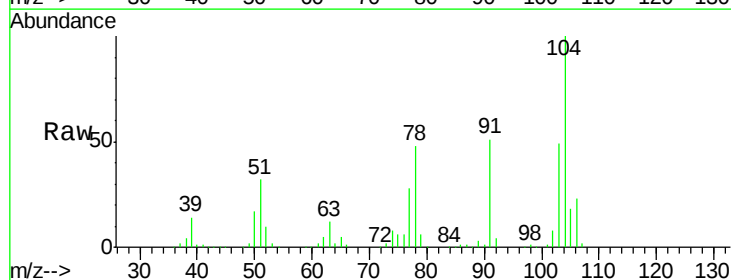
Manual Integrations
APPROVED

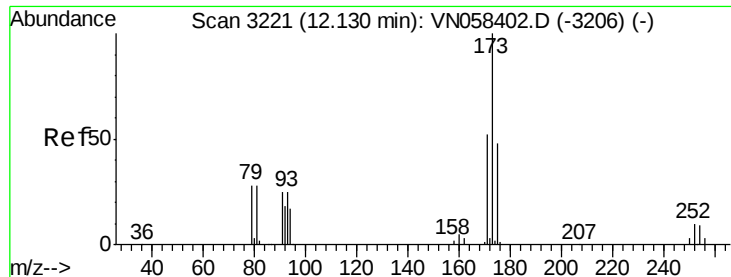
MMDadoda
10/3/2019 12:35:51 PM



#70
Styrene
Concen: 21.308 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion:104 Resp: 265611
Ion Ratio Lower Upper
104 100
78 53.5 42.8 64.2
103 54.9 43.7 65.5





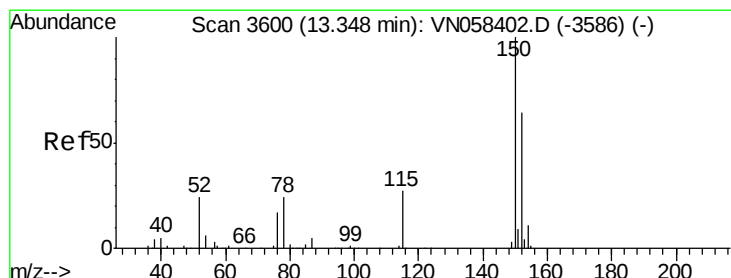
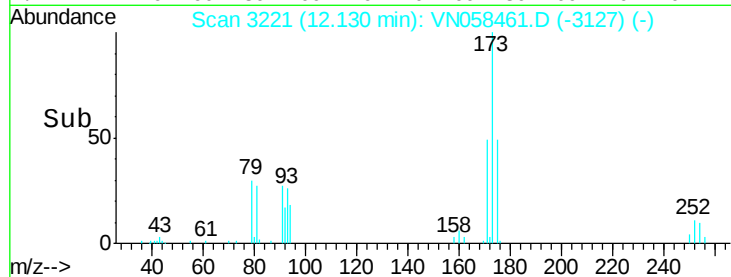
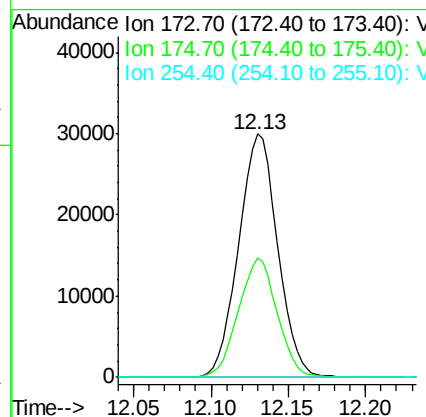
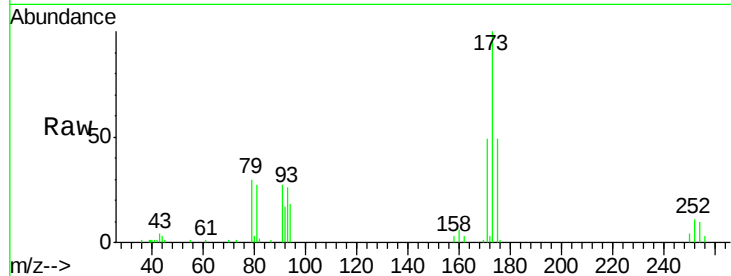
#71
Bromoform
Concen: 19.691 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.0	0.1	0.1#

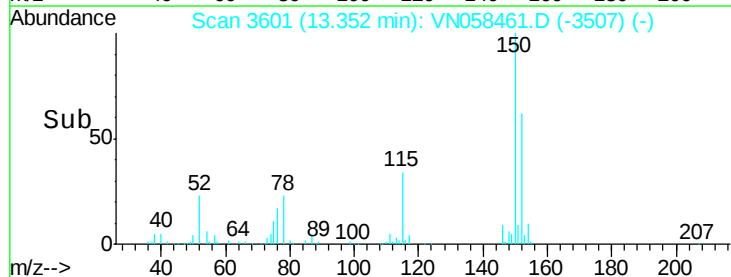
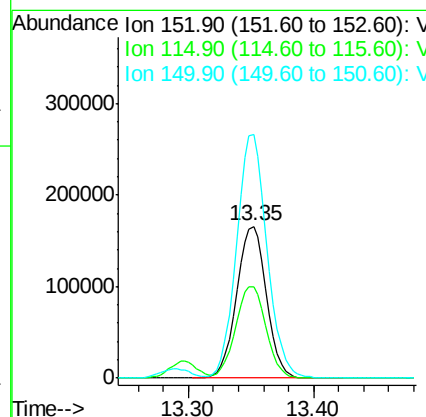
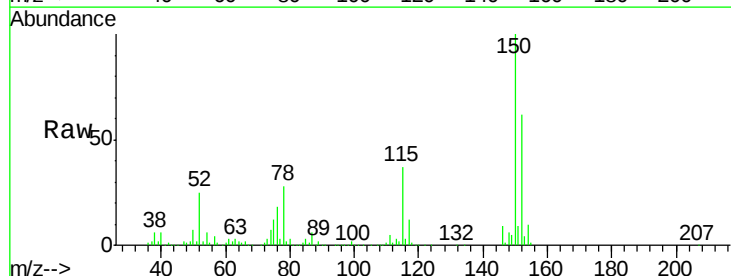
Manual Integrations
APPROVED

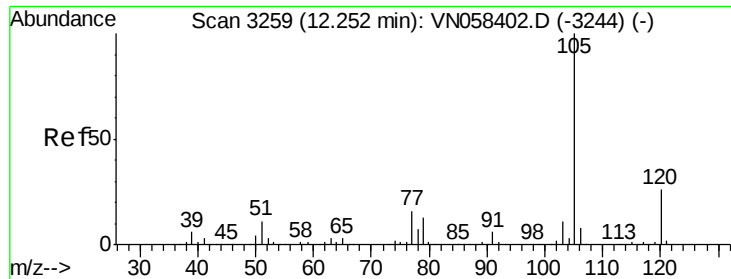
MMDadoda
10/3/2019 12:35:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.0	90.0
150	163.7	0.0	348.2





#73

Isopropylbenzene

Concen: 21.353 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion:105 Resp: 431065

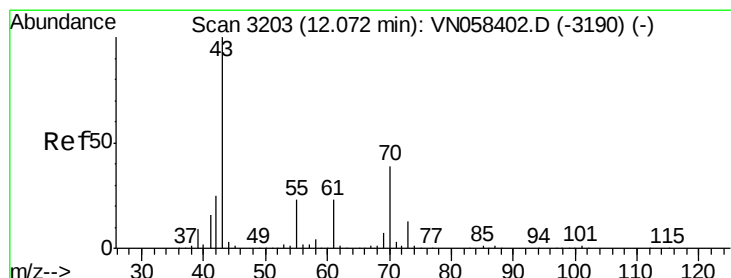
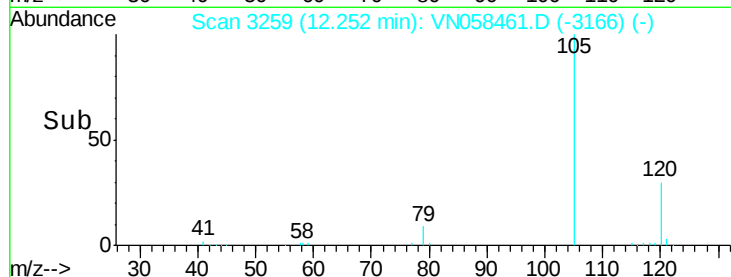
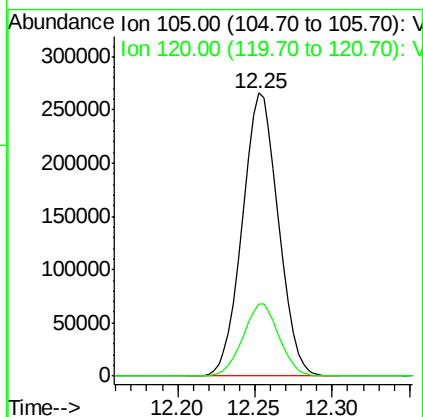
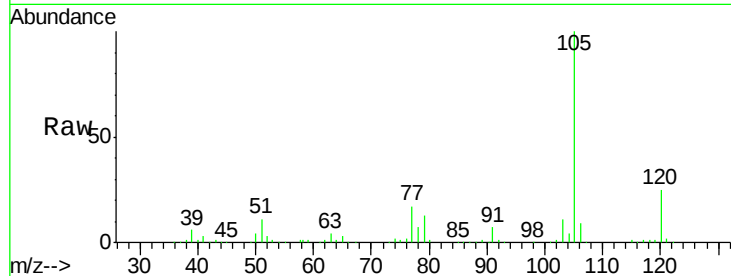
Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:35:51 PM



#74

N-ethyl acetate

Concen: 21.088 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Tgt Ion: 43 Resp: 169367

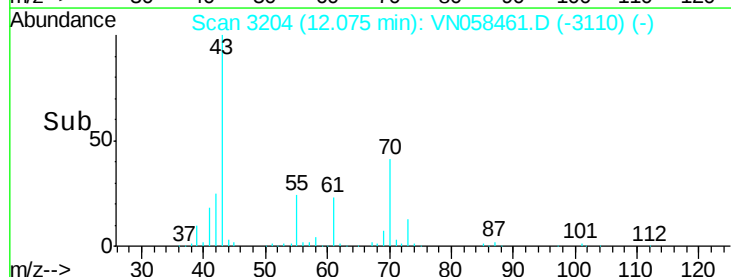
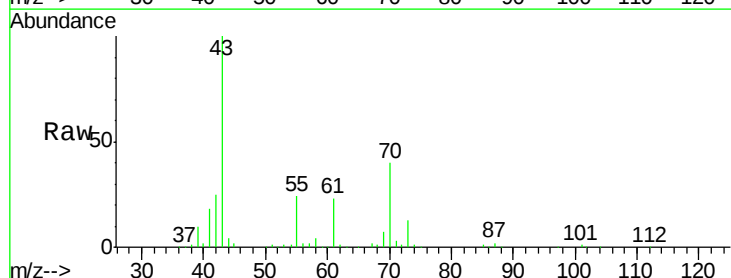
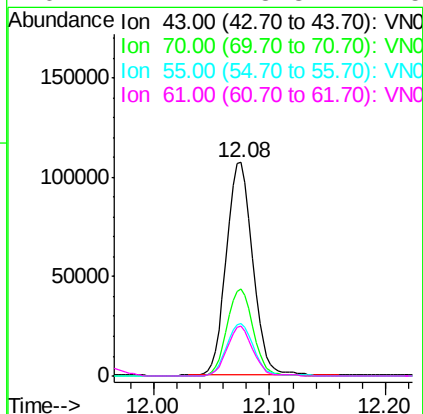
Ion Ratio Lower Upper

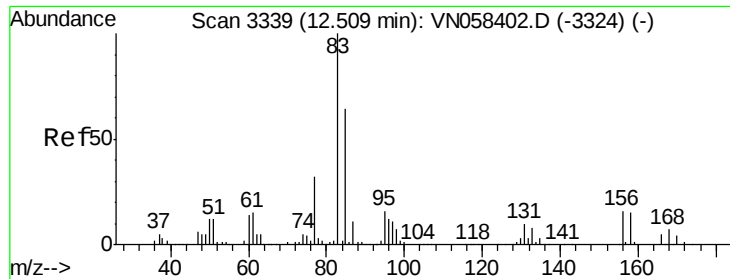
43 100

70 40.3 31.4 47.2

55 25.0 18.2 27.4

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.619 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 83 Resp: 135027
Ion Ratio Lower Upper

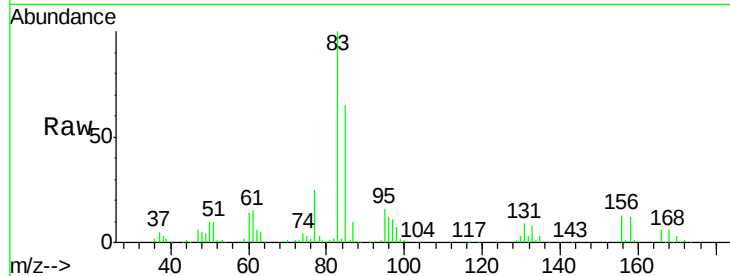
83 100

131 9.4 4.9 14.7

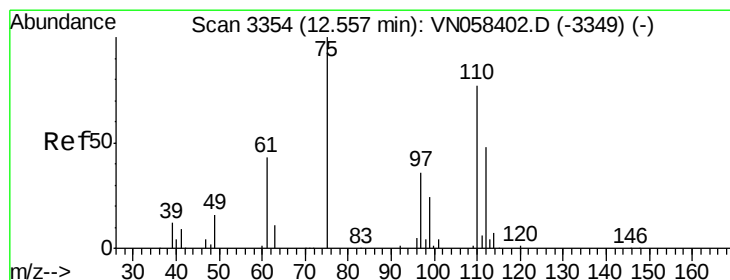
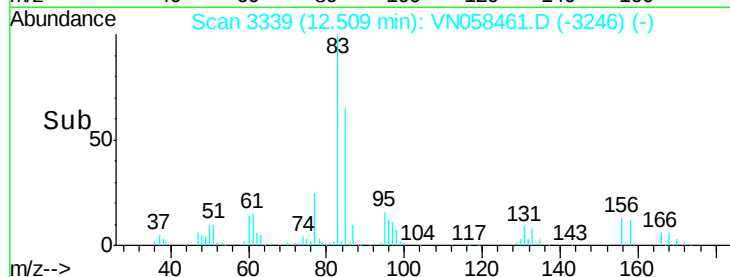
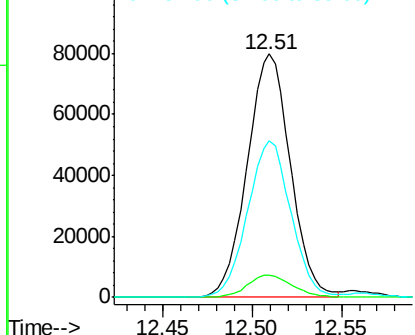
85 64.5 32.0 96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 23.684 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

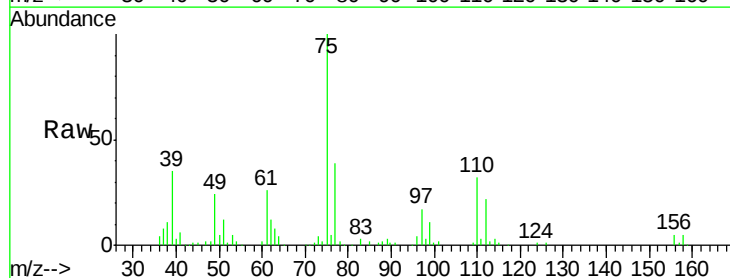
Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

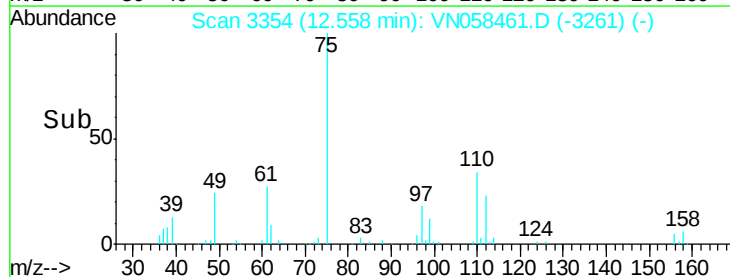
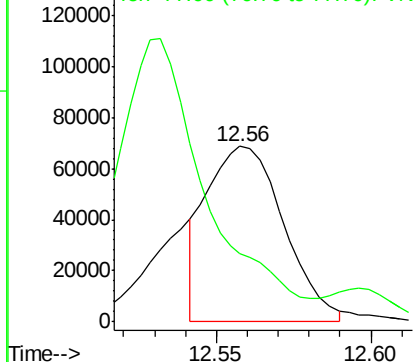
Tgt Ion: 75 Resp: 118173
Ion Ratio Lower Upper

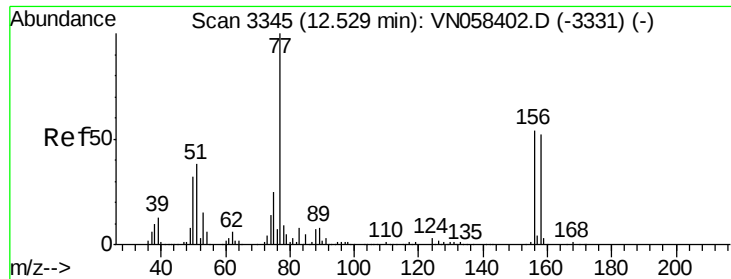
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 20.526 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

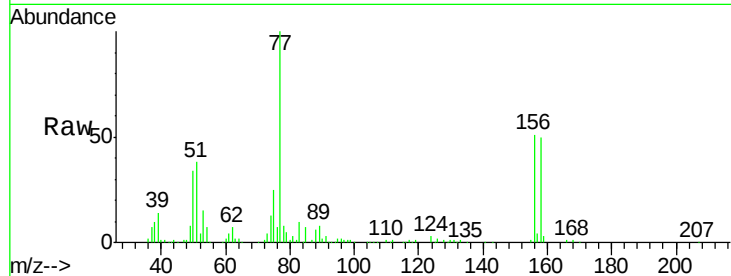
ClientSampleId :

VN1001WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	230.8	110.0	330.0	
158	98.6	47.9	143.8	

Manual Integrations
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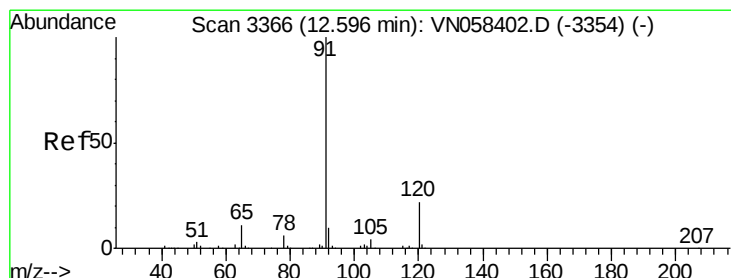
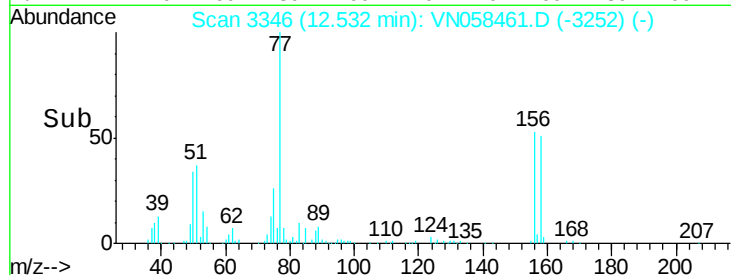
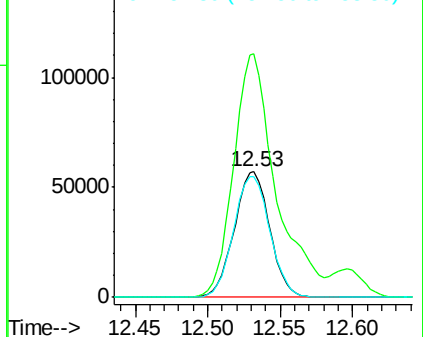
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.193 ug/l

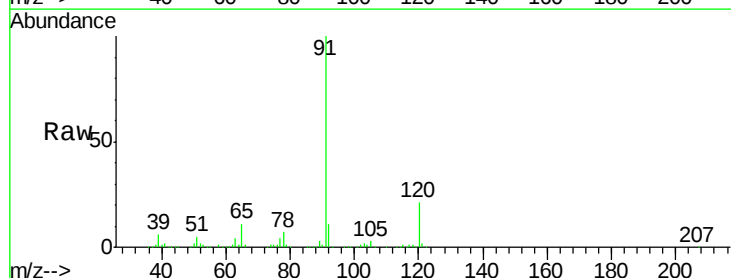
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058461.D

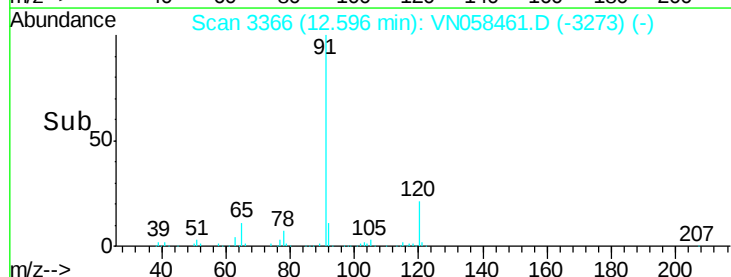
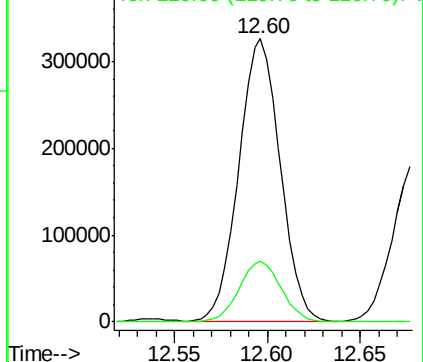
Acq: 1 Oct 2019 13:40

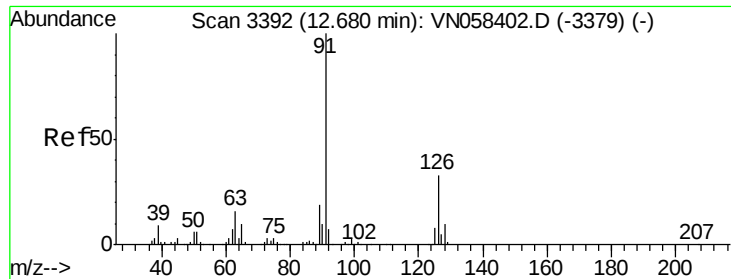
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.9	32.9	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.935 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058461.D

Acq: 1 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 91 Resp: 293896

Ion Ratio Lower Upper

91 100

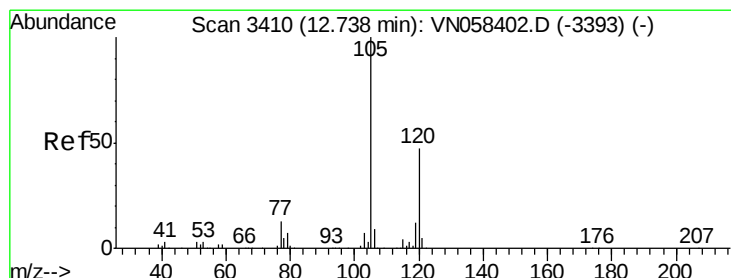
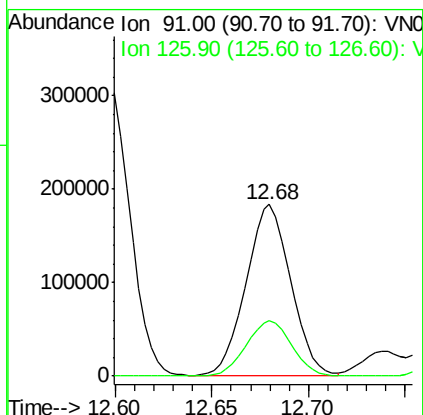
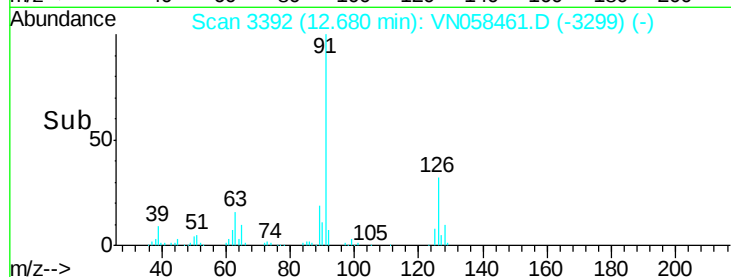
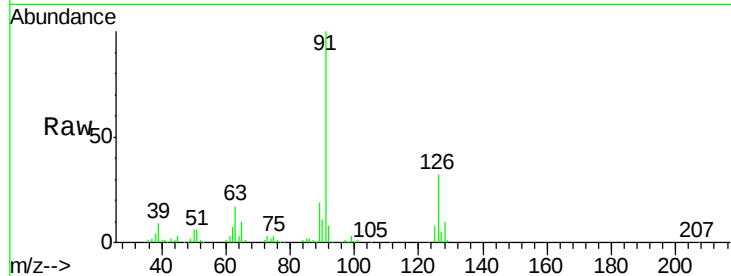
126 33.2 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.264 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058461.D

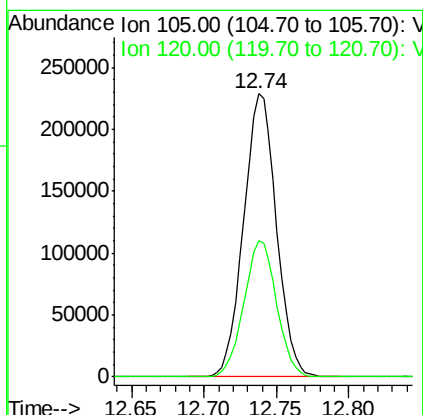
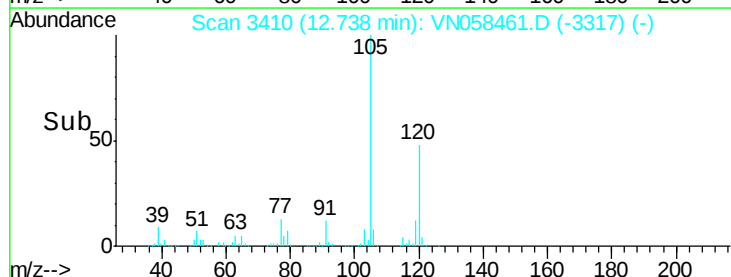
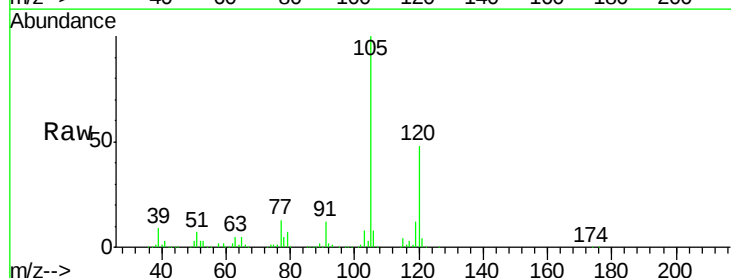
Acq: 1 Oct 2019 13:40

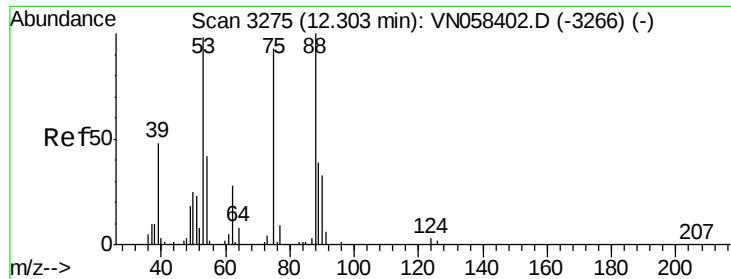
Tgt Ion: 105 Resp: 359344

Ion Ratio Lower Upper

105 100

120 48.2 23.5 70.6





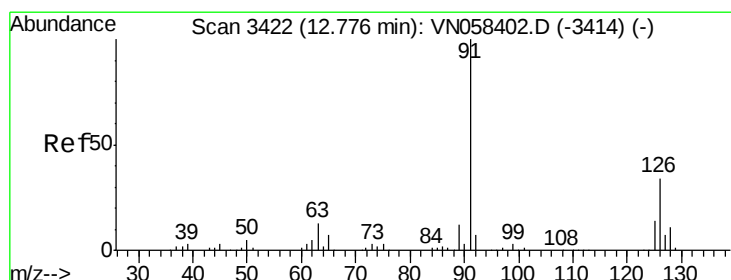
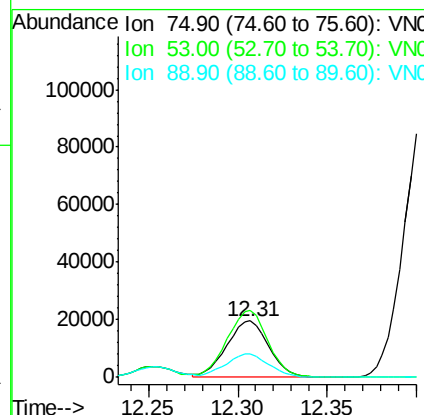
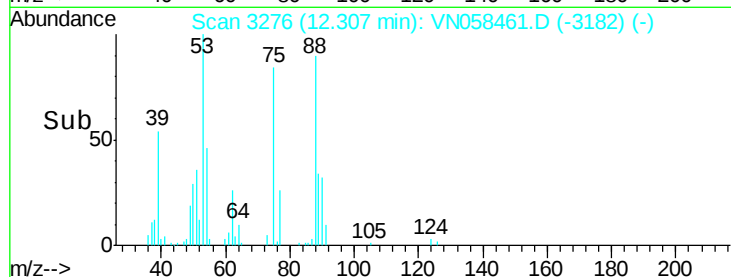
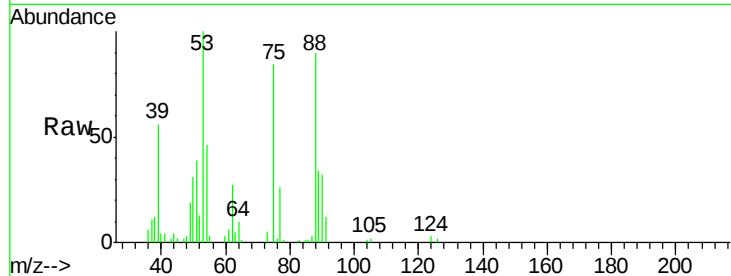
#81
trans-1,4-Dichloro-2-butene
Concen: 19.552 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.7	85.4	128.0
89	42.8	35.0	52.4

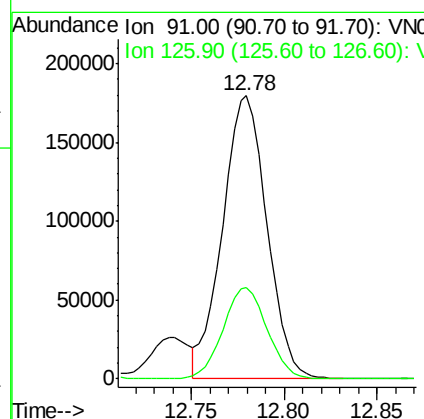
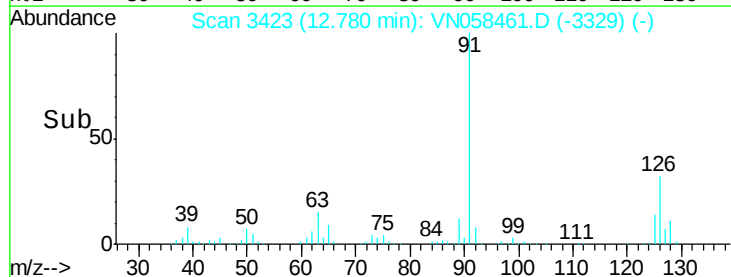
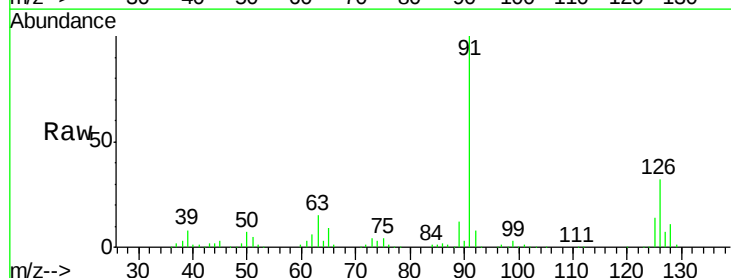
Manual Integrations
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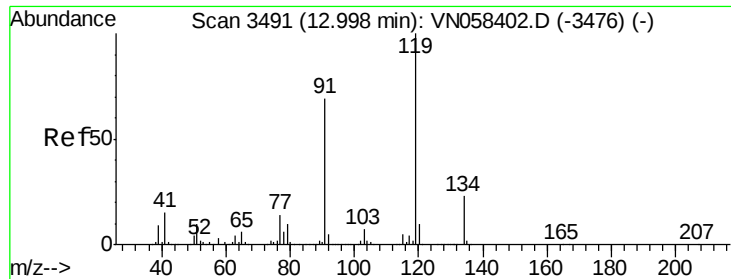
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#82
4-Chlorotoluene
Concen: 20.680 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.7





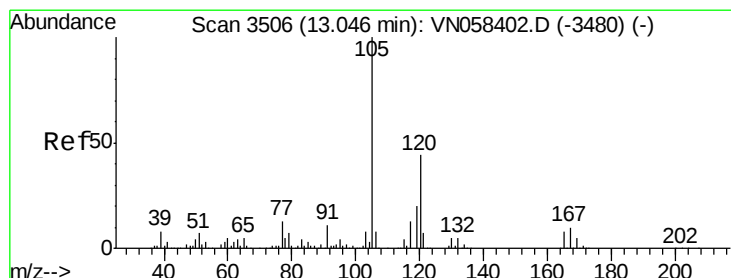
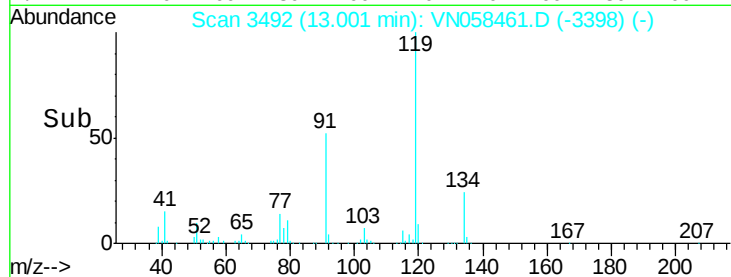
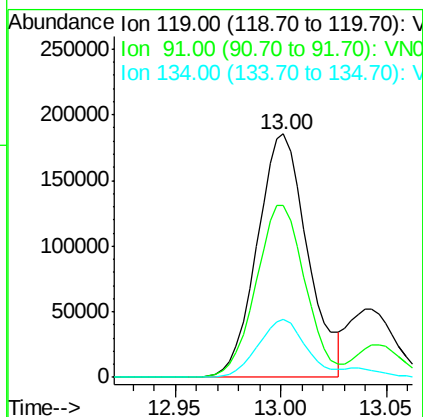
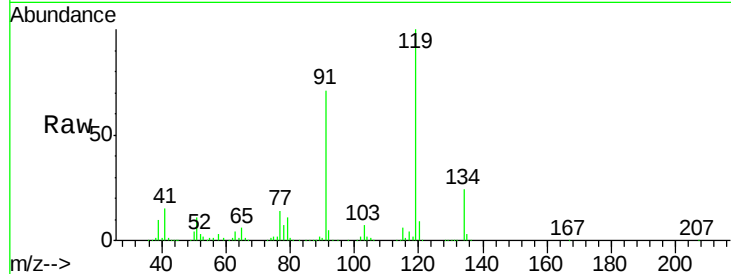
#83
tert-Butylbenzene
Concen: 21.572 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	34.2	102.6
134	22.8	11.6	34.8

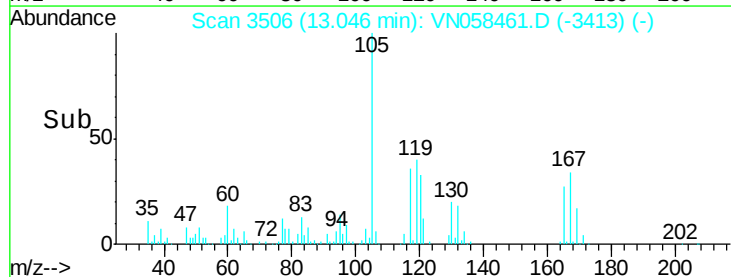
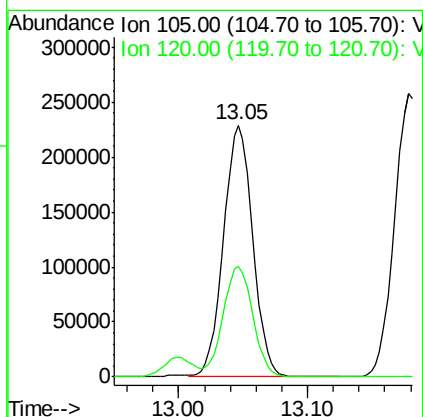
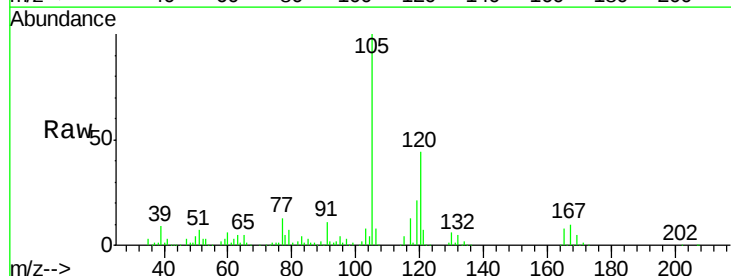
Manual Integrations
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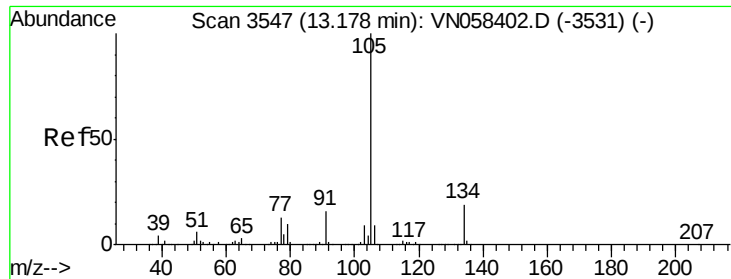
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.213 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.7	65.1





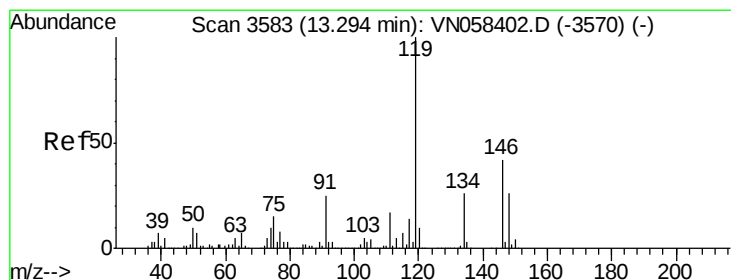
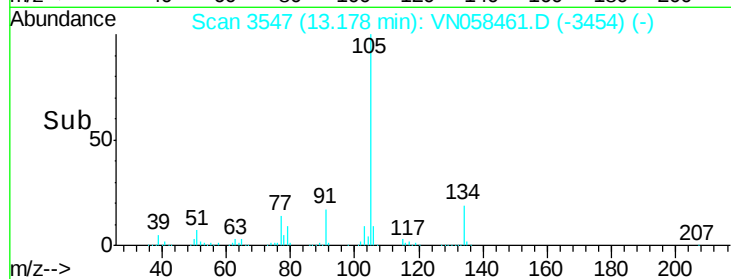
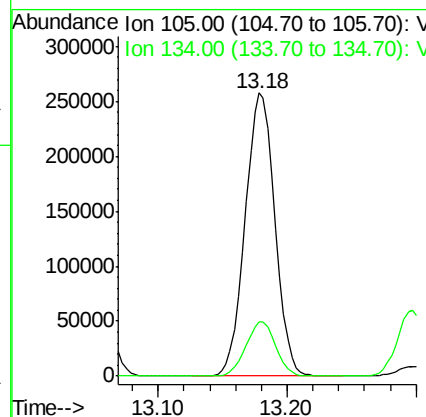
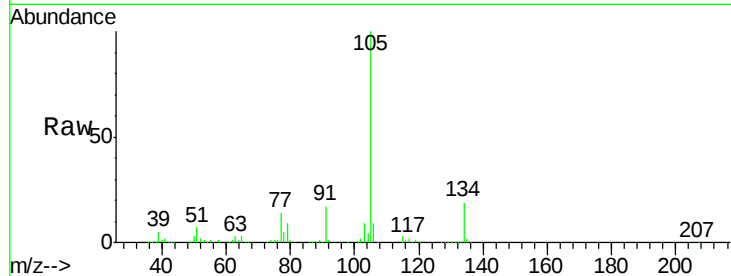
#85
 sec-Butylbenzene
 Concen: 22.007 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.4	28.2

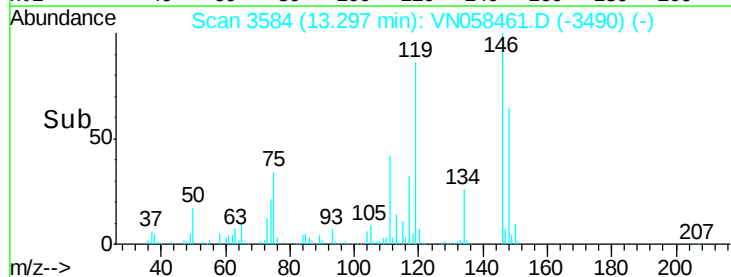
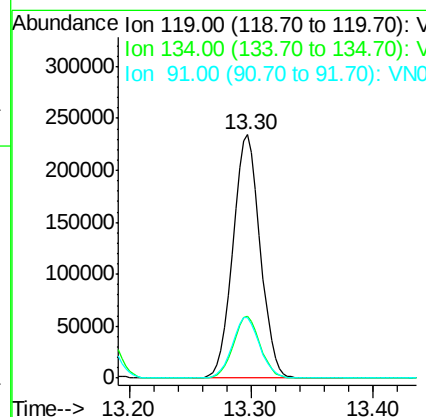
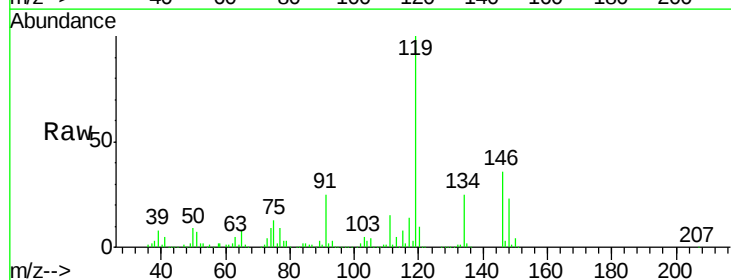
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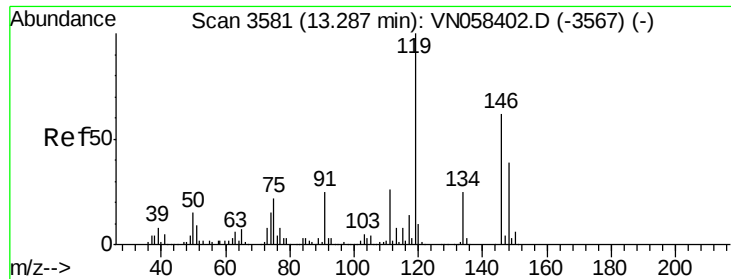
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#86
 p-Isopropyltoluene
 Concen: 22.033 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	24.9	12.4	37.0





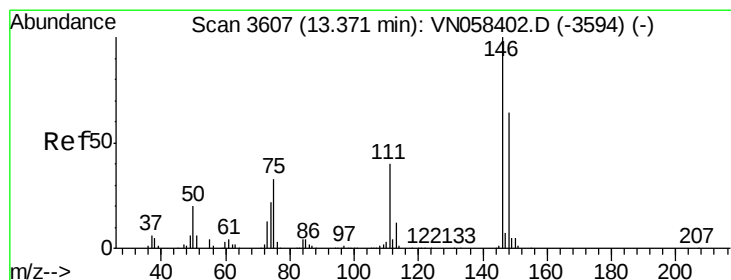
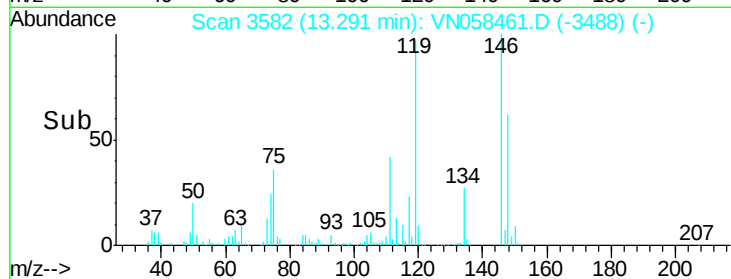
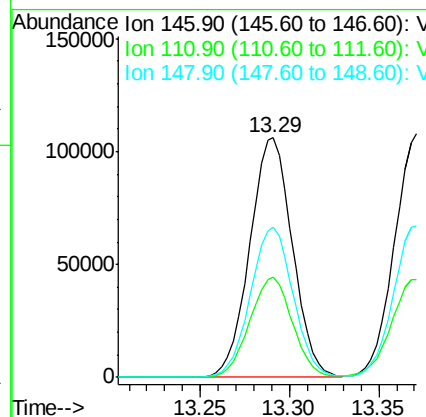
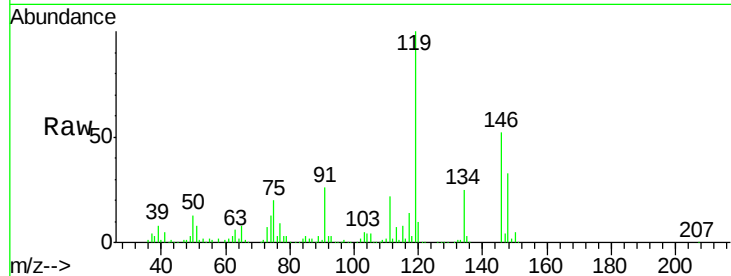
#87
 1,3-Dichlorobenzene
 Concen: 20.616 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	176953		
111	41.9	20.8	62.4	
148	63.0	31.4	94.3	

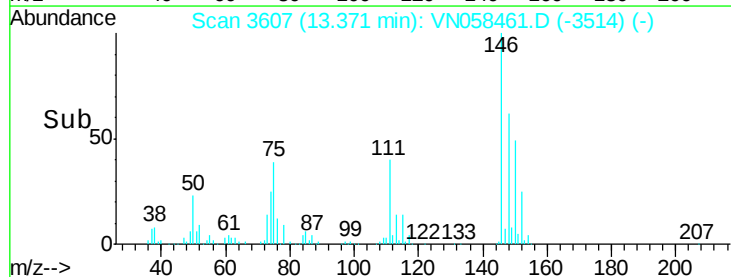
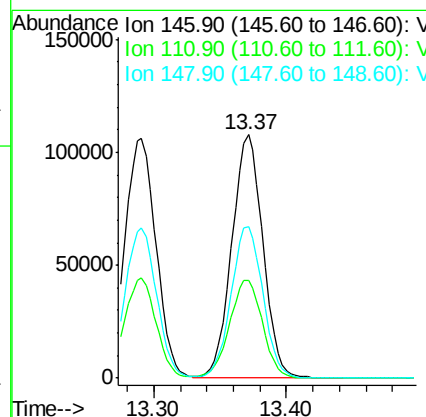
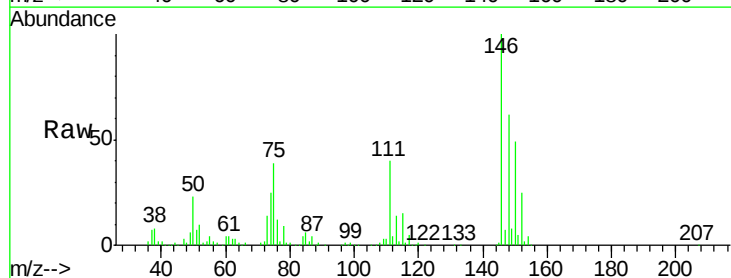
Manual Integrations
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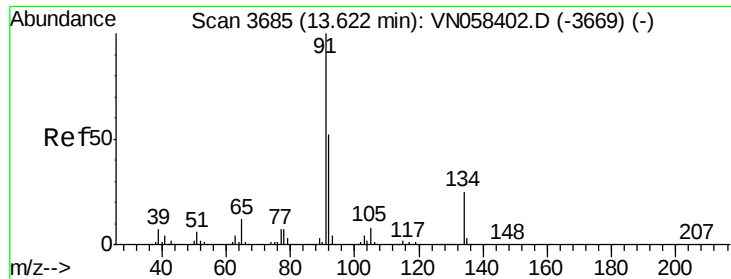
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 10/3/2019 12:35:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.588 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	175817		
111	42.7	20.5	61.6	
148	63.0	31.5	94.5	





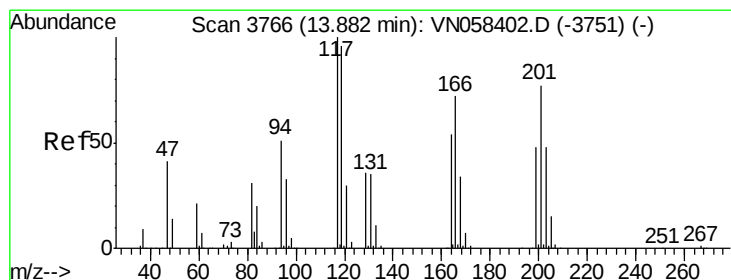
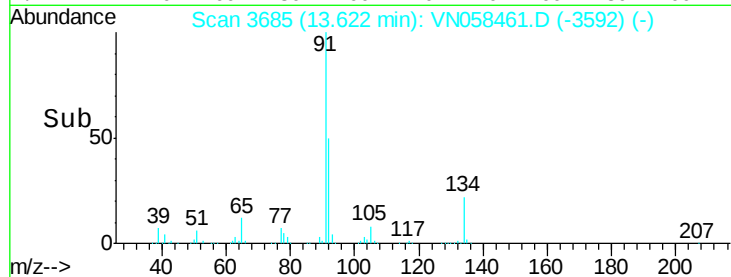
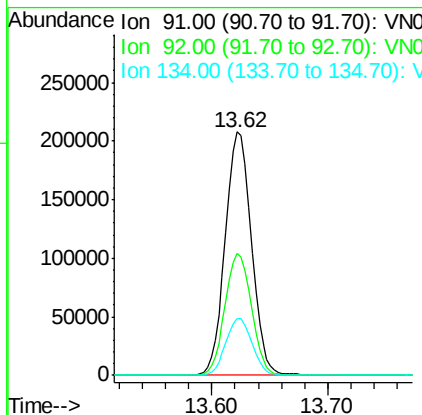
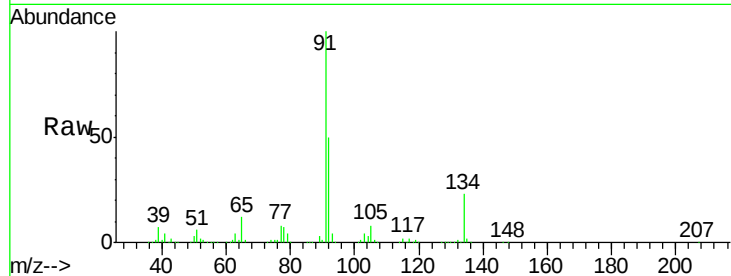
#89
n-Butylbenzene
Concen: 21.712 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.7	77.1
134	23.5	12.2	36.6

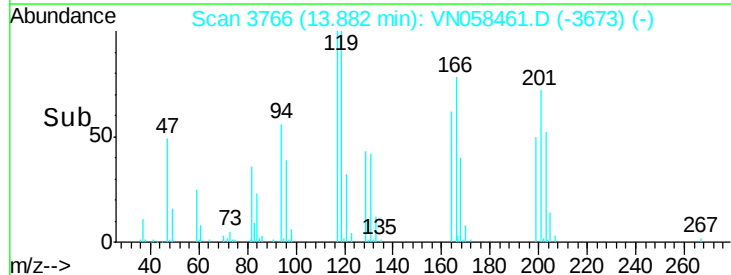
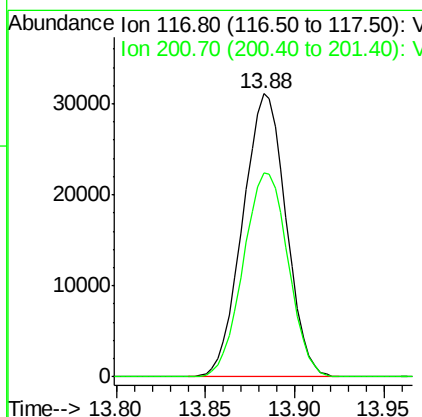
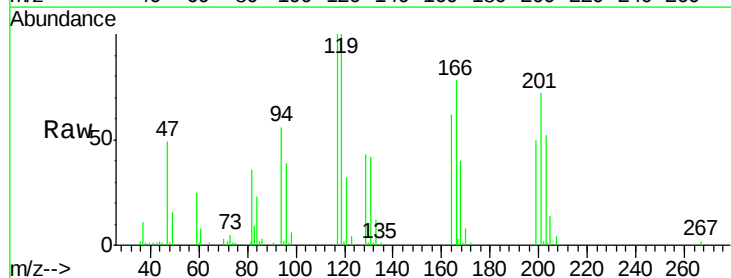
Manual Integrations
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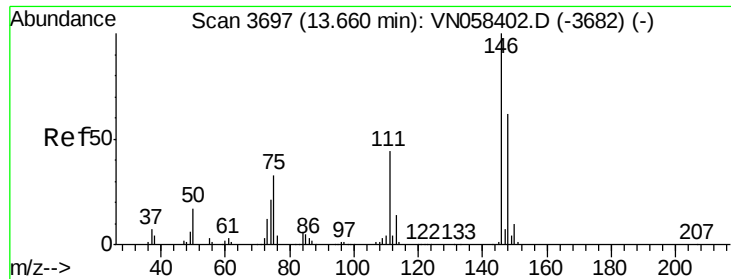
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10/3/2019 12:35:51 PM



#90
Hexachloroethane
Concen: 21.237 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	38.6	116.0





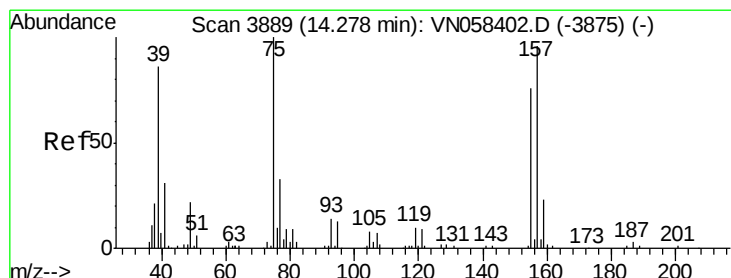
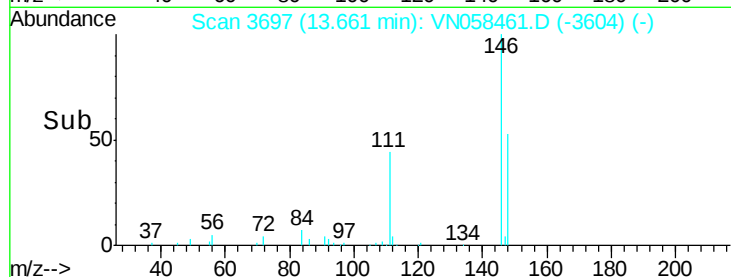
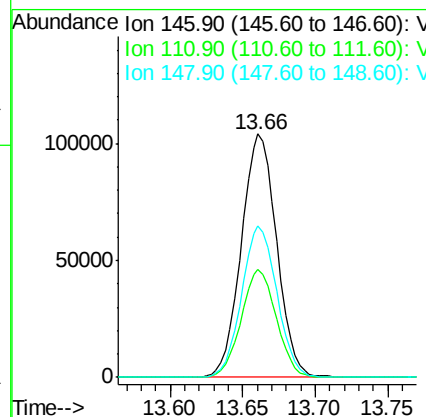
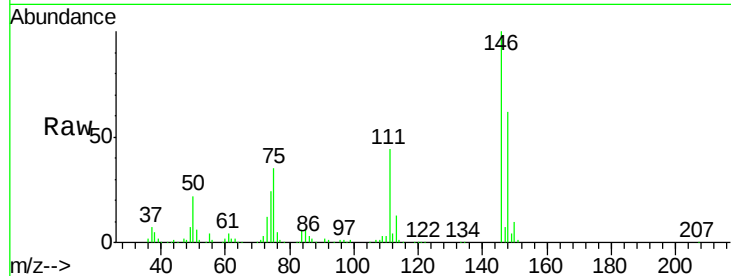
#91
 1,2-Dichlorobenzene
 Concen: 21.369 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.8	65.3
148	62.2	31.5	94.5

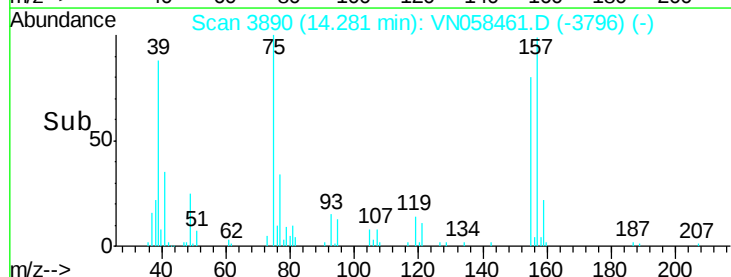
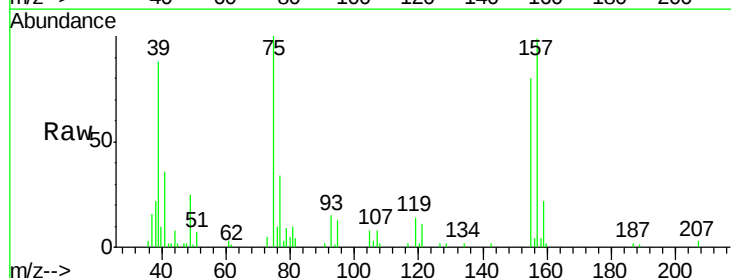
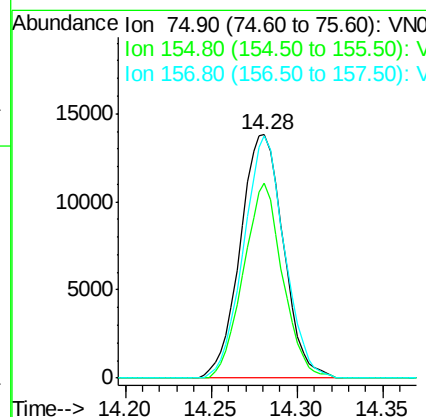
Manual Integrations
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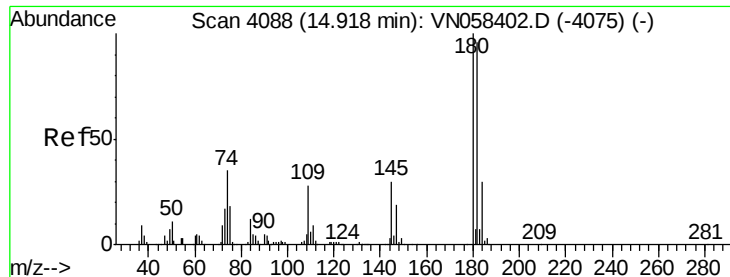
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.863 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	39.2	117.6
157	93.8	48.7	146.1





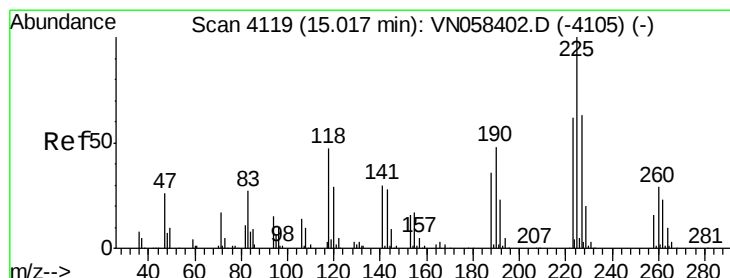
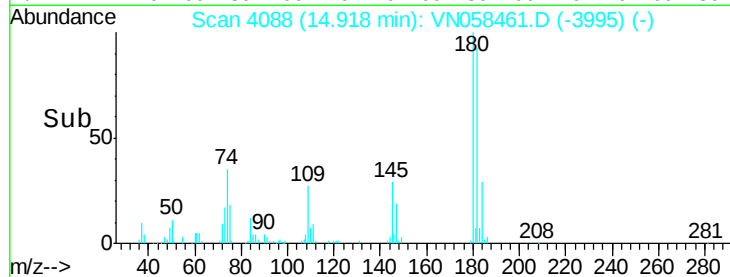
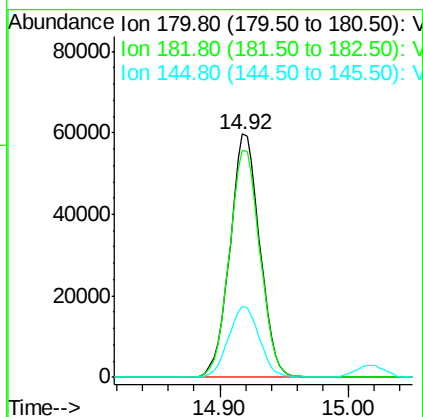
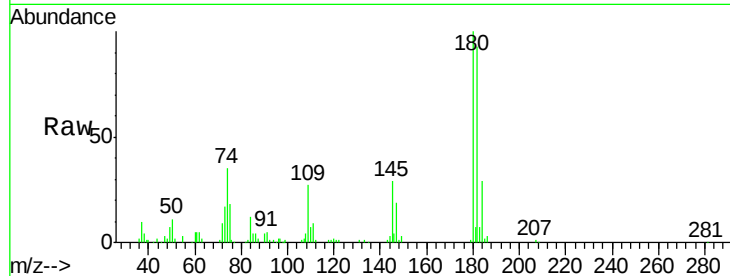
#93
 1,2,4-Trichlorobenzene
 Concen: 21.053 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.3
145	30.0	15.3	45.9

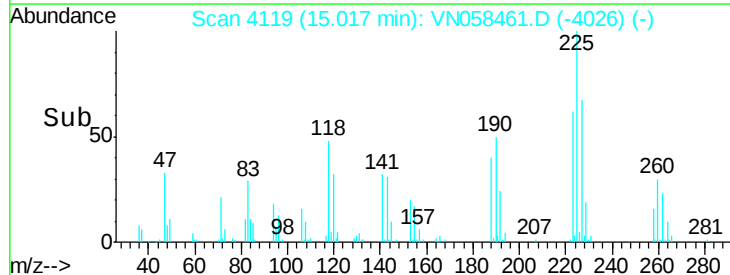
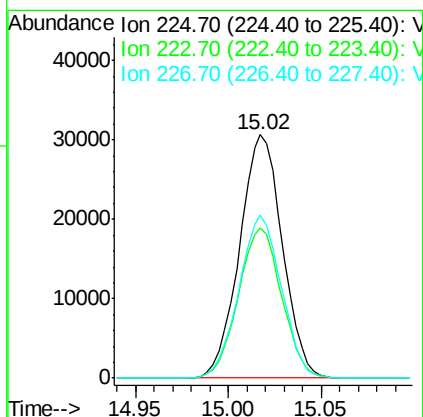
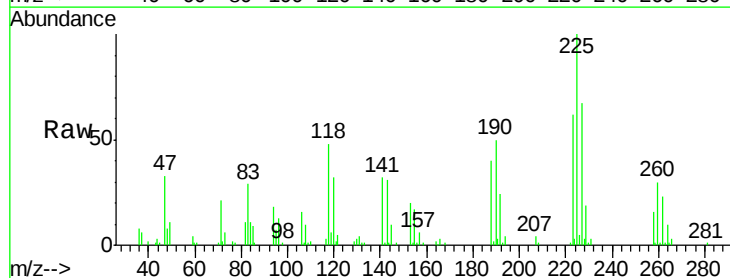
Manual Integrations
 APPROVED

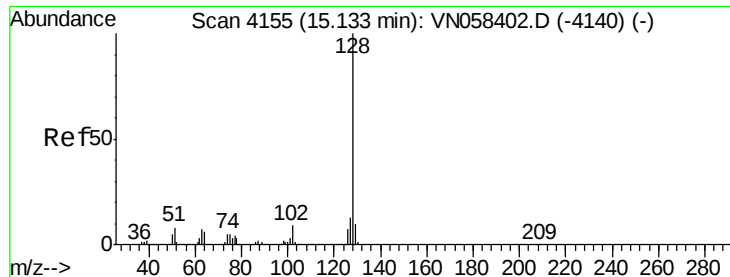
MMDadoda
 10/3/2019 12:35:51 PM



#94
 Hexachlorobutadiene
 Concen: 20.951 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058461.D
 Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.5
227	66.3	31.4	94.2





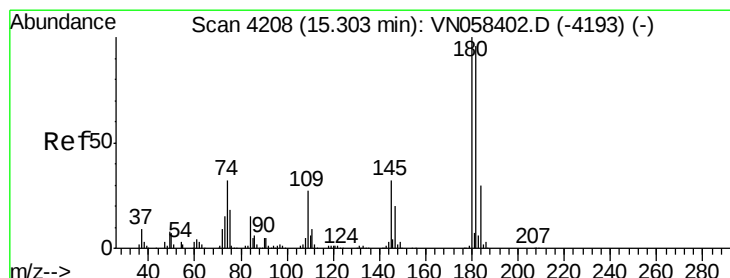
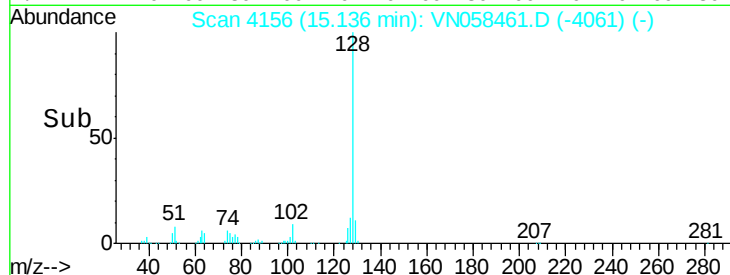
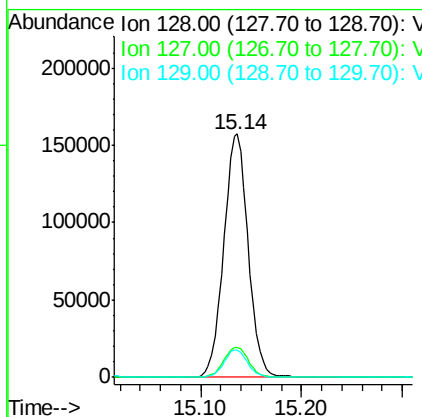
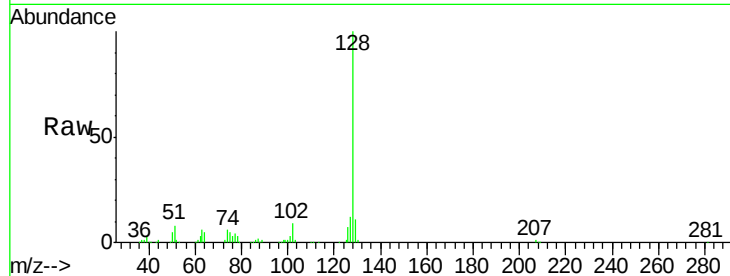
#95
Naphthalene
Concen: 19.883 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.3	12.5

Manual Integrations
APPROVED

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10/3/2019 12:35:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.354 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058461.D
Acq: 1 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	31.6	16.1	48.3

