

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051520\
 Data File : VN061413.D
 Acq On : 15 May 2020 16:48
 Operator : JC/MD
 Sample : VN0515WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 16 00:23:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	17129	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	98671	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	89924	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	47897	31.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.07%
60) 4-Bromofluorobenzene	12.37	95	45768	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.06	98	124855	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	13702	17.569	ug/l 96
3) Chloromethane	2.03	50	27654	19.393	ug/l 98
4) Vinyl Chloride	2.16	62	37740	19.744	ug/l 98
5) Bromomethane	2.54	94	20069	20.670	ug/l 97
6) Chloroethane	2.67	64	26094	20.176	ug/l 96
7) Trichlorofluoromethane	2.98	101	52590	25.706	ug/l 100
8) Diethyl Ether	3.37	74	12843	19.738	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	15853	18.141	ug/l 72
10) 1,1-Dichloroethene	3.69	96	16535	17.972	ug/l 98
11) Methyl Iodide	3.91	142	19511	19.594	ug/l 98
12) Methyl Acetate	4.27	43	23701	21.210	ug/l 99
13) Acrolein	3.56	56	14748	78.387	ug/l 95
14) Acrylonitrile	4.92	53	51148	97.517	ug/l 99
15) Acetone	3.77	58	12292	97.592	ug/l 94
16) Carbon Disulfide	4.00	76	42519	16.440	ug/l 97
17) Allyl chloride	4.27	41	37356	20.171	ug/l 97
18) Methylene Chloride	4.50	84	20936	18.855	ug/l 96
19) trans-1,2-Dichloroethene	4.98	96	19996	18.261	ug/l 93
20) Diisopropyl ether	5.89	45	81766	18.966	ug/l 98
21) 1,1-Dichloroethane	5.79	63	41911	18.617	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	24689	19.229	ug/l 98
23) tert-Butyl Alcohol	4.72	59	21338	126.915	ug/l # 100
24) Methyl tert-Butyl Ether	4.98	73	73413	19.661	ug/l 96
25) Chloroform	7.32	83	41574	19.051	ug/l 98
26) Cyclohexane	7.61	56	37790	17.580	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	31081	17.950	ug/l 100
30) 2-Butanone	6.78	43	74251	101.374	ug/l 100
31) 2,2-Dichloropropane	6.77	77	35921	17.757	ug/l # 79
32) 1,1,1-Trichloroethane	7.53	97	35099	18.117	ug/l 98
33) Carbon Tetrachloride	7.73	117	26998	18.155	ug/l 94
34) Benzene	8.00	78	93274	19.041	ug/l 98
35) Methacrylonitrile	7.16	41	47987	65.320	ug/l # 66
36) 1,2-Dichloroethane	8.08	62	38078	20.250	ug/l 98
37) Trichloroethene	8.80	130	22757	18.868	ug/l 100
38) Methylcyclohexane	9.04	83	37187	17.891	ug/l 95
39) 1,2-Dichloropropane	9.08	63	26164	19.428	ug/l 96
40) Dibromomethane	9.17	93	16222	19.503	ug/l 92

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Quant Time: May 16 00:23:56 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	35054	19.426	ug/l	99
42) Vinyl Acetate	5.84	43	342038	98.335	ug/l	100
43) Ethyl Acetate	6.88	43	33005	21.096	ug/l	94
44) Isopropyl Acetate	8.12	43	59228	19.498	ug/l #	90
45) 1,4-Dioxane	9.16	88	8002	667.530	ug/l #	94
46) Methyl methacrylate	9.16	41	28156	19.711	ug/l	97
47) n-amyl Acetate	12.04	43	50392	18.599	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	40659	19.094	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	41887	18.597	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	22392	19.470	ug/l	94
51) Ethyl methacrylate	10.40	69	38029	19.193	ug/l	93
52) 1,3-Dichloropropane	10.68	76	42249	20.118	ug/l	98
53) Dibromochloromethane	10.87	129	23844	18.921	ug/l	100
54) 1,2-Dibromoethane	10.98	107	22763	19.182	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	88443	100.857	ug/l	98
56) Bromoform	12.10	173	14568	18.382	ug/l #	94
58) 4-Methyl-2-Pentanone	9.95	43	166532	101.628	ug/l	99
59) 2-Hexanone	10.72	43	118527	102.260	ug/l	99
61) Tetrachloroethene	10.60	164	21070	18.737	ug/l	97
62) Toluene	10.12	91	98345	18.861	ug/l	98
64) Chlorobenzene	11.40	112	59334	19.226	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	21179	18.781	ug/l	98
66) Ethyl Benzene	11.48	91	109854	18.358	ug/l	98
67) m/p-Xylenes	11.59	106	81595	36.926	ug/l	99
68) o-Xylene	11.92	106	39052	18.518	ug/l	99
69) Styrene	11.94	104	66494	18.324	ug/l	98
70) Isopropylbenzene	12.22	105	103193	18.059	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	31097	19.700	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	43657	28.997	ug/l	63
73) Bromobenzene	12.50	156	21657	18.247	ug/l	86
74) n-propylbenzene	12.56	91	122080	17.969	ug/l	99
75) 2-Chlorotoluene	12.65	91	71860	18.445	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	86916	18.126	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	11529	18.399	ug/l	97
78) 4-Chlorotoluene	12.75	91	74316	18.216	ug/l	99
79) tert-butylbenzene	12.97	119	71656	17.989	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	86440	18.060	ug/l	98
81) sec-Butylbenzene	13.15	105	98962	18.034	ug/l	100
82) p-Isopropyltoluene	13.26	119	88070	17.823	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	40001	18.134	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	40162	18.397	ug/l	98
85) n-Butylbenzene	13.59	91	80011	17.490	ug/l	97
86) Hexachloroethane	13.85	117	12223	17.745	ug/l	82
87) 1,2-Dichlorobenzene	13.63	146	38762	18.525	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	6890	20.479	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	21761	18.102	ug/l	99
90) Hexachlorobutadiene	14.99	225	8617	17.596	ug/l	97
91) Naphthalene	15.10	128	70752	18.712	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	21486	18.402	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

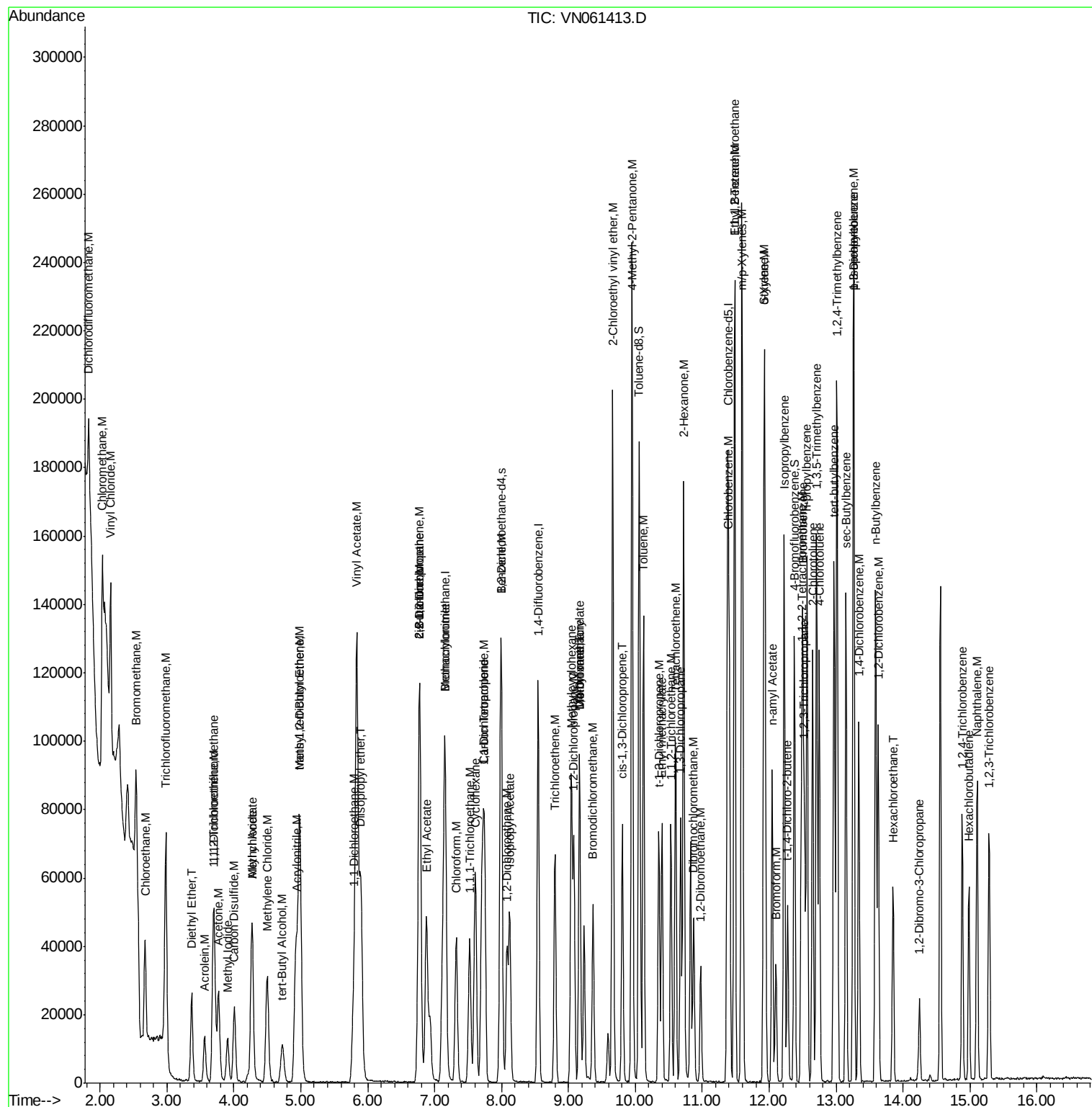
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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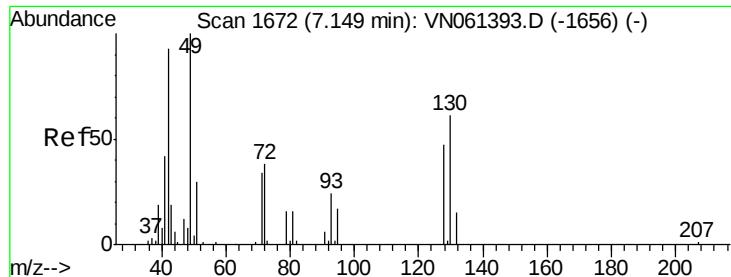
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 16 00:23:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :
MSVOA_N
ClientSampleId :

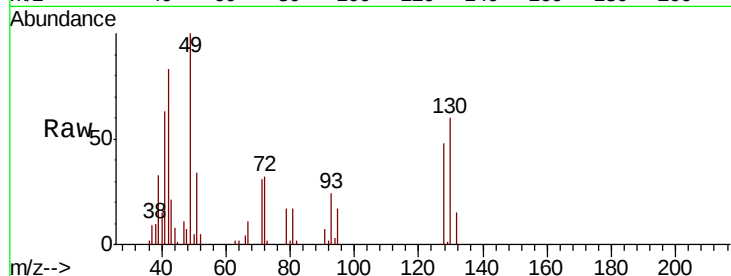
Tot Ion:128 Resp: 17129

Ion Ratio Lower Upper

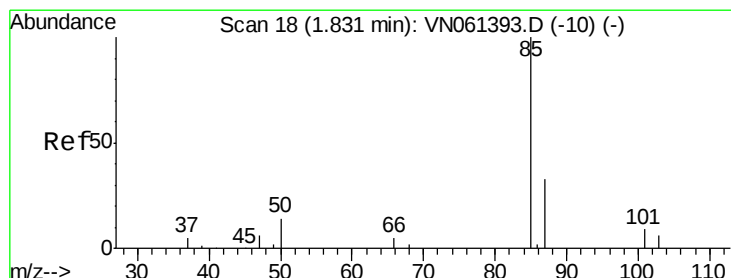
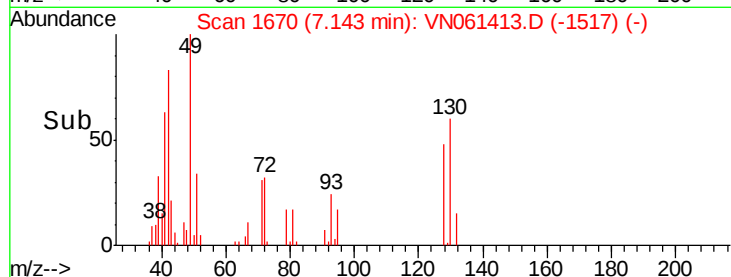
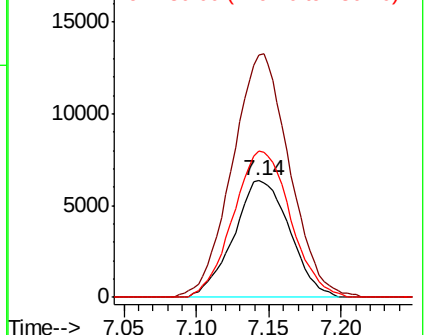
128 100

49 212.0 0.0 453.5

130 128.1 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.569 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061413.D

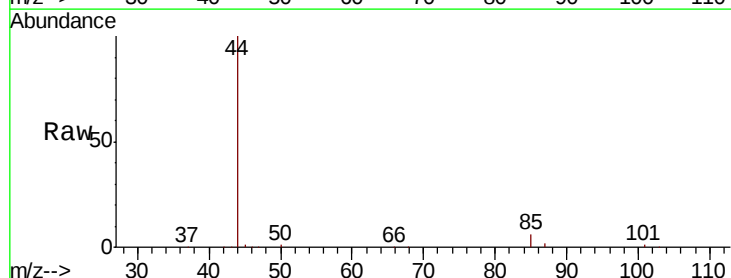
Acq: 15 May 2020 16:48

Tgt Ion: 85 Resp: 13702

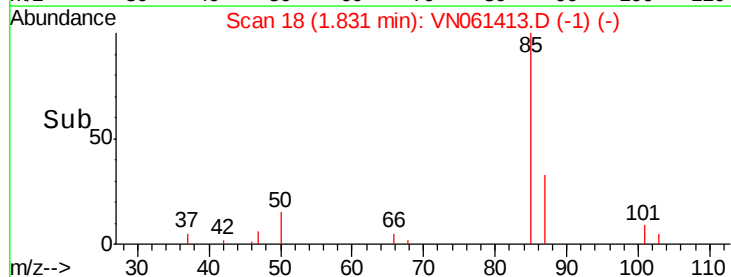
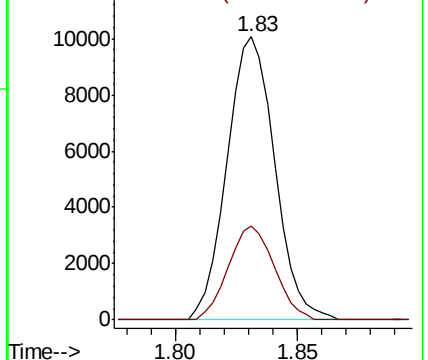
Ion Ratio Lower Upper

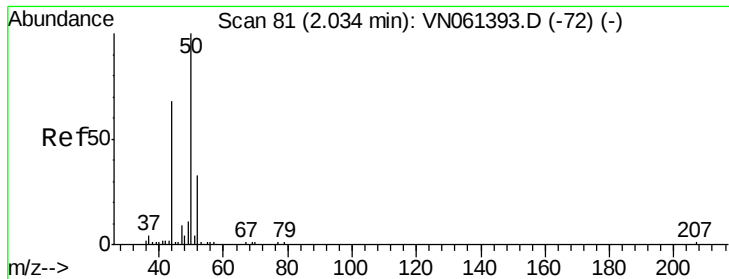
85 100

87 33.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.393 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

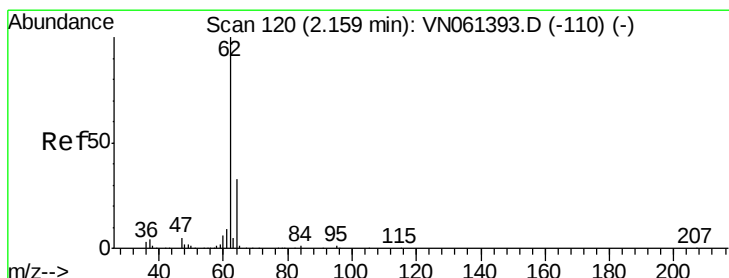
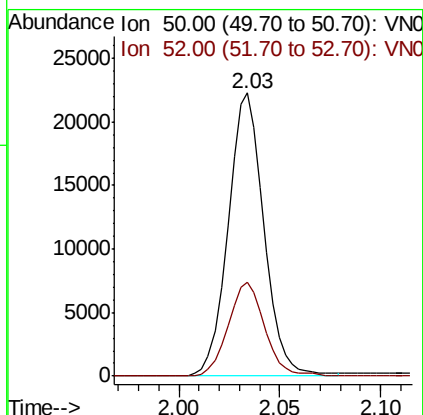
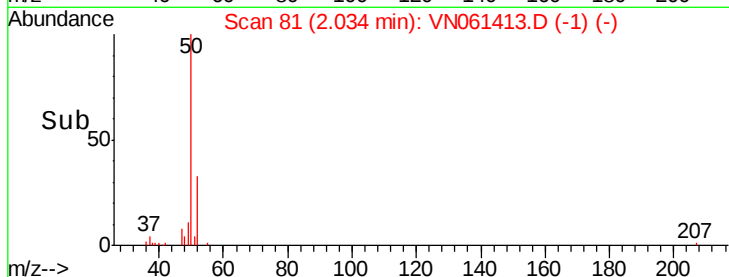
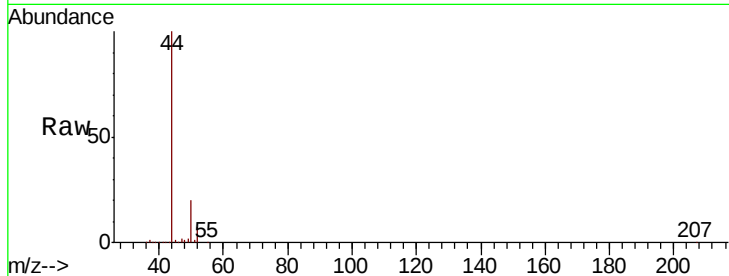
ClientSampled :

Tot Ion: 50 Resp: 27654

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.8



#4

Vinyl Chloride

Concen: 19.744 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061413.D

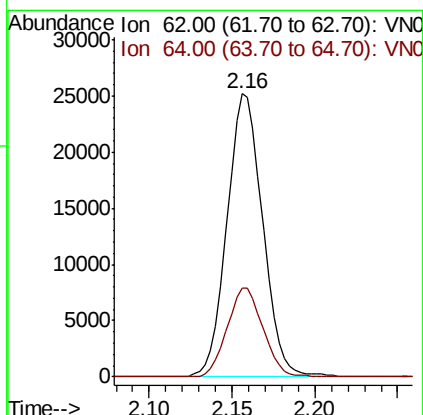
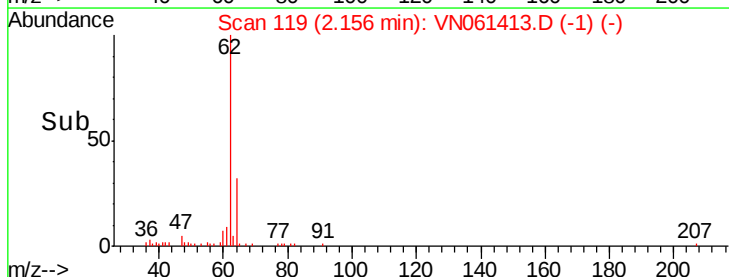
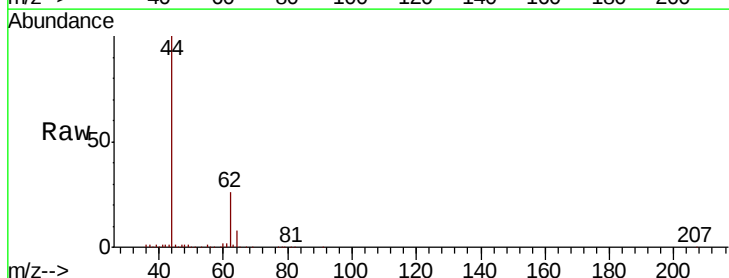
Acq: 15 May 2020 16:48

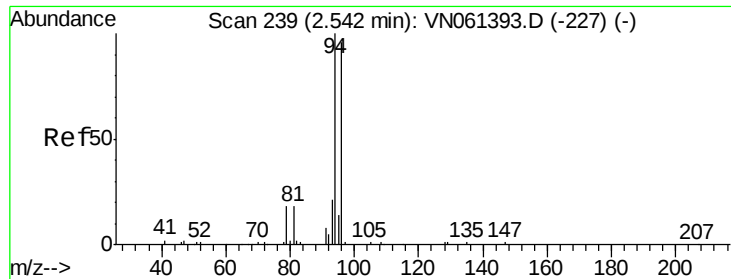
Tgt Ion: 62 Resp: 37740

Ion Ratio Lower Upper

62 100

64 31.5 26.1 39.1

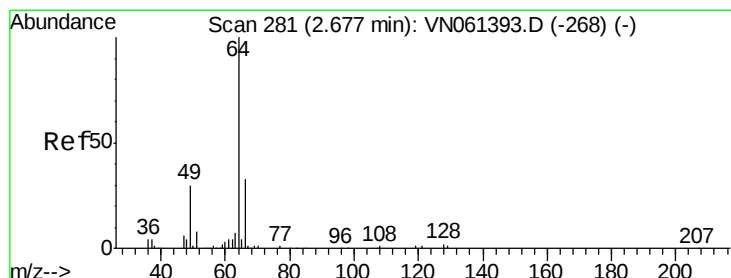
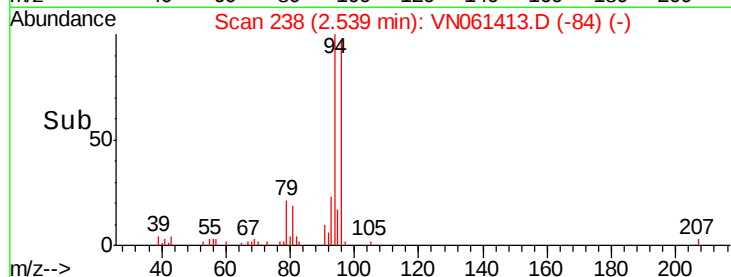
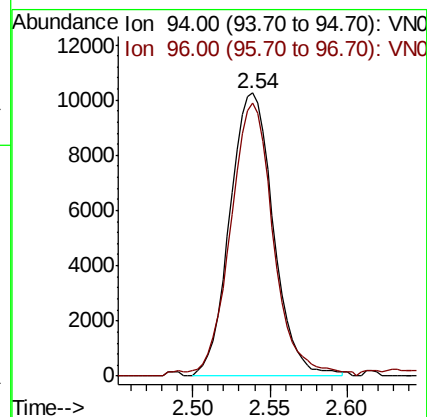
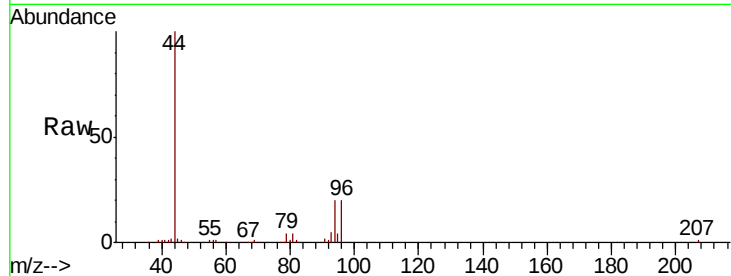




#5
Bromomethane
Concen: 20.670 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

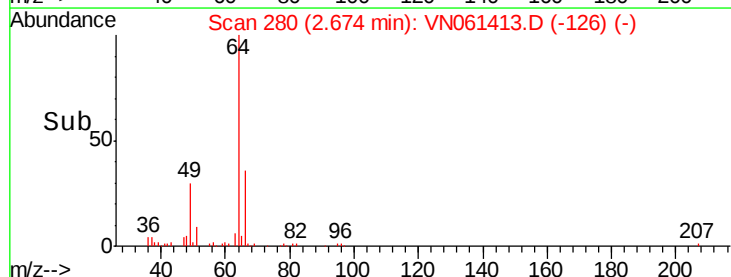
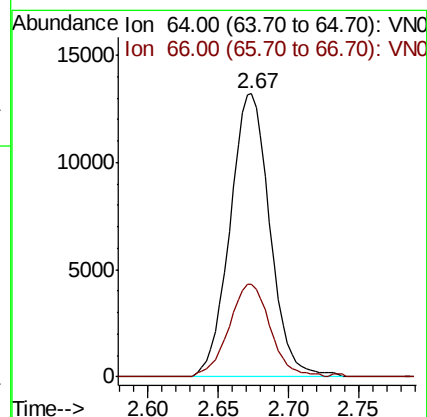
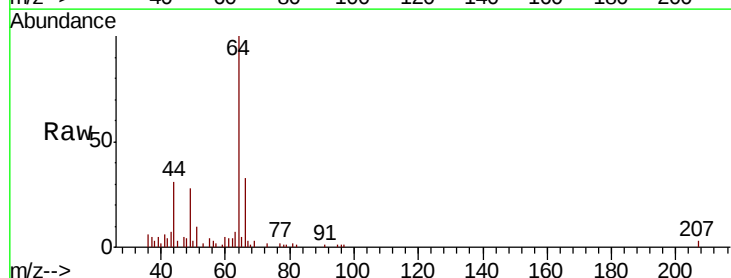
Instrument :
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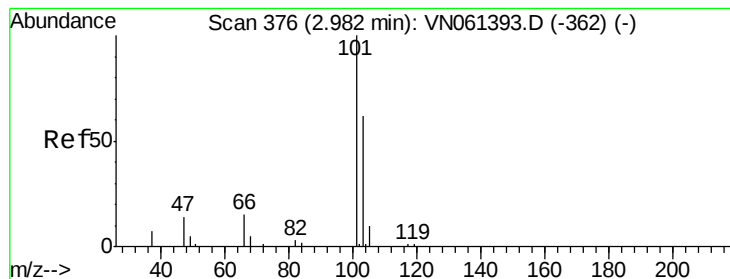
Tot Ion: 94 Resp: 20069
Ion Ratio Lower Upper
94 100
96 95.1 73.7 110.5



#6
Chloroethane
Concen: 20.176 ug/l
RT: 2.67 min Scan# 280
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 64 Resp: 26094
Ion Ratio Lower Upper
64 100
66 33.0 24.6 36.8



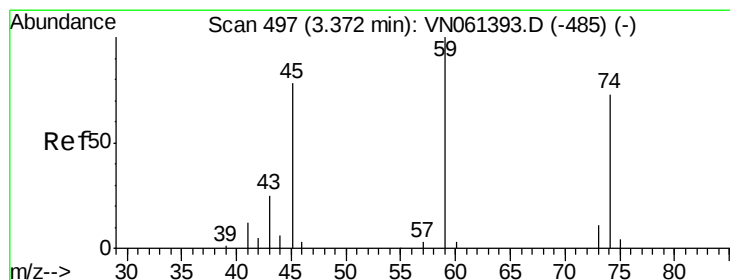
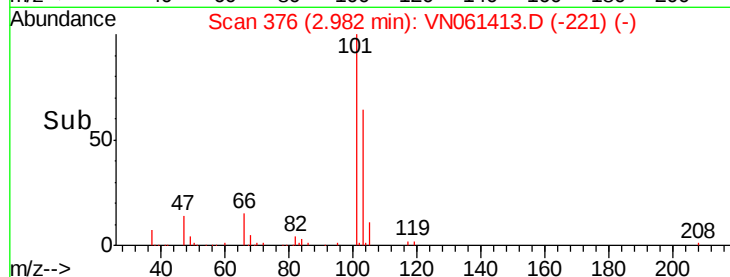
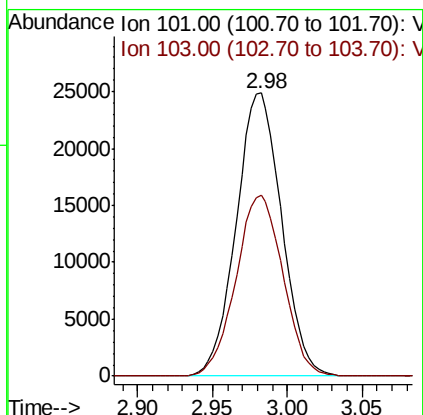
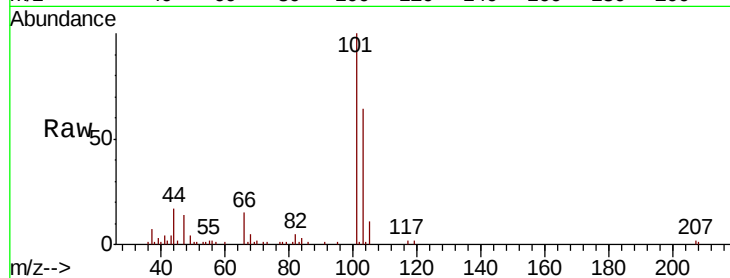


#7

Trichlorofluoromethane
 Concen: 25.706 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Instrument :
 MSVOA_N
 ClientSampled :

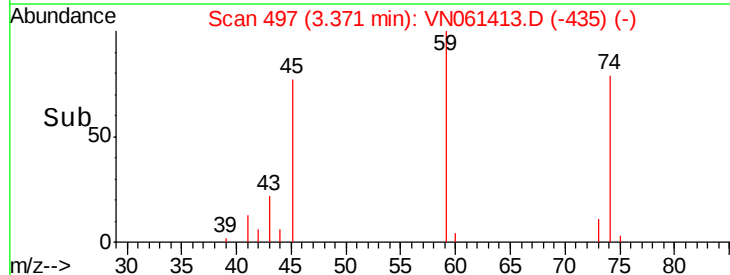
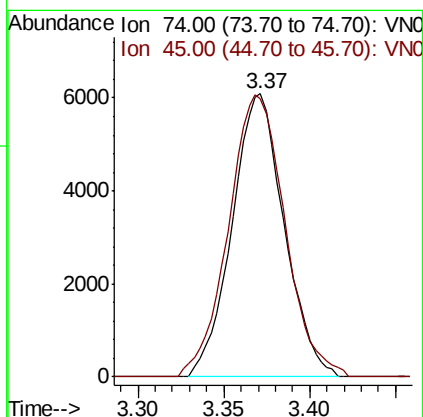
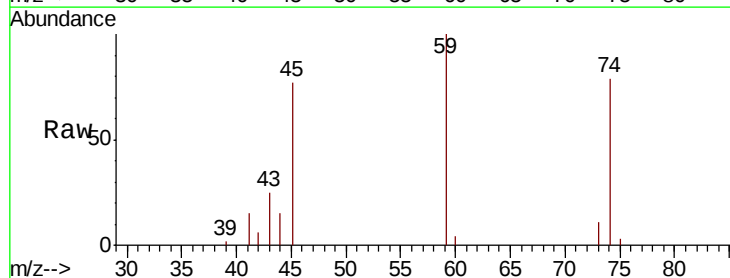
Tot Ion:101 Resp: 52590
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.5 77.3

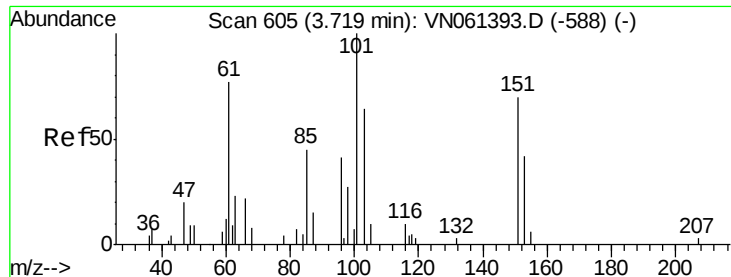


#8

Diethyl Ether
 Concen: 19.738 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 74 Resp: 12843
 Ion Ratio Lower Upper
 74 100
 45 108.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.141 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

ClientSampled :

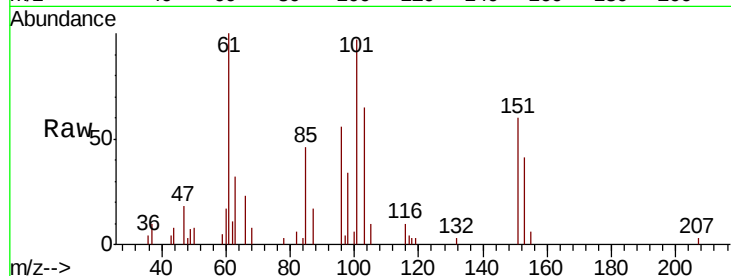
Tot Ion:101 Resp: 15853

Ion Ratio Lower Upper

101 100

85 48.9 0.0 93.8

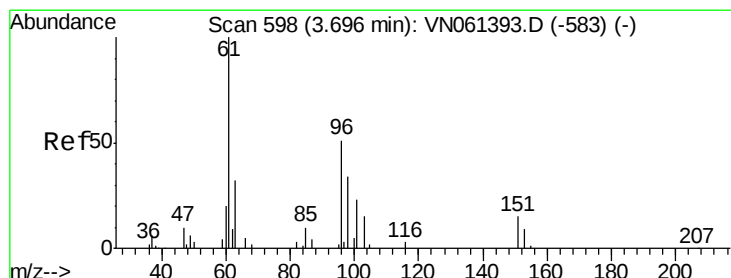
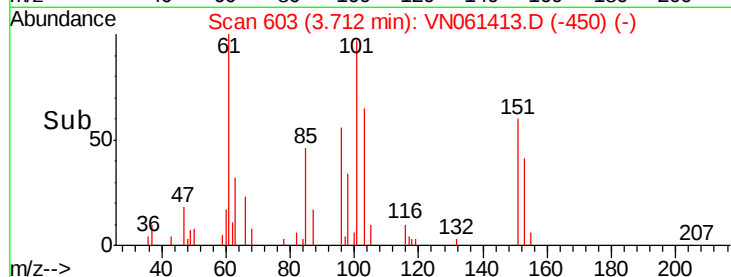
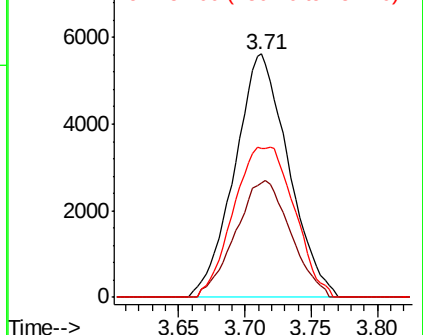
151 38.1 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.972 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

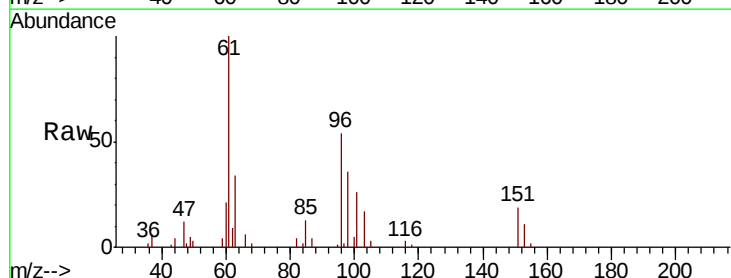
Tgt Ion: 96 Resp: 16535

Ion Ratio Lower Upper

96 100

61 186.9 148.5 222.7

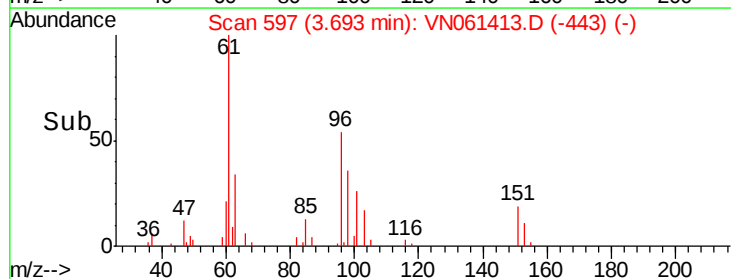
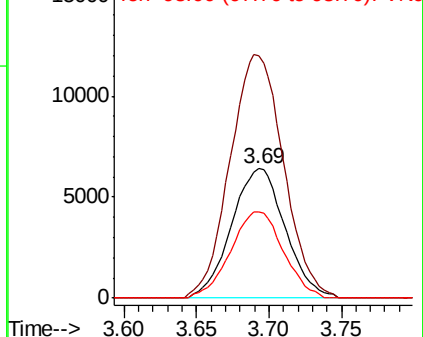
98 66.9 51.0 76.6

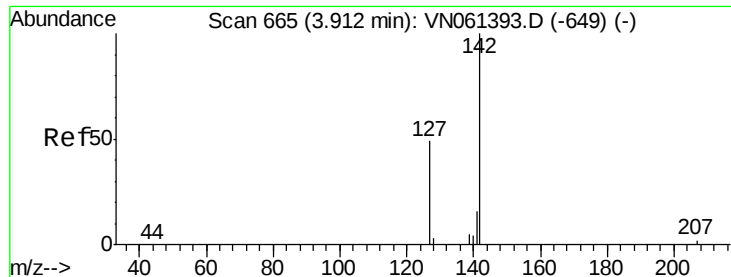


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

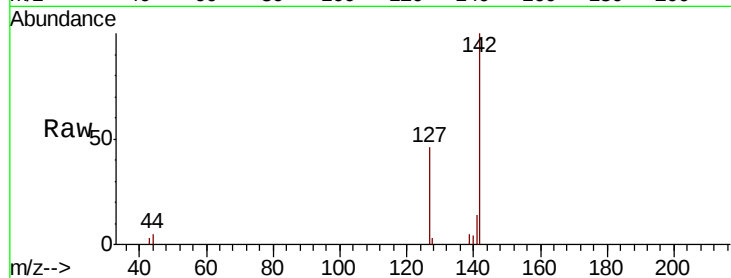




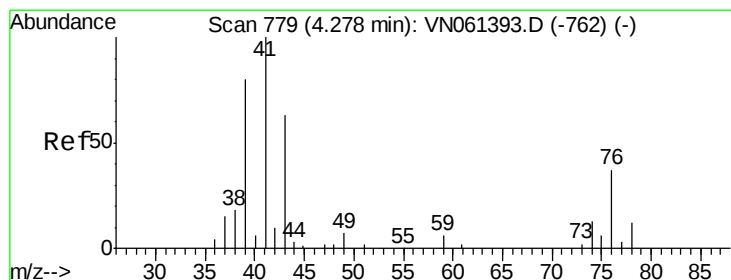
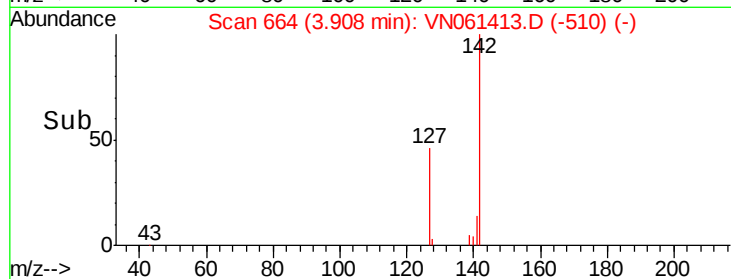
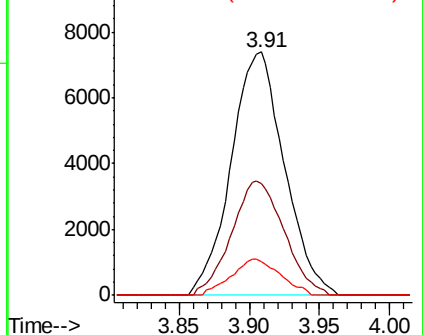
#11
Methvl Iodide
Concen: 19.594 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 19511
Ion Ratio Lower Upper
142 100
127 45.9 23.5 70.6
141 14.0 7.4 22.2

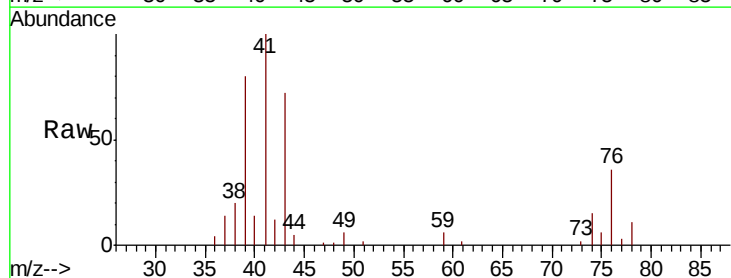


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

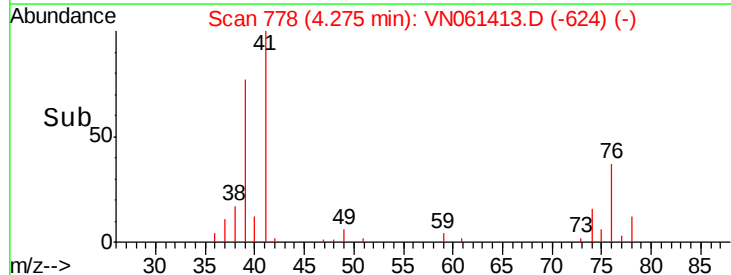
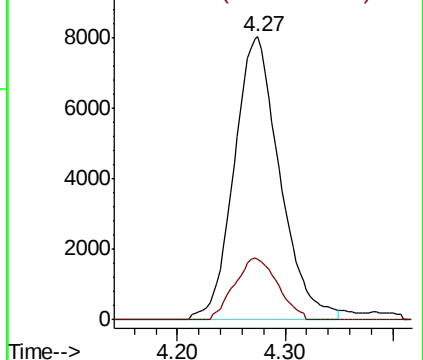


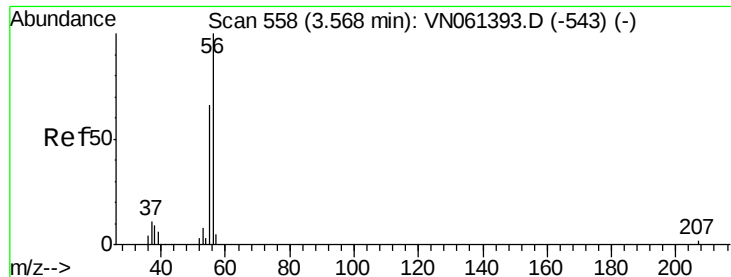
#12
Methyl Acetate
Concen: 21.210 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 43 Resp: 23701
Ion Ratio Lower Upper
43 100
74 21.9 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 78.387 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

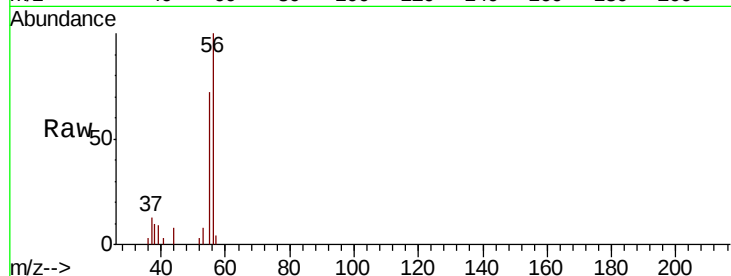
ClientSampleId :

Tot Ion: 56 Resp: 14748

Ion Ratio Lower Upper

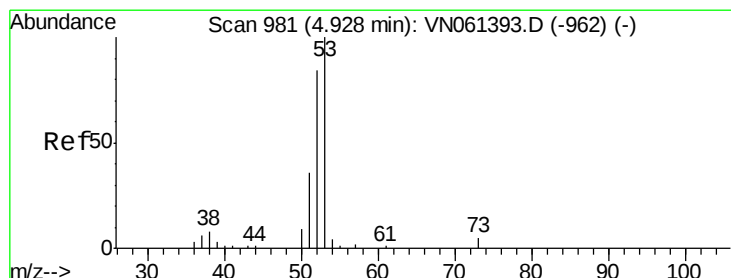
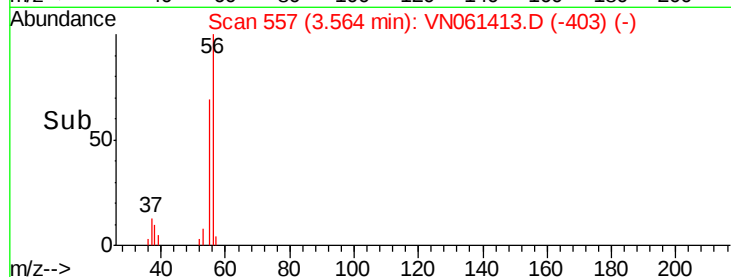
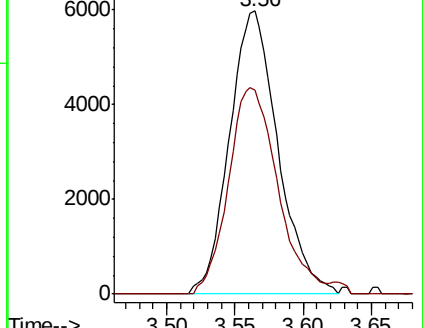
56 100

55 74.2 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN061413.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN061413.D (-543) (-)



#14

Acrylonitrile

Concen: 97.517 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

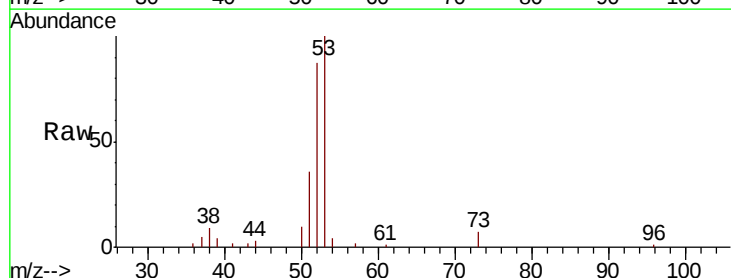
Tgt Ion: 53 Resp: 51148

Ion Ratio Lower Upper

53 100

52 83.3 42.2 126.6

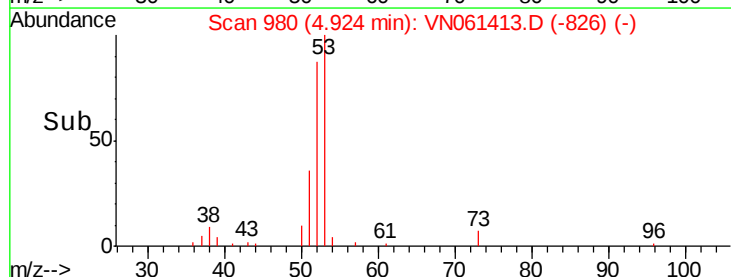
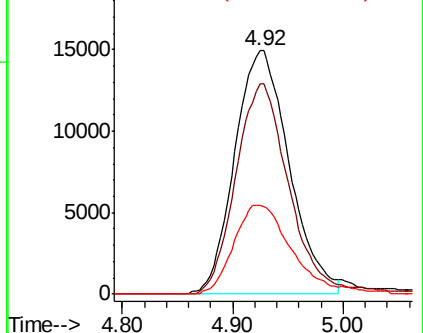
51 37.8 18.8 56.4

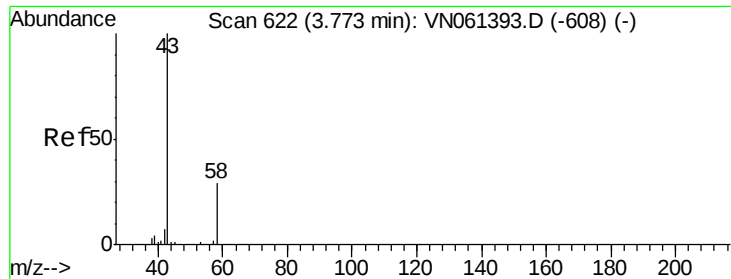


Abundance Ion 53.00 (52.70 to 53.70): VN061413.D (-962) (-)

Ion 52.00 (51.70 to 52.70): VN061413.D (-962) (-)

Ion 51.00 (50.70 to 51.70): VN061413.D (-962) (-)





#15

Acetone

Concen: 97.592 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

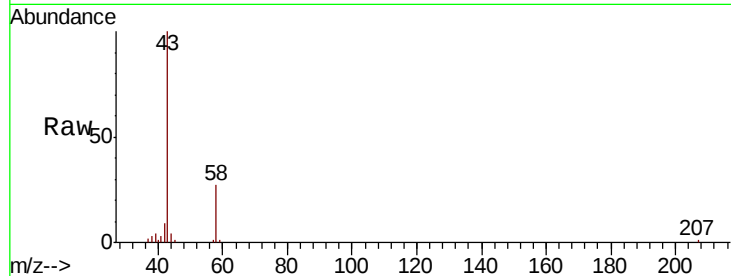
ClientSampleId :

Tot Ion: 58 Resp: 12292

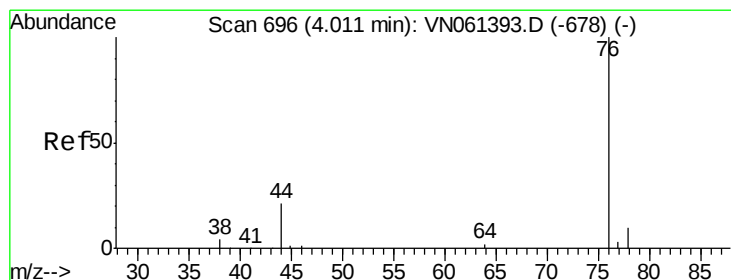
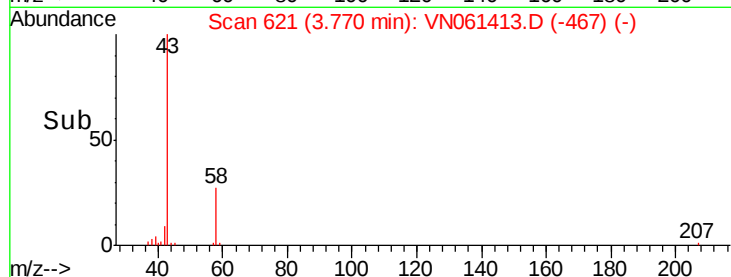
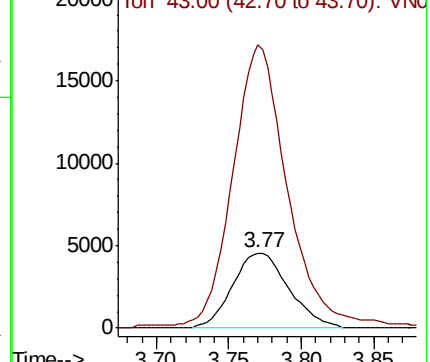
Ion Ratio Lower Upper

58 100

43 365.8 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN061413.D (-608) (-)



#16

Carbon Disulfide

Concen: 16.440 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.01 min

Lab File: VN061413.D

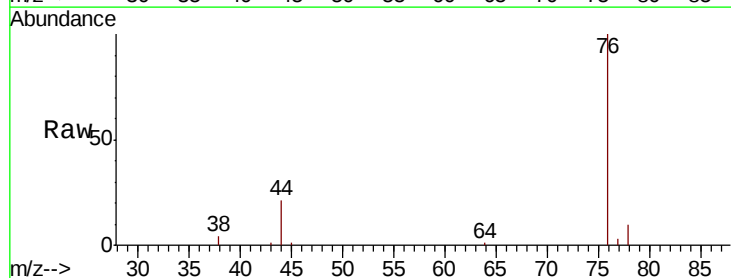
Acq: 15 May 2020 16:48

Tgt Ion: 76 Resp: 42519

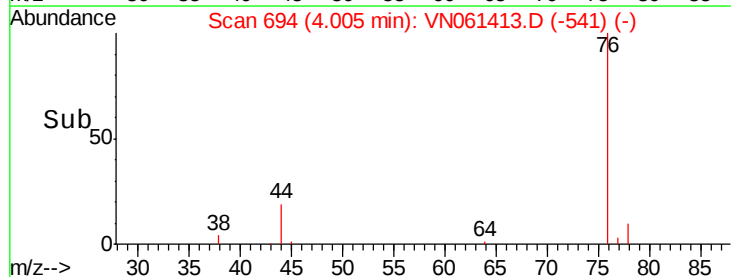
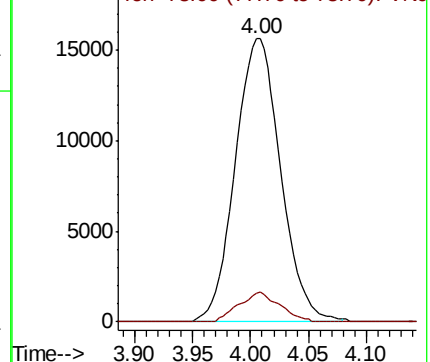
Ion Ratio Lower Upper

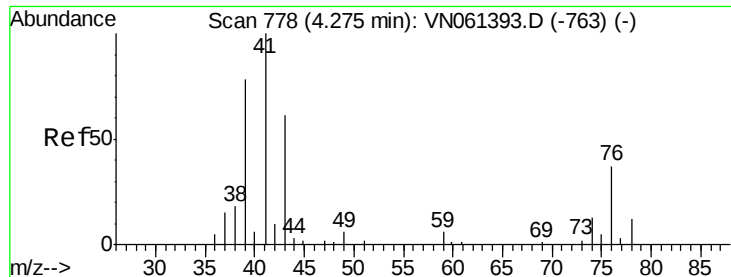
76 100

78 10.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061413.D (-678) (-)

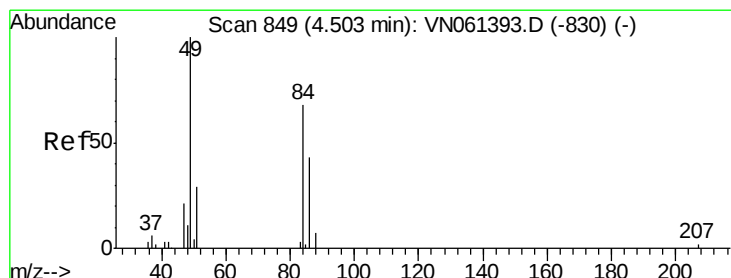
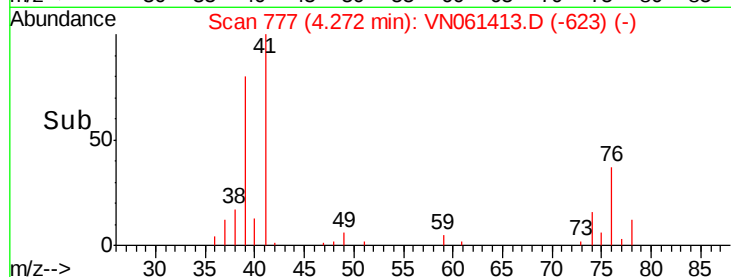
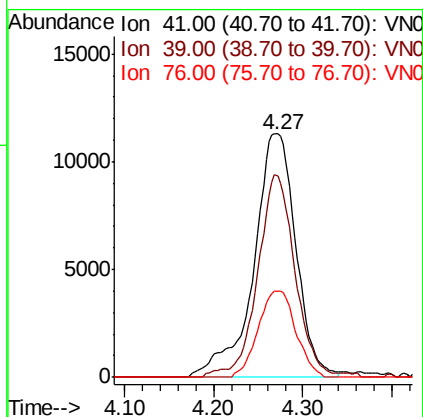
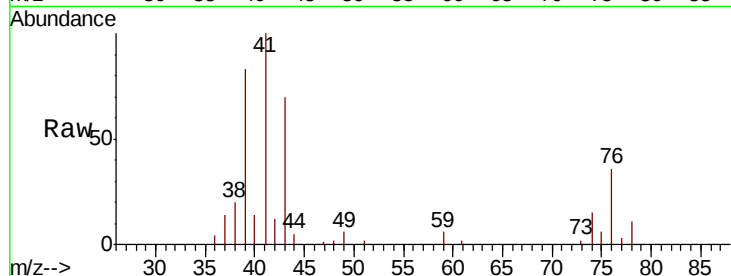




#17
Allvl chloride
Concen: 20.171 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

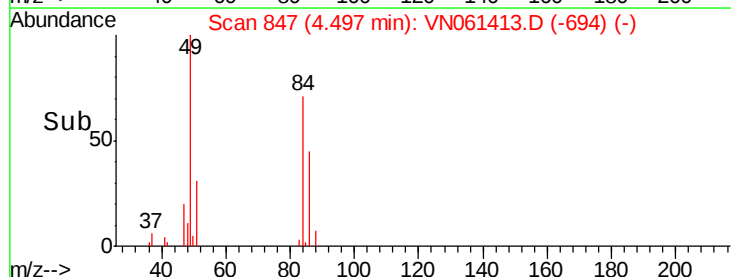
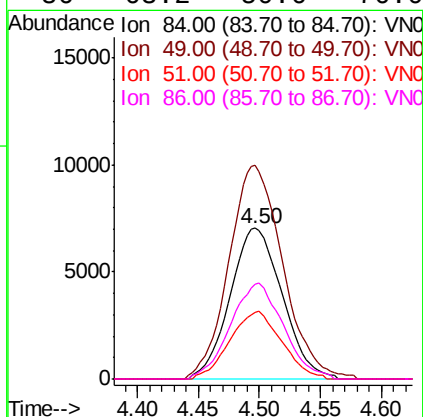
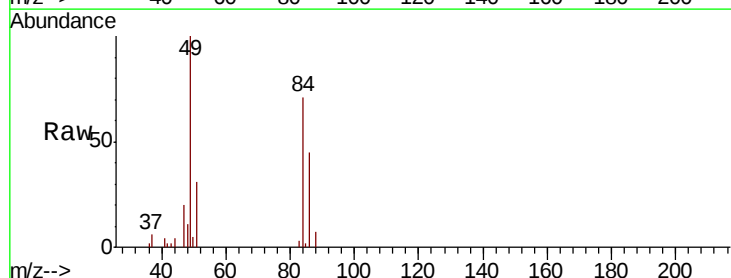
Instrument :
MSVOA_N
ClientSampled :

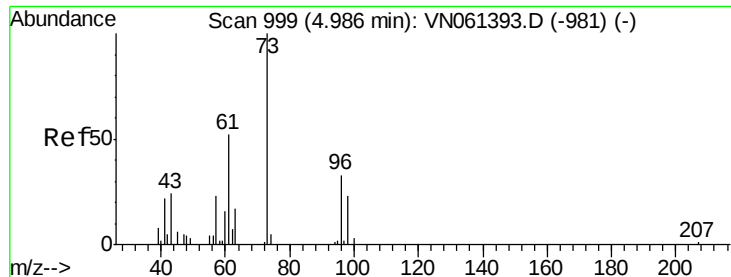
Tot Ion: 41 Resp: 37356
Ion Ratio Lower Upper
41 100
39 82.6 39.6 118.8
76 35.5 17.6 52.9



#18
Methylene Chloride
Concen: 18.855 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 84 Resp: 20936
Ion Ratio Lower Upper
84 100
49 138.7 106.6 160.0
51 44.5 32.4 48.6
86 63.2 50.6 76.0

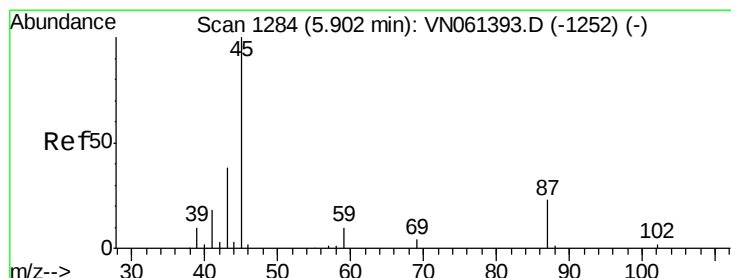
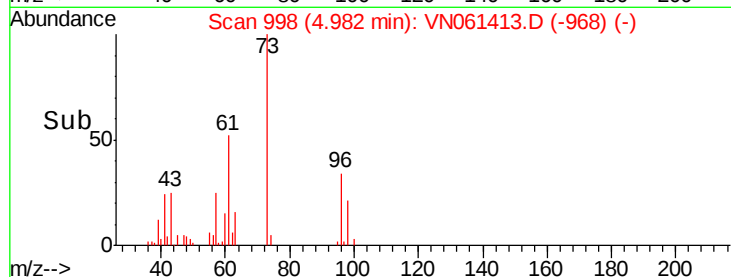
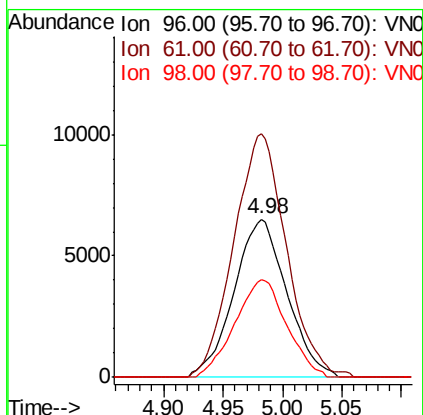
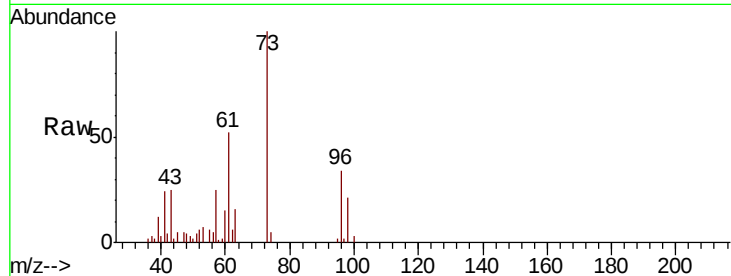




#19
trans-1,2-Dichloroethene
Concen: 18.261 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

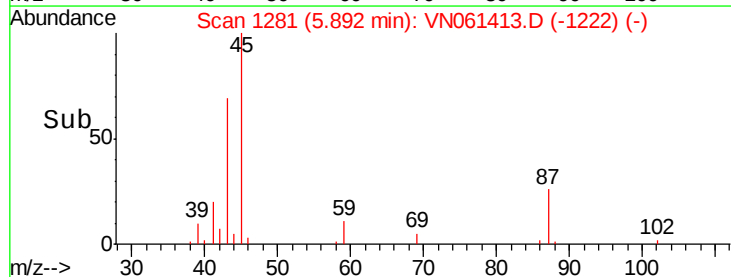
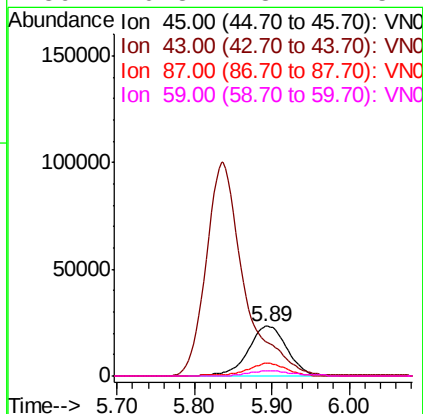
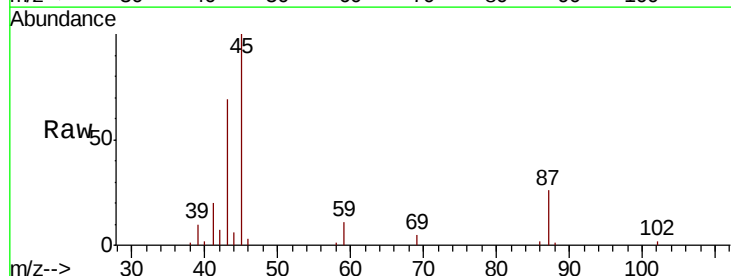
Instrument :
MSVOA_N
ClientSampled :

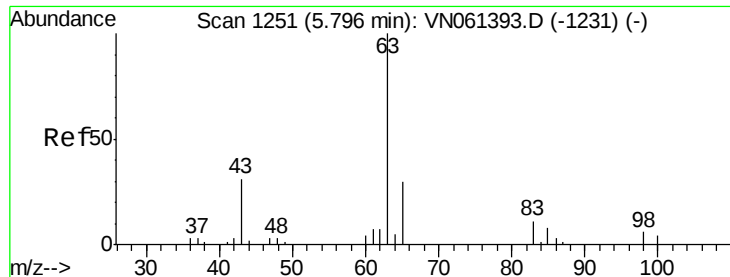
Tot Ion: 96 Resp: 19996
Ion Ratio Lower Upper
96 100
61 154.1 131.8 197.6
98 61.5 52.6 79.0



#20
Diisopropyl ether
Concen: 18.966 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 45 Resp: 81766
Ion Ratio Lower Upper
45 100
43 66.3 54.7 82.1
87 26.3 21.5 32.3
59 10.8 8.7 13.1

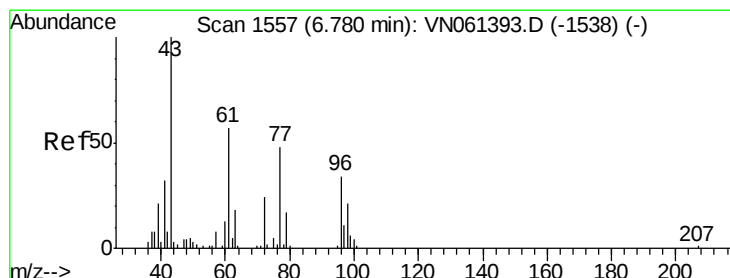
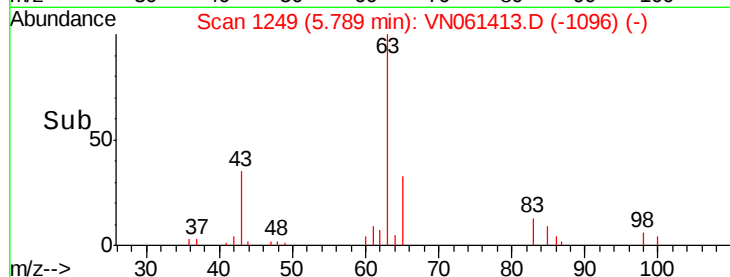
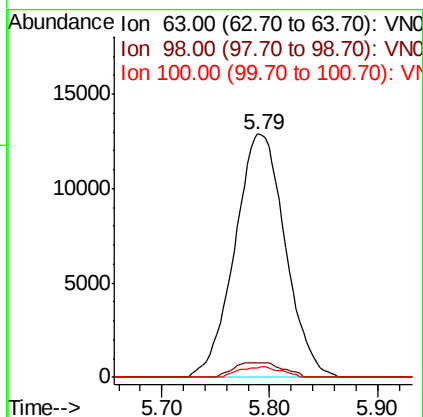
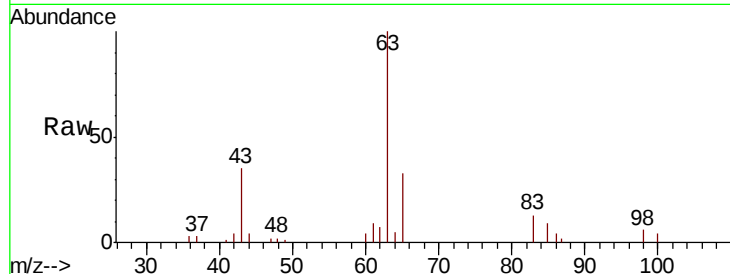




#21
 1,1-Dichloroethane
 Concen: 18.617 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

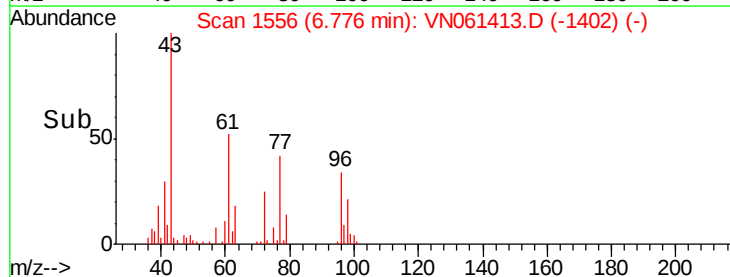
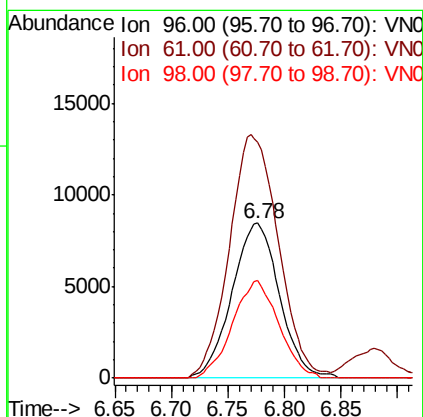
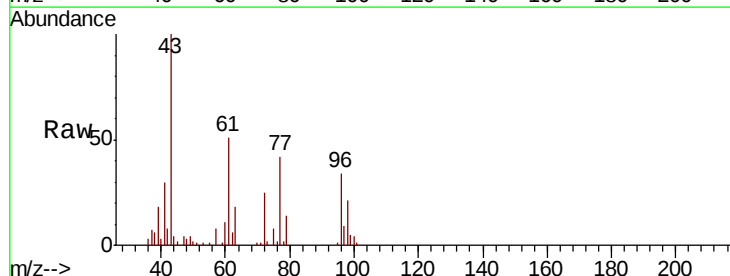
Instrument :
 MSVOA_N
 ClientSampleId :

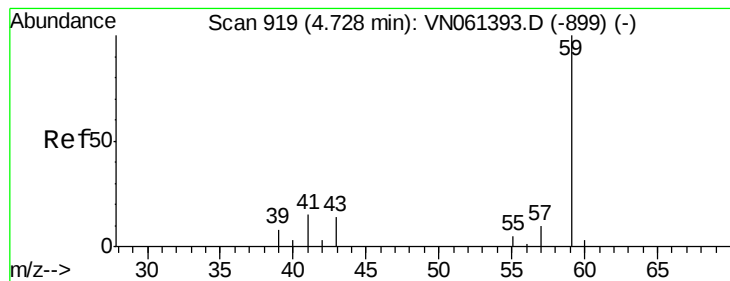
Tot Ion: 63 Resp: 41911
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 4.1 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.229 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 96 Resp: 24689
 Ion Ratio Lower Upper
 96 100
 61 162.2 127.2 190.8
 98 61.2 50.5 75.7



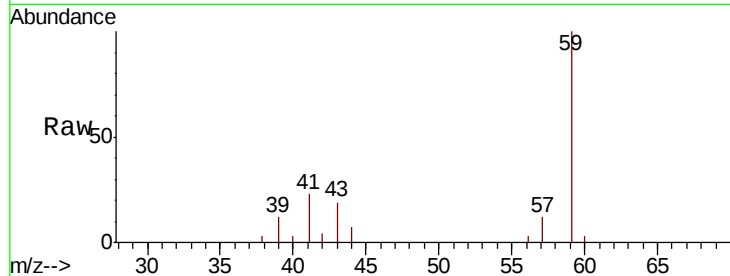


#23

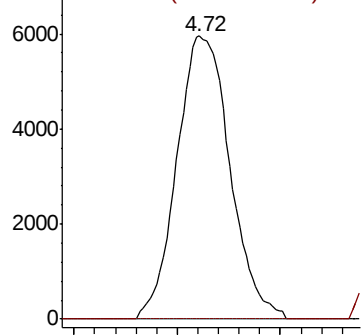
tert-Butyl Alcohol
 Concen: 126.915 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Instrument :
 MSVOA_N
 ClientSampled :

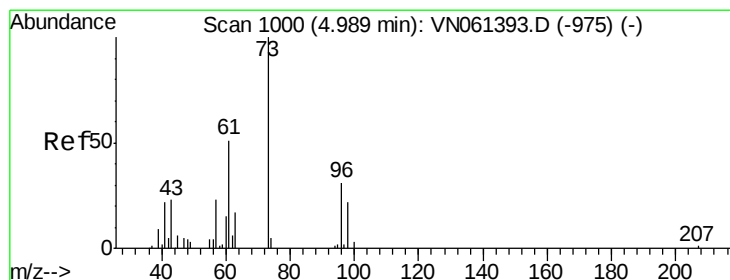
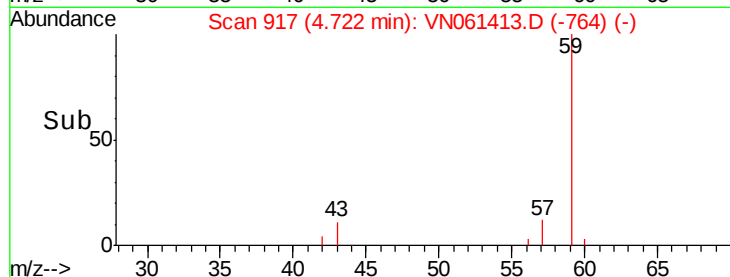
Tot Ion: 59 Resp: 21338
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



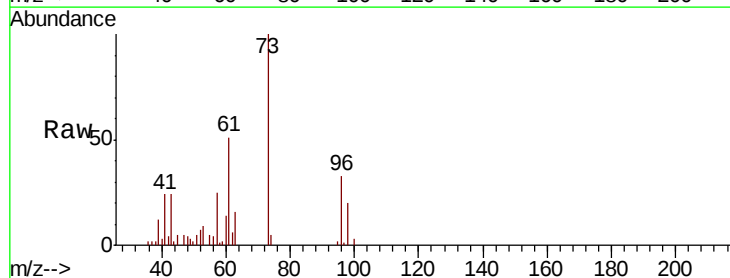
Time--> 4.60 4.70 4.80



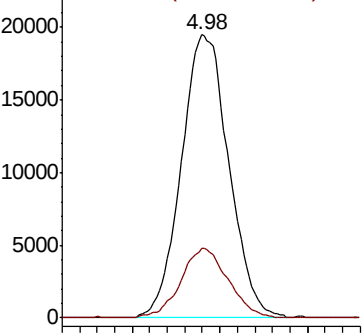
#24

Methyl tert-Butyl Ether
 Concen: 19.661 ug/l
 RT: 4.98 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

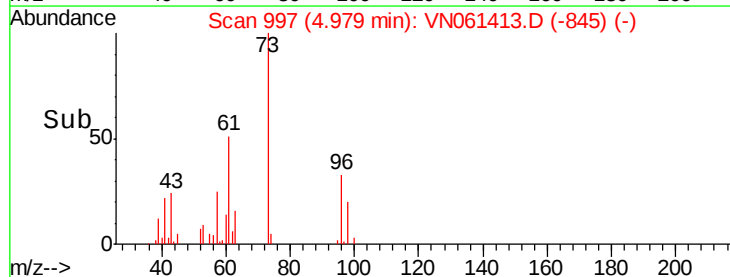
Tgt Ion: 73 Resp: 73413
 Ion Ratio Lower Upper
 73 100
 43 24.4 17.9 26.9

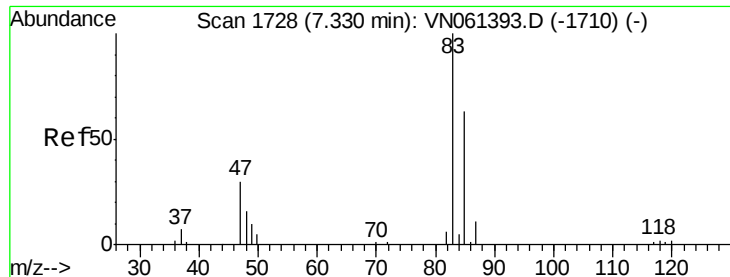


Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0



Time--> 4.90 5.00 5.10





#25

Chloroform

Concen: 19.051 ug/l

RT: 7.32 min Scan# 1726

Delta R.T. -0.01 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

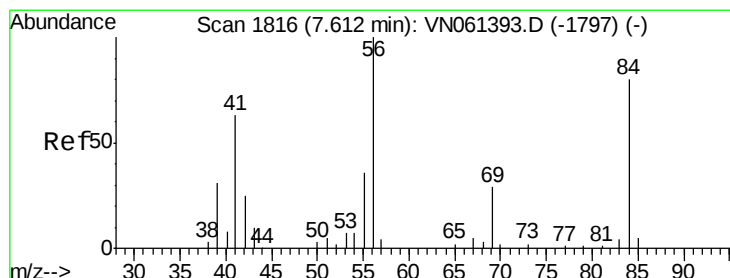
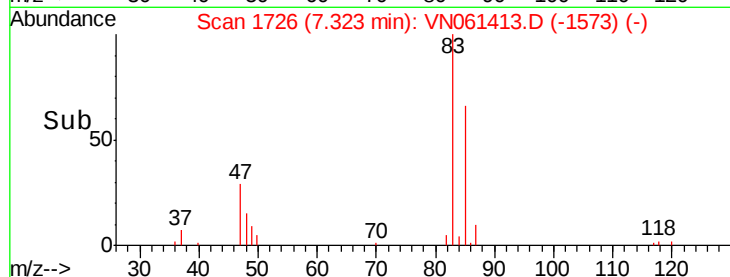
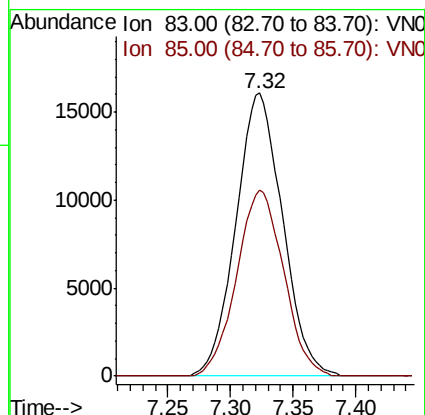
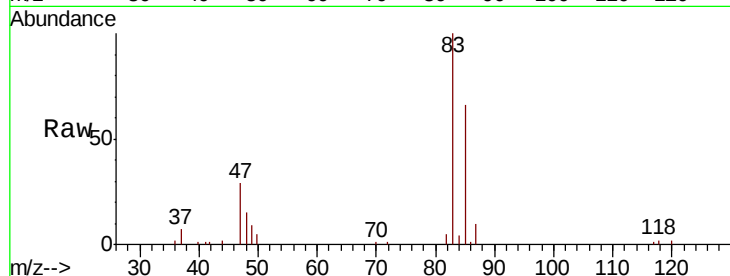
ClientSampleId :

Tot Ion: 83 Resp: 41574

Ion Ratio Lower Upper

83 100

85 65.7 53.8 80.8



#26

Cyclohexane

Concen: 17.580 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

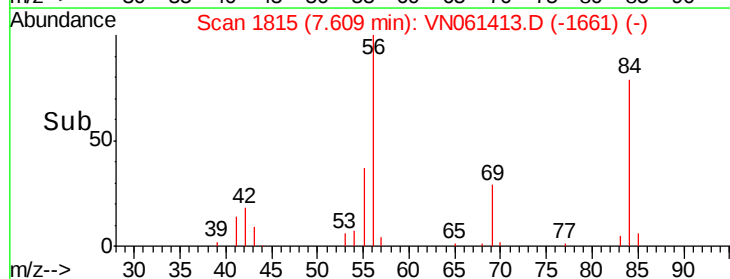
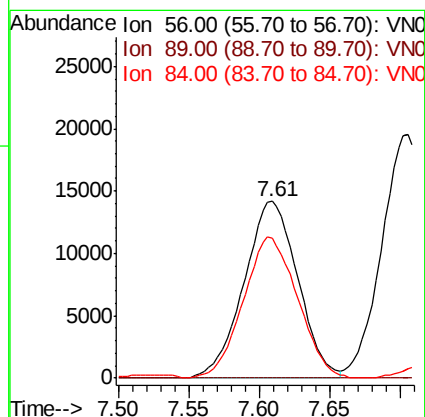
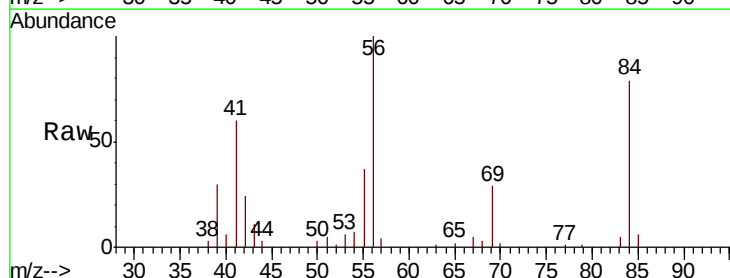
Tgt Ion: 56 Resp: 37790

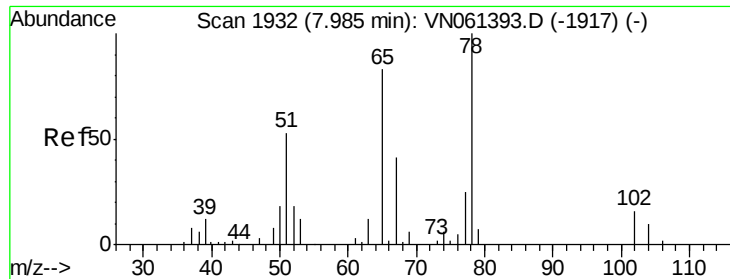
Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 80.4 65.6 98.4

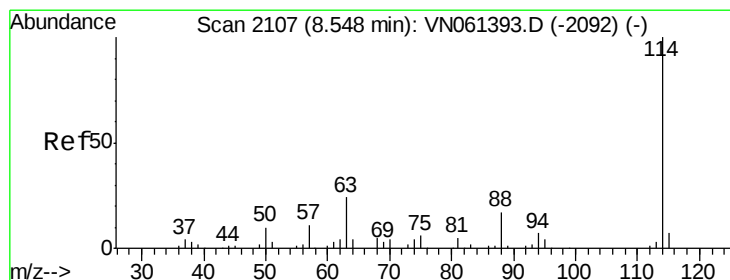
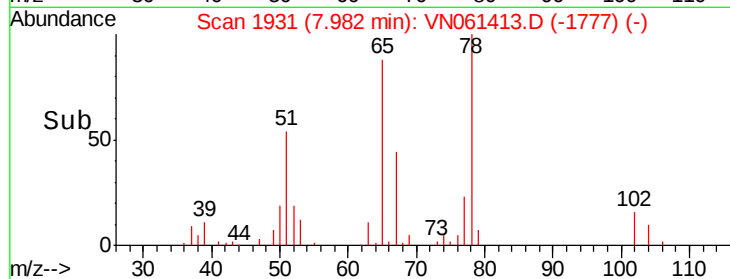
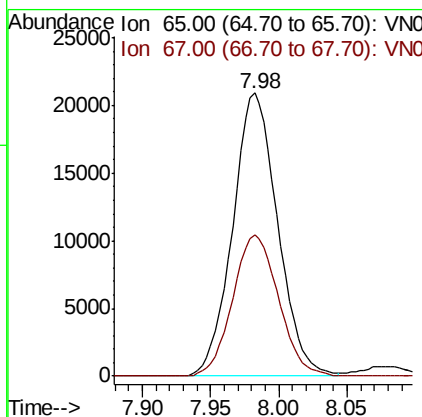
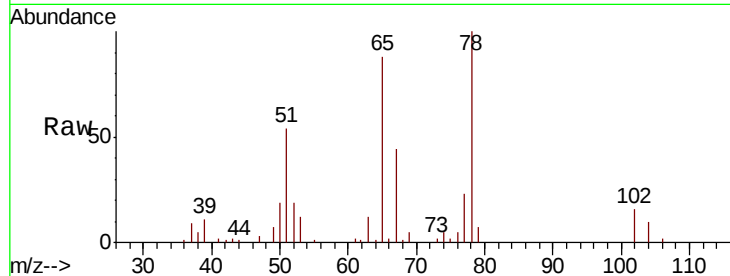




#27
 1,2-Dichloroethane-d4
 Concen: 31.225 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

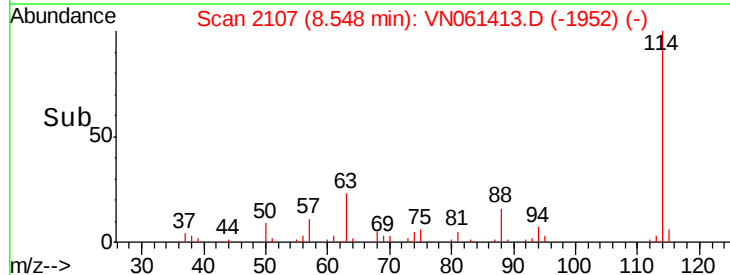
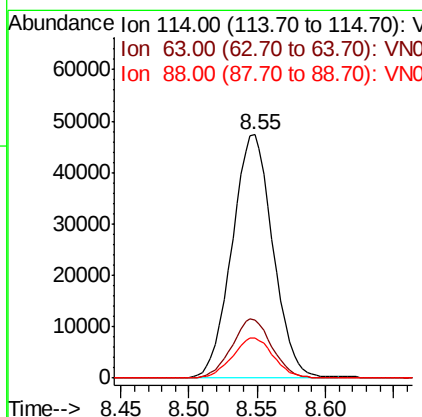
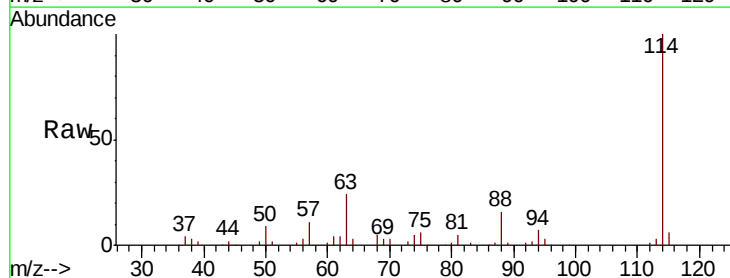
Instrument :
 MSVOA_N
 ClientSampled :

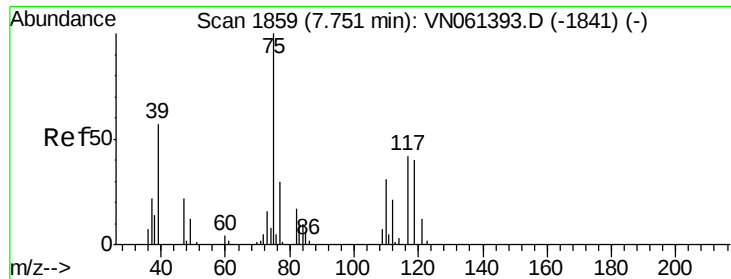
Tot Ion: 65 Resp: 47897
 Ion Ratio Lower Upper
 65 100
 67 50.8 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 114 Resp: 98671
 Ion Ratio Lower Upper
 114 100
 63 23.7 18.1 27.1
 88 16.5 13.0 19.4





#29

1,1-Dichloropropene

Concen: 17.950 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

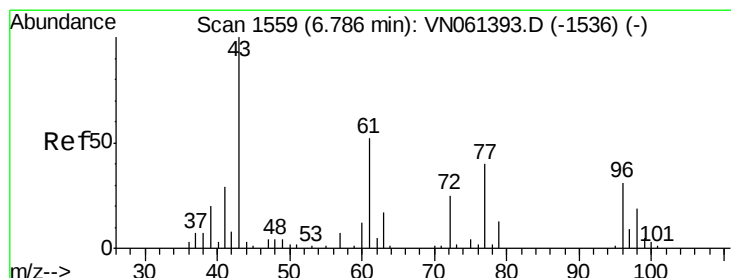
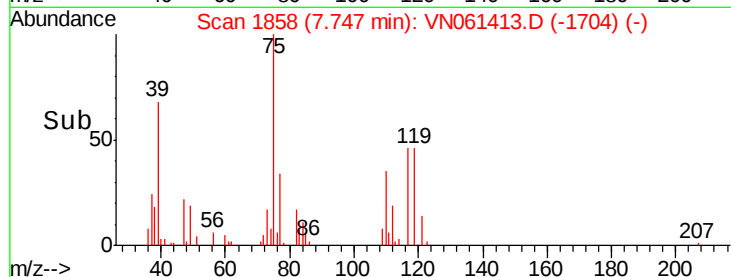
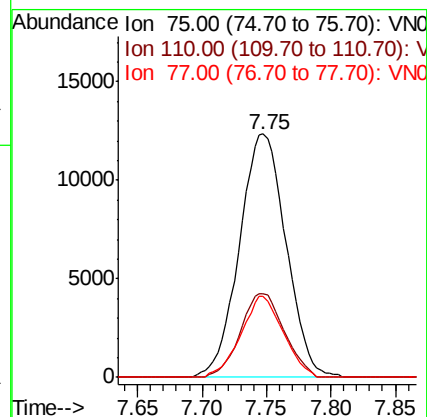
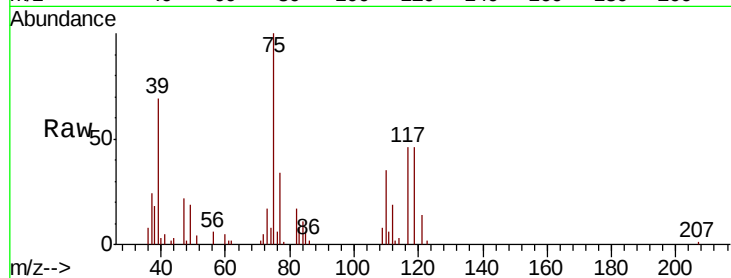
Tot Ion: 75 Resp: 31081

Ion Ratio Lower Upper

75 100

110 32.3 0.0 64.6

77 30.3 0.0 60.8



#30

2-Butanone

Concen: 101.374 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

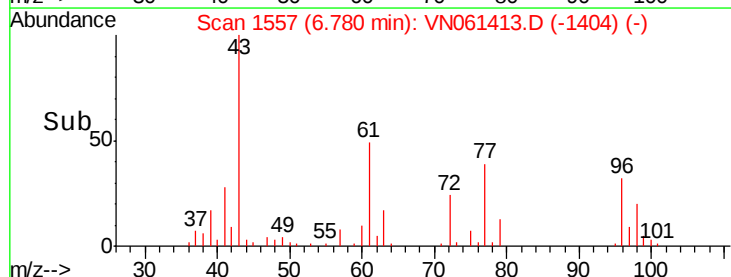
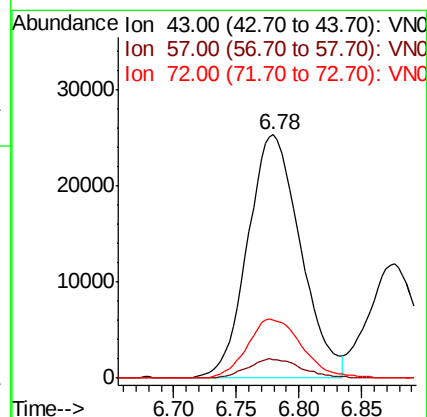
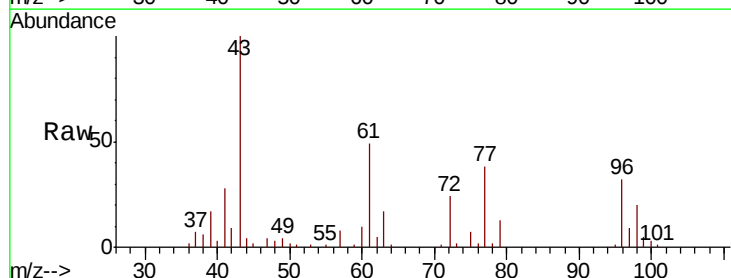
Tgt Ion: 43 Resp: 74251

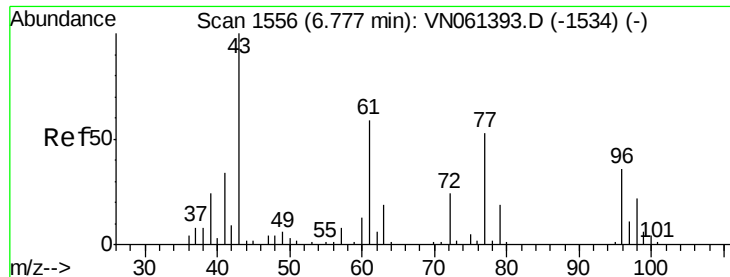
Ion Ratio Lower Upper

43 100

57 8.0 6.5 9.7

72 25.2 20.1 30.1





#31

2,2-Dichloropropane

Concen: 17.757 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

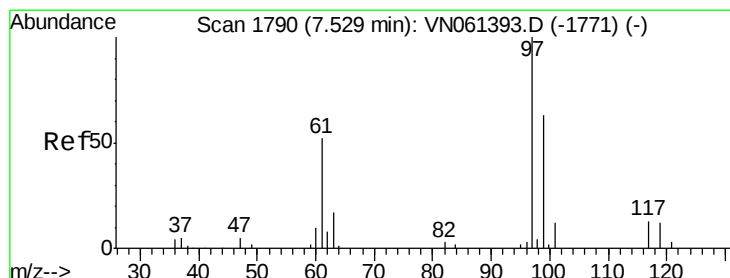
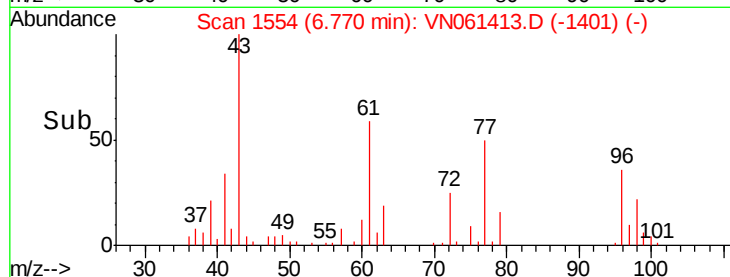
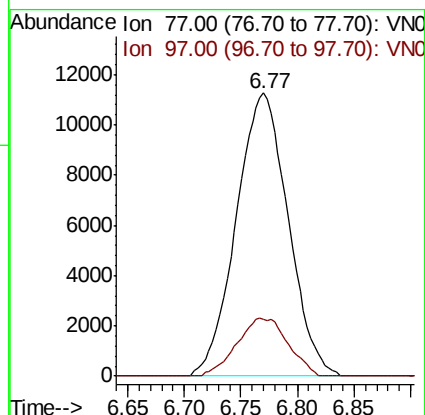
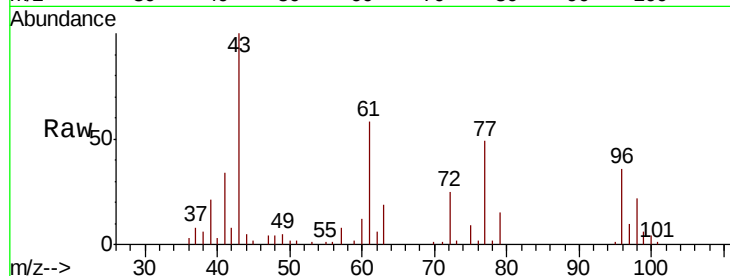
ClientSampleId :

Tot Ion: 77 Resp: 35921

Ion Ratio Lower Upper

77 100

97 12.1 17.9 26.9#



#32

1,1,1-Trichloroethane

Concen: 18.117 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

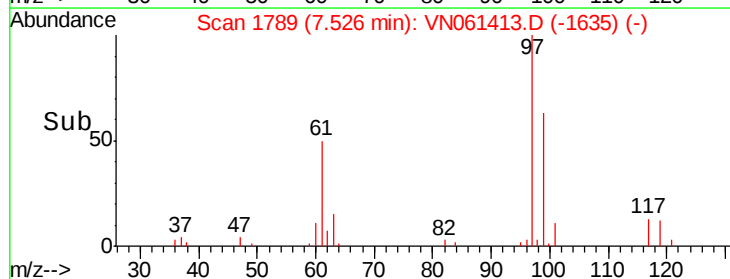
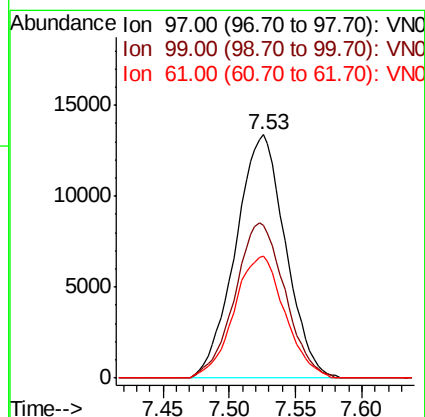
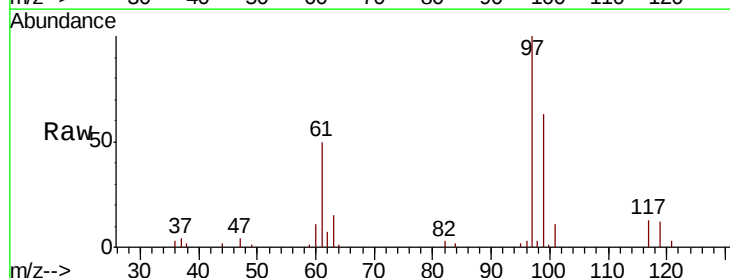
Tgt Ion: 97 Resp: 35099

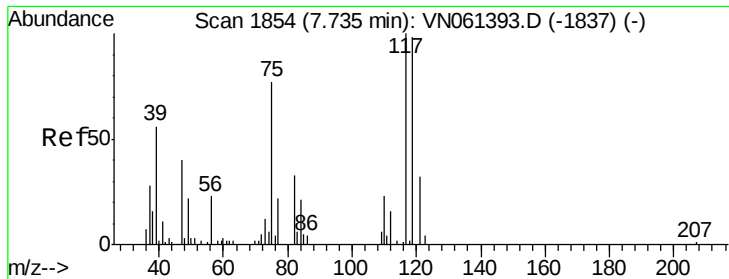
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 50.8 38.4 57.6

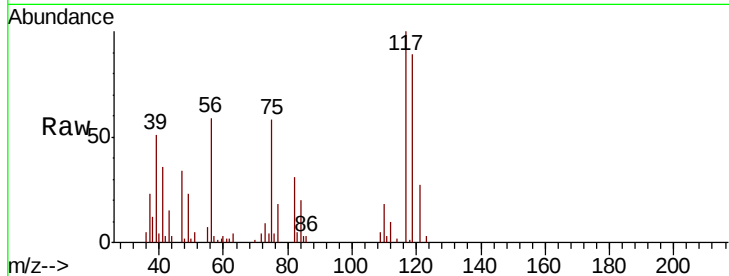




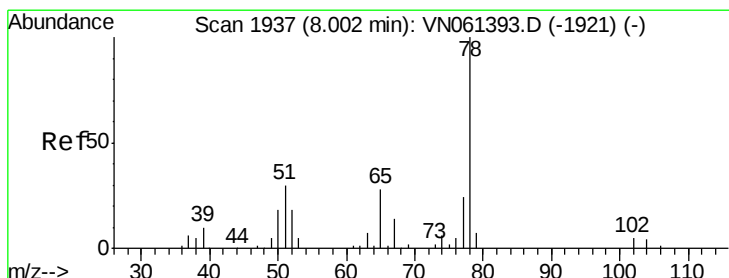
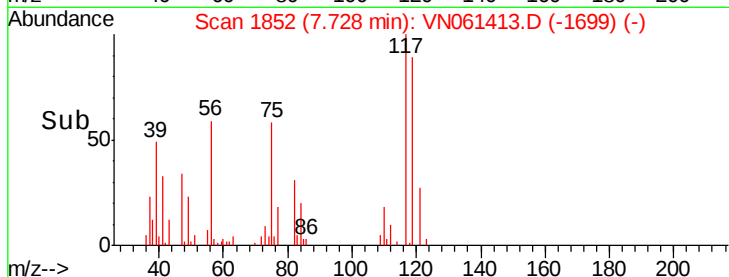
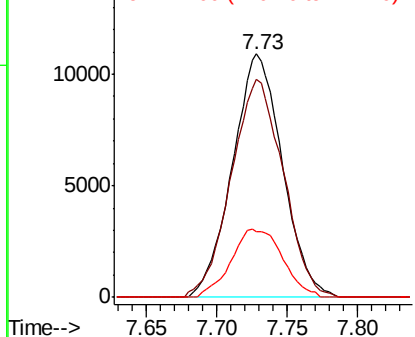
#33
Carbon Tetrachloride
Concen: 18.155 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 26998
Ion Ratio Lower Upper
117 100
119 89.4 76.9 115.3
121 27.2 23.8 35.8

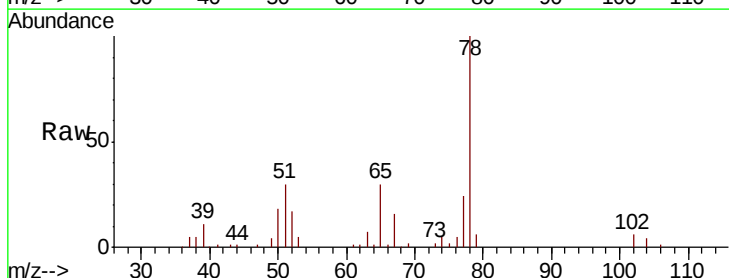


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

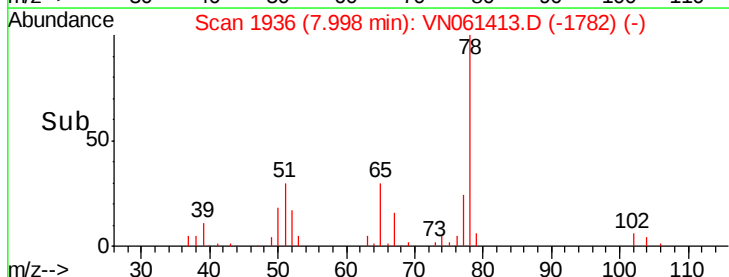
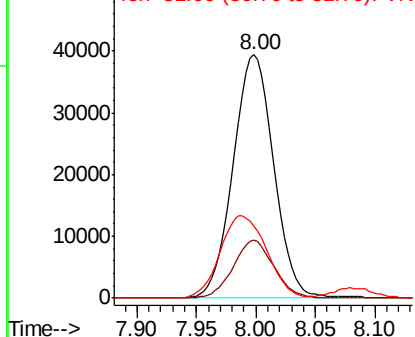


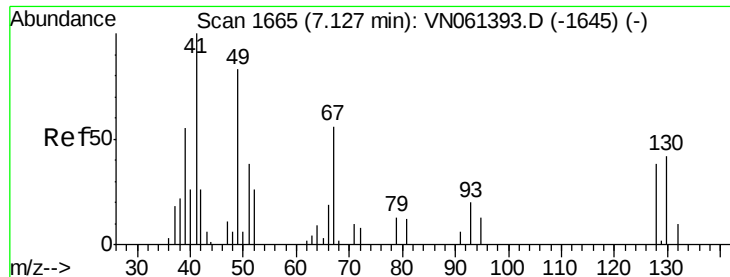
#34
Benzene
Concen: 19.041 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 78 Resp: 93274
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8
51 29.0 22.1 33.1



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

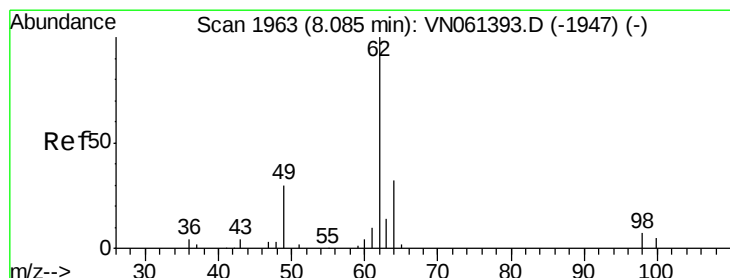
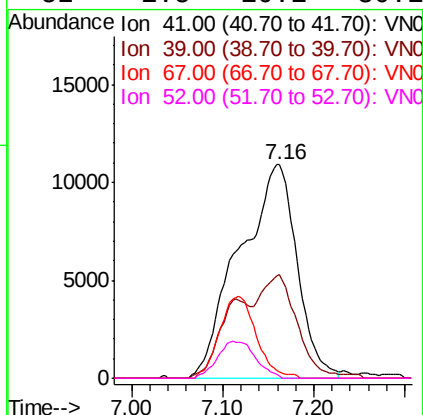
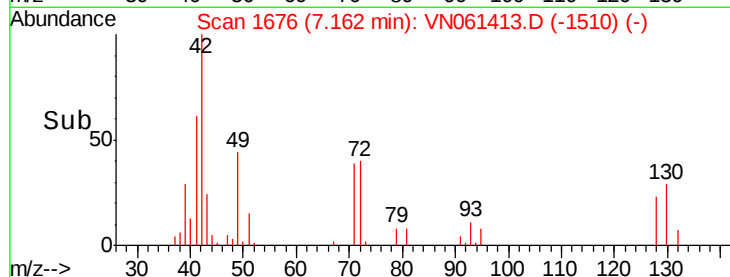
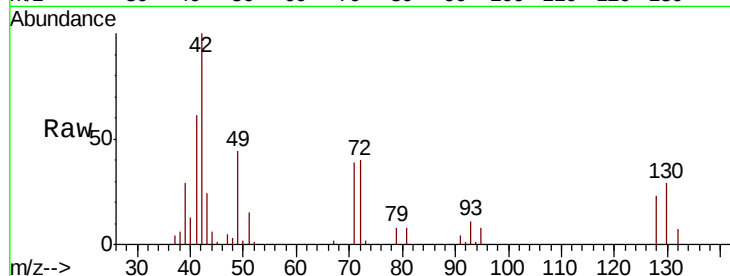




#35
Methacrylonitrile
Concen: 65.320 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.04 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

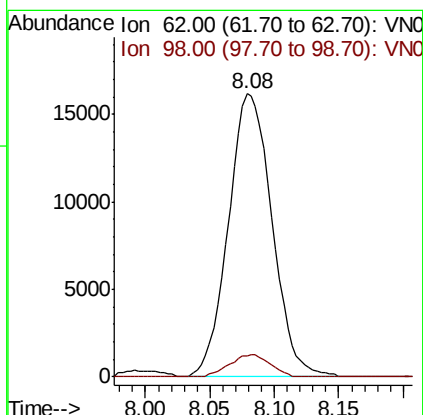
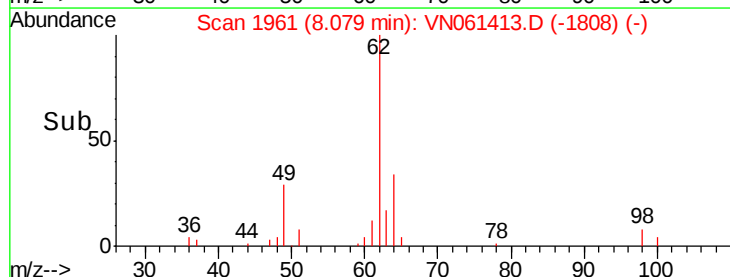
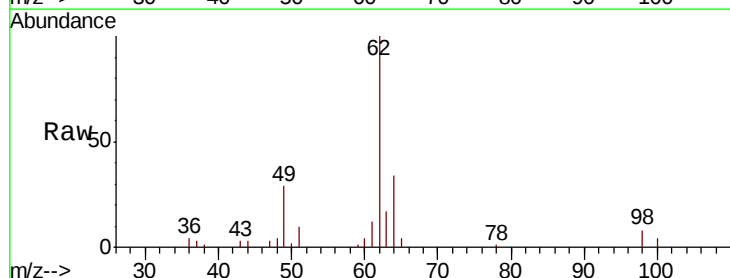
Instrument :
MSVOA_N
ClientSampleId :

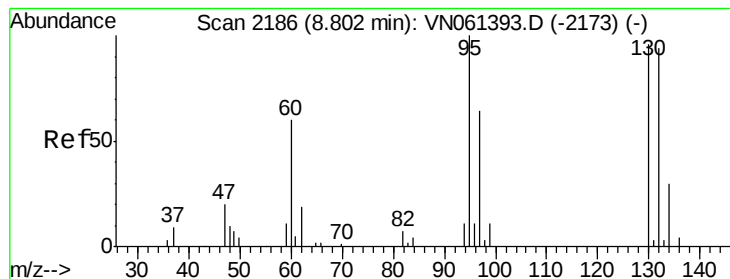
Tot Ion: 41 Resp: 47987
Ion Ratio Lower Upper
41 100
39 48.4 25.8 77.4
67 3.0 23.0 69.0#
52 1.5 10.1 30.1#



#36
1,2-Dichloroethane
Concen: 20.250 ug/l
RT: 8.08 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 62 Resp: 38078
Ion Ratio Lower Upper
62 100
98 7.3 6.4 9.6





#37

Trichloroethene

Concen: 18.868 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

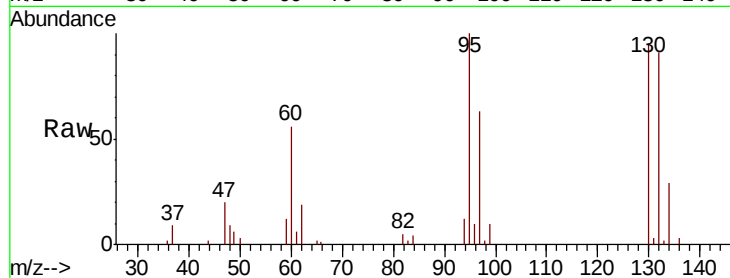
ClientSampleId :

Tot Ion:130 Resp: 22757

Ion Ratio Lower Upper

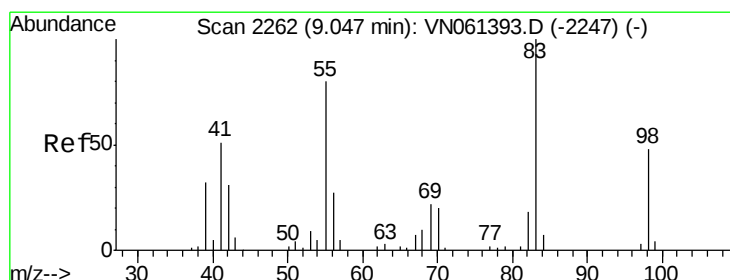
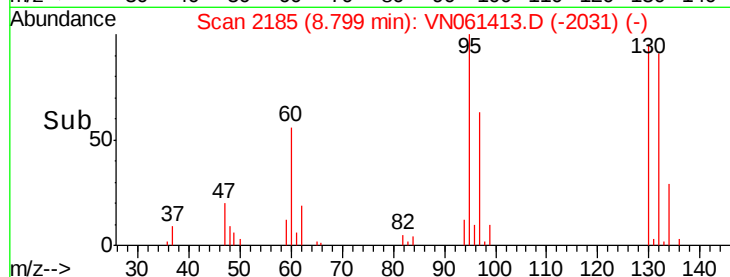
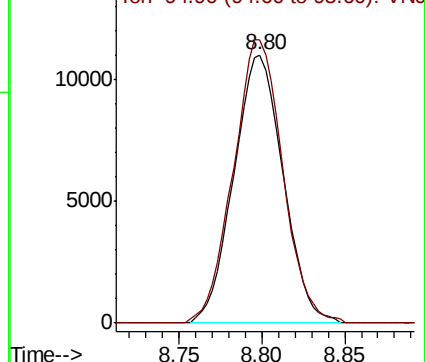
130 100

95 104.1 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.891 ug/l

RT: 9.04 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

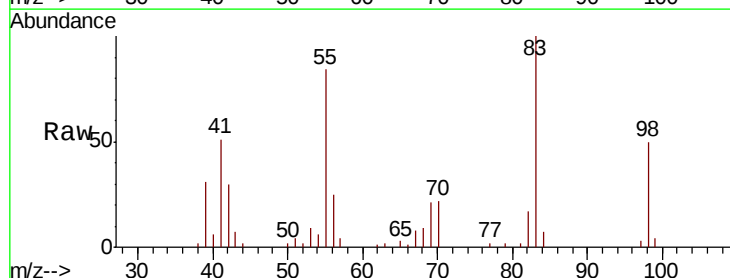
Tgt Ion: 83 Resp: 37187

Ion Ratio Lower Upper

83 100

55 84.0 40.4 121.1

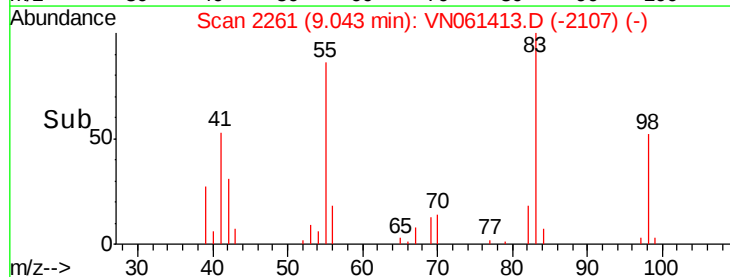
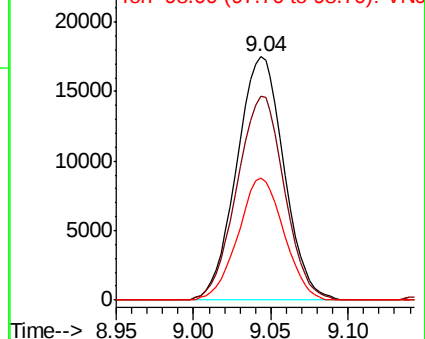
98 48.6 21.6 65.0

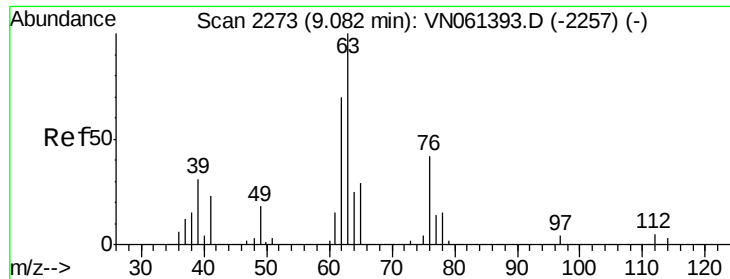


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

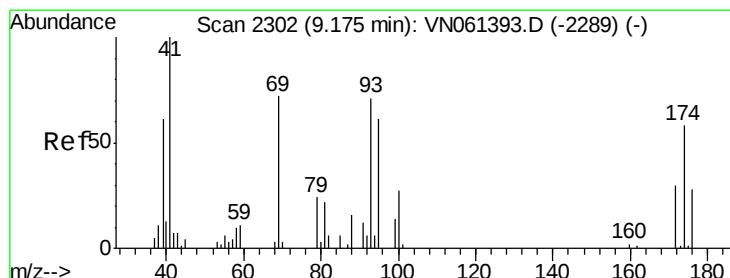
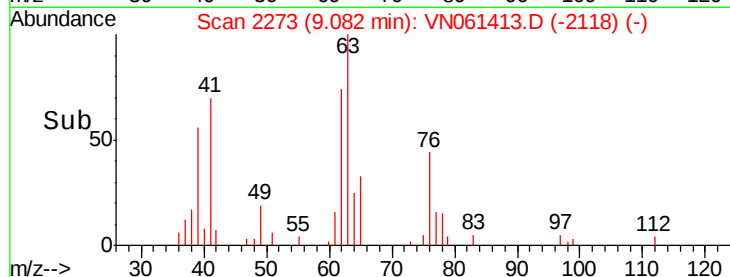
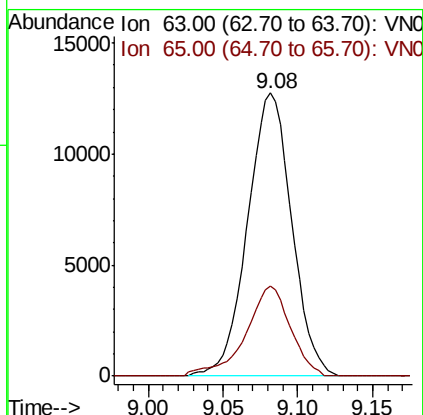
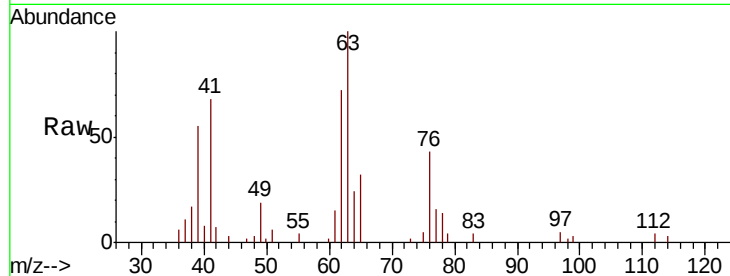




#39
 1,2-Dichloropropane
 Concen: 19.428 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

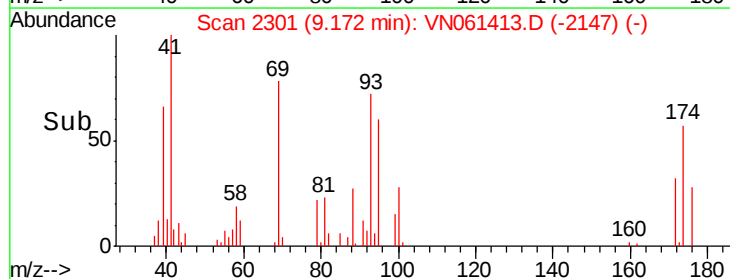
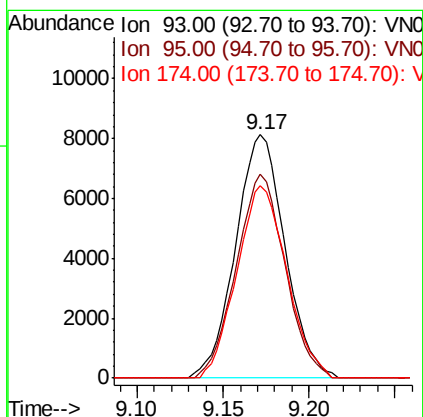
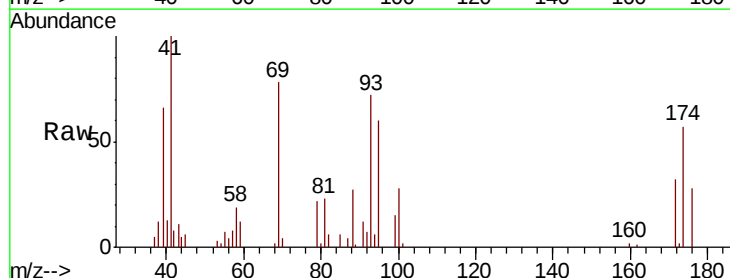
Instrument :
 MSVOA_N
 ClientSampleId :

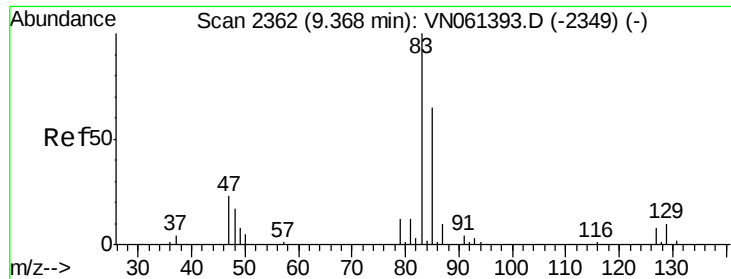
Tot Ion: 63 Resp: 26164
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.8 35.6



#40
 Dibromomethane
 Concen: 19.503 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 93 Resp: 16222
 Ion Ratio Lower Upper
 93 100
 95 82.4 0.0 167.6
 174 79.6 0.0 187.2

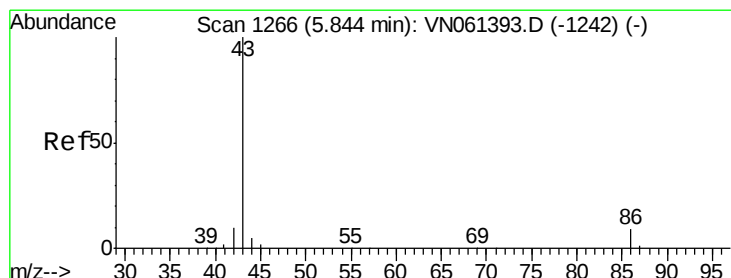
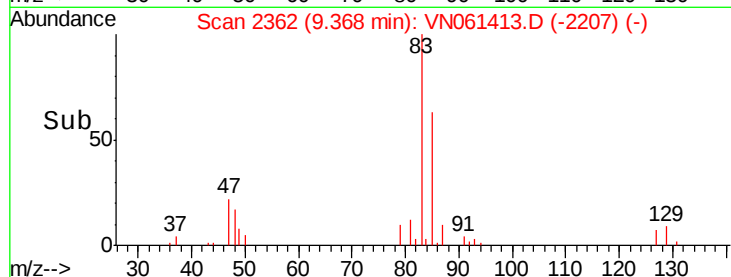
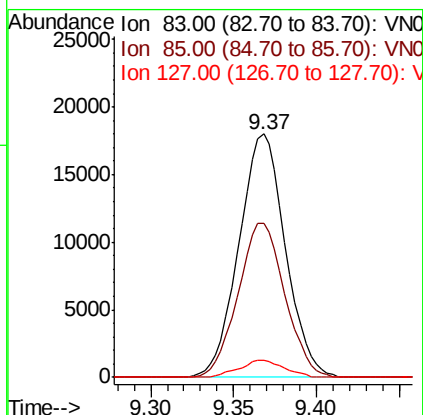
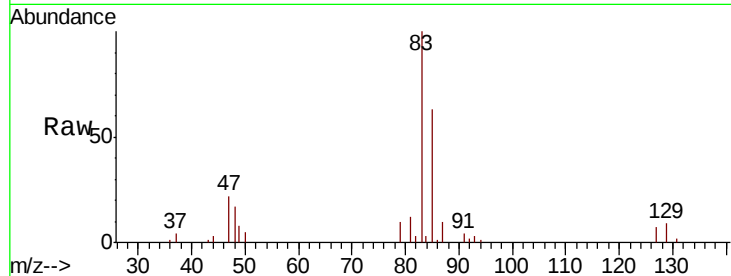




#41
 Bromodichloromethane
 Concen: 19.426 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

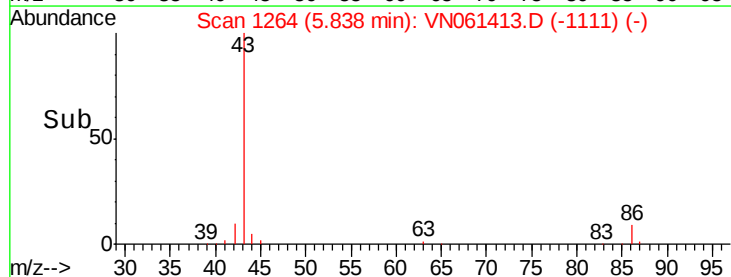
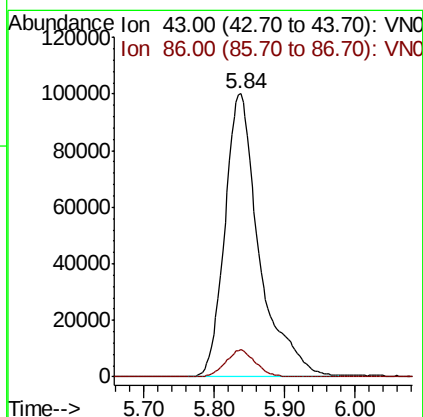
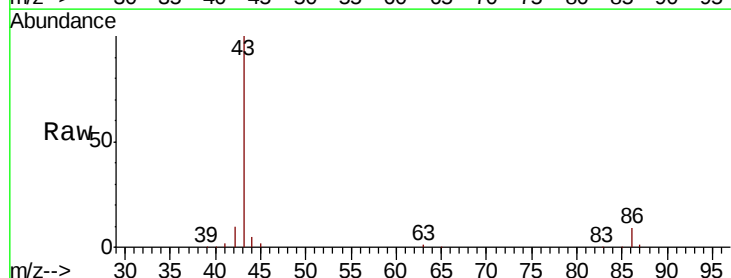
Instrument :
 MSVOA_N
 ClientSampleId :

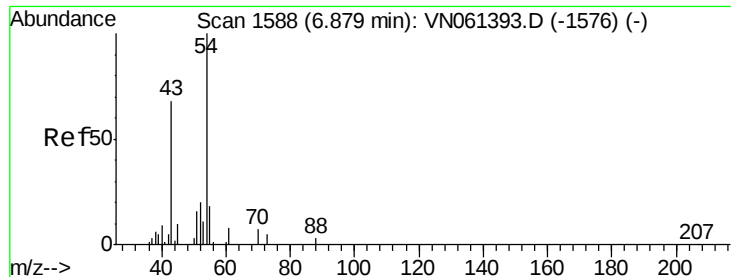
Tot Ion: 83 Resp: 35054
 Ion Ratio Lower Upper
 83 100
 85 63.1 51.0 76.4
 127 6.9 6.6 9.8



#42
 Vinyl Acetate
 Concen: 98.335 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 43 Resp: 342038
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7

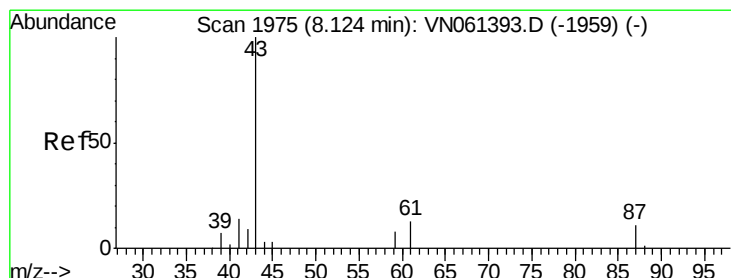
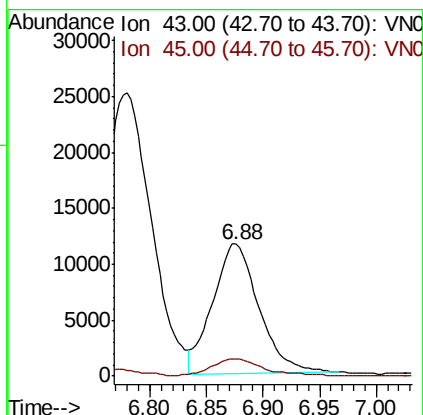
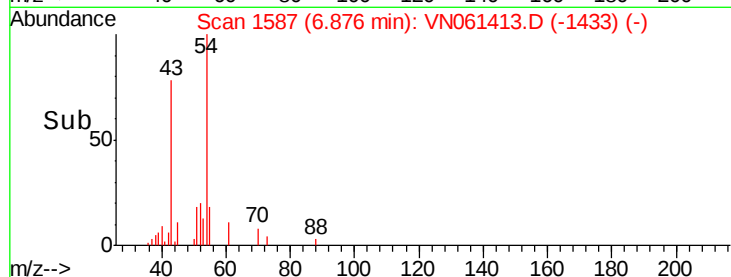
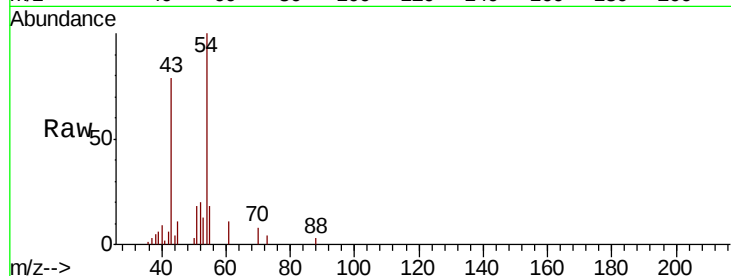




#43
Ethyl Acetate
Concen: 21.096 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

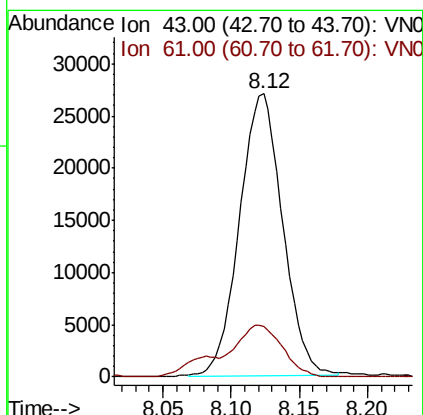
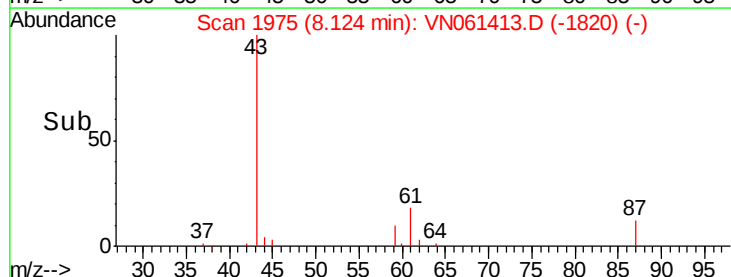
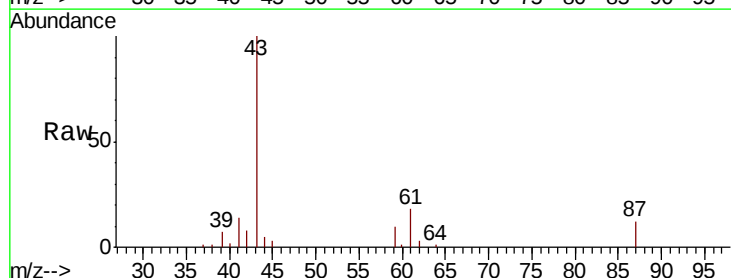
Instrument :
MSVOA_N
ClientSampled :

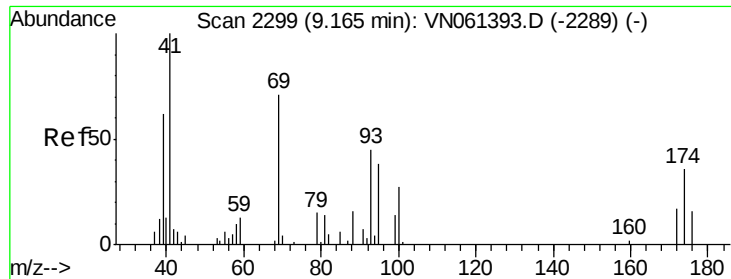
Tot Ion: 43 Resp: 33005
Ion Ratio Lower Upper
43 100
45 14.4 9.7 14.5



#44
Isopropyl Acetate
Concen: 19.498 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 43 Resp: 59228
Ion Ratio Lower Upper
43 100
61 19.7 19.9 29.9#

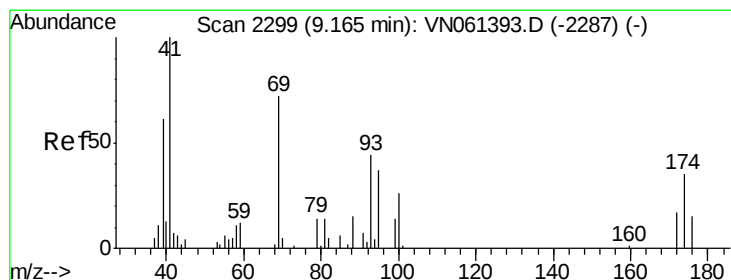
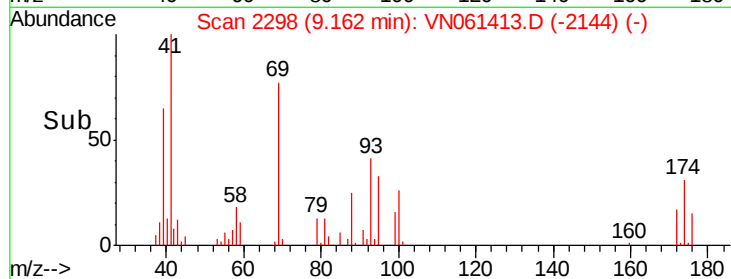
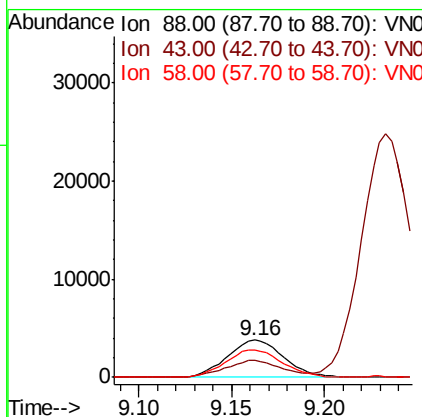
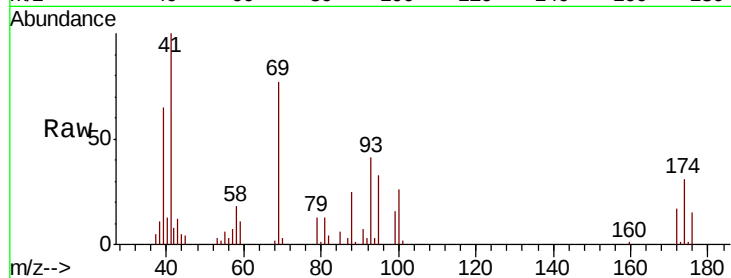




#45
 1,4-Dioxane
 Concen: 667.530 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

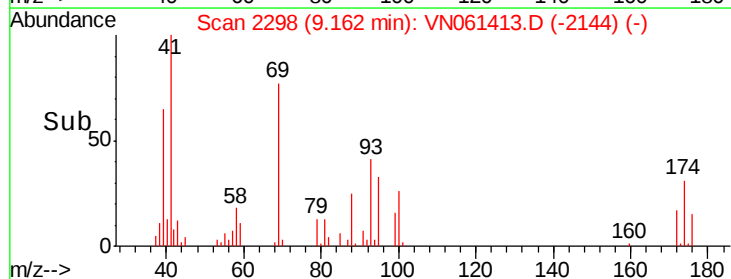
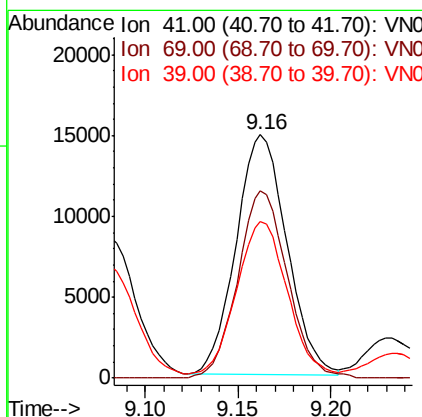
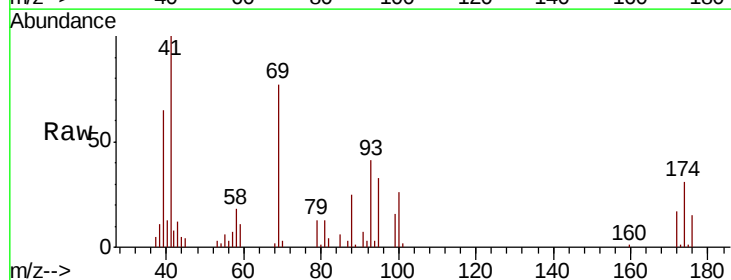
Instrument :
 MSVOA_N
 ClientSampleId :

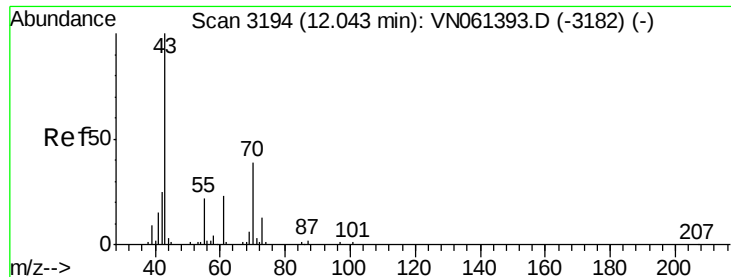
Tot Ion: 88 Resp: 8002
 Ion Ratio Lower Upper
 88 100
 43 45.6 29.8 44.8#
 58 73.9 58.2 87.4



#46
 Methyl methacrylate
 Concen: 19.711 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 41 Resp: 28156
 Ion Ratio Lower Upper
 41 100
 69 78.5 40.2 120.5
 39 63.9 29.9 89.8

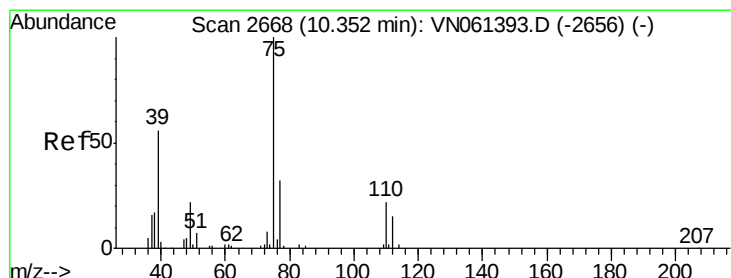
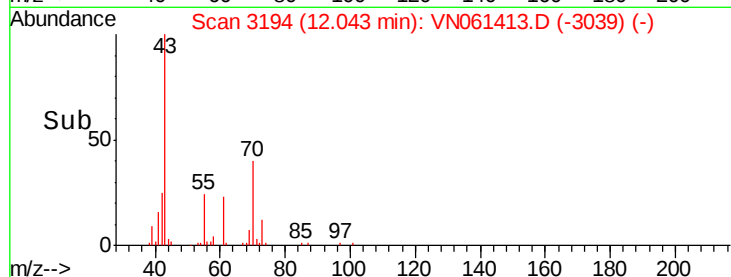
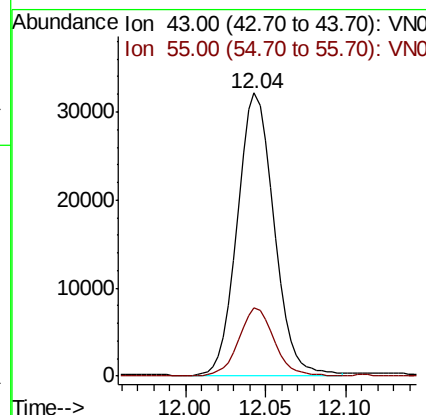
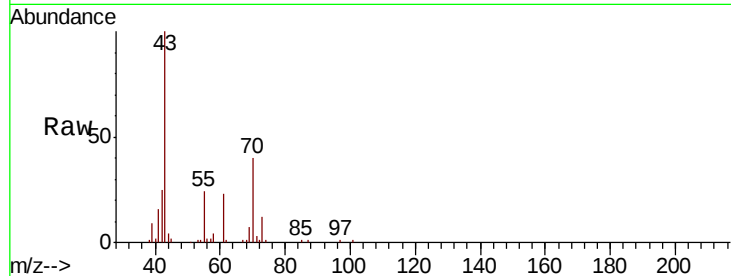




#47
n-amvl Acetate
Concen: 18.599 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

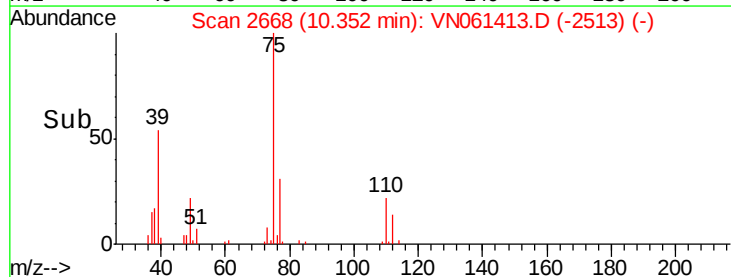
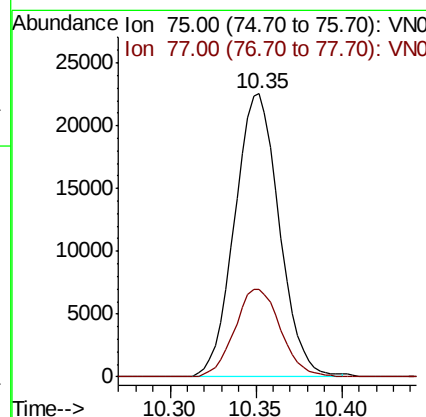
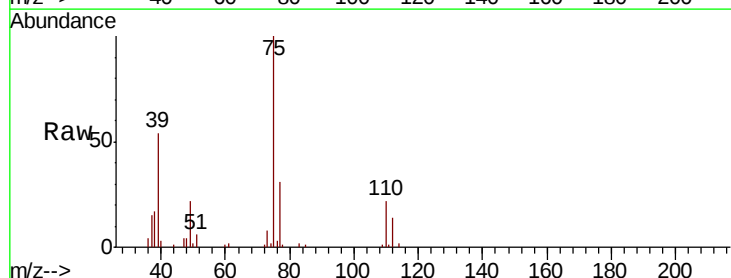
Instrument :
MSVOA_N
ClientSampled :

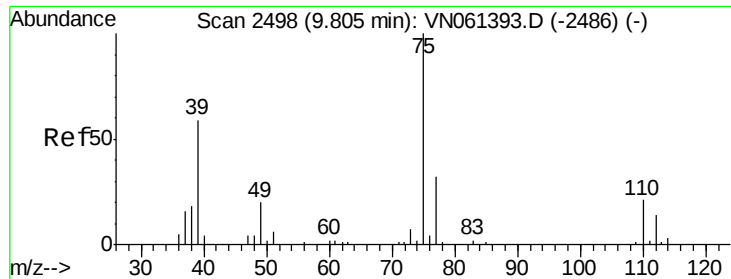
Tot Ion: 43 Resp: 50392
Ion Ratio Lower Upper
43 100
55 23.1 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 19.094 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 75 Resp: 40659
Ion Ratio Lower Upper
75 100
77 30.9 27.0 40.4

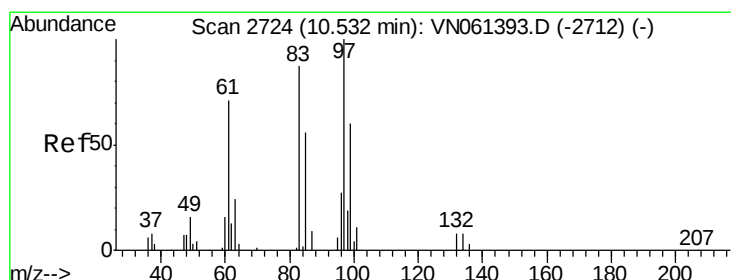
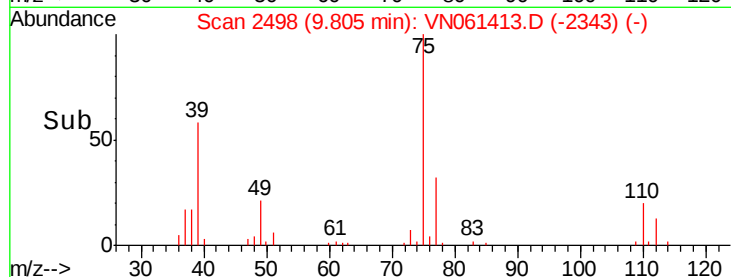
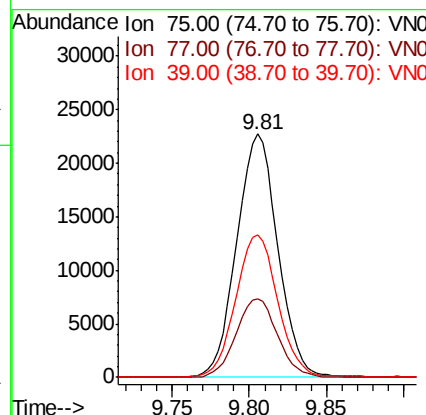
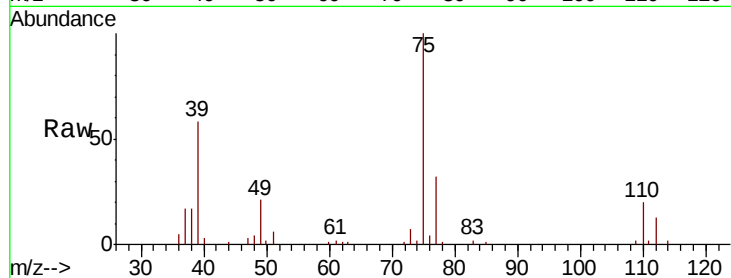




#49
 cis-1,3-Dichloropropene
 Concen: 18.597 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

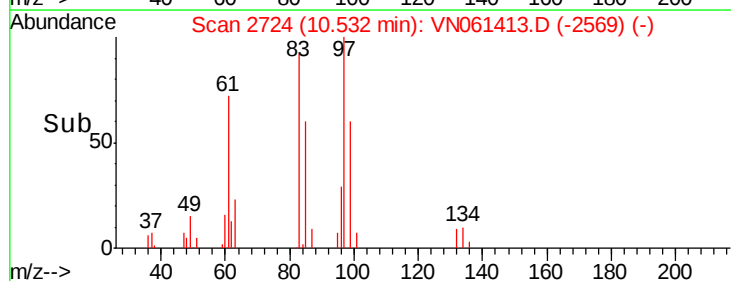
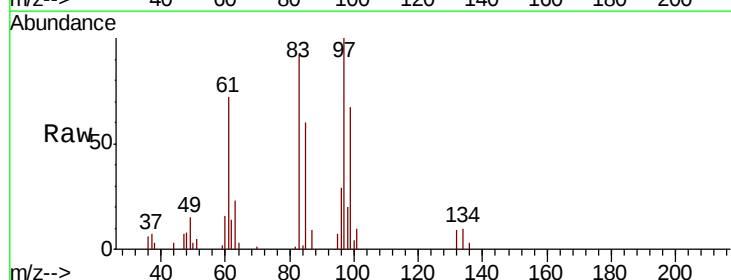
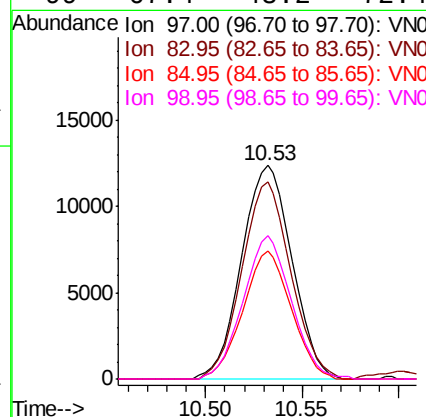
Instrument :
 MSVOA_N
 ClientSampleId :

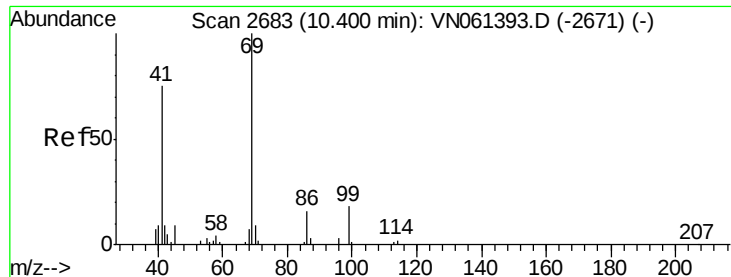
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.1	39.1
39	57.7	43.1	64.7



#50
 1,1,2-Trichloroethane
 Concen: 19.470 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.1	70.7	106.1
85	59.8	45.1	67.7
99	67.4	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.193 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

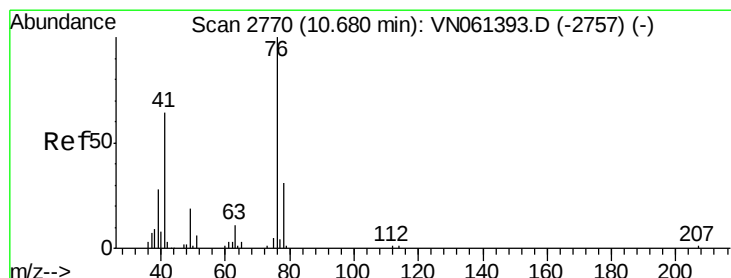
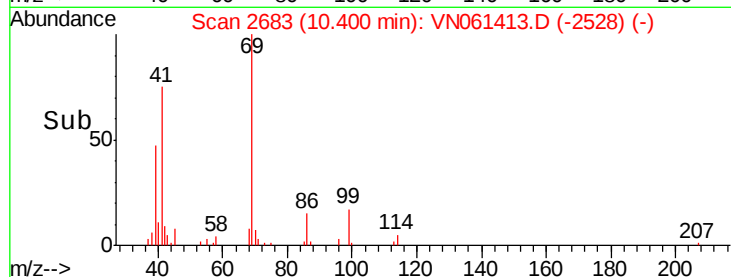
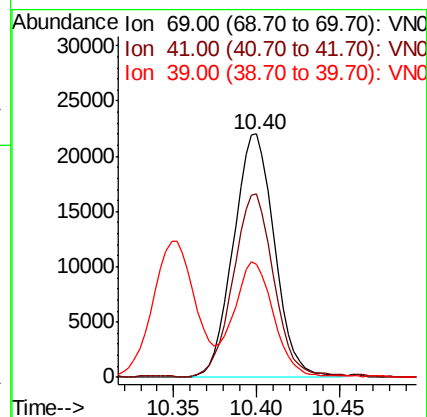
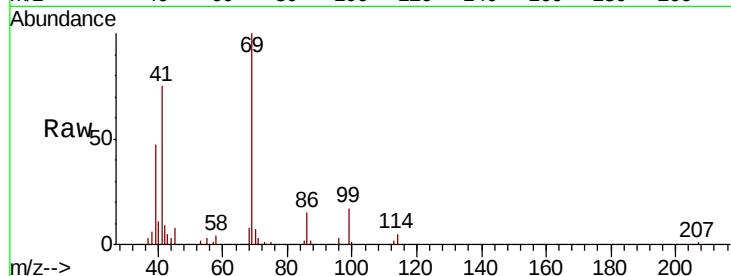
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 69 Resp: 38029

Ion	Ratio	Lower	Upper
69	100		
41	74.4	34.7	104.1
39	45.9	20.3	60.8



#52

1,3-Dichloropropane

Concen: 20.118 ug/l

RT: 10.68 min Scan# 2769

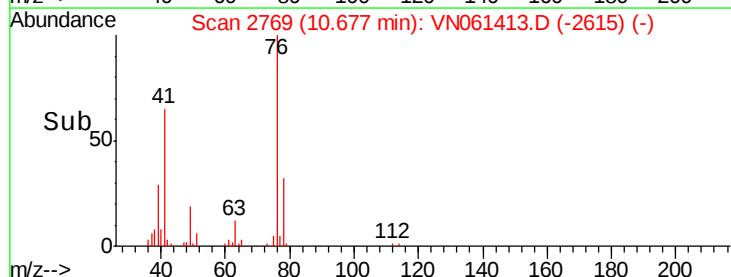
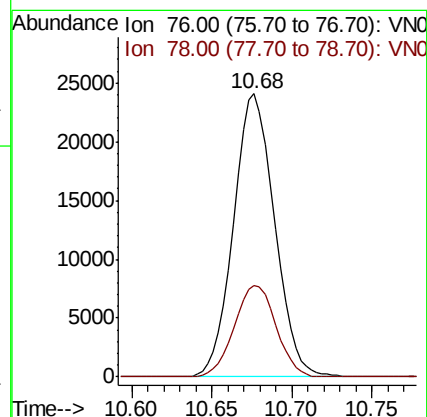
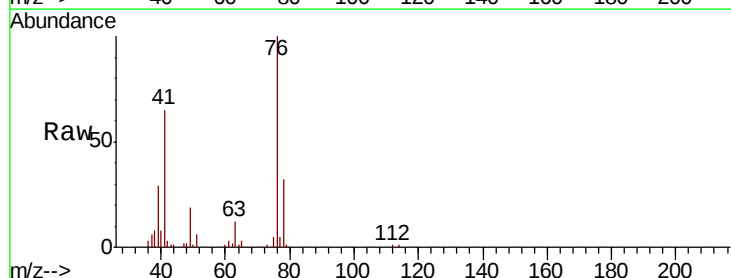
Delta R.T. -0.00 min

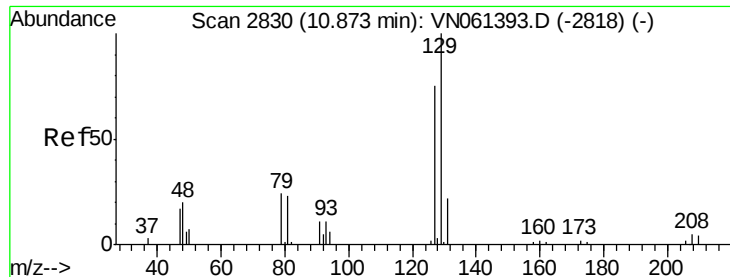
Lab File: VN061413.D

Acq: 15 May 2020 16:48

Tgt Ion: 76 Resp: 42249

Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	63.2





#53

Dibromochloromethane

Concen: 18.921 ug/l

RT: 10.87 min Scan# 2829

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

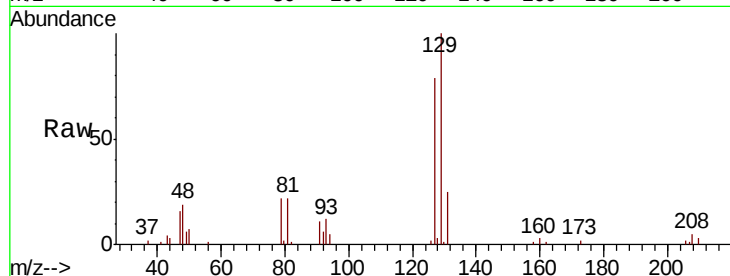
ClientSampled :

Tot Ion:129 Resp: 23844

Ion Ratio Lower Upper

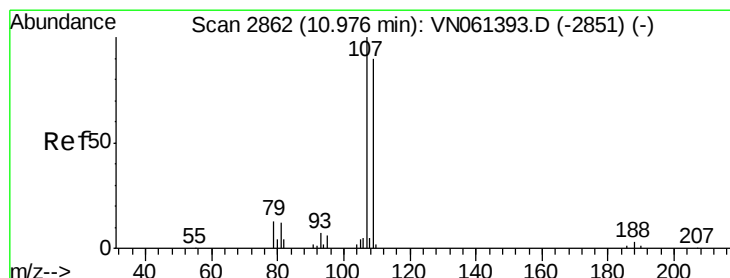
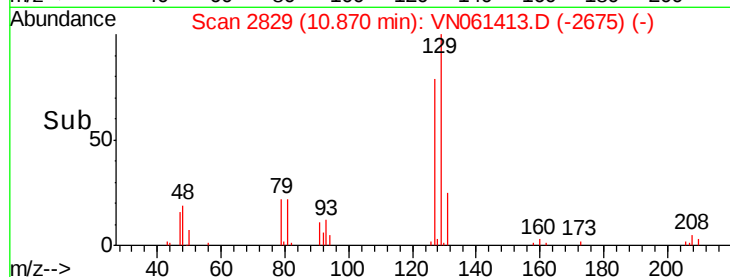
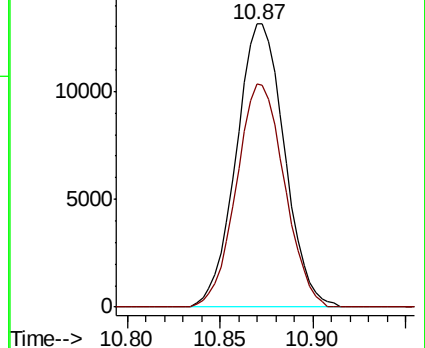
129 100

127 78.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.182 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061413.D

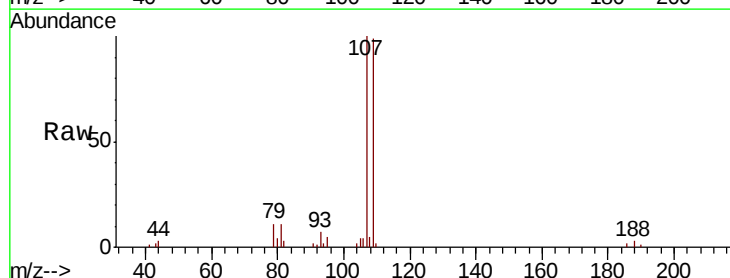
Acq: 15 May 2020 16:48

Tgt Ion:107 Resp: 22763

Ion Ratio Lower Upper

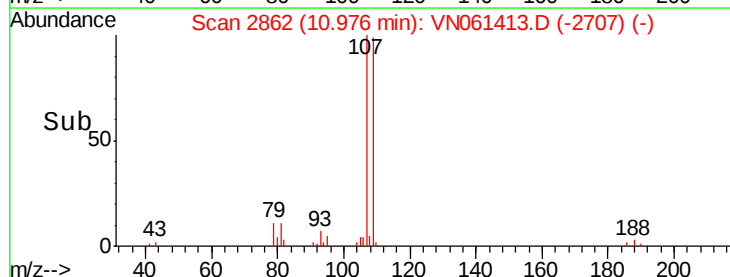
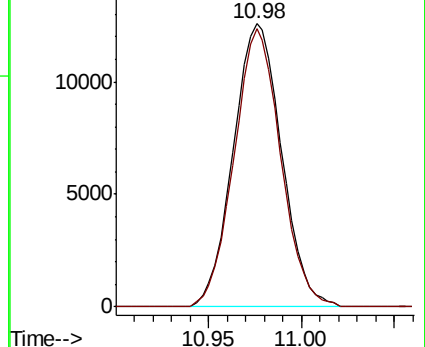
107 100

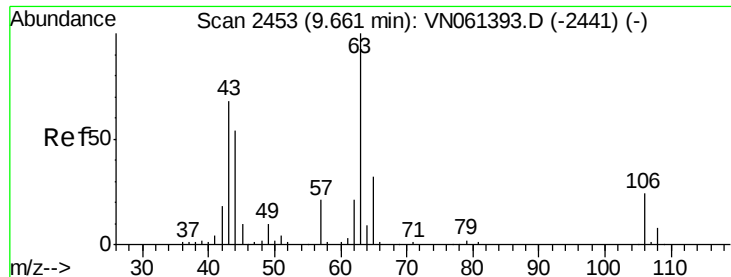
109 94.8 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

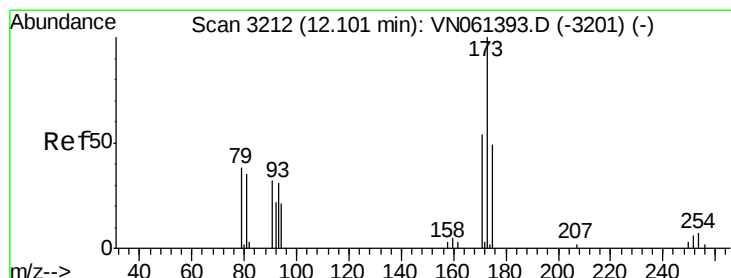
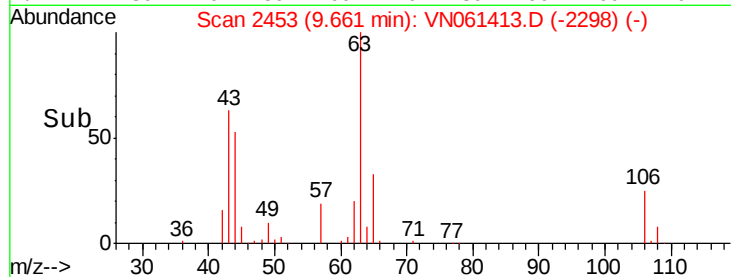
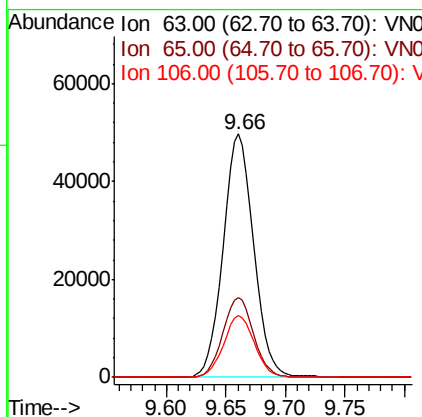
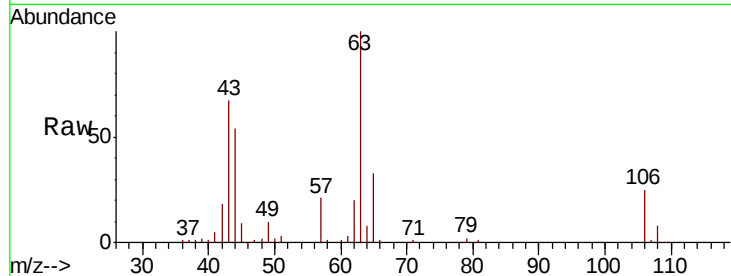




#55
2-Chloroethyl vinyl ether
Concen: 100.857 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

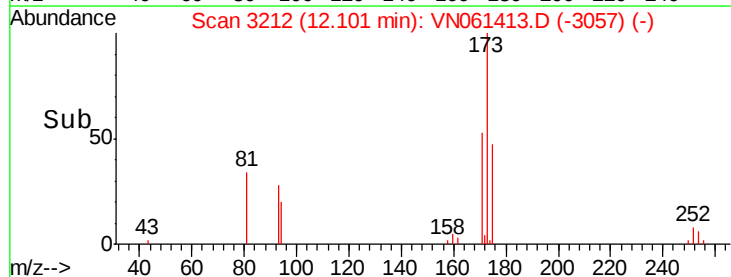
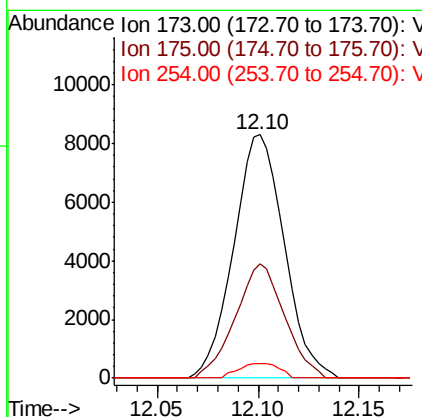
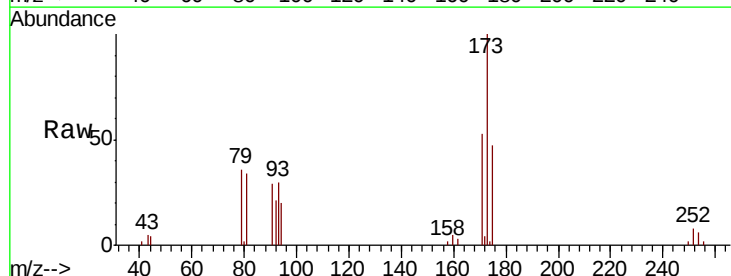
Instrument :
MSVOA_N
ClientSampleId :

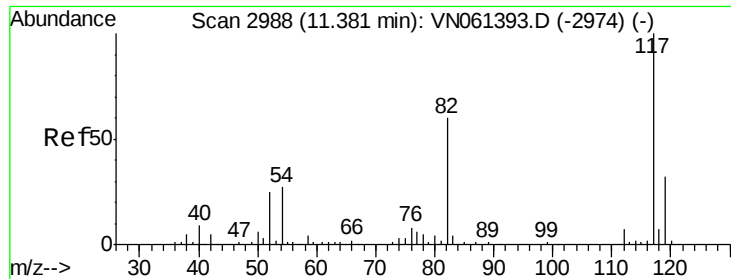
Tot Ion: 63 Resp: 88443
Ion Ratio Lower Upper
63 100
65 32.8 25.3 37.9
106 25.6 19.8 29.6



#56
Bromoform
Concen: 18.382 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 173 Resp: 14568
Ion Ratio Lower Upper
173 100
175 45.5 38.7 58.1
254 4.8 7.4 11.2#

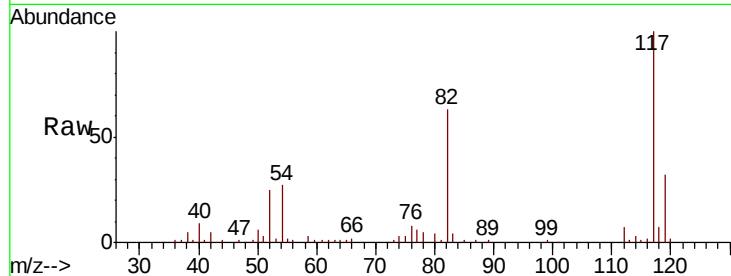




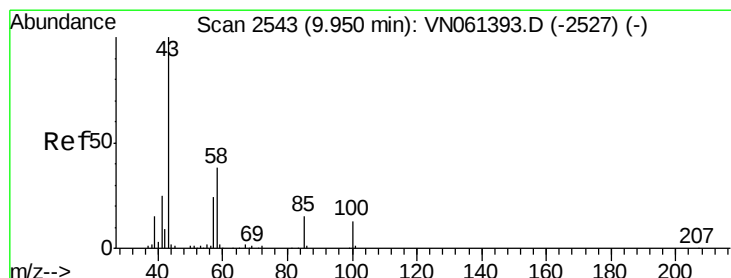
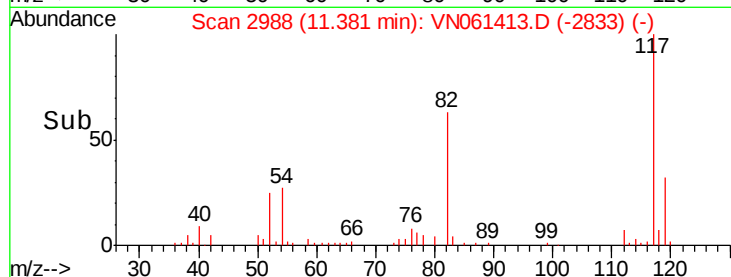
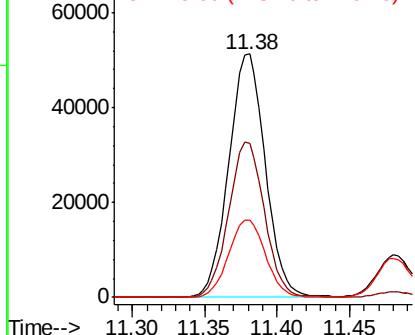
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 89924
Ion Ratio Lower Upper
117 100
82 62.5 46.9 70.3
119 32.0 25.8 38.6

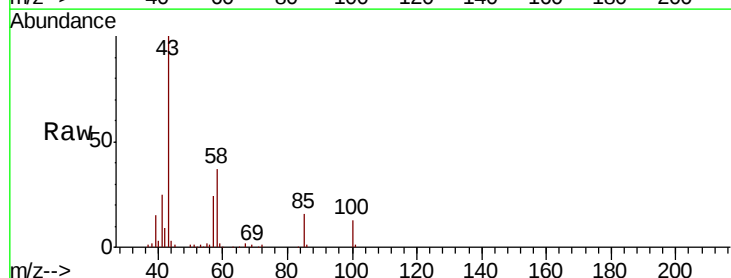


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

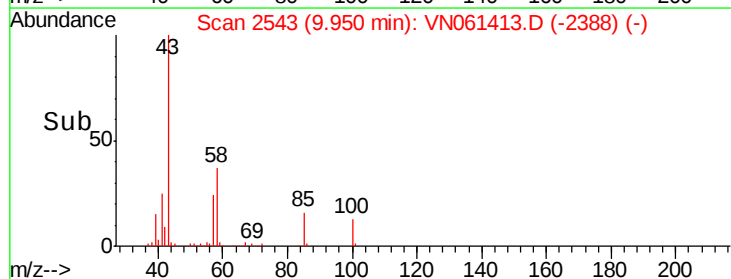
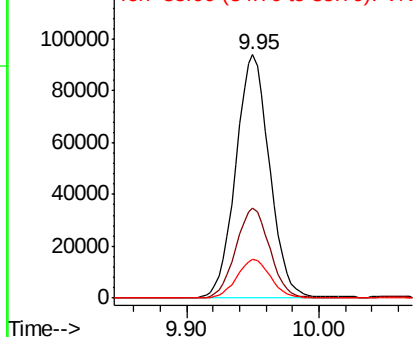


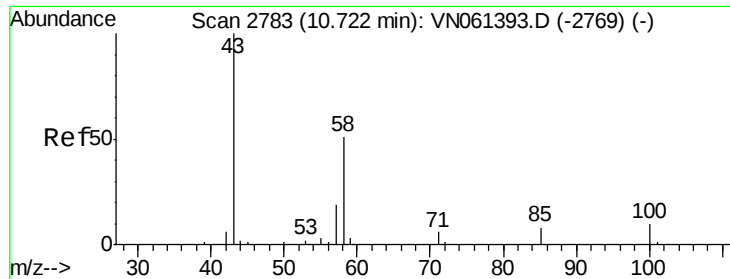
#58
4-Methyl-2-Pentanone
Concen: 101.628 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 43 Resp: 166532
Ion Ratio Lower Upper
43 100
58 37.2 30.1 45.1
85 15.8 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN





#59

2-Hexanone

Concen: 102.260 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

ClientSampled :

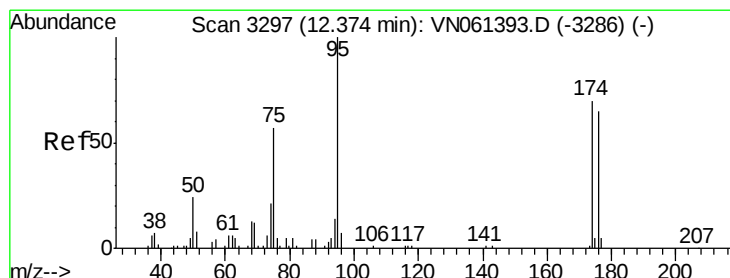
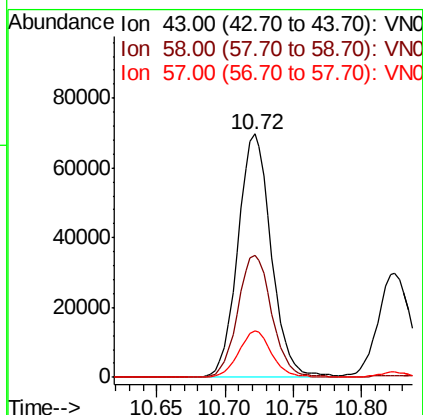
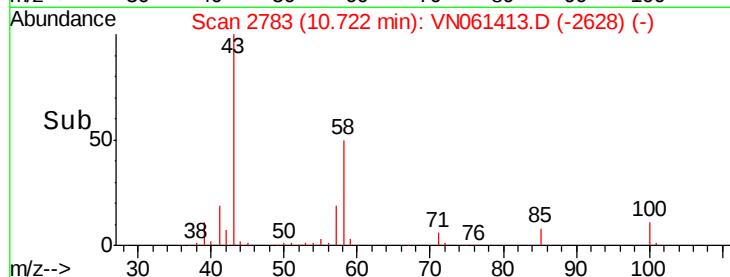
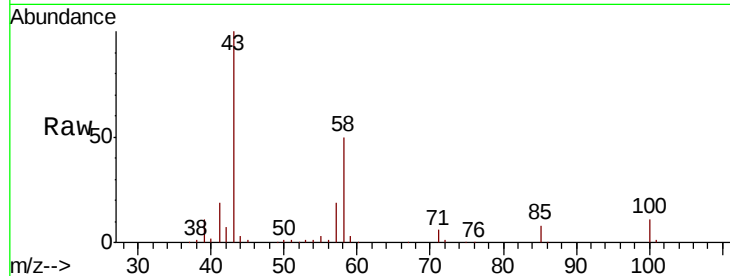
Tot Ion: 43 Resp: 118527

Ion Ratio Lower Upper

43 100

58 51.3 41.4 62.0

57 18.7 14.7 22.1



#60

4-Bromofluorobenzene

Concen: 29.812 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

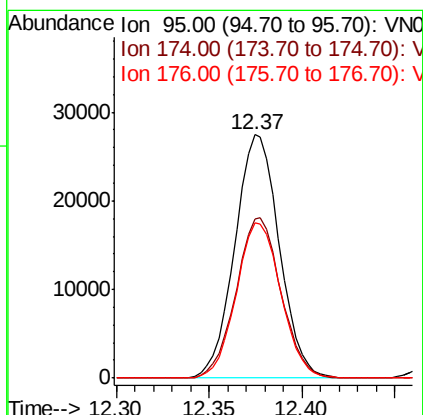
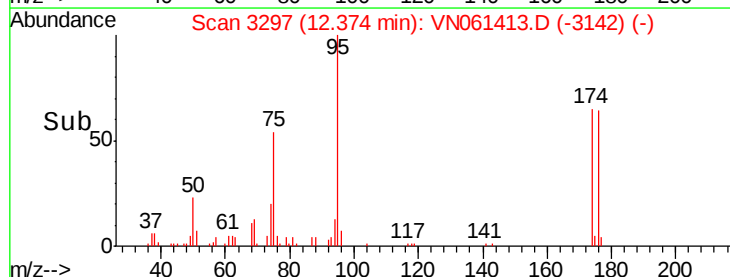
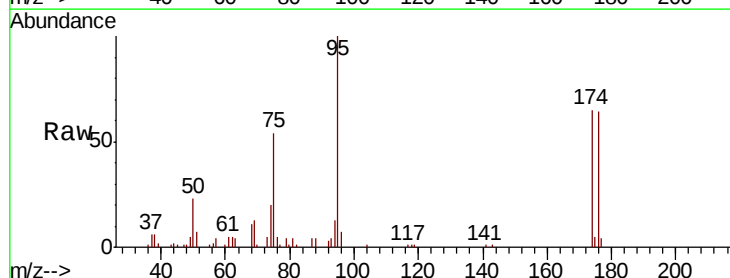
Tgt Ion: 95 Resp: 45768

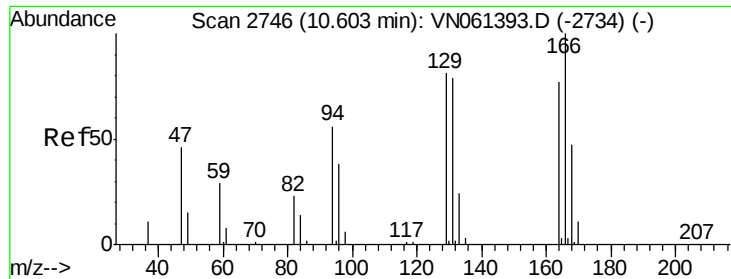
Ion Ratio Lower Upper

95 100

174 66.3 59.9 89.9

176 63.9 58.3 87.5

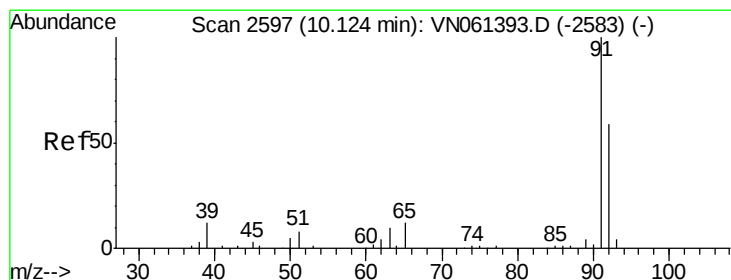
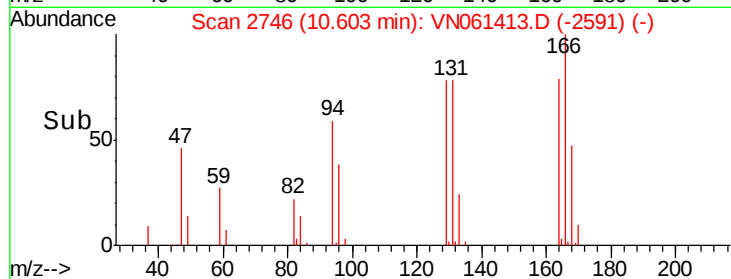
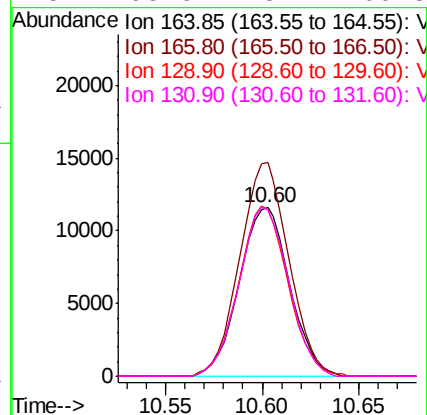
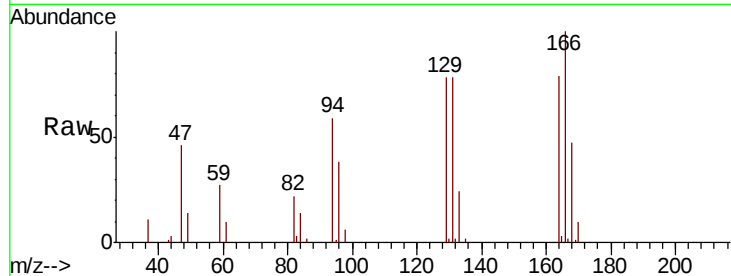




#61
Tetrachloroethene
Concen: 18.737 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

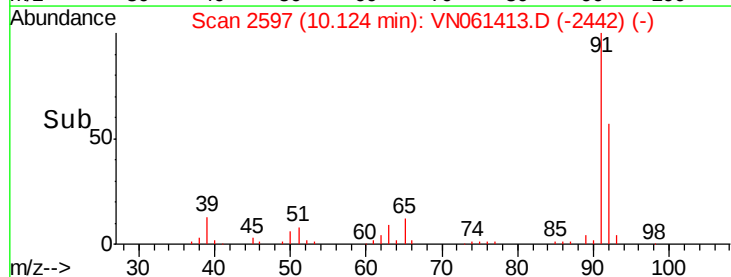
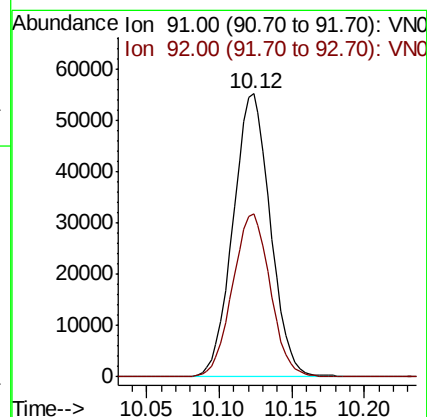
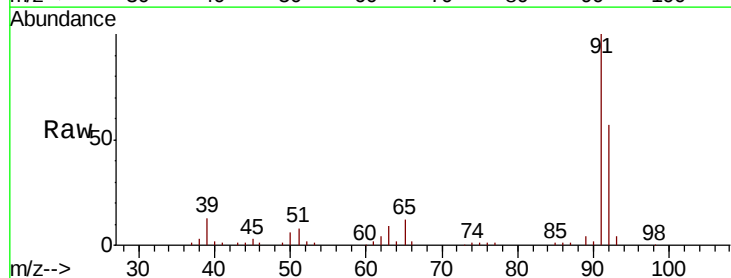
Instrument :
MSVOA_N
ClientSampleId :

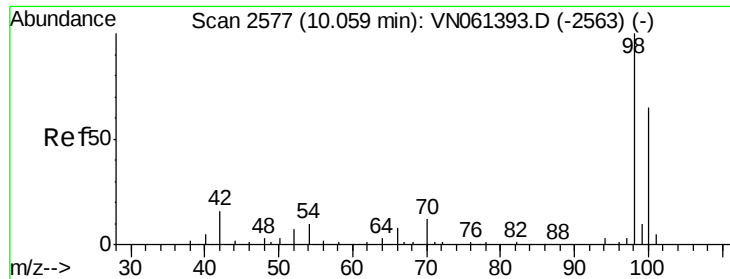
Tot Ion:164 Resp: 21070
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.2
129 99.1 78.1 117.1
131 98.6 73.2 109.8



#62
Toluene
Concen: 18.861 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 91 Resp: 98345
Ion Ratio Lower Upper
91 100
92 58.1 45.4 68.2





#63

Toluene-d8

Concen: 29.987 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

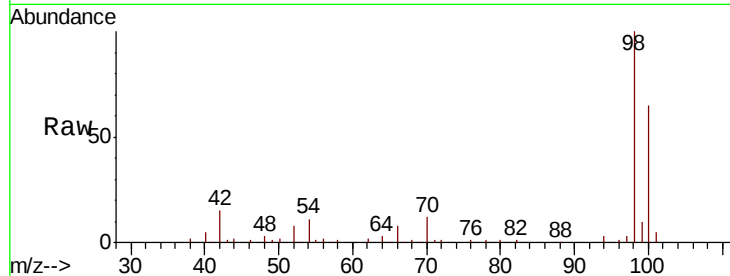
ClientSampleId :

Tot Ion: 98 Resp: 124855

Ion Ratio Lower Upper

98 100

100 65.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061393.D (-2563) (-)

10.06

80000

60000

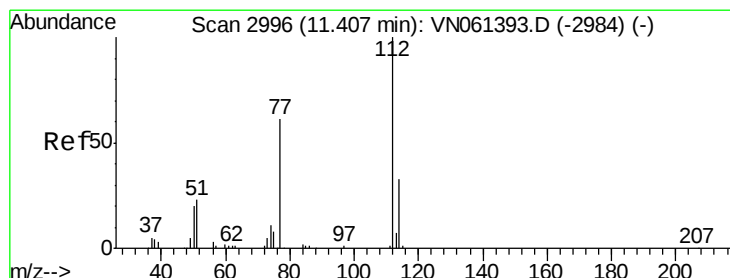
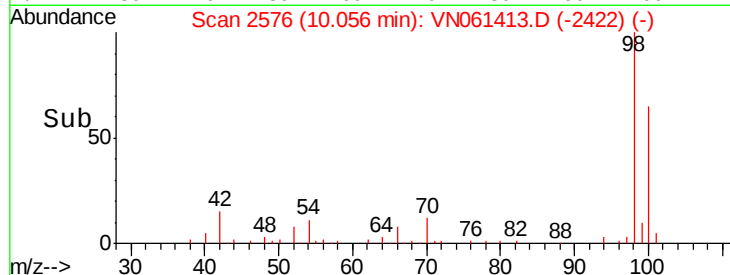
40000

20000

0

10.00 10.05 10.10

Time-->



#64

Chlorobenzene

Concen: 19.226 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061413.D

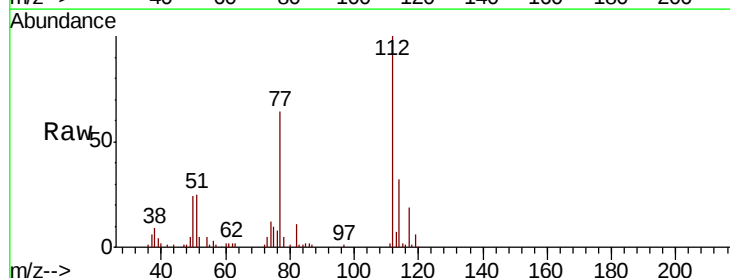
Acq: 15 May 2020 16:48

Tgt Ion: 112 Resp: 59334

Ion Ratio Lower Upper

112 100

114 31.7 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061393.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061393.D (-2984) (-)

11.40

40000

30000

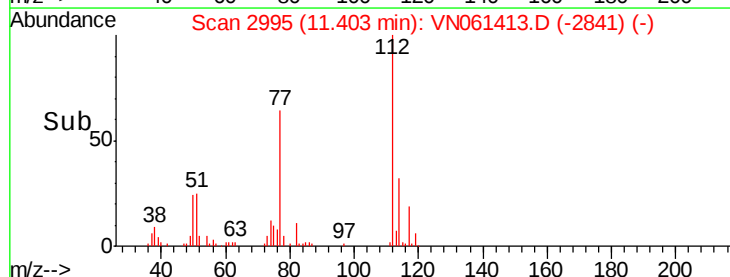
20000

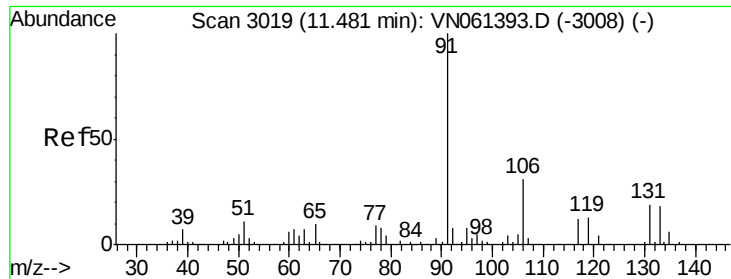
10000

0

11.35 11.40 11.45

Time-->

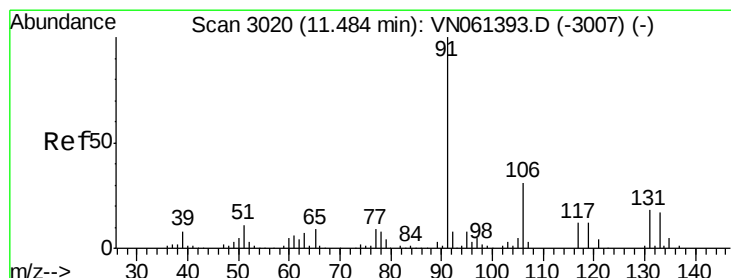
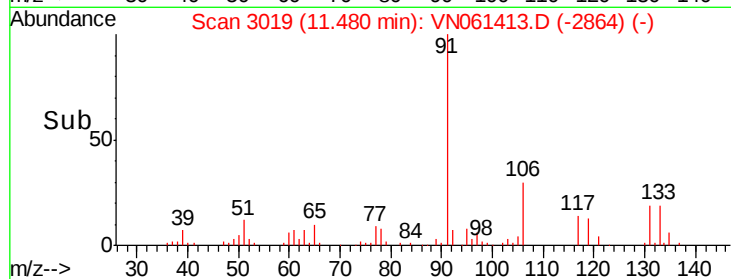
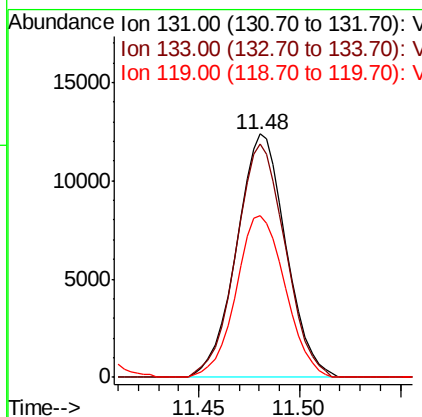
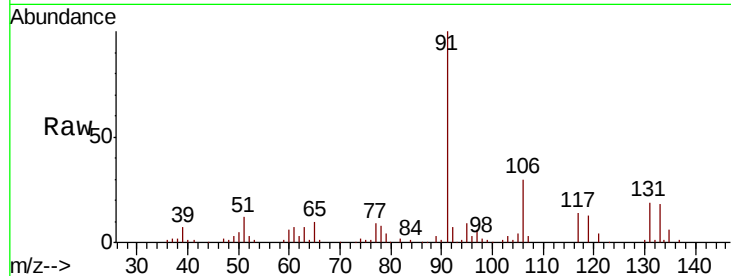




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.781 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

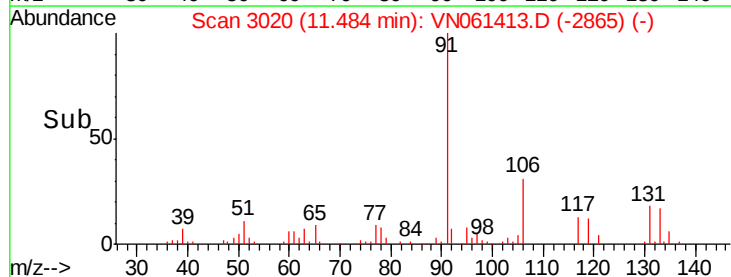
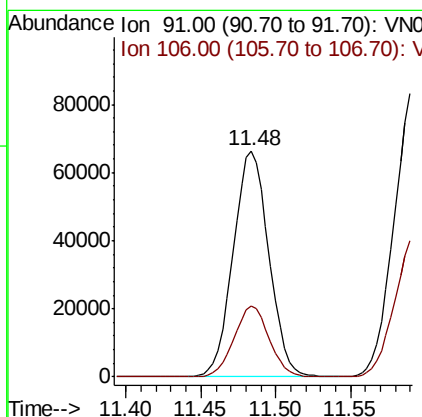
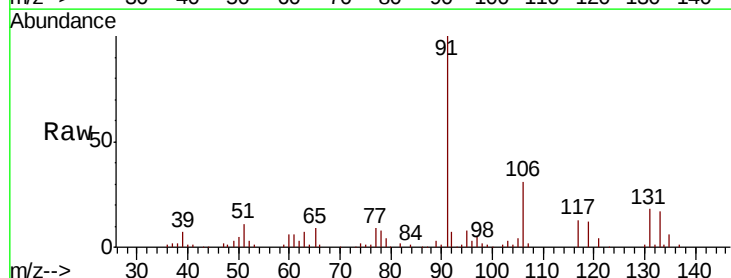
Instrument :
 MSVOA_N
 ClientSampleId :

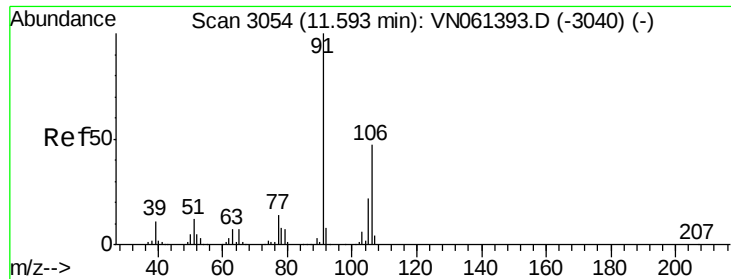
Tot Ion:131 Resp: 21179
 Ion Ratio Lower Upper
 131 100
 133 95.5 0.0 194.0
 119 66.2 0.0 136.8



#66
 Ethyl Benzene
 Concen: 18.358 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 91 Resp: 109854
 Ion Ratio Lower Upper
 91 100
 106 31.2 24.2 36.4





#67

m/p-Xylenes

Concen: 36.926 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

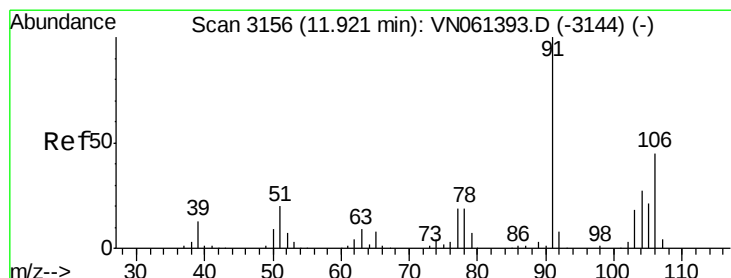
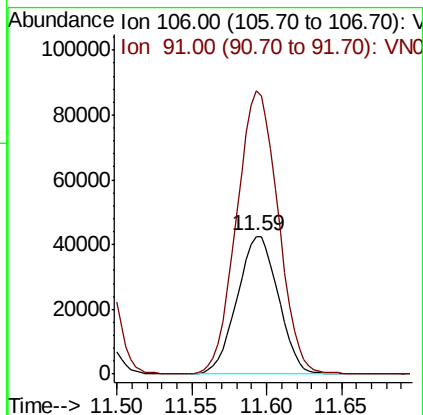
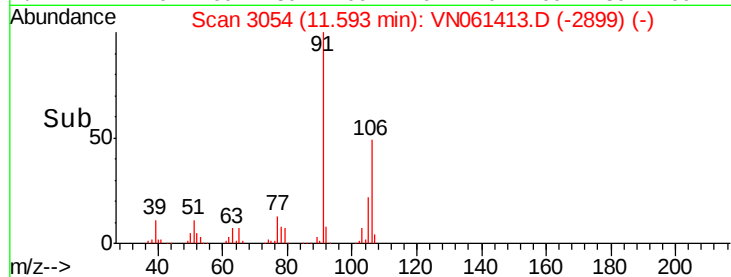
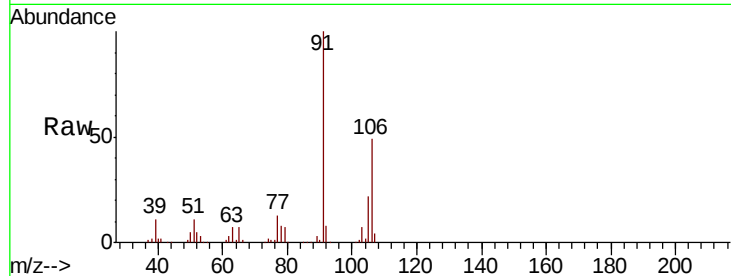
ClientSampled :

Tot Ion:106 Resp: 81595

Ion Ratio Lower Upper

106 100

91 207.8 165.6 248.4



#68

o-Xylene

Concen: 18.518 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061413.D

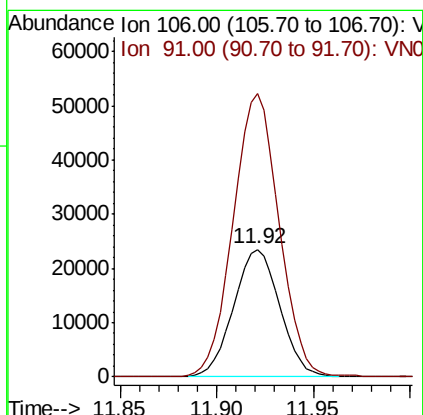
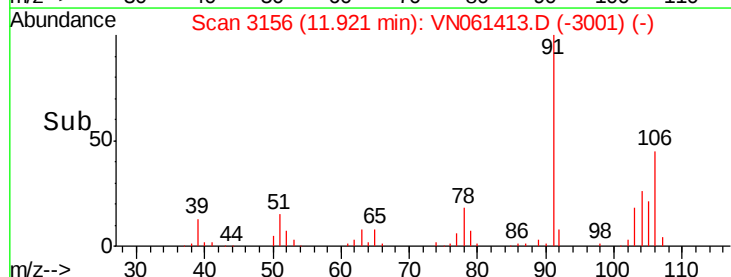
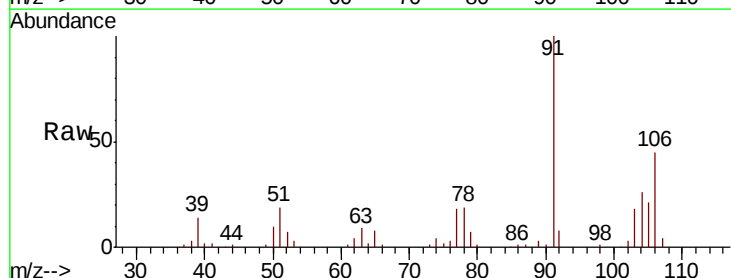
Acq: 15 May 2020 16:48

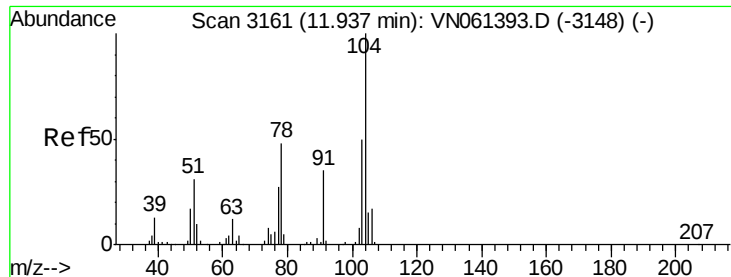
Tgt Ion:106 Resp: 39052

Ion Ratio Lower Upper

106 100

91 220.4 109.8 329.4

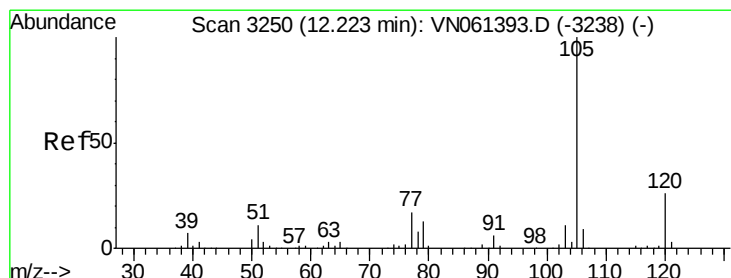
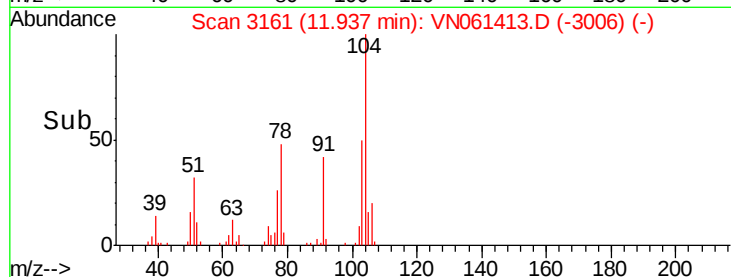
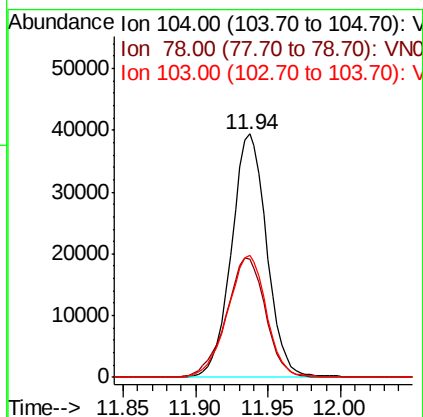
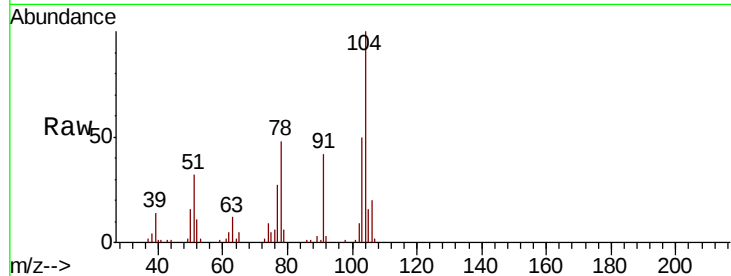




#69
Stvrene
Concen: 18.324 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

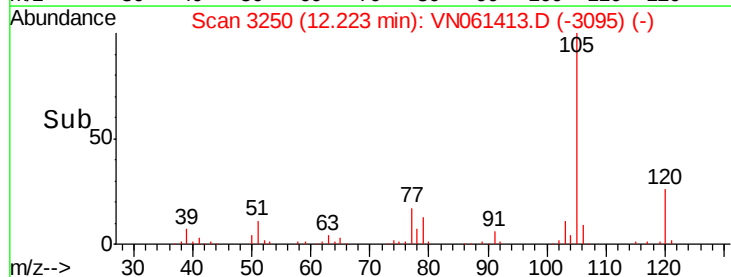
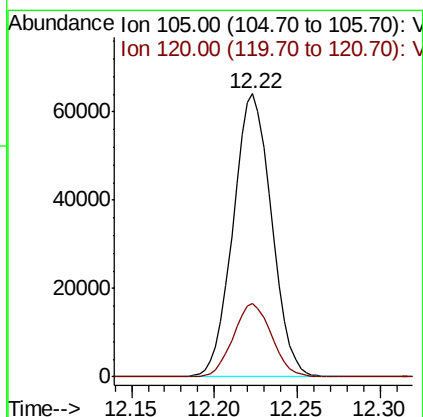
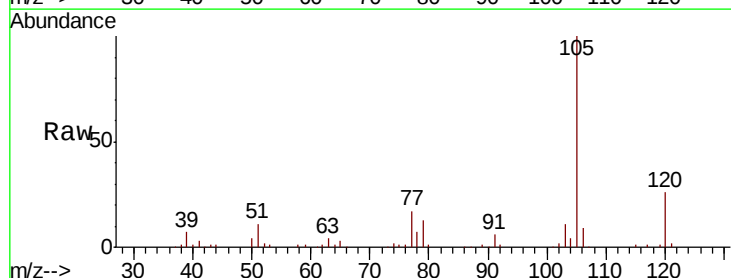
Instrument :
MSVOA_N
ClientSampleId :

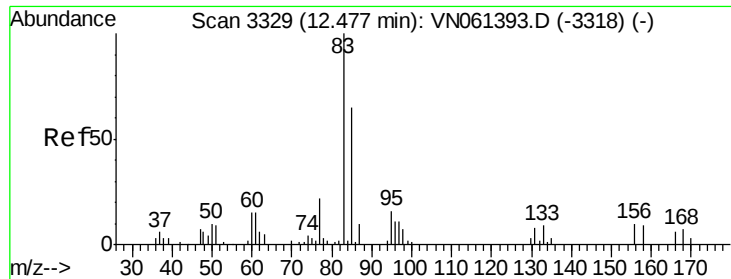
Tot Ion:104 Resp: 66494
Ion Ratio Lower Upper
104 100
78 54.5 42.4 63.6
103 54.8 44.6 66.8



#70
Isopropylbenzene
Concen: 18.059 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion:105 Resp: 103193
Ion Ratio Lower Upper
105 100
120 25.9 18.4 34.2

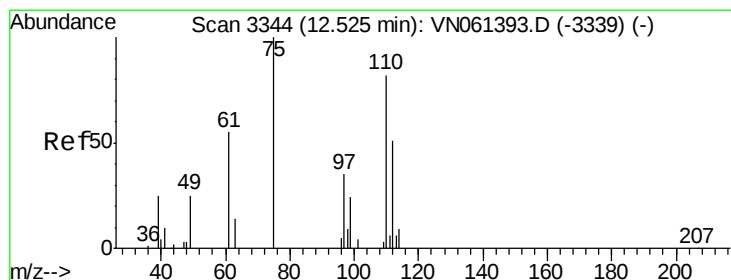
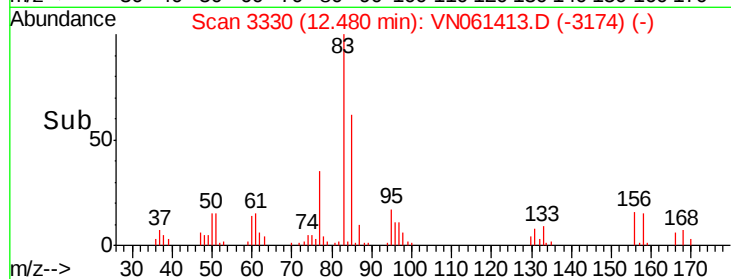
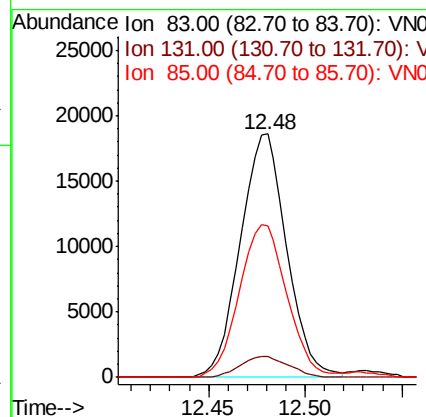
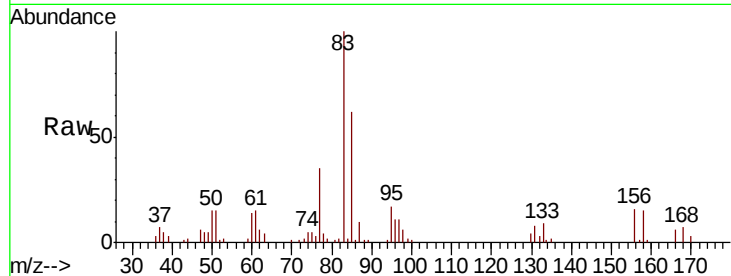




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.700 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

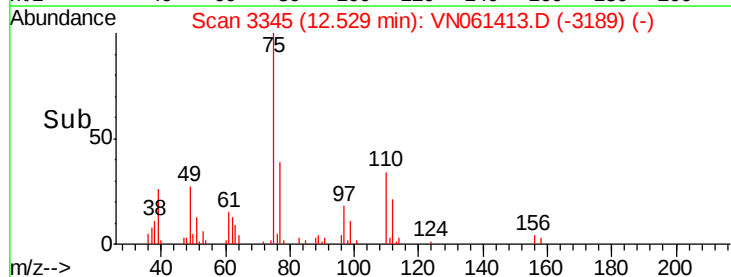
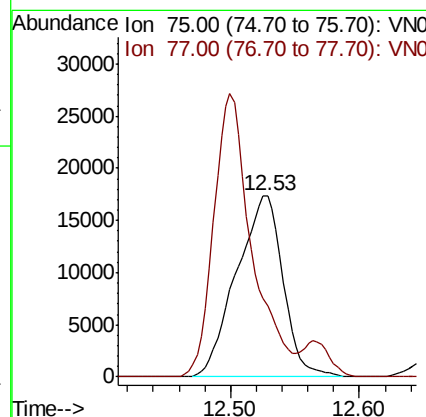
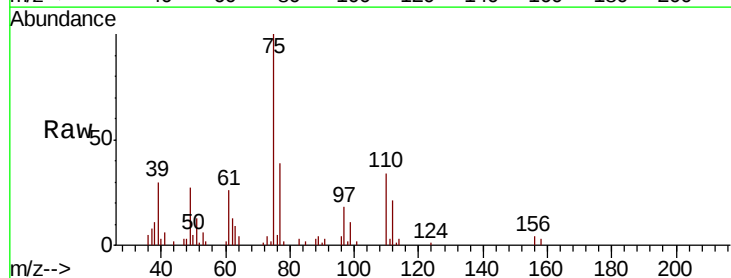
Instrument :
 MSVOA_N
 ClientSampled :

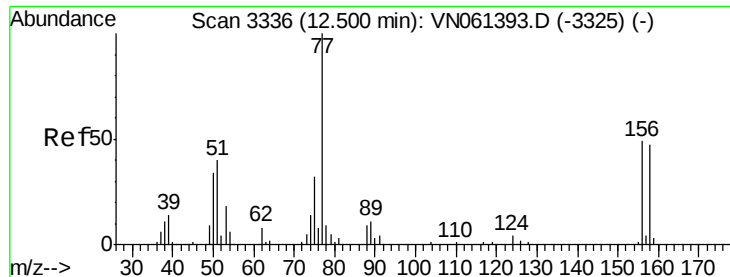
Tot Ion	83	Resp	31097
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.9	14.7
85	64.4	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 28.997 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion	75	Resp	43657
Ion Ratio	100	Lower	Upper
75	100		
77	127.9	0.0	359.4





#73

Bromobenzene

Concen: 18.247 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

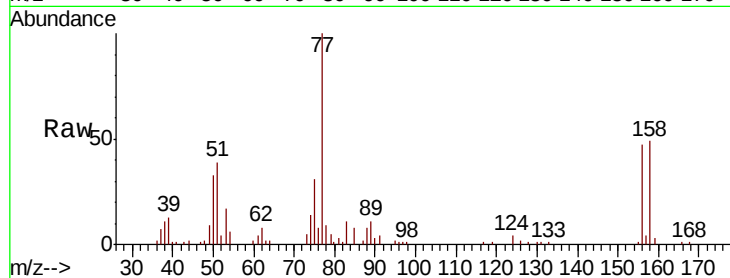
Tot Ion:156 Resp: 21657

Ion Ratio Lower Upper

156 100

77 257.8 0.0 456.0

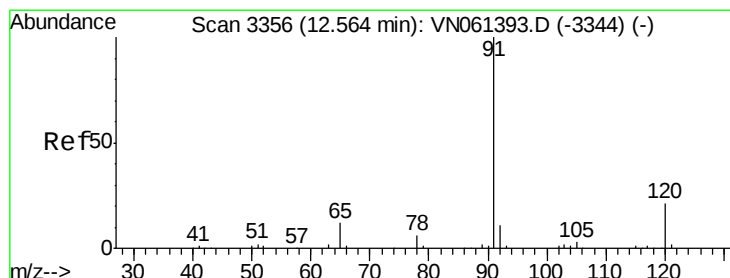
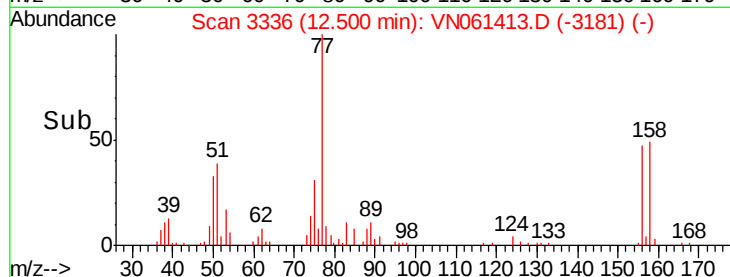
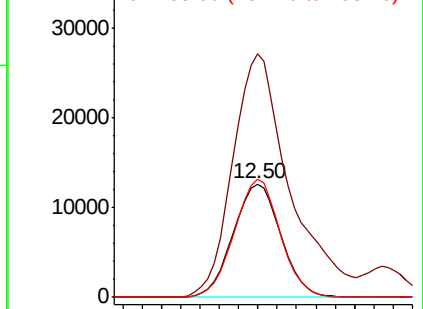
158 100.5 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.969 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061413.D

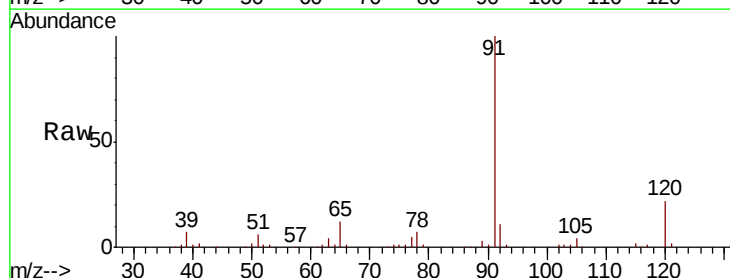
Acq: 15 May 2020 16:48

Tgt Ion: 91 Resp: 122080

Ion Ratio Lower Upper

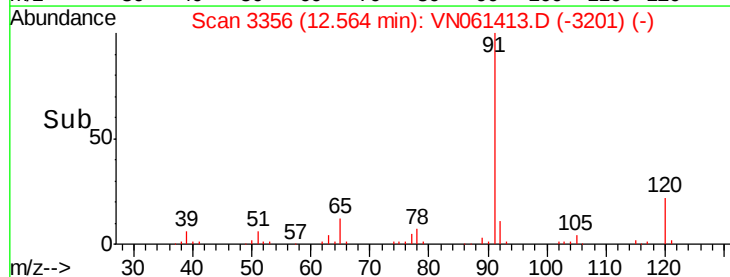
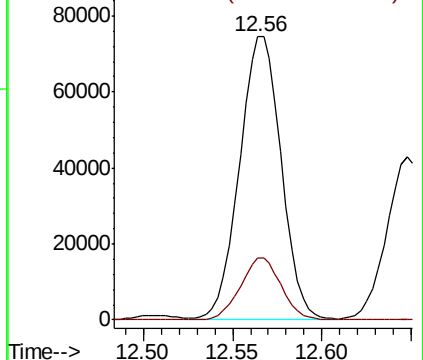
91 100

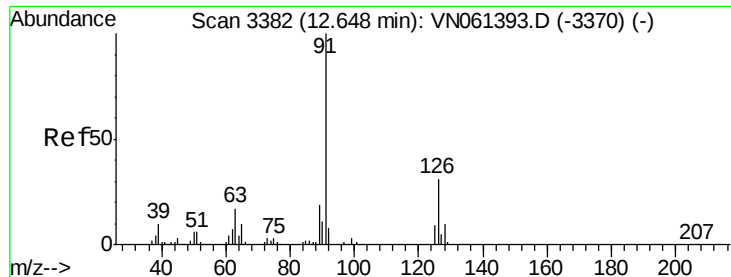
120 21.2 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

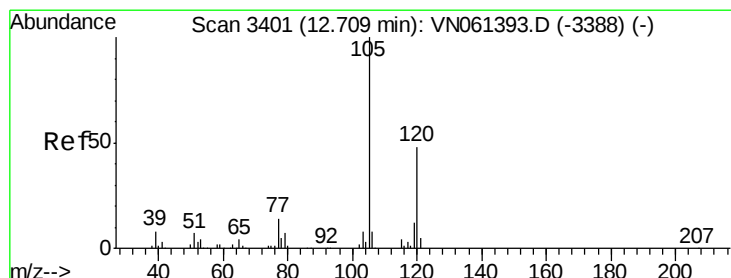
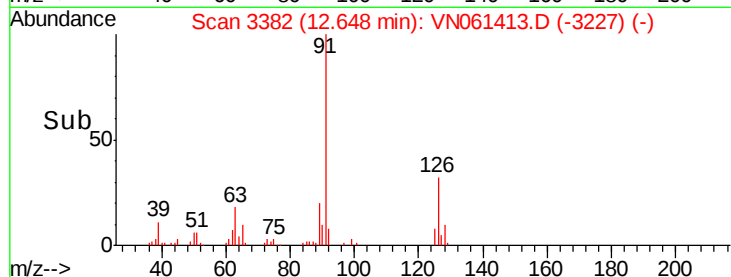
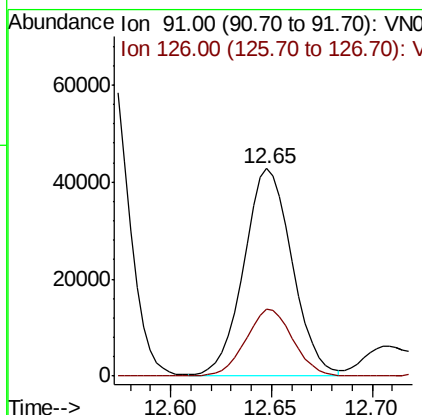
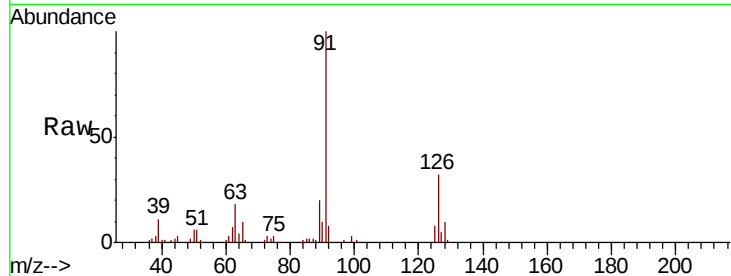




#75
 2-Chlorotoluene
 Concen: 18.445 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

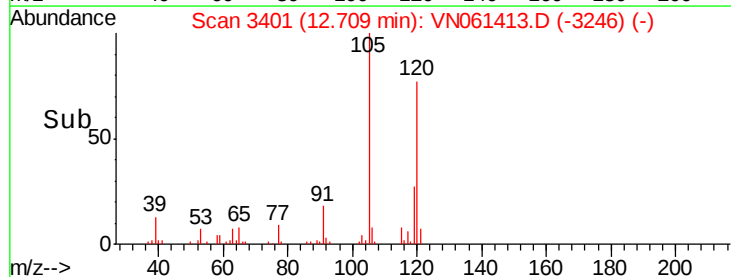
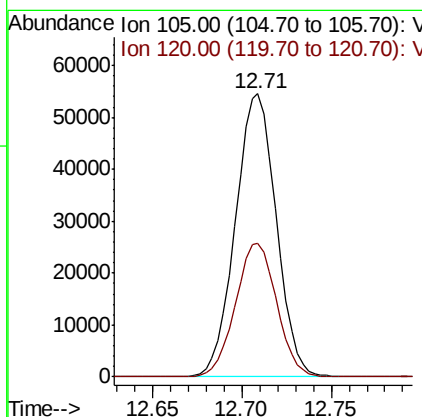
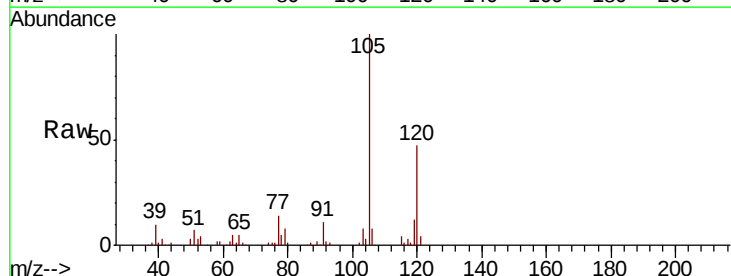
Instrument :
 MSVOA_N
 ClientSampled :

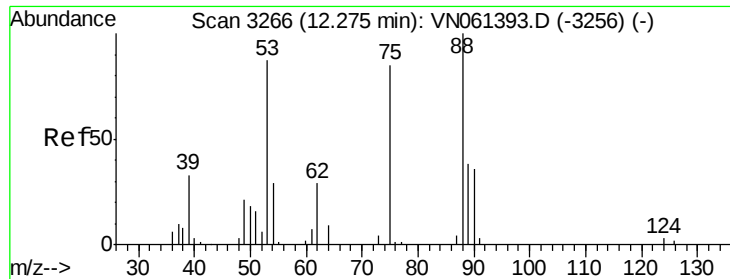
Tot Ion: 91 Resp: 71860
 Ion Ratio Lower Upper
 91 100
 126 31.3 0.0 65.4



#76
 1,3,5-Trimethylbenzene
 Concen: 18.126 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 105 Resp: 86916
 Ion Ratio Lower Upper
 105 100
 120 47.5 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.399 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061413.D

Acq: 15 May 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

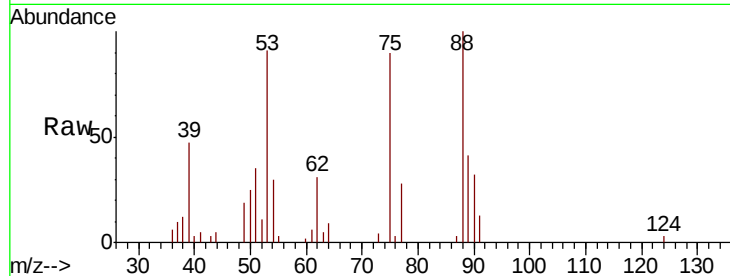
Tot Ion: 75 Resp: 11529

Ion Ratio Lower Upper

75 100

53 99.1 50.0 150.0

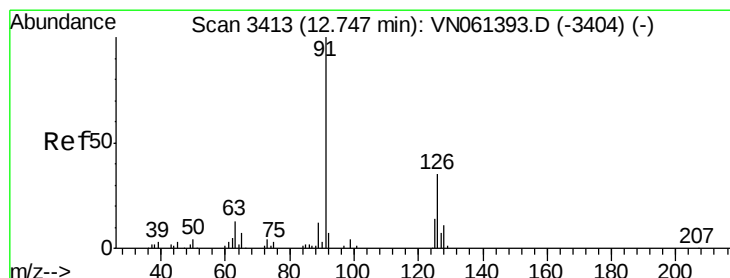
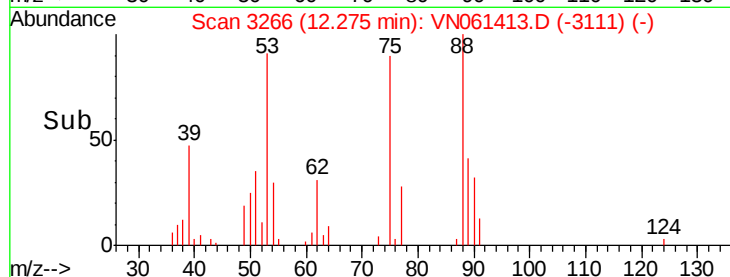
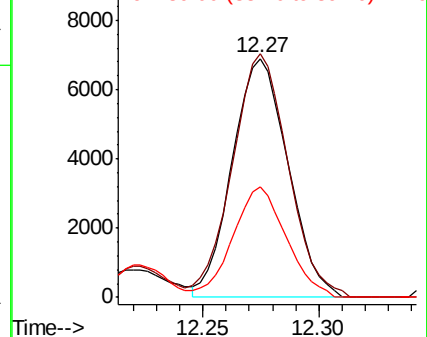
89 46.1 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN061413.D (-3111) (-)

Ion 53.00 (52.70 to 53.70): VN061413.D (-3111) (-)

Ion 89.00 (88.70 to 89.70): VN061413.D (-3111) (-)



#78

4-Chlorotoluene

Concen: 18.216 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061413.D

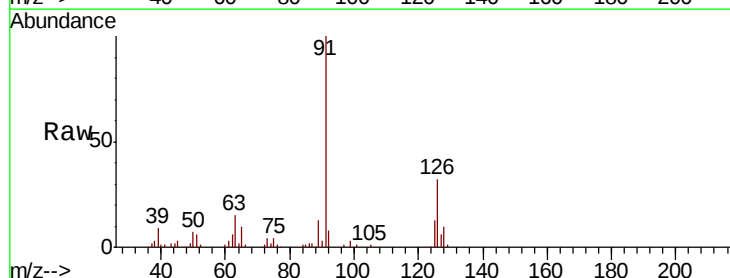
Acq: 15 May 2020 16:48

Tgt Ion: 91 Resp: 74316

Ion Ratio Lower Upper

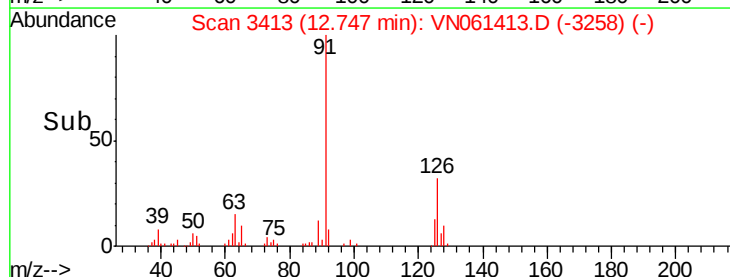
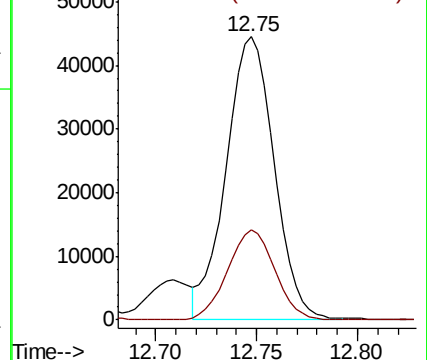
91 100

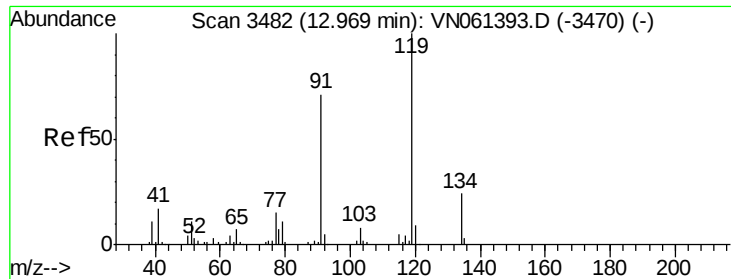
126 31.2 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN061413.D (-3258) (-)

Ion 126.00 (125.70 to 126.70): VN061413.D (-3258) (-)

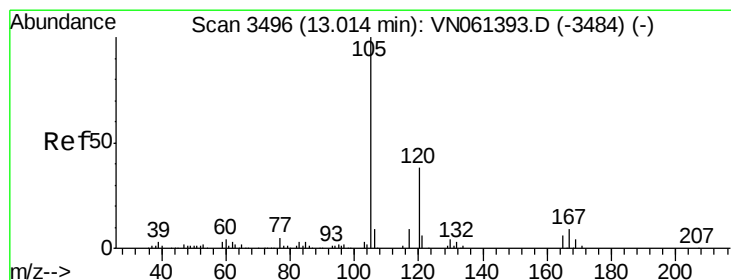
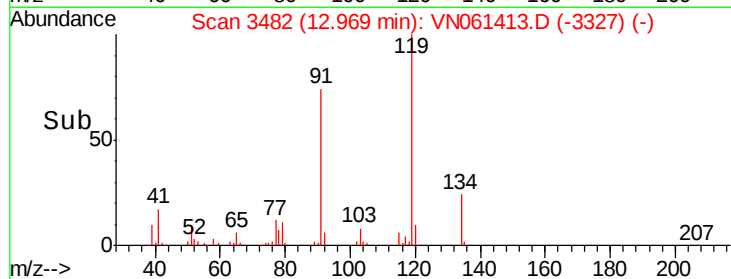
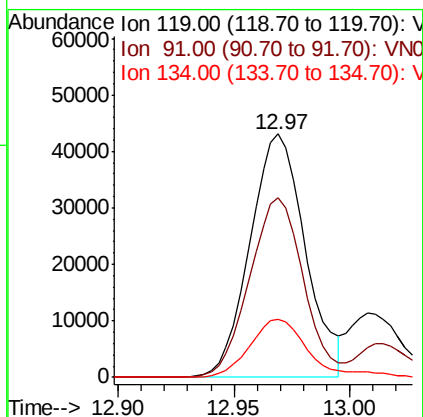
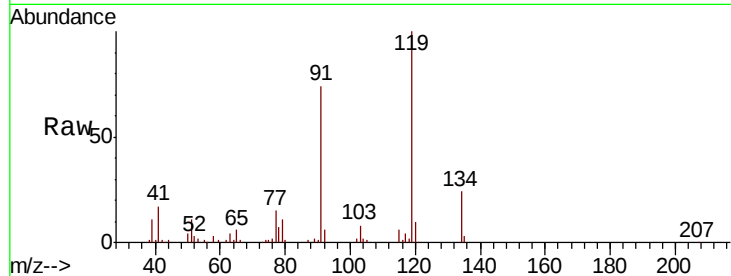




#79
tert-butylbenzene
Concen: 17.989 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

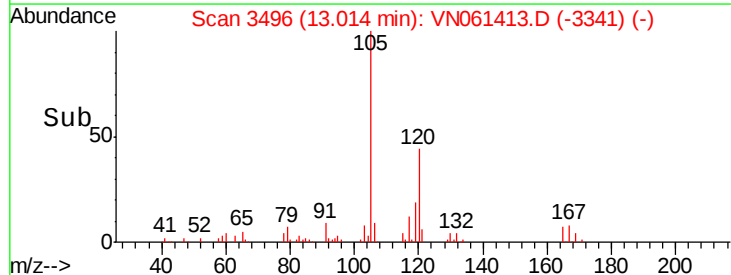
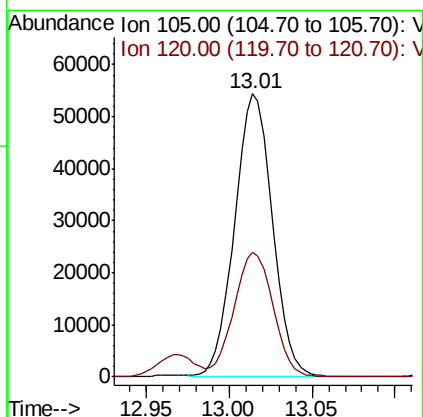
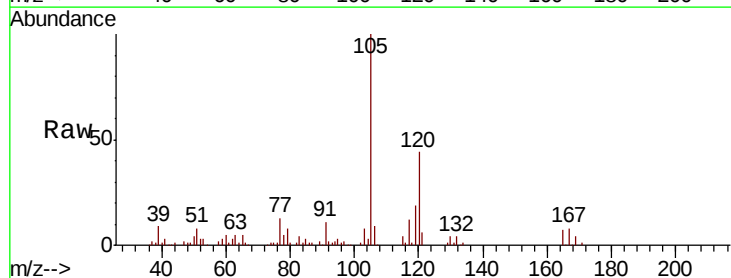
Instrument :
MSVOA_N
ClientSampleId :

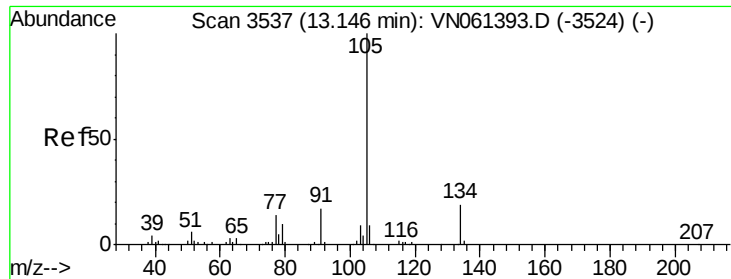
Tot Ion:119 Resp: 71656
Ion Ratio Lower Upper
119 100
91 72.1 0.0 136.4
134 25.5 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 18.060 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion:105 Resp: 86440
Ion Ratio Lower Upper
105 100
120 45.6 0.0 89.2

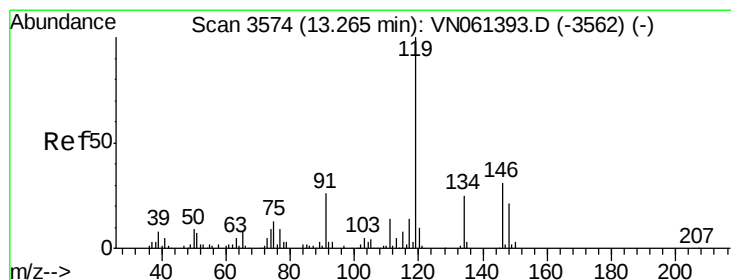
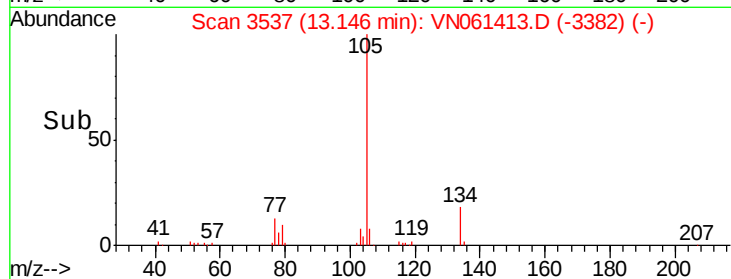
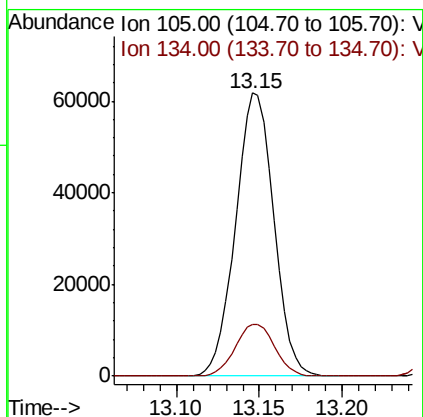
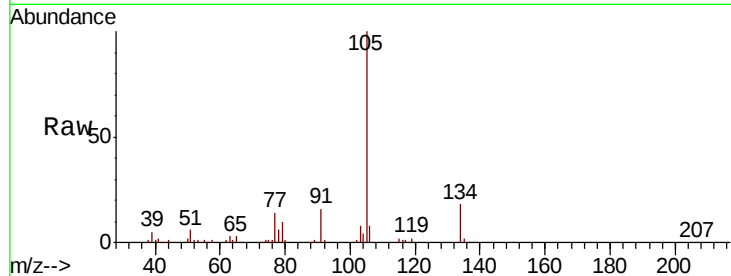




#81
 sec-Butylbenzene
 Concen: 18.034 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

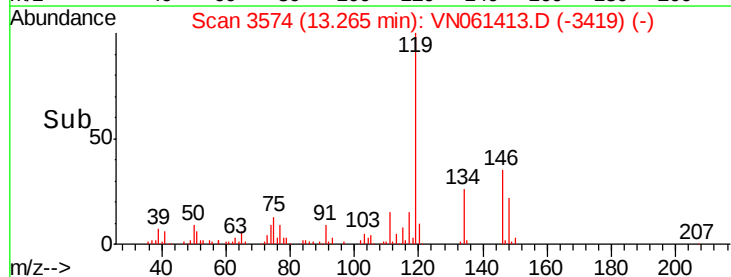
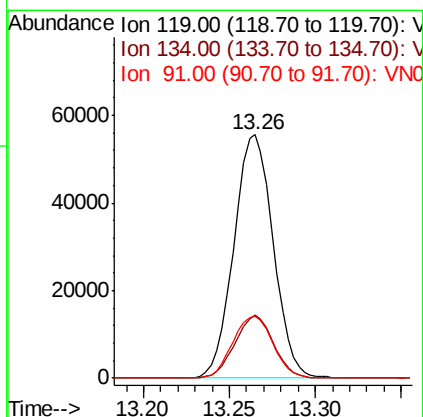
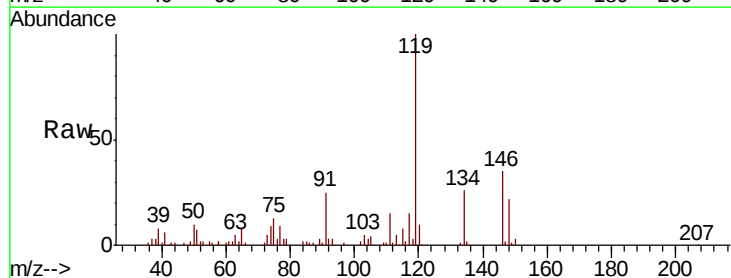
Instrument :
 MSVOA_N
 ClientSampleId :

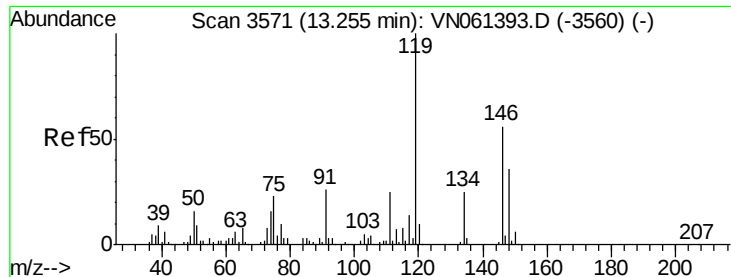
Tot Ion:105 Resp: 98962
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 17.823 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion:119 Resp: 88070
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 50.8
 91 25.9 0.0 49.4

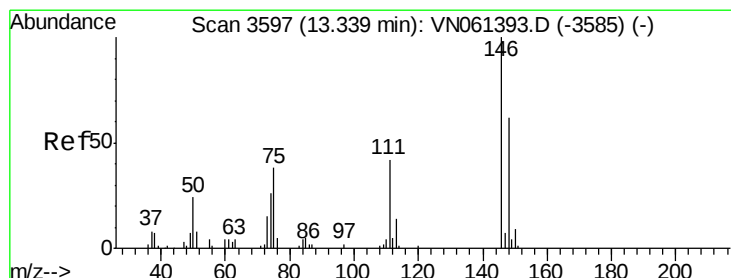
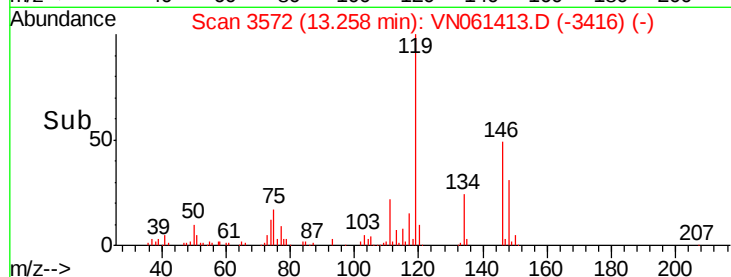
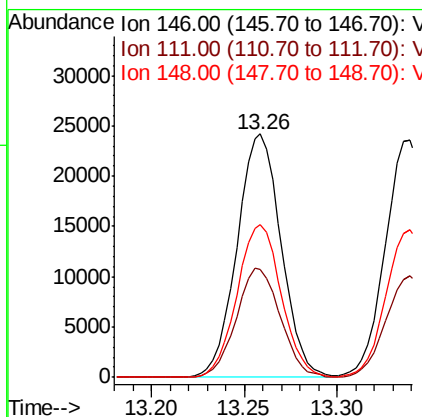
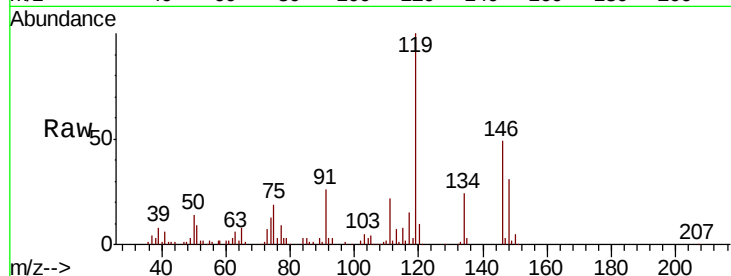




#83
 1,3-Dichlorobenzene
 Concen: 18.134 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

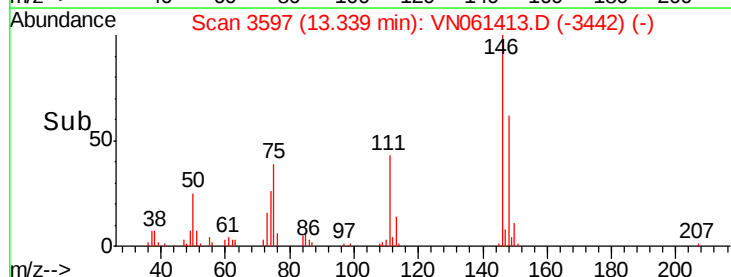
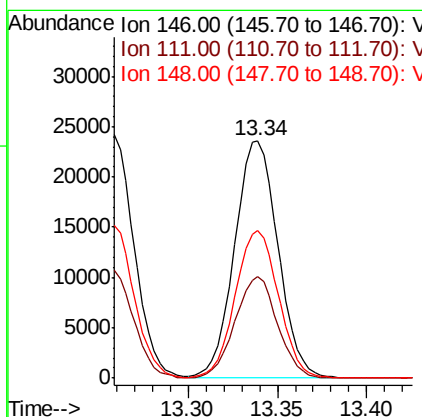
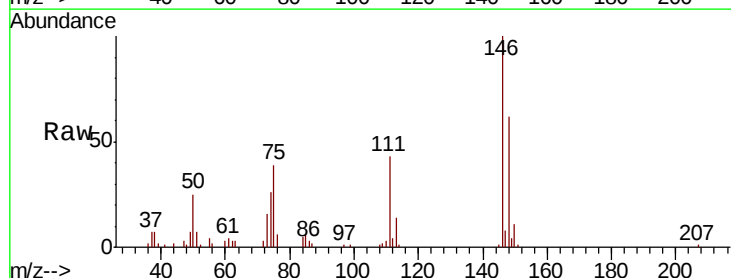
Instrument :
 MSVOA_N
 ClientSampled :

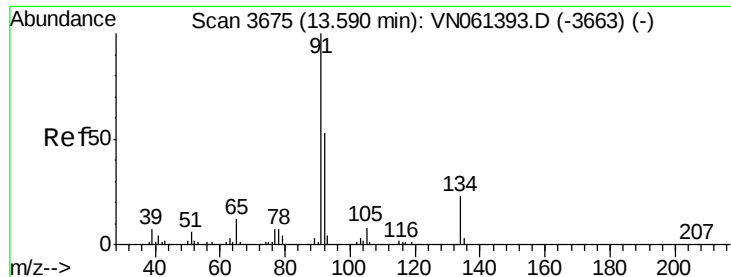
Tot Ion:146 Resp: 40001
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.0 63.0
 148 62.7 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.397 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion:146 Resp: 40162
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.8 59.4
 148 61.9 31.6 94.8

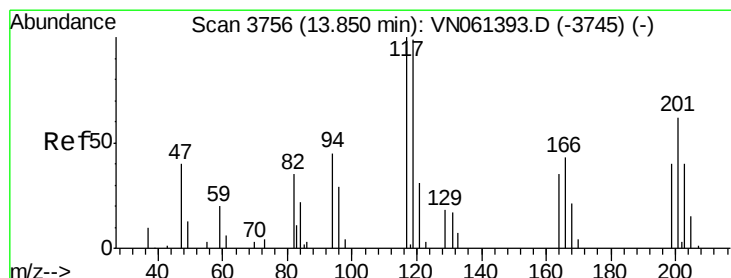
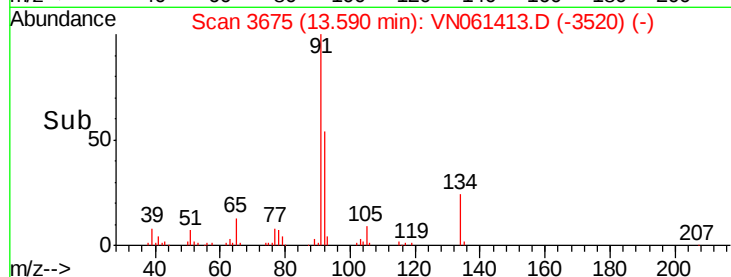
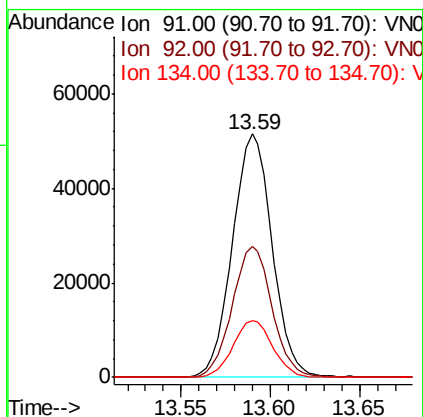
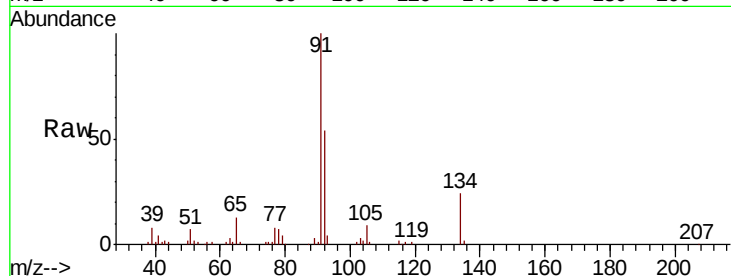




#85
n-Butylbenzene
Concen: 17.490 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

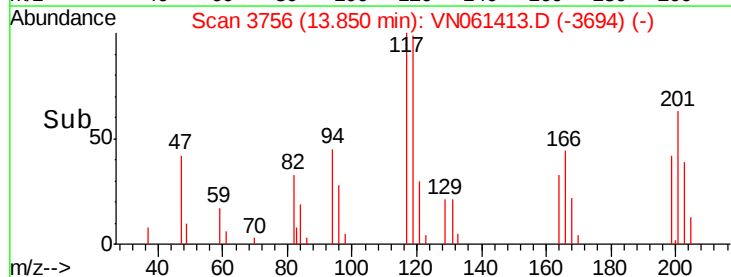
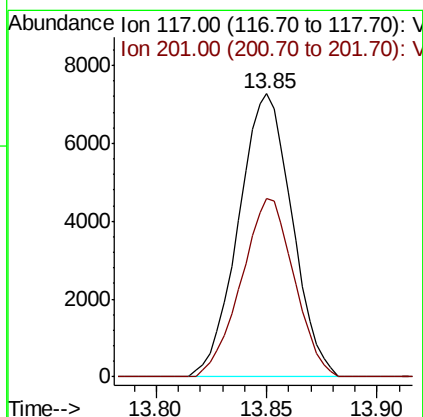
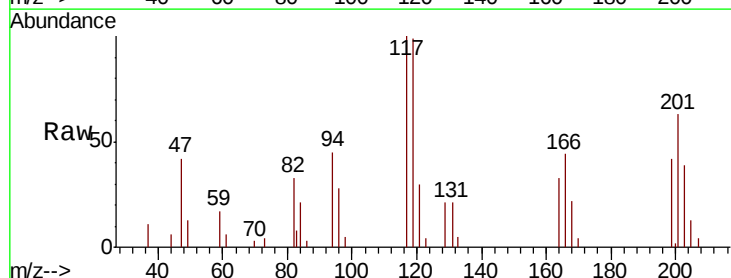
Instrument :
MSVOA_N
ClientSampleId :

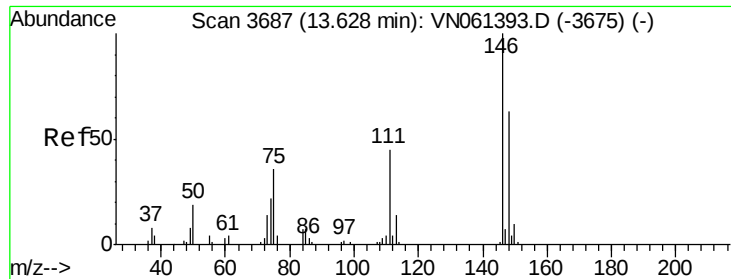
Tot Ion: 91 Resp: 80011
Ion Ratio Lower Upper
91 100
92 53.9 0.0 102.8
134 23.4 0.0 48.6



#86
Hexachloroethane
Concen: 17.745 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion: 117 Resp: 12223
Ion Ratio Lower Upper
117 100
201 62.0 38.7 116.1

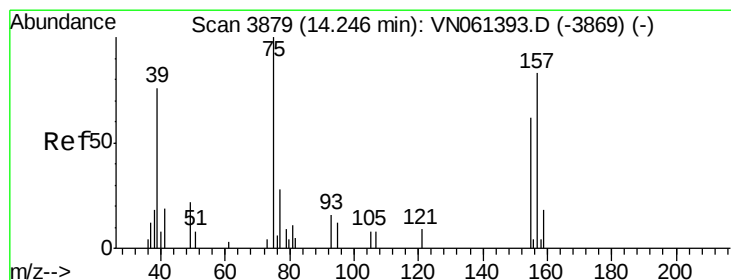
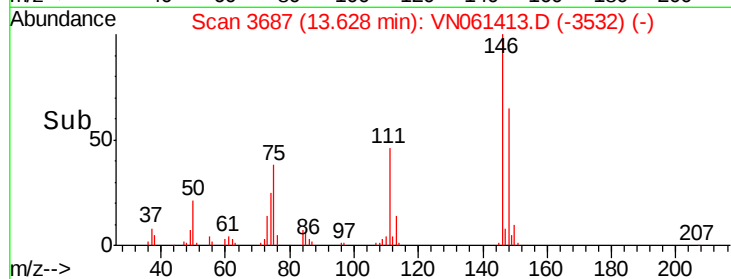
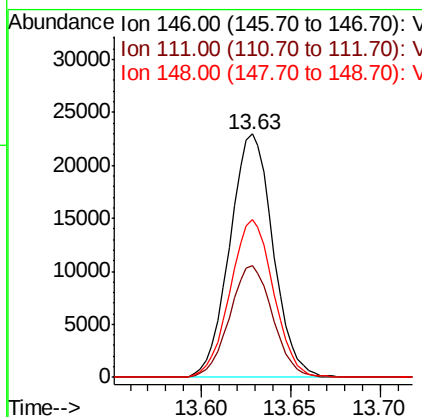
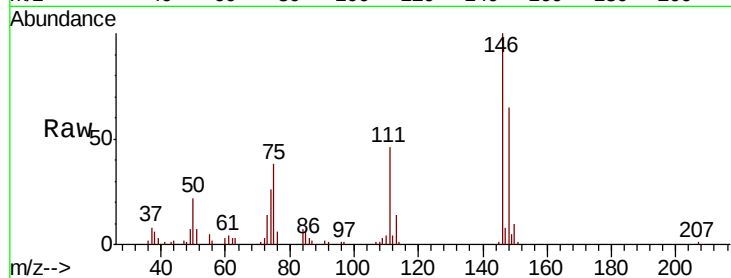




#87
 1,2-Dichlorobenzene
 Concen: 18.525 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

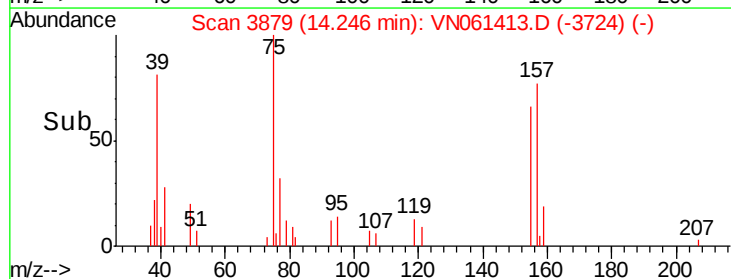
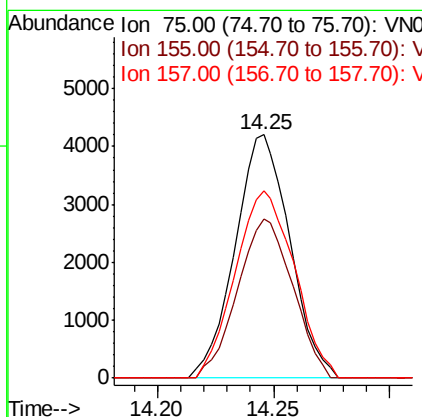
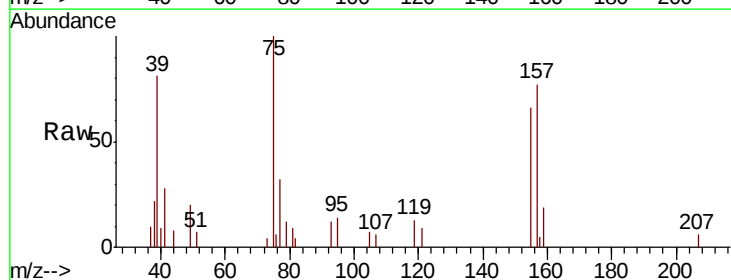
Instrument :
 MSVOA_N
 ClientSampled :

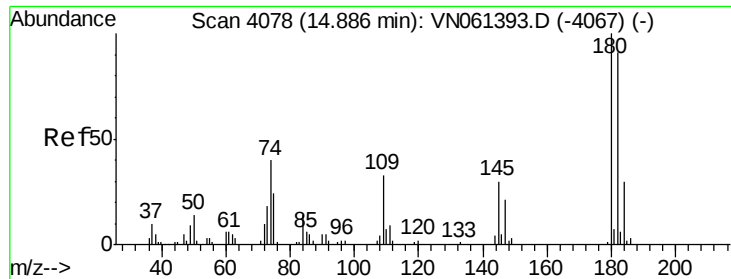
Tot Ion:146 Resp: 38762
 Ion Ratio Lower Upper
 146 100
 111 45.6 21.8 65.4
 148 65.2 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.479 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion: 75 Resp: 6890
 Ion Ratio Lower Upper
 75 100
 155 65.9 58.3 87.5
 157 82.7 75.0 112.6

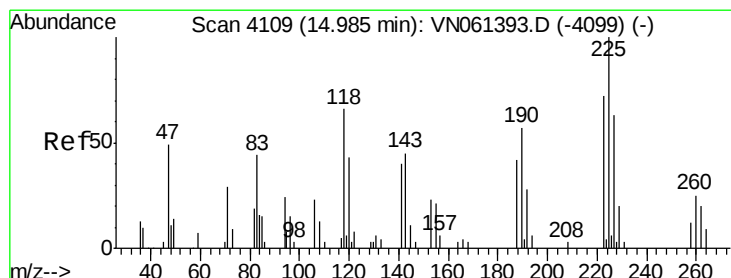
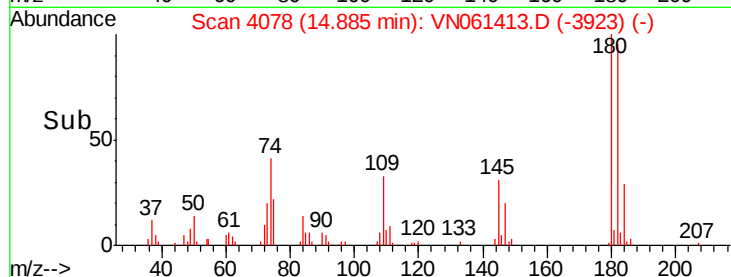
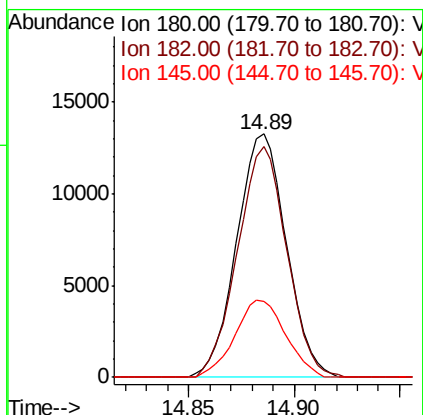
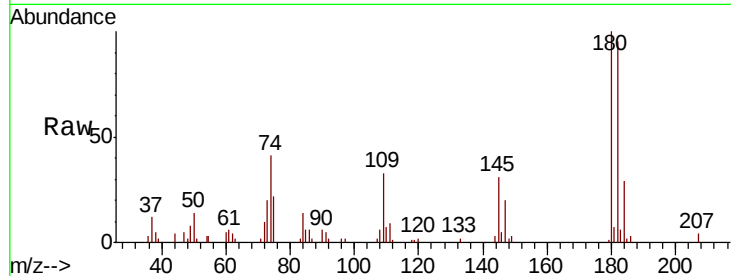




#89
 1,2,4-Trichlorobenzene
 Concen: 18.102 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

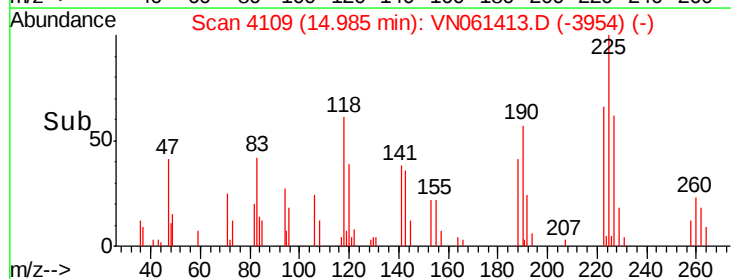
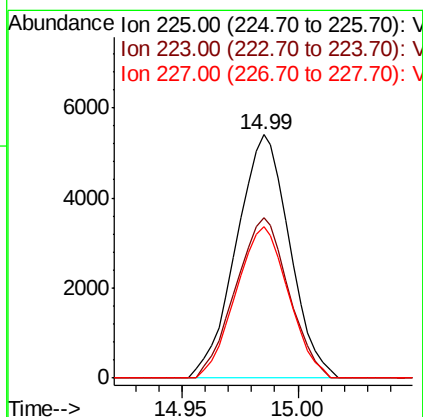
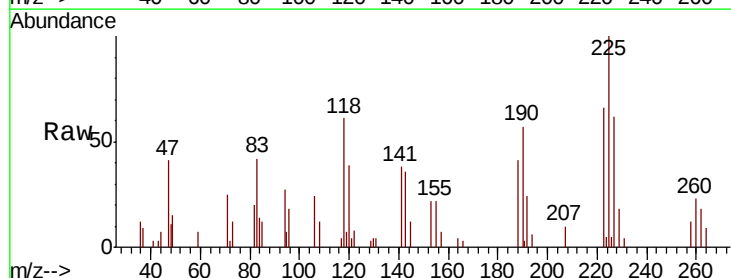
Instrument :
 MSVOA_N
 ClientSampleId :

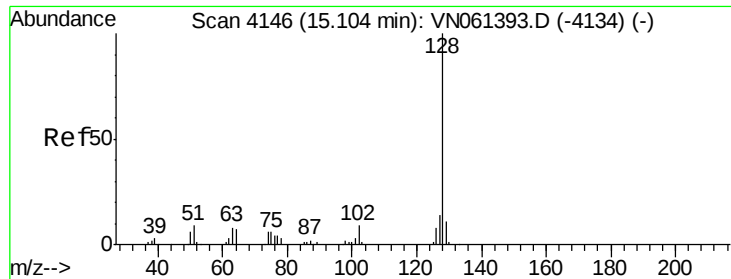
Tot Ion:180 Resp: 21761
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.3 112.9
 145 32.3 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 17.596 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061413.D
 Acq: 15 May 2020 16:48

Tgt Ion:225 Resp: 8617
 Ion Ratio Lower Upper
 225 100
 223 65.6 0.0 126.2
 227 61.3 0.0 127.0

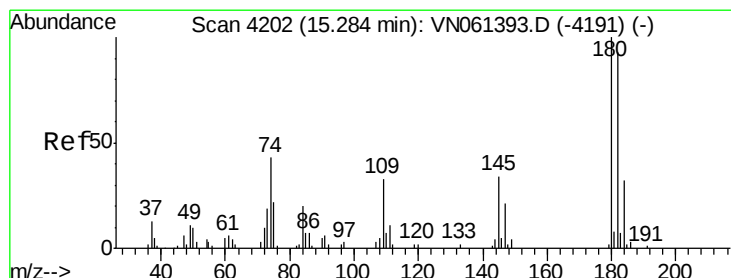
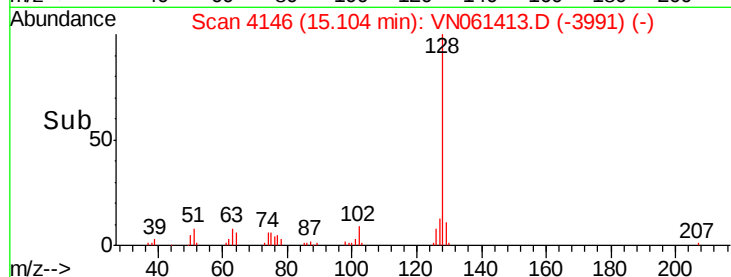
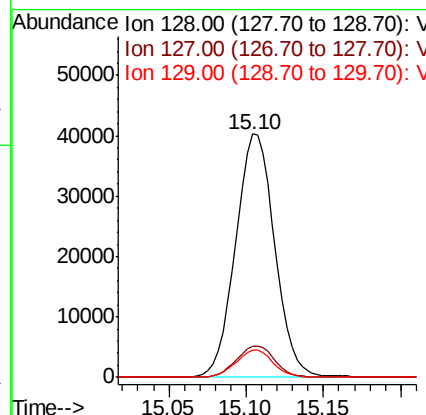
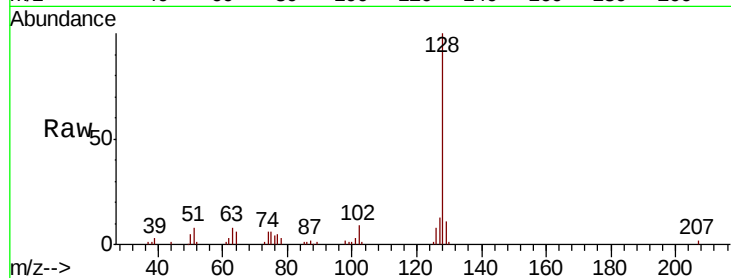




#91
Naphthalene
Concen: 18.712 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 70752
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.7 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 18.402 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061413.D
Acq: 15 May 2020 16:48

Tgt Ion:180 Resp: 21486
Ion Ratio Lower Upper
180 100
182 94.3 0.0 193.4
145 33.7 0.0 65.8

