

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051120\
 Data File : VN061385.D
 Acq On : 11 May 2020 13:22
 Operator : JC/MD
 Sample : VN0511WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 12 02:14:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	105268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	183258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	172291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	86212	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.55	113	54318	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.06	98	226279	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.38	95	85302	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	19821	17.756	ug/l	98
3) Chloromethane	2.03	50	27549	20.377	ug/l	99
4) Vinyl Chloride	2.16	62	29412	19.154	ug/l	99
5) Bromomethane	2.54	94	12423	16.367	ug/l	98
6) Chloroethane	2.67	64	18190	18.689	ug/l	97
7) Trichlorofluoromethane	2.98	101	38402	22.166	ug/l	97
8) Diethyl Ether	3.37	74	15463	21.399	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	22774	20.405	ug/l	99
10) Methyl Iodide	3.91	142	24093	16.797	ug/l	98
11) Tert butyl alcohol	4.73	59	19215	86.116	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	21083	18.982	ug/l	95
13) Acrolein	3.57	56	8013	53.889	ug/l	99
14) Allyl chloride	4.28	41	45601	22.143	ug/l	99
15) Acrylonitrile	4.93	53	68226	99.608	ug/l	98
16) Acetone	3.77	43	63615	95.334	ug/l	97
17) Carbon Disulfide	4.01	76	53245	17.355	ug/l	100
18) Methyl Acetate	4.28	43	37614	18.325	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	83908	19.771	ug/l	98
20) Methylene Chloride	4.51	84	25253	19.443	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	22673	18.747	ug/l	97
22) Diisopropyl ether	5.90	45	98873	20.704	ug/l	96
23) Vinyl Acetate	5.84	43	377062	98.062	ug/l	99
24) 1,1-Dichloroethane	5.80	63	50230	20.131	ug/l	99
25) 2-Butanone	6.79	43	93591	94.956	ug/l	98
26) 2,2-Dichloropropane	6.78	77	43750	20.817	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	27027	19.043	ug/l	96
28) Bromochloromethane	7.15	49	25490	21.554	ug/l	95
29) Tetrahydrofuran	7.17	42	63579	95.760	ug/l	98
30) Chloroform	7.33	83	48701	19.261	ug/l	94
31) Cyclohexane	7.62	56	42587	17.575	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	42148	19.142	ug/l	99
36) 1,1-Dichloropropene	7.75	75	35598	19.405	ug/l	99
37) Ethyl Acetate	6.88	43	41094	19.108	ug/l	99
38) Carbon Tetrachloride	7.73	117	30991	19.956	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	35609	17.308	ug/l	99
40) Benzene	8.00	78	104856	19.185	ug/l	100
41) Methacrylonitrile	7.12	41	17895	20.040	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	42201	20.382	ug/l	100
43) Isopropyl Acetate	8.13	43	67945	19.036	ug/l	100
44) Trichloroethene	8.80	130	26360	17.841	ug/l	98
45) 1,2-Dichloropropane	9.08	63	28960	19.834	ug/l	100
46) Dibromomethane	9.18	93	17407	19.254	ug/l	97
47) Bromodichloromethane	9.37	83	38280	19.727	ug/l	97
48) Methyl methacrylate	9.17	41	30441	18.900	ug/l	98
49) 1,4-Dioxane	9.17	88	5559	304.060	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	205816	97.965	ug/l	100
52) Toluene	10.13	92	63776	19.373	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	42508	19.441	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	45629	19.739	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	26186	19.942	ug/l	99
56) Ethyl methacrylate	10.40	69	39788	19.167	ug/l	98
57) 1,3-Dichloropropane	10.68	76	46162	20.000	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	100174	94.249	ug/l	99
59) 2-Hexanone	10.72	43	146062	95.562	ug/l	99
60) Dibromochloromethane	10.88	129	26657	19.383	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25234	19.173	ug/l	98
64) Tetrachloroethene	10.60	164	25948	17.389	ug/l	98
65) Chlorobenzene	11.41	112	66144	19.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	24173	19.762	ug/l	98
67) Ethyl Benzene	11.48	91	124040	19.388	ug/l	100
68) m/p-Xylenes	11.60	106	89219	38.098	ug/l	97
69) o-Xylene	11.92	106	44921	19.970	ug/l	99
70) Styrene	11.94	104	73379	19.490	ug/l	100
71) Bromoform	12.10	173	16866	18.761	ug/l #	93
73) Isopropylbenzene	12.23	105	118999	20.174	ug/l	98
74) N-amyl acetate	12.05	43	56957	19.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	38122	20.727	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	51614	30.512	ug/l #	100
77) Bromobenzene	12.50	156	25835	18.973	ug/l	94
78) n-propylbenzene	12.57	91	141839	20.273	ug/l	99
79) 2-Chlorotoluene	12.65	91	83580	20.324	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	98776	20.233	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	12936	19.420	ug/l	98
82) 4-Chlorotoluene	12.75	91	84905	19.589	ug/l	100
83) tert-Butylbenzene	12.97	119	82687	20.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	97677	19.420	ug/l	97
85) sec-Butylbenzene	13.15	105	111319	19.834	ug/l	100
86) p-Isopropyltoluene	13.26	119	100005	19.777	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	50392	20.103	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	48372	18.886	ug/l	95
89) n-Butylbenzene	13.59	91	92750	20.008	ug/l	99
90) Hexachloroethane	13.85	117	13945	30.032	ug/l	86
91) 1,2-Dichlorobenzene	13.63	146	47271	19.667	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7869	20.257	ug/l	99

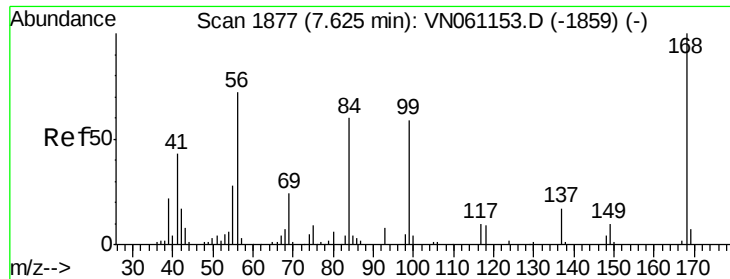
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051120\
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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	28501	19.473	ug/l	99
94) Hexachlorobutadiene	14.99	225	12490	20.427	ug/l	98
95) Naphthalene	15.10	128	92845	19.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	28087	19.437	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

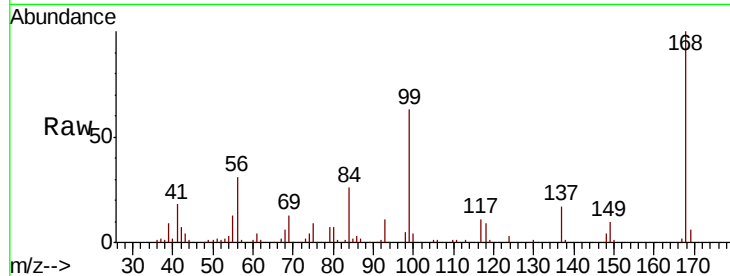
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 105268

Ion Ratio Lower Upper

168 100

99 62.8 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

30000

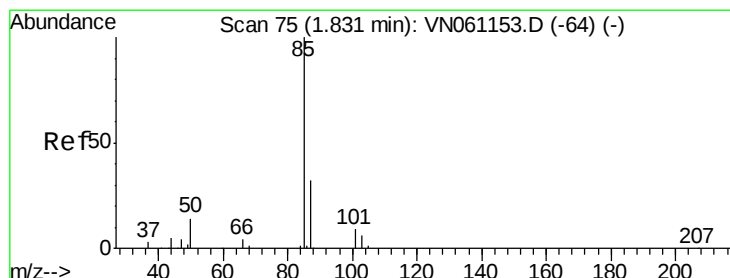
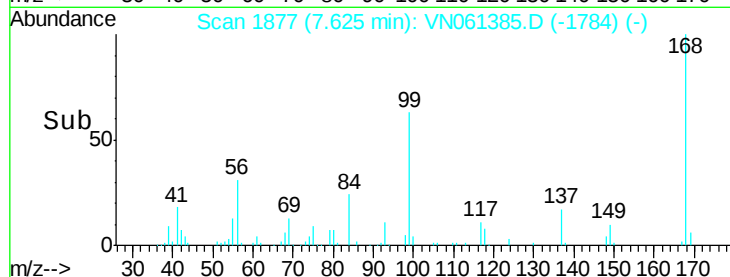
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.756 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061385.D

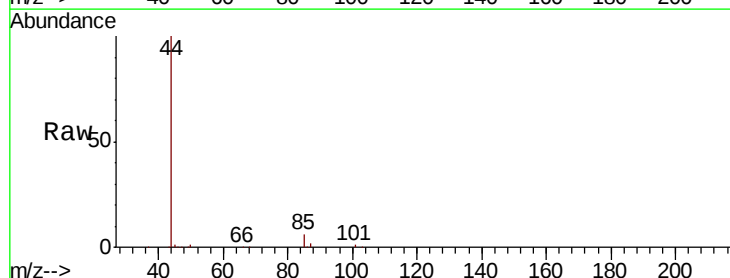
Acq: 11 May 2020 13:22

Tgt Ion: 85 Resp: 19821

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

15000

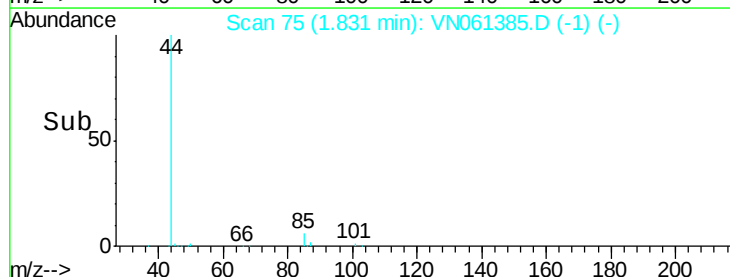
10000

5000

0

1.80 1.85

Time-->

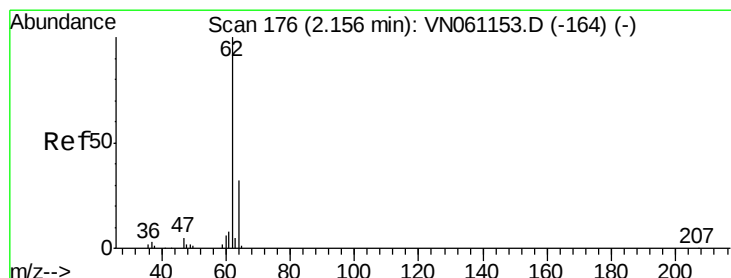
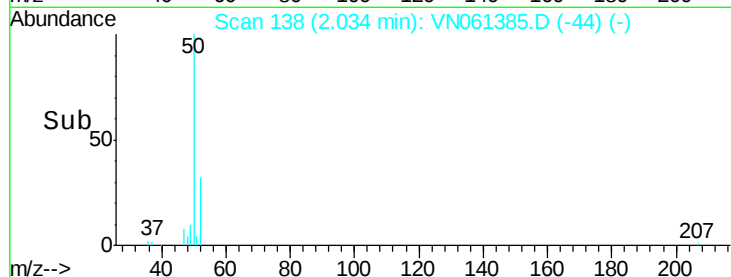
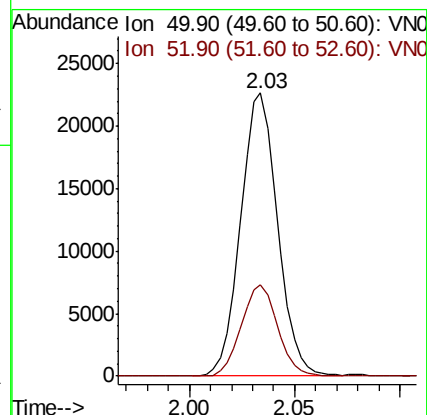
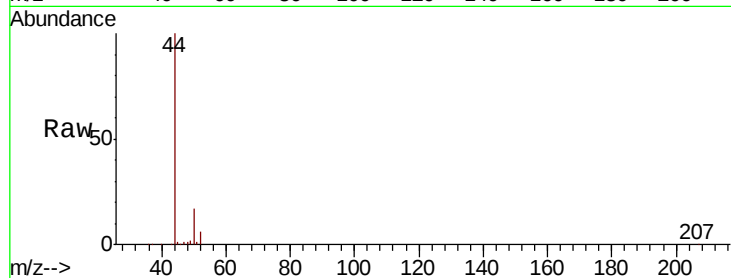




#3
Chloromethane
Concen: 20.377 ug/l
RT: 2.03 min Scan# 138
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

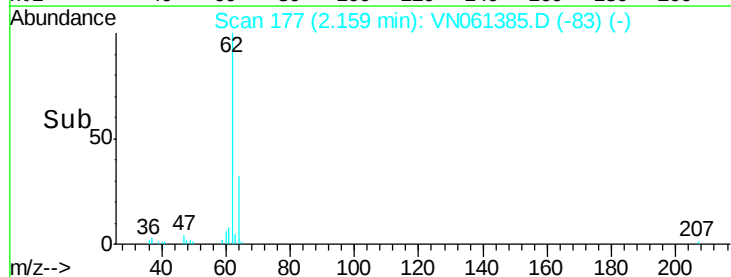
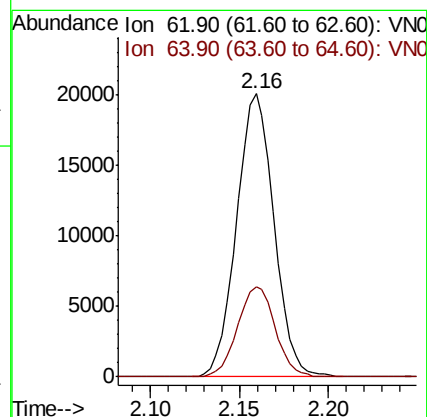
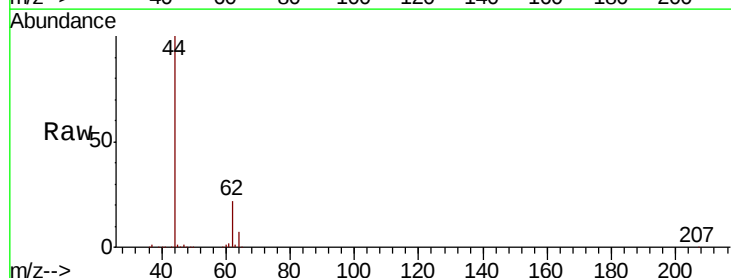
Instrument :
MSVOA_N
ClientSampled :

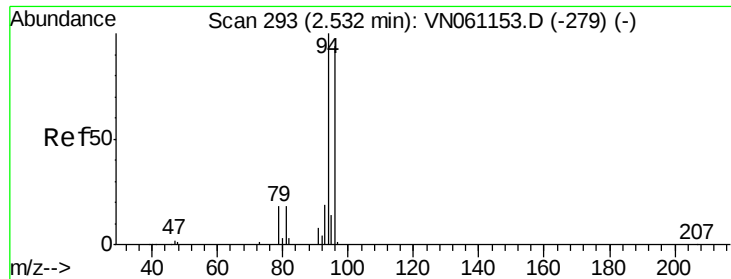
Tot Ion: 50 Resp: 27549
Ion Ratio Lower Upper
50 100
52 32.1 26.0 39.0



#4
Vinyl Chloride
Concen: 19.154 ug/l
RT: 2.16 min Scan# 177
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 62 Resp: 29412
Ion Ratio Lower Upper
62 100
64 32.0 25.2 37.8





#5

Bromomethane

Concen: 16.367 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

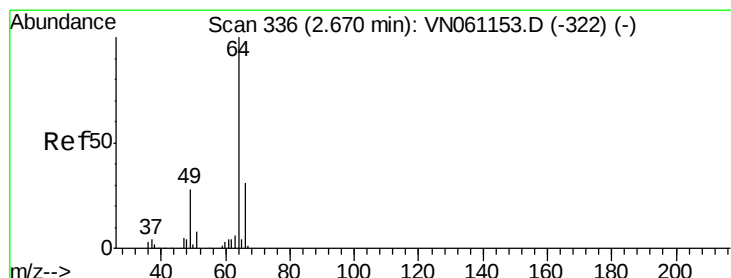
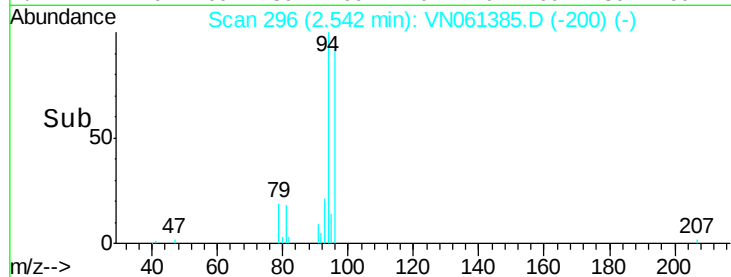
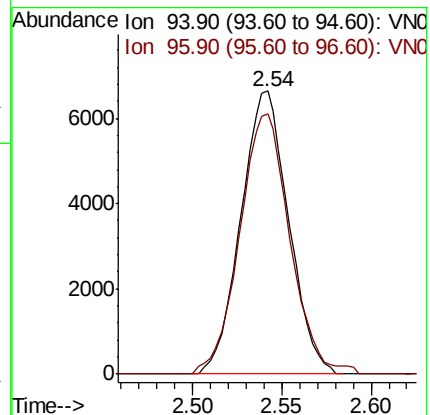
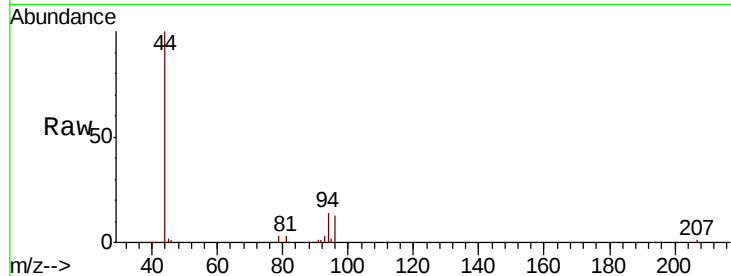
ClientSampled :

Tot Ion: 94 Resp: 12423

Ion Ratio Lower Upper

94 100

96 92.1 75.1 112.7



#6

Chloroethane

Concen: 18.689 ug/l

RT: 2.67 min Scan# 337

Delta R.T. 0.00 min

Lab File: VN061385.D

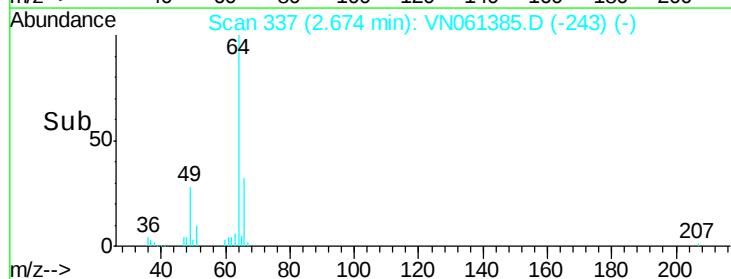
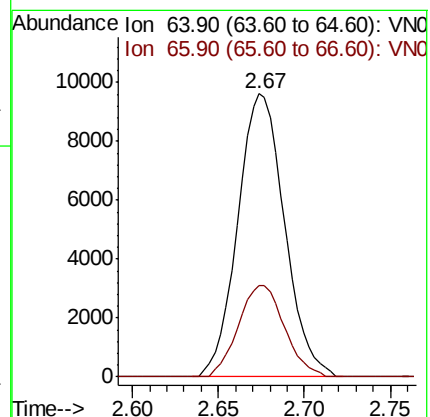
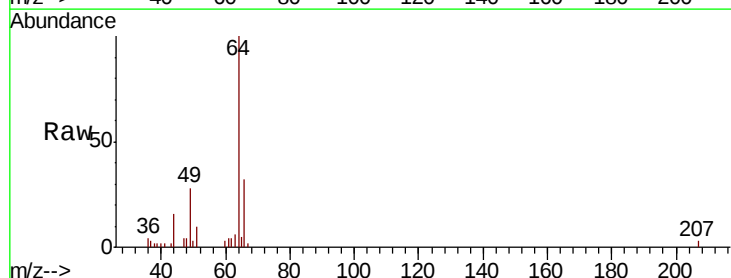
Acq: 11 May 2020 13:22

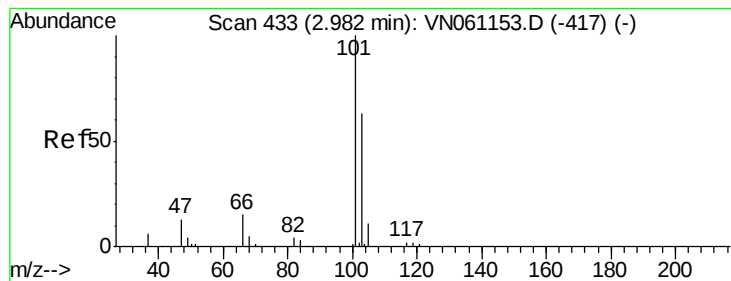
Tgt Ion: 64 Resp: 18190

Ion Ratio Lower Upper

64 100

66 32.2 24.6 36.8



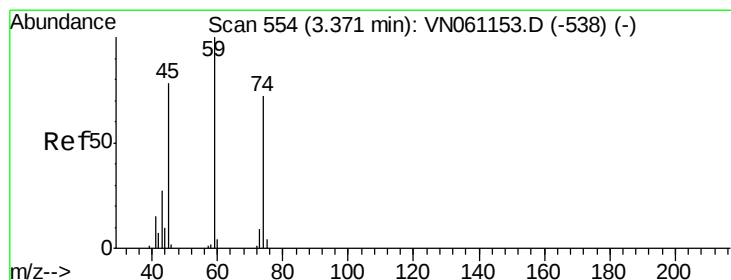
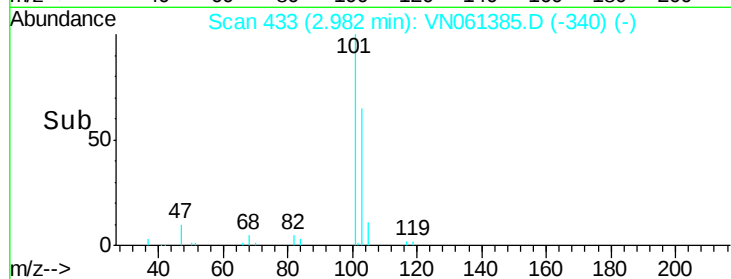
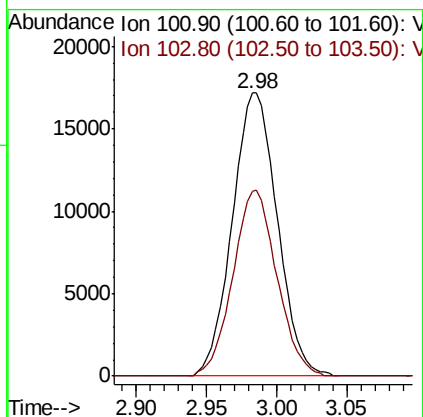
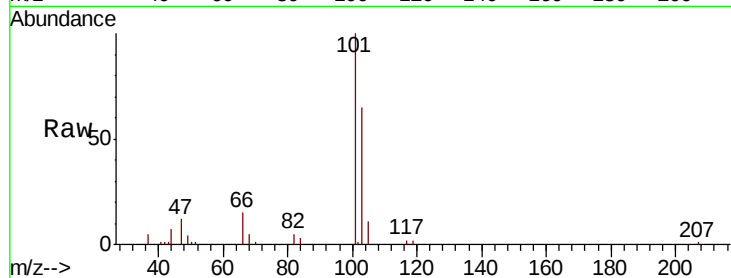


#7

Trichlorofluoromethane
 Concen: 22.166 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :

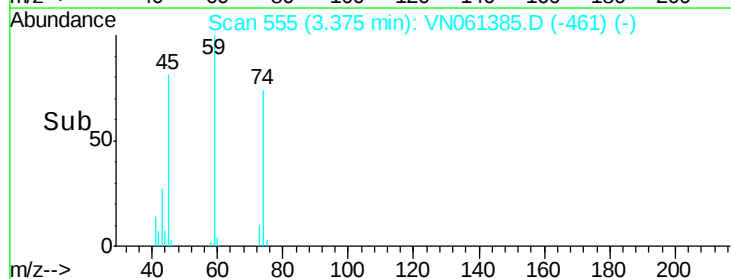
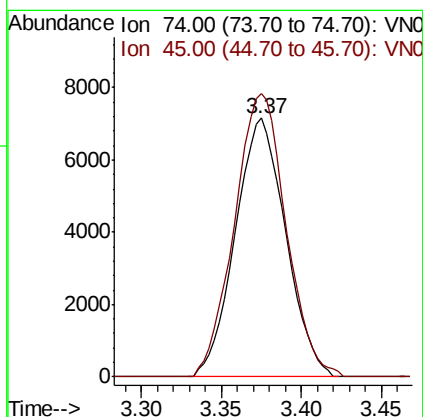
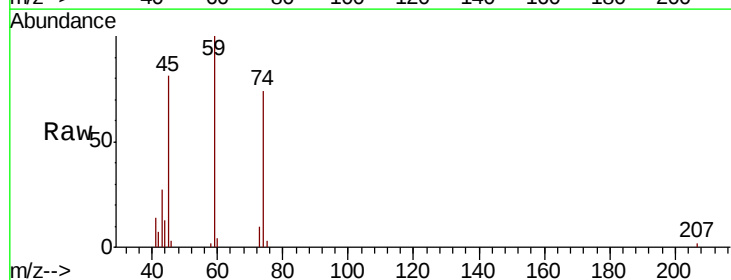
Tot Ion:101 Resp: 38402
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.6 76.0

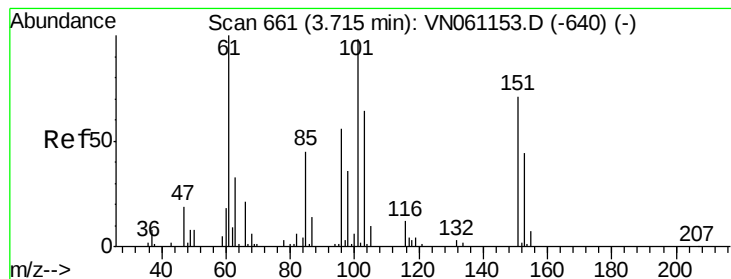


#8

Diethyl Ether
 Concen: 21.399 ug/l
 RT: 3.37 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion: 74 Resp: 15463
 Ion Ratio Lower Upper
 74 100
 45 112.0 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.405 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

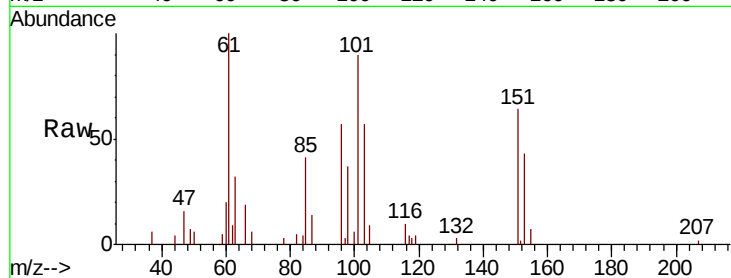
Tot Ion:101 Resp: 22774

Ion Ratio Lower Upper

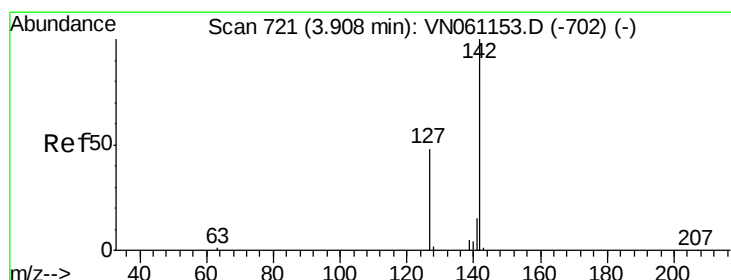
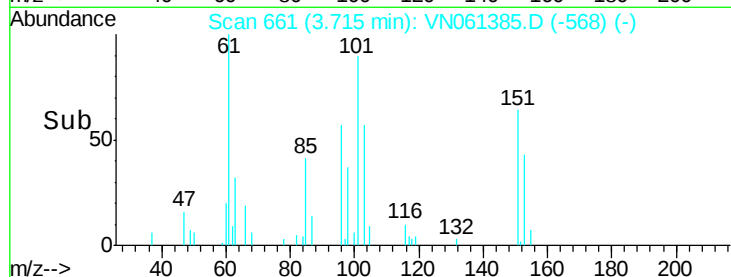
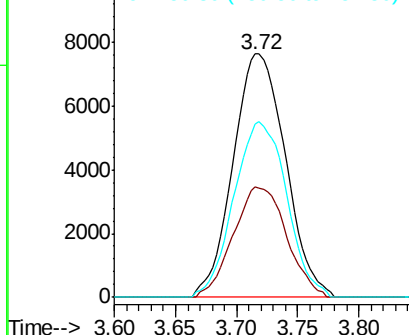
101 100

85 46.1 37.2 55.8

151 72.7 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.797 ug/l

RT: 3.91 min Scan# 722

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

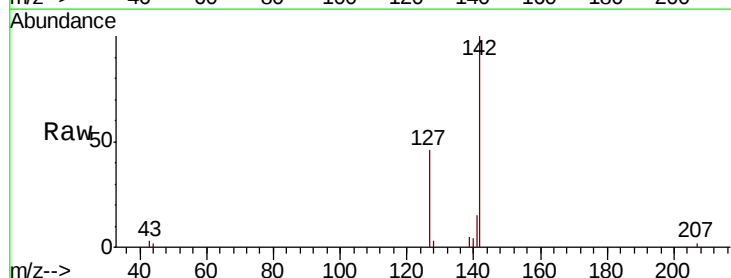
Tgt Ion:142 Resp: 24093

Ion Ratio Lower Upper

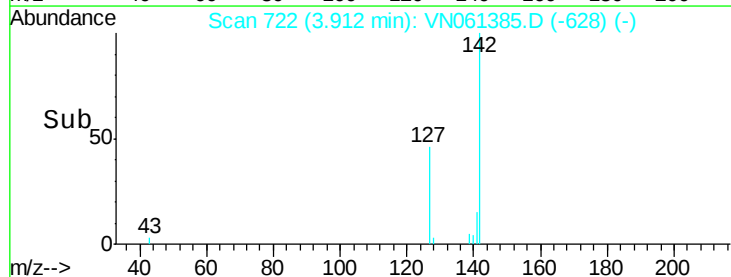
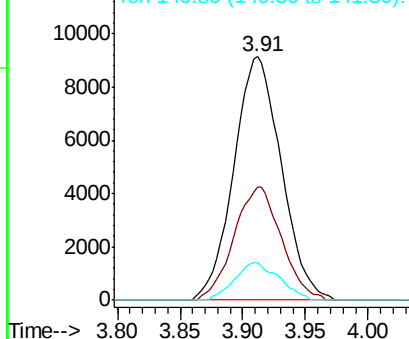
142 100

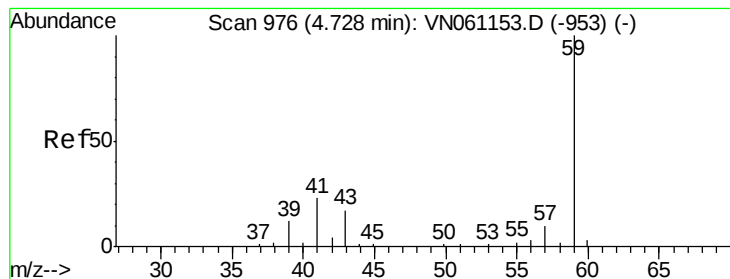
127 46.3 38.0 57.0

141 14.3 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.116 ug/l

RT: 4.73 min Scan# 976

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

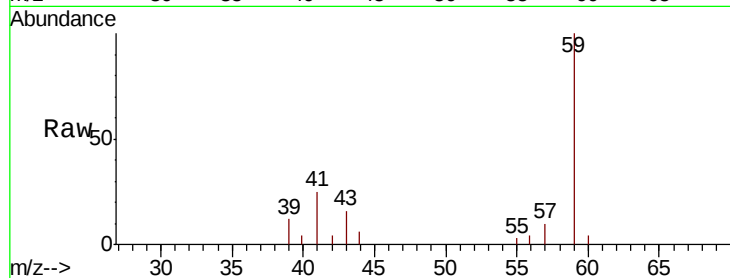
ClientSampleId :

Tot Ion: 59 Resp: 19215

Ion Ratio Lower Upper

59 100

57 5.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN061385.D (-883) (-)

Ion 57.00 (56.70 to 57.70): VN061385.D (-883) (-)

4.73

6000

5000

4000

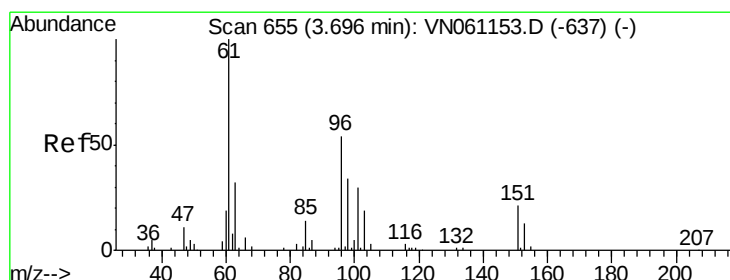
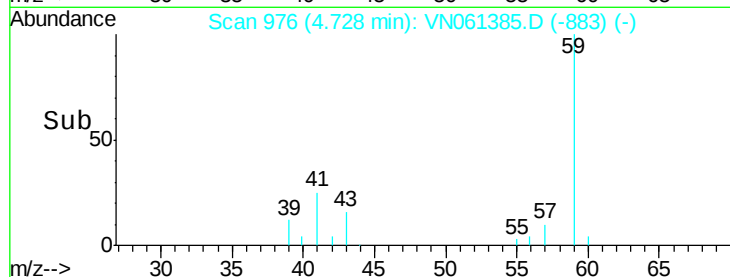
3000

2000

1000

0

Time--> 4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 18.982 ug/l

RT: 3.70 min Scan# 655

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

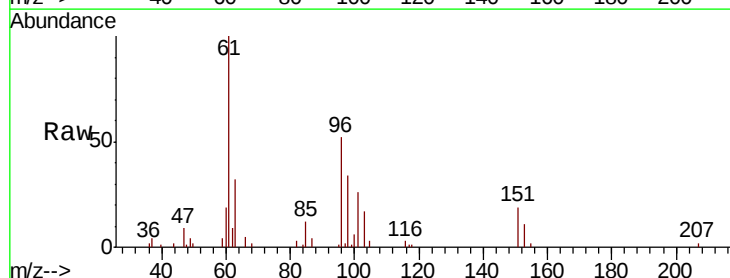
Tgt Ion: 96 Resp: 21083

Ion Ratio Lower Upper

96 100

61 190.7 147.0 220.6

98 65.6 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VN061385.D (-562) (-)

Ion 60.90 (60.60 to 61.60): VN061385.D (-562) (-)

Ion 97.90 (97.60 to 98.60): VN061385.D (-562) (-)

3.70

20000

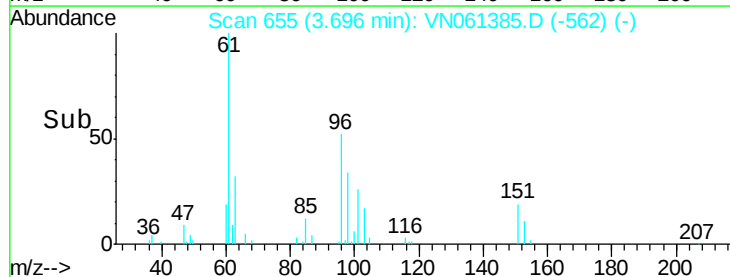
15000

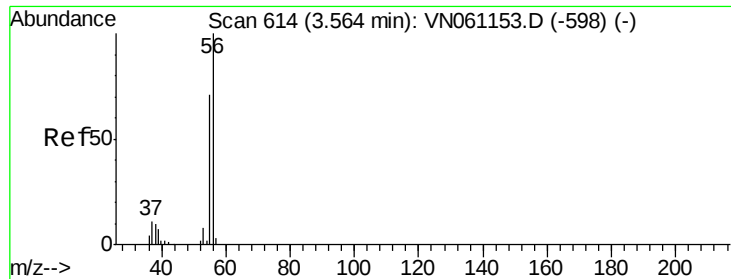
10000

5000

0

Time--> 3.60 3.65 3.70 3.75





#13

Acrolein

Concen: 53.889 ug/l

RT: 3.57 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

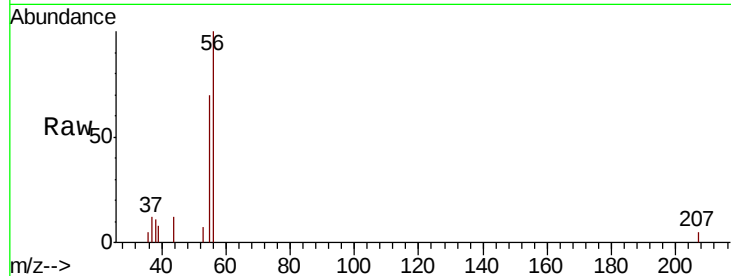
ClientSampleId :

Tot Ion: 56 Resp: 8013

Ion Ratio Lower Upper

56 100

55 71.8 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN061153.D (-598) (-)

Ion 55.00 (54.70 to 55.70): VN061153.D (-598) (-)

3.57

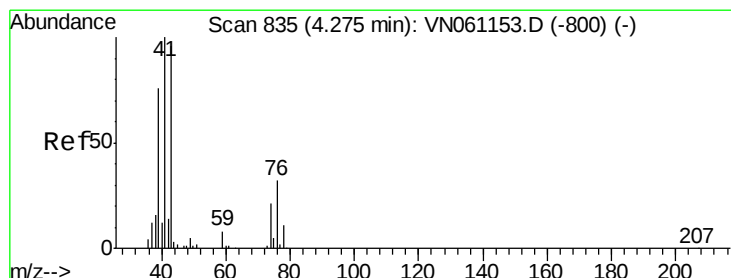
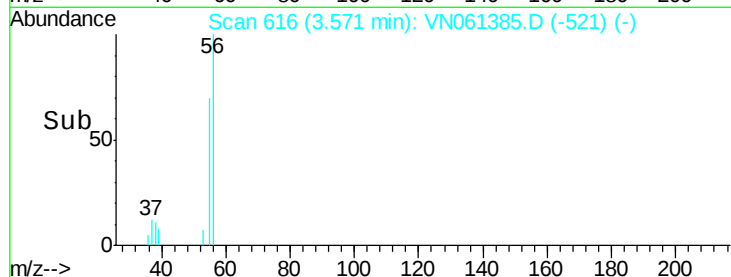
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 22.143 ug/l

RT: 4.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

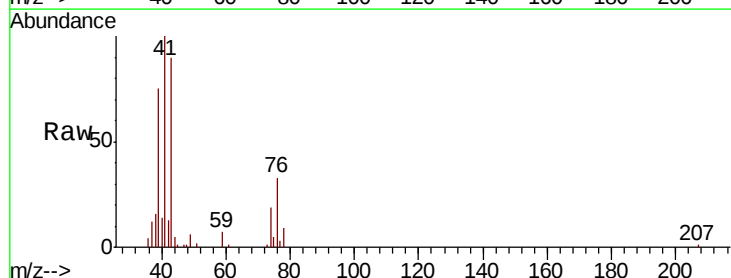
Tgt Ion: 41 Resp: 45601

Ion Ratio Lower Upper

41 100

39 70.3 57.1 85.7

76 29.7 24.3 36.5



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

20000

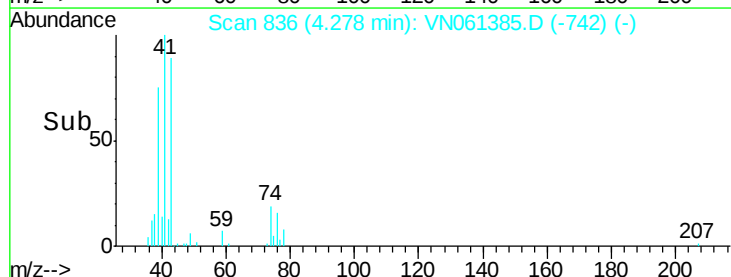
15000

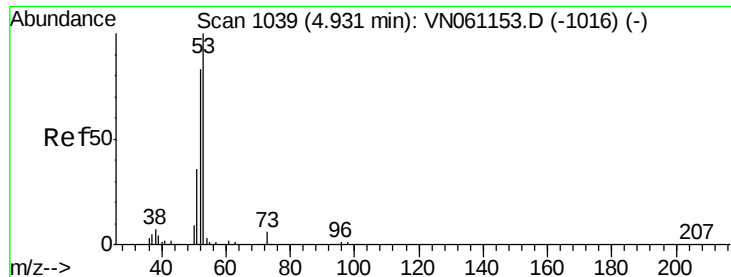
10000

5000

0

Time-->

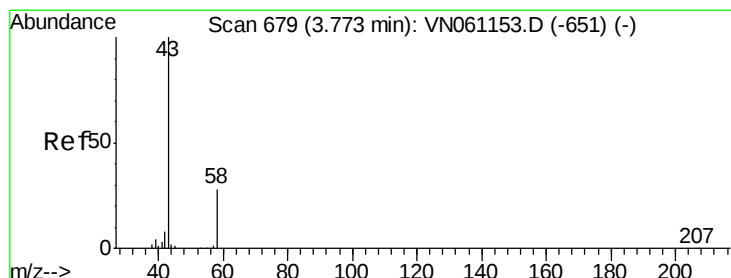
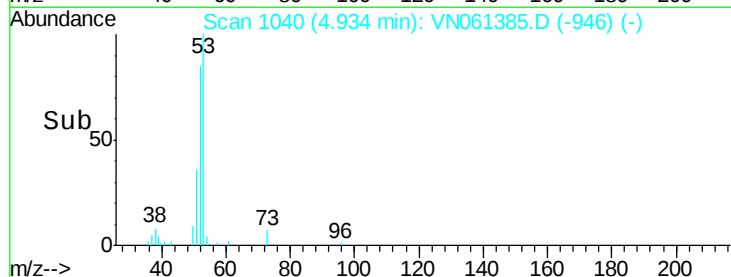
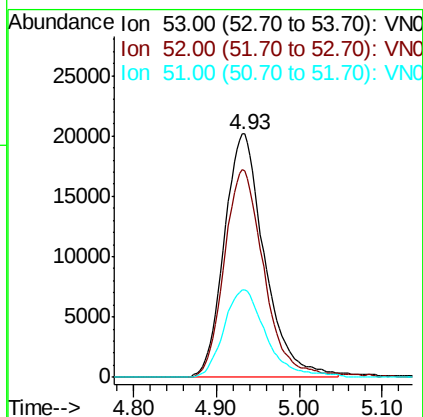
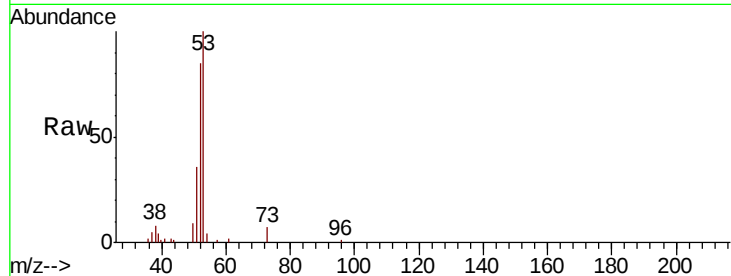




#15
 Acrylonitrile
 Concen: 99.608 ug/l
 RT: 4.93 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

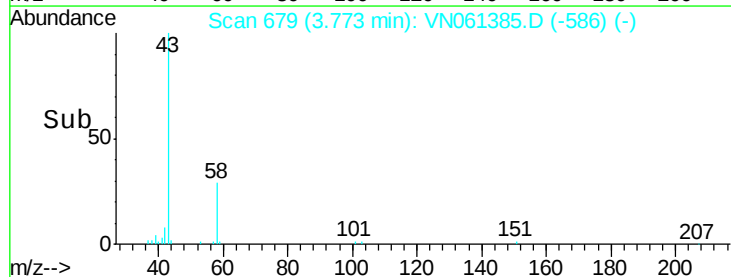
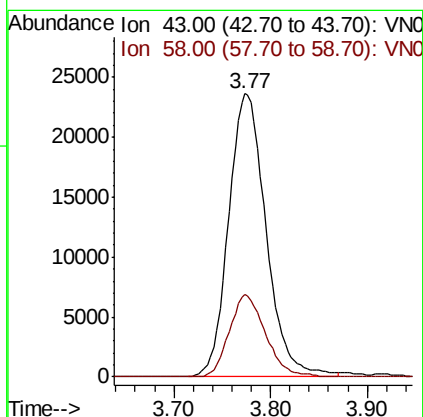
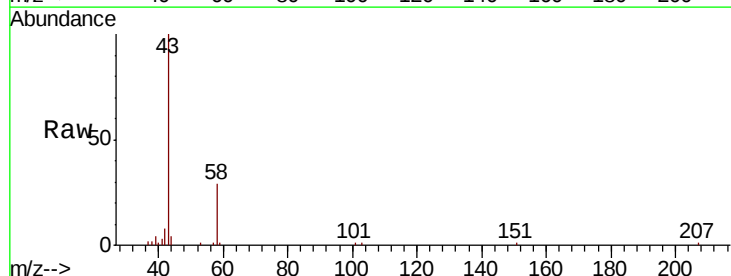
Instrument :
 MSVOA_N
 ClientSampled :

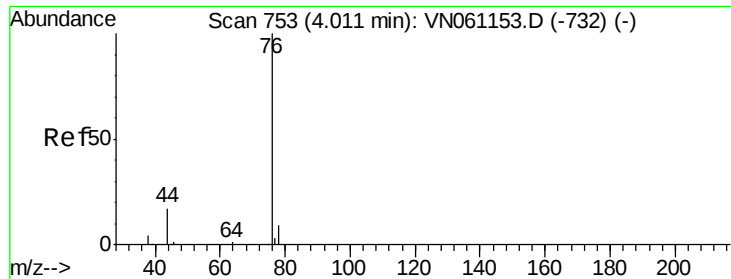
Tot Ion	53	Resp	68226
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.4	98.0
51	37.7	29.5	44.3



#16
 Acetone
 Concen: 95.334 ug/l
 RT: 3.77 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	43	Resp	63615
Ion Ratio	Lower	Upper	
43	100		
58	29.2	22.2	33.2

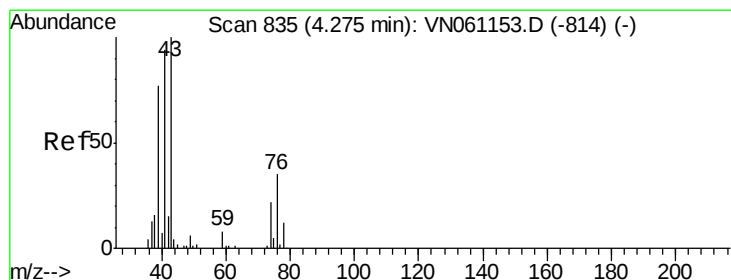
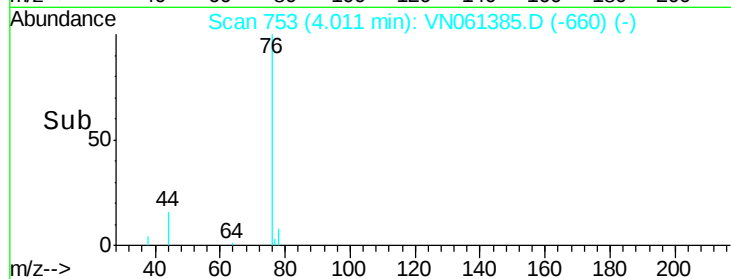
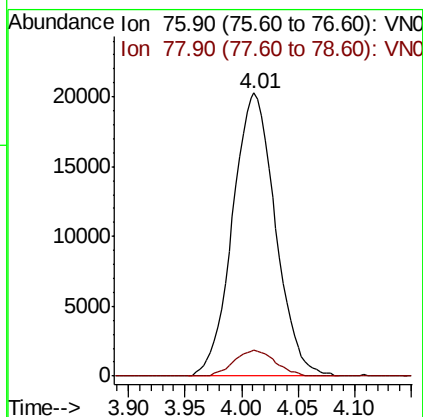
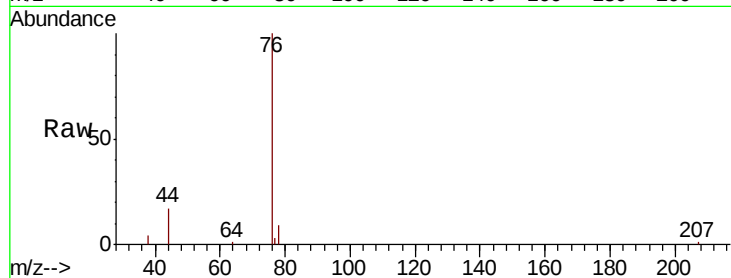




#17
Carbon Disulfide
Concen: 17.355 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

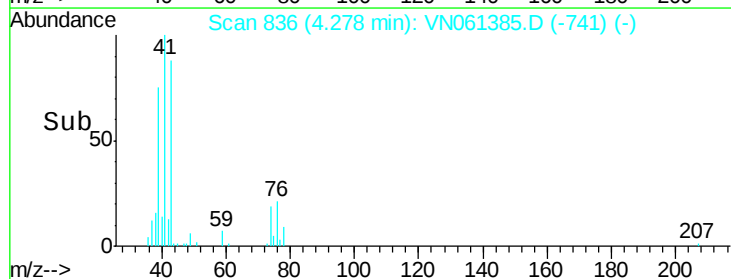
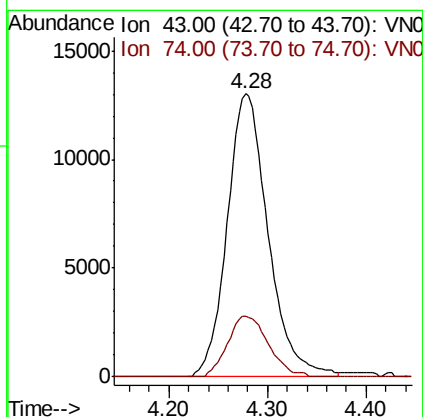
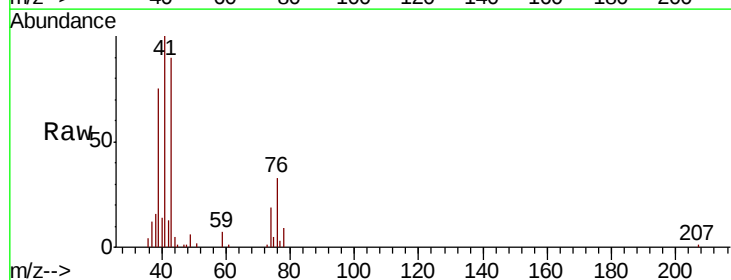
Instrument :
MSVOA_N
ClientSampleId :

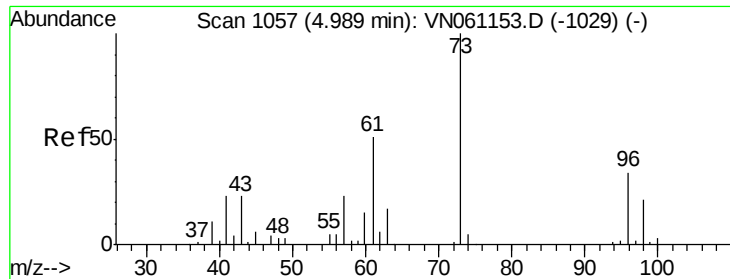
Tot Ion: 76 Resp: 53245
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 18.325 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 43 Resp: 37614
Ion Ratio Lower Upper
43 100
74 21.1 17.0 25.4

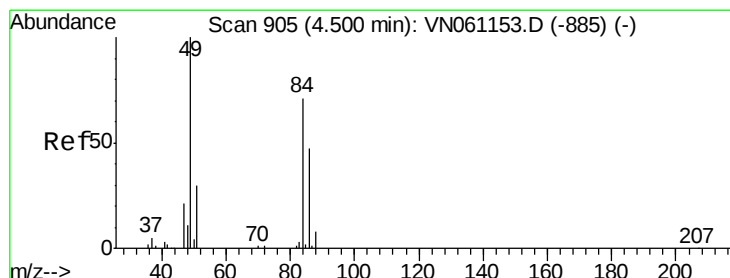
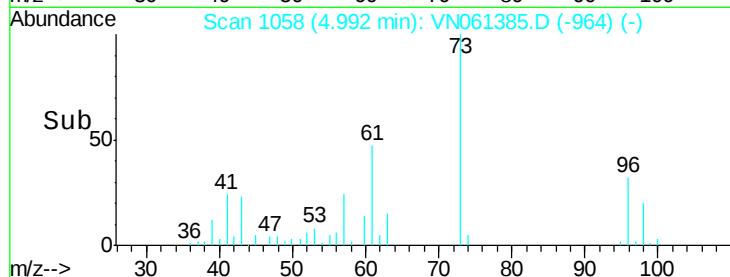
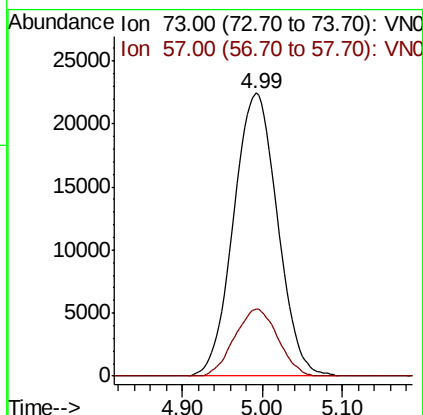
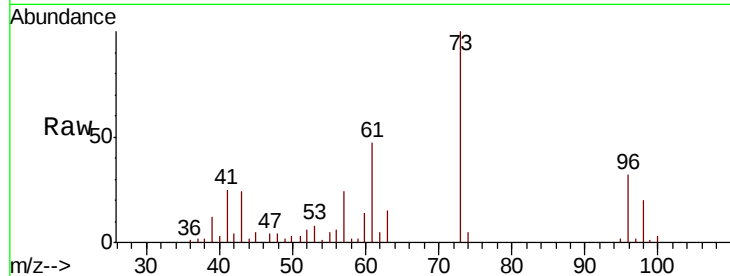




#19
Methvl tert-butvl Ether
Concen: 19.771 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

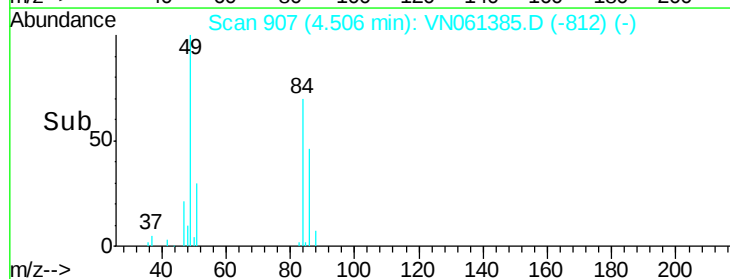
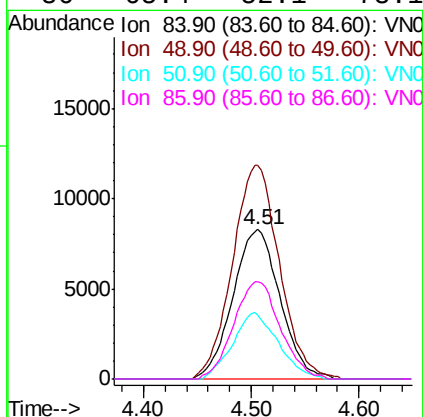
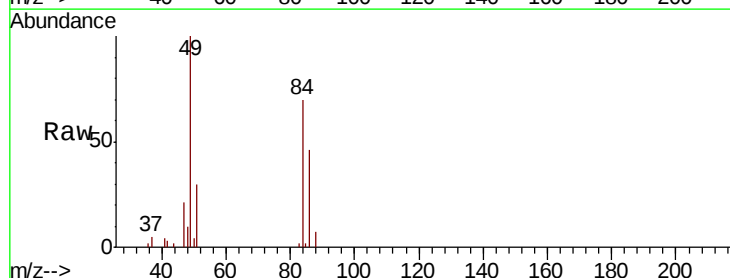
Instrument :
MSVOA_N
ClientSampleId :

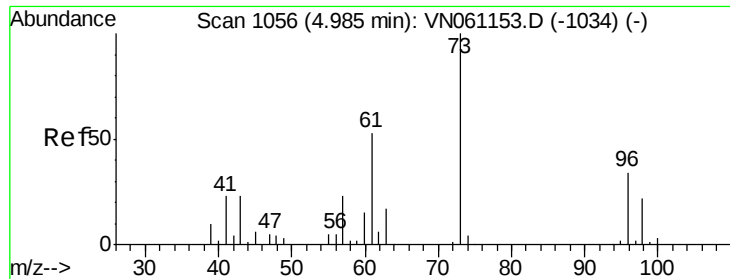
Tot Ion: 73 Resp: 83908
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5



#20
Methylene Chloride
Concen: 19.443 ug/l
RT: 4.51 min Scan# 907
Delta R.T. 0.01 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 84 Resp: 25253
Ion Ratio Lower Upper
84 100
49 143.1 112.0 168.0
51 42.8 33.6 50.4
86 65.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 18.747 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

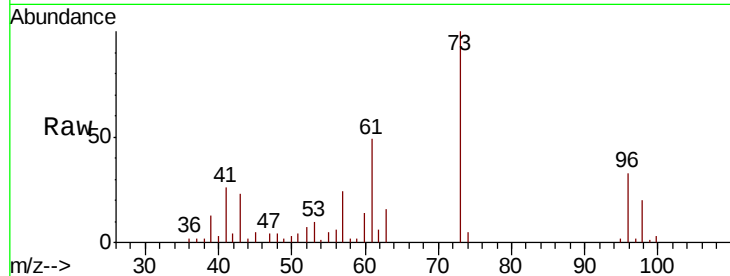
Tot Ion: 96 Resp: 22673

Ion Ratio Lower Upper

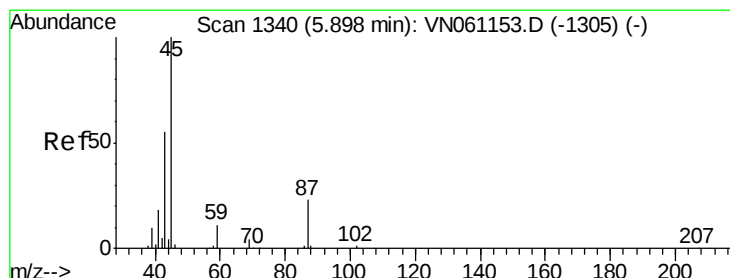
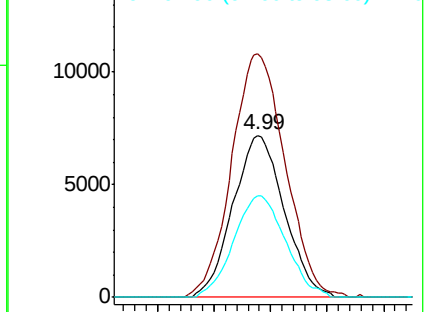
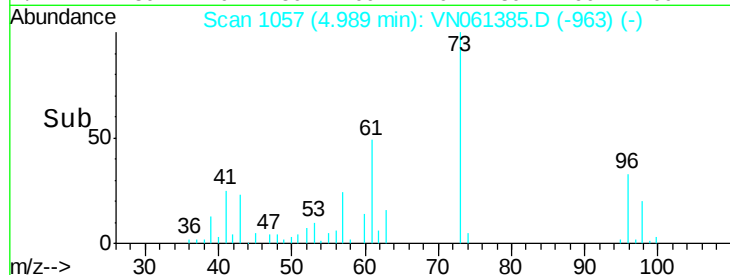
96 100

61 148.5 123.0 184.4

98 62.5 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VN061385.D (-963) (-)



#22

Diisopropyl ether

Concen: 20.704 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion: 45 Resp: 98873

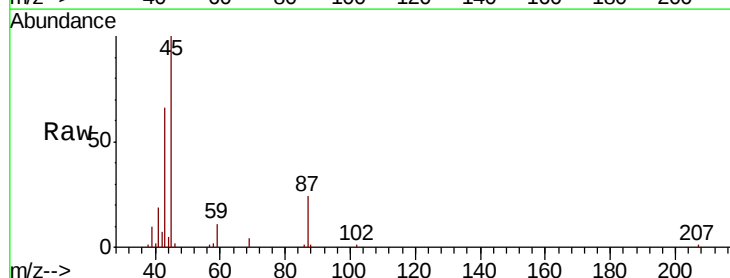
Ion Ratio Lower Upper

45 100

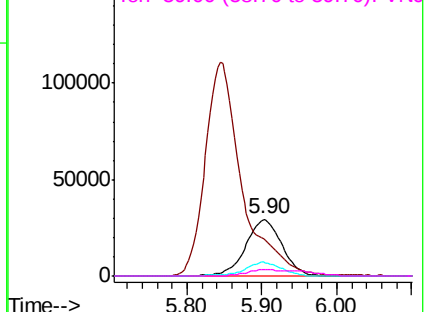
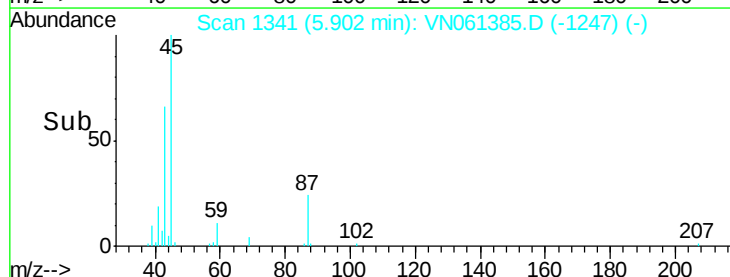
43 64.1 47.9 71.9

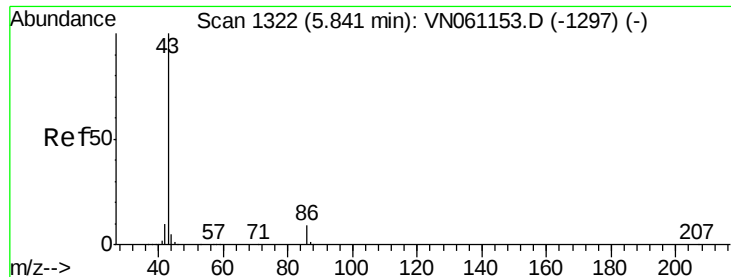
87 24.4 19.2 28.8

59 11.4 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN061385.D (-1247) (-)

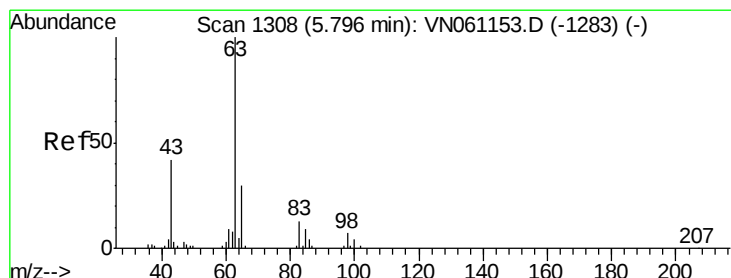
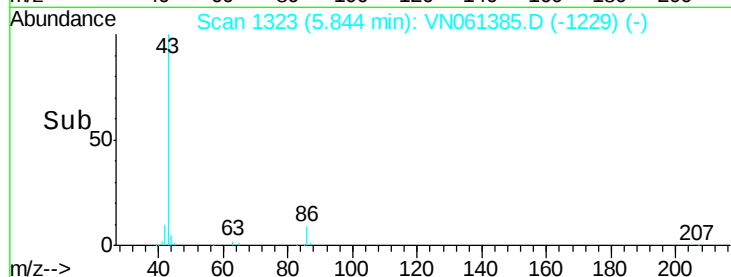
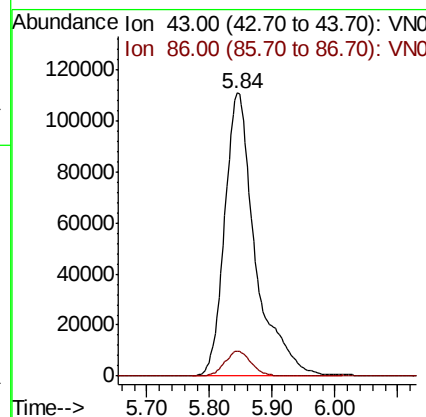
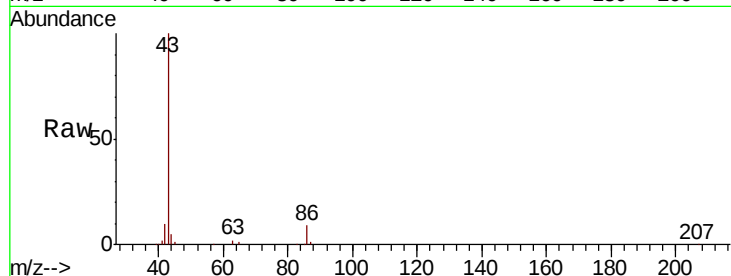




#23
 Vinyl Acetate
 Concen: 98.062 ug/l
 RT: 5.84 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

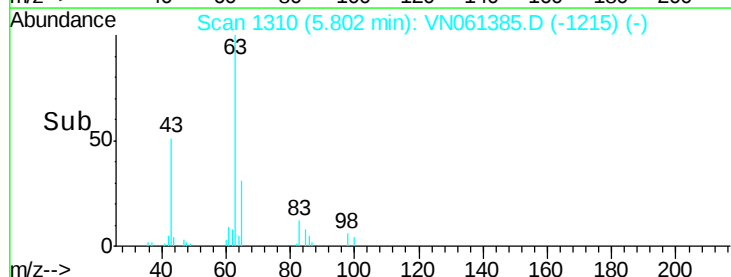
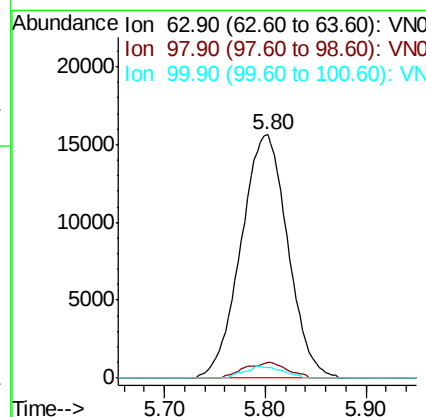
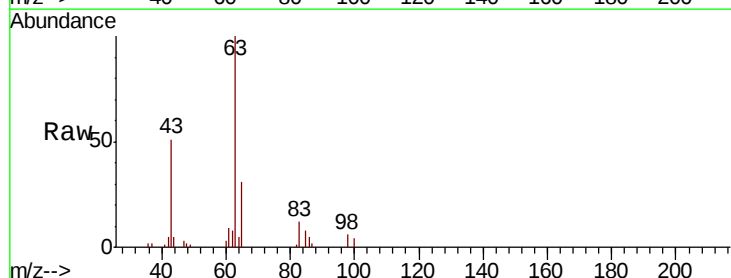
Instrument :
 MSVOA_N
 ClientSampleId :

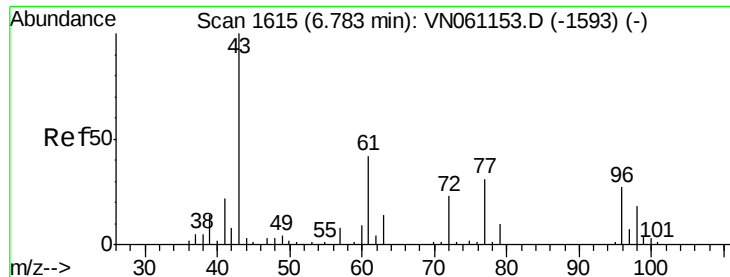
Tot Ion: 43 Resp: 377062
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 20.131 ug/l
 RT: 5.80 min Scan# 1310
 Delta R.T. 0.01 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion: 63 Resp: 50230
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.3 1.9 5.7





#25

2-Butanone

Concen: 94.956 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

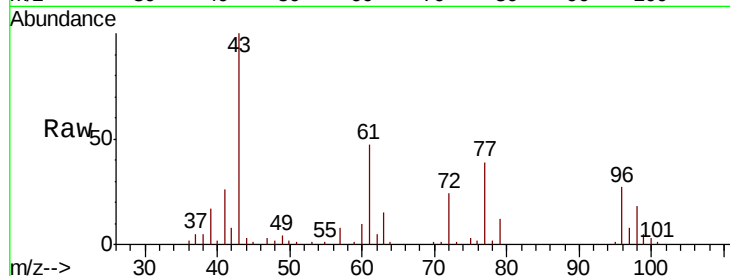
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 93591

Ion Ratio Lower Upper

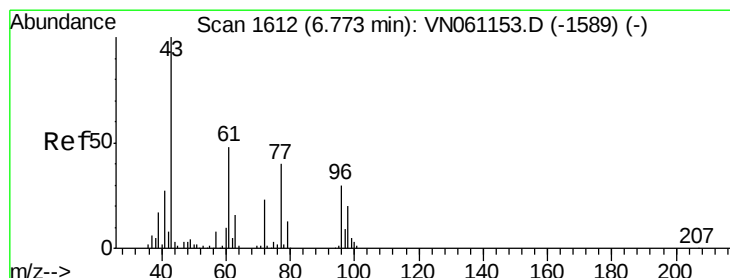
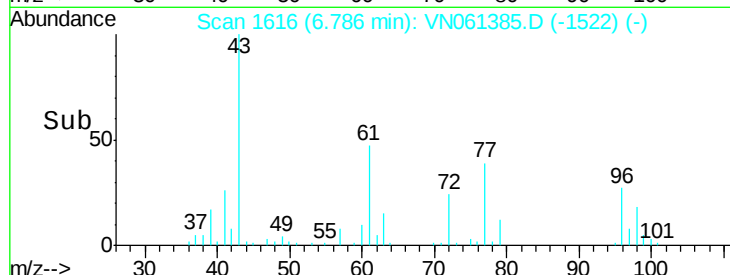
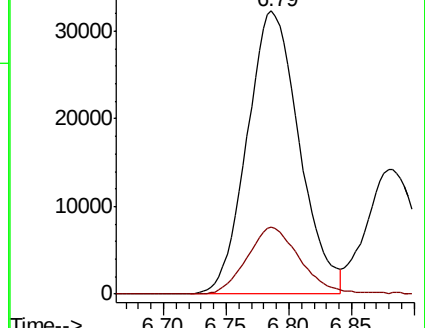
43 100

72 23.6 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1593) (-)

Ion 72.00 (71.70 to 72.70): VN061153.D (-1593) (-)



#26

2,2-Dichloropropane

Concen: 20.817 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061385.D

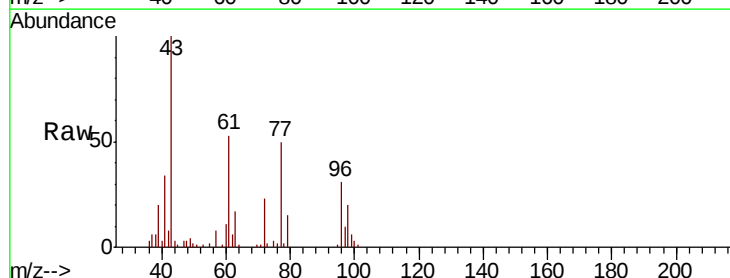
Acq: 11 May 2020 13:22

Tgt Ion: 77 Resp: 43750

Ion Ratio Lower Upper

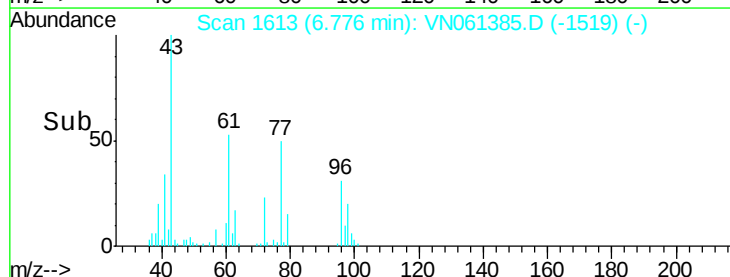
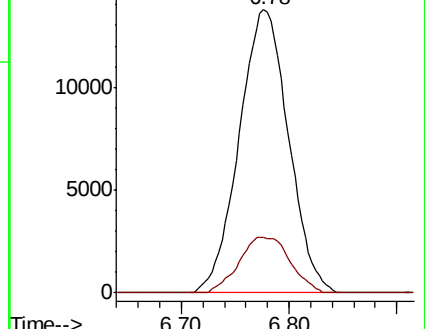
77 100

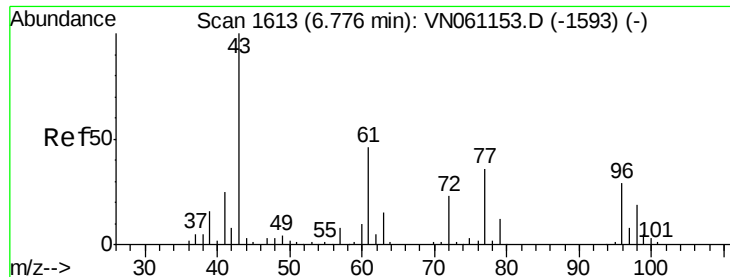
97 20.4 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN061153.D (-1589) (-)

Ion 96.90 (96.60 to 97.60): VN061153.D (-1589) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.043 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.01 min

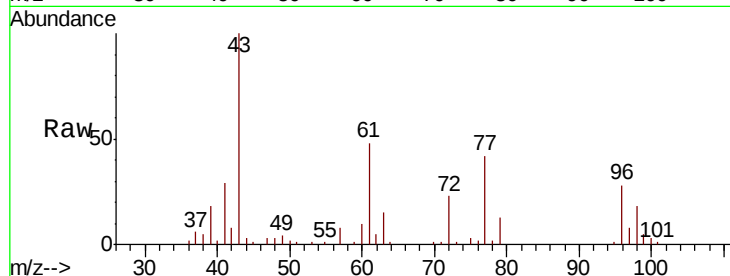
Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 27027

Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	322.0
98	63.7	0.0	129.6

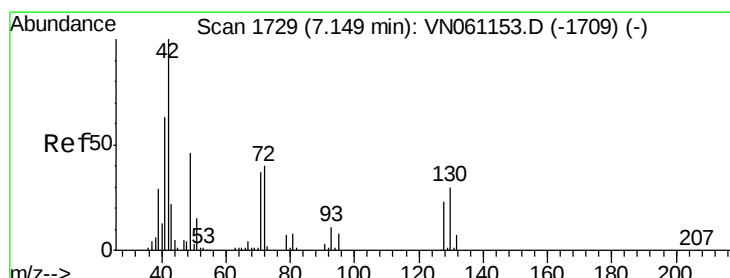
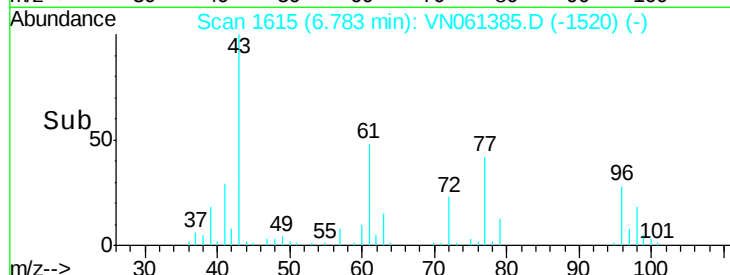
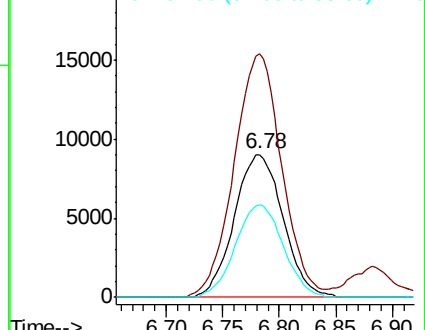


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.554 ug/l

RT: 7.15 min Scan# 1729

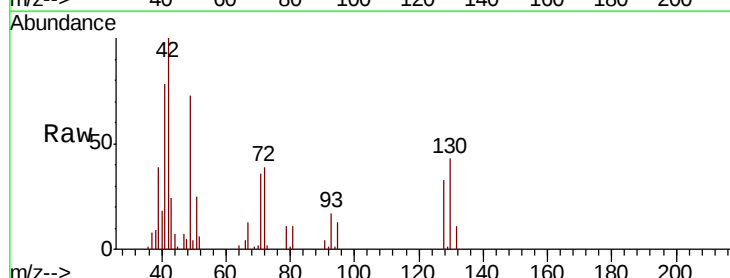
Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion: 49 Resp: 25490

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.0
130	60.2	51.4	77.2

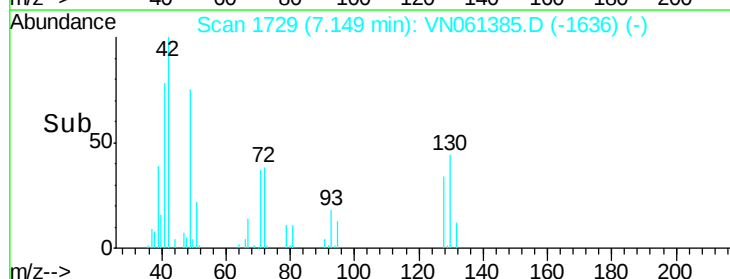
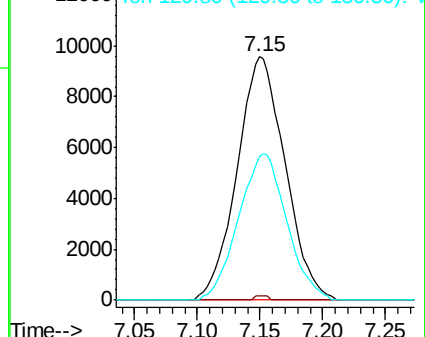


Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

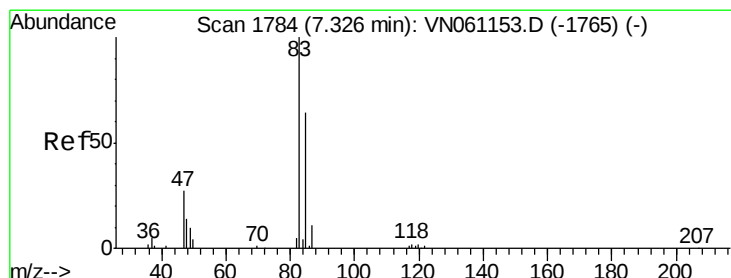
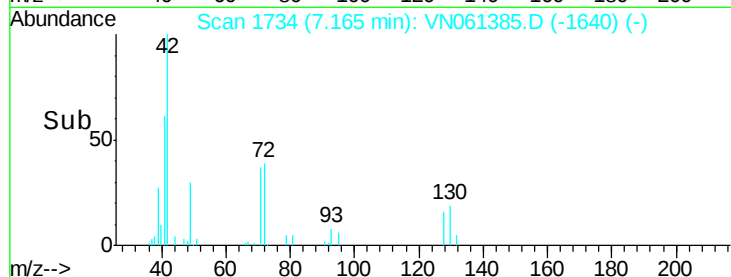
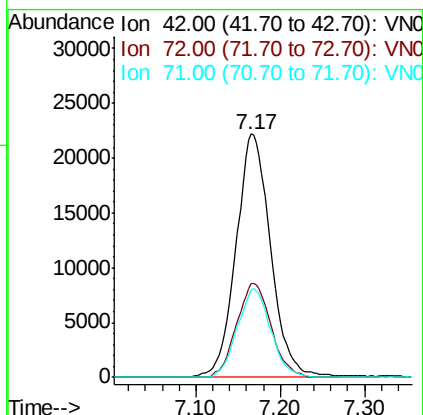
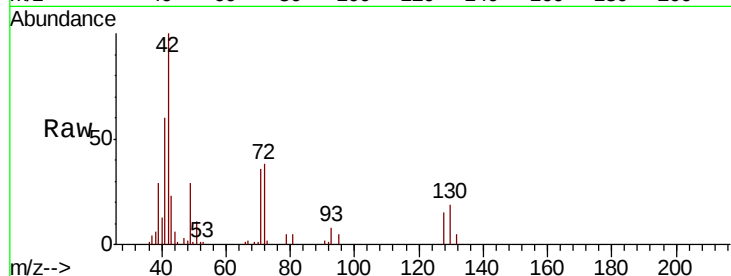




#29
Tetrahydrofuran
Concen: 95.760 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

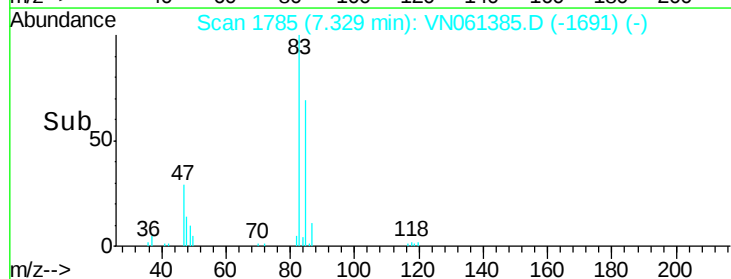
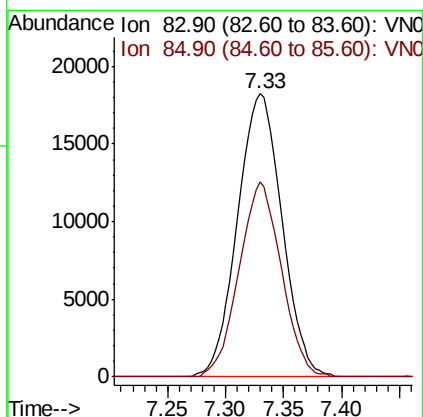
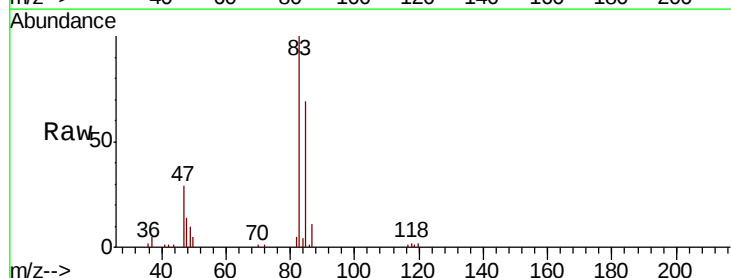
Instrument :
MSVOA_N
ClientSampleId :

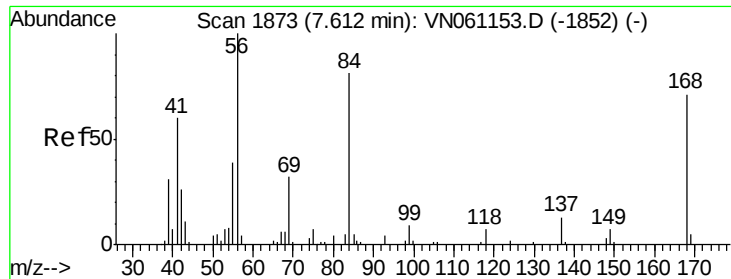
Tot Ion: 42 Resp: 63579
Ion Ratio Lower Upper
42 100
72 38.2 31.4 47.0
71 35.0 29.5 44.3



#30
Chloroform
Concen: 19.261 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 83 Resp: 48701
Ion Ratio Lower Upper
83 100
85 68.8 51.1 76.7

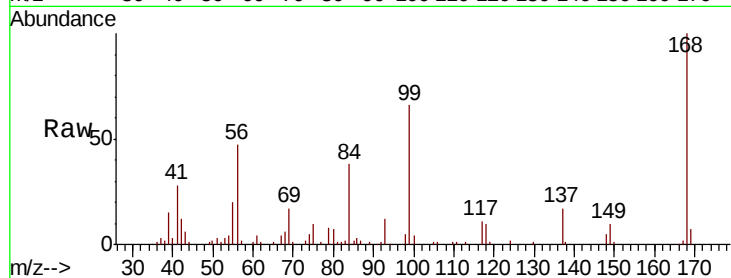




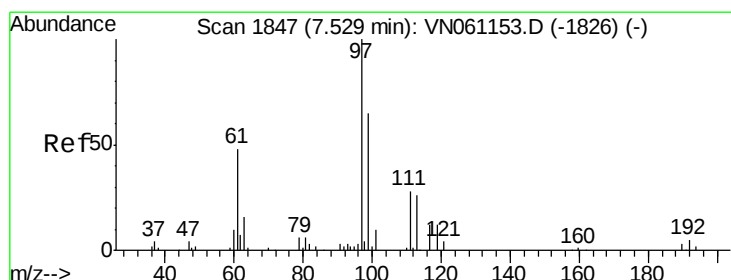
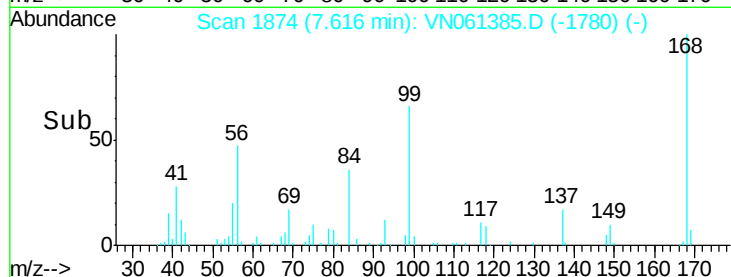
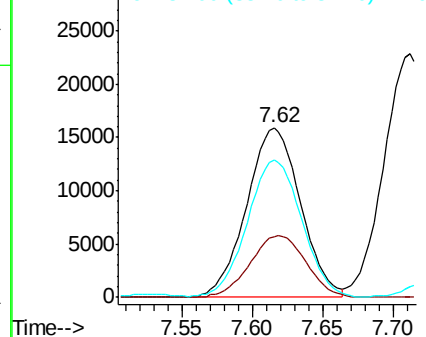
#31
Cyclohexane
Concen: 17.575 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 42587
Ion Ratio Lower Upper
56 100
69 35.9 25.7 38.5
84 79.7 64.6 97.0

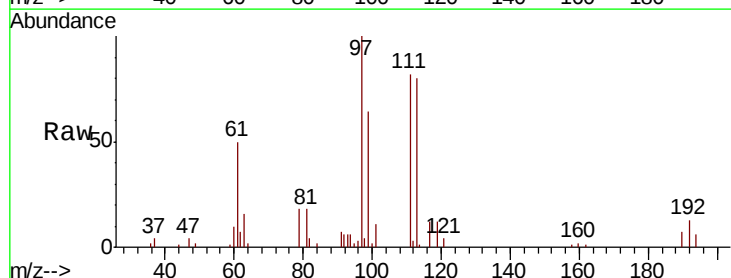


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

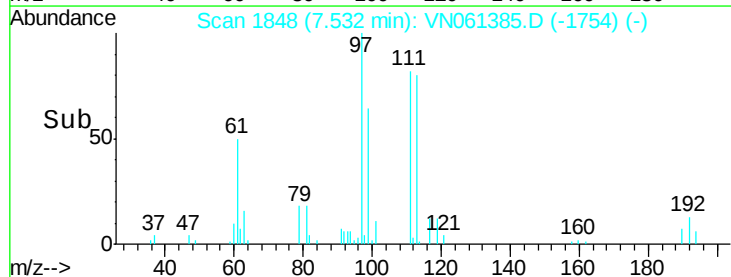
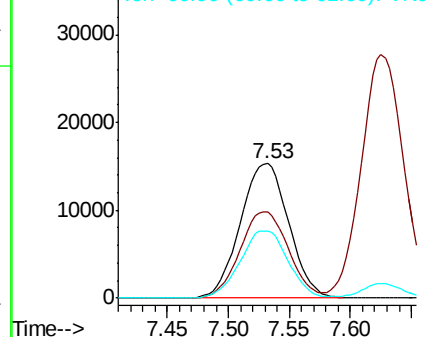


#32
1,1,1-Trichloroethane
Concen: 19.142 ug/l
RT: 7.53 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 97 Resp: 42148
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 49.5 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.758 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

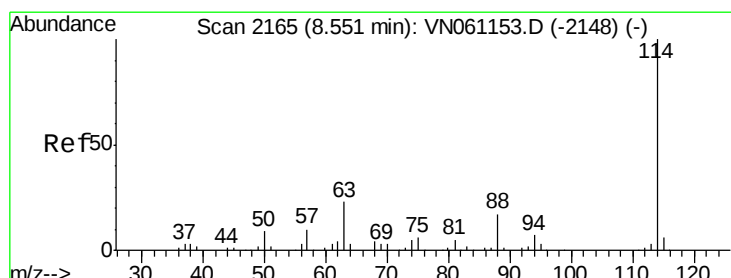
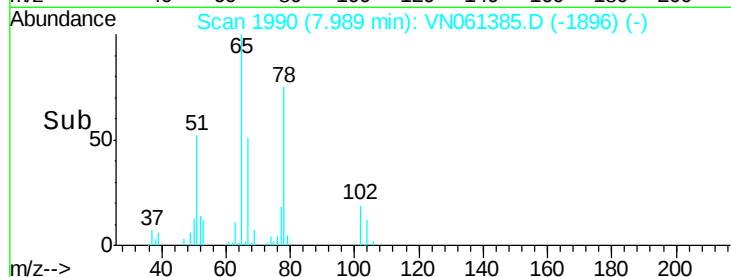
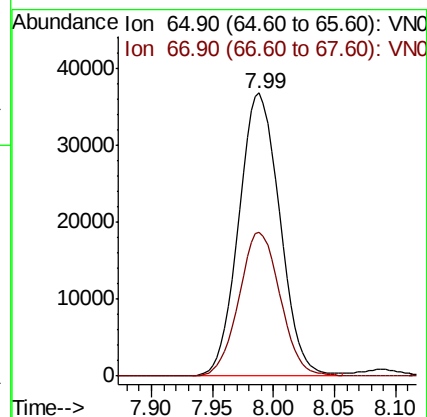
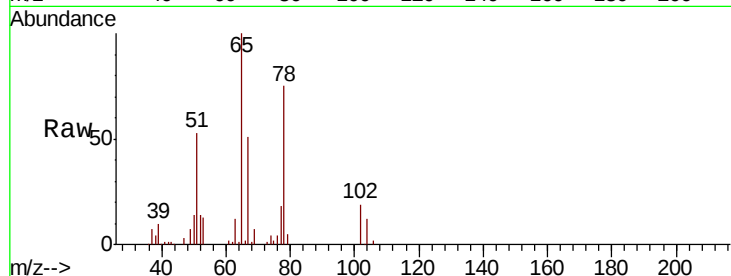
ClientSampleId :

Tot Ion: 65 Resp: 86212

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

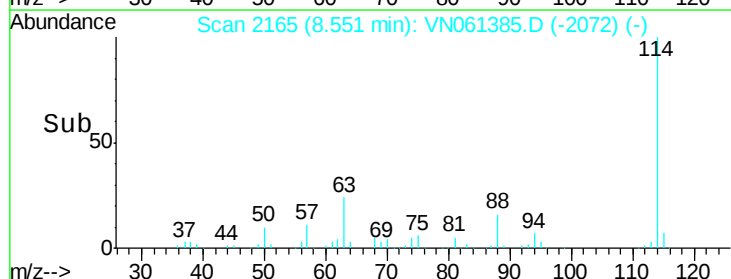
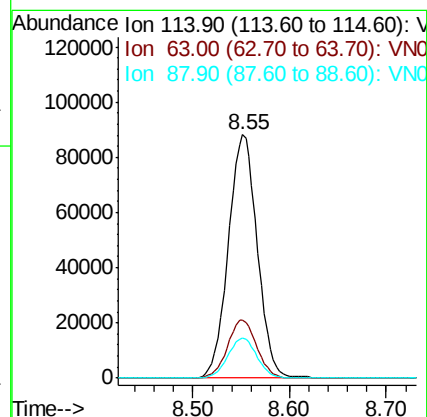
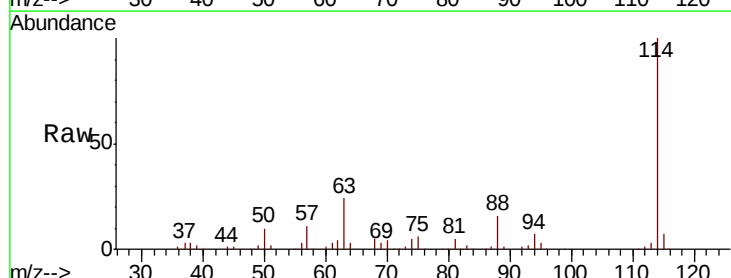
Tgt Ion: 114 Resp: 183258

Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.6

88 16.4 0.0 33.4

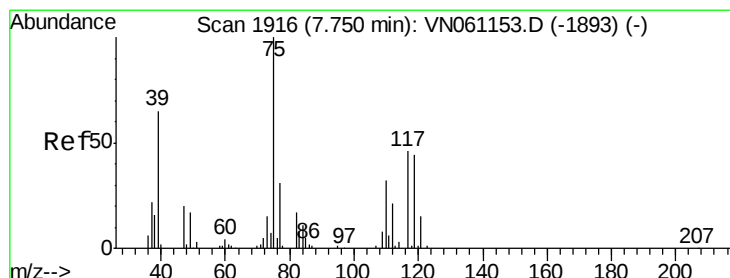
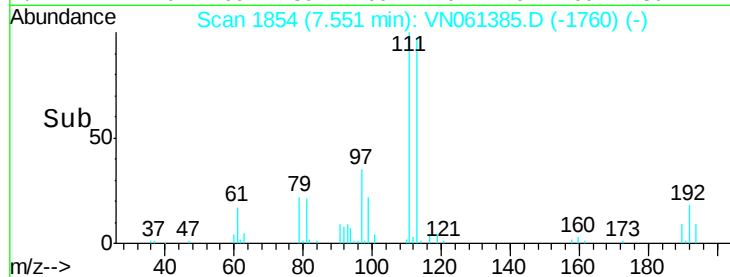
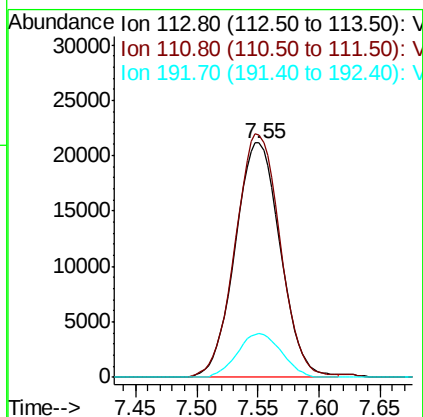
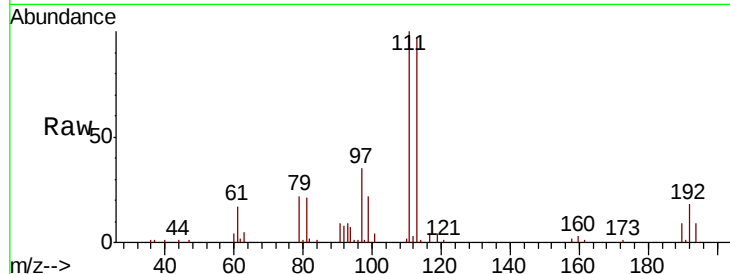




#35
 Dibromofluoromethane
 Concen: 50.125 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

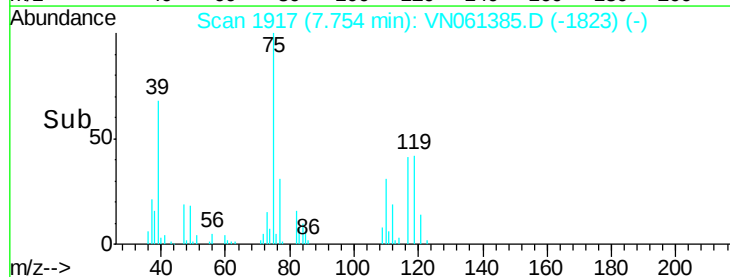
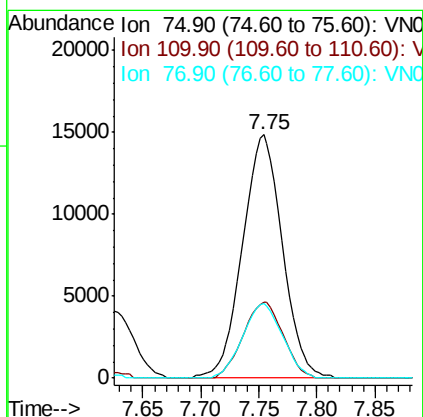
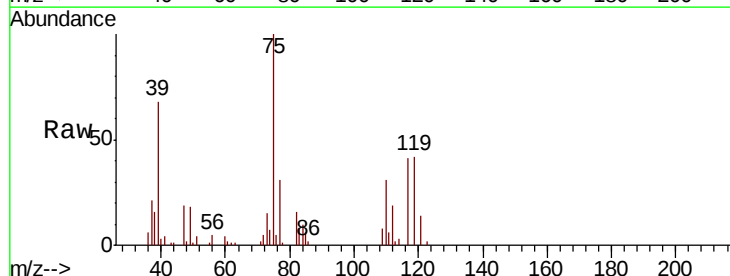
Instrument :
 MSVOA_N
 ClientSampleId :

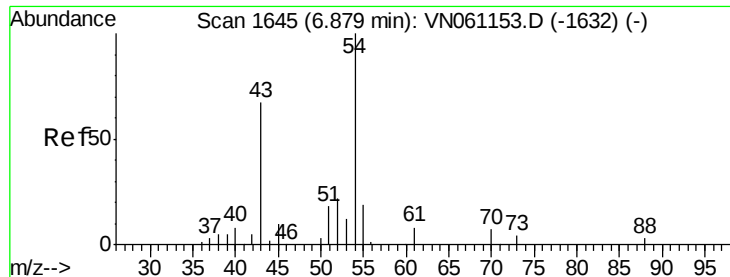
Tot Ion:113 Resp: 54318
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.9 124.3
 192 18.3 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 19.405 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion: 75 Resp: 35598
 Ion Ratio Lower Upper
 75 100
 110 31.2 16.0 48.0
 77 30.8 24.6 37.0

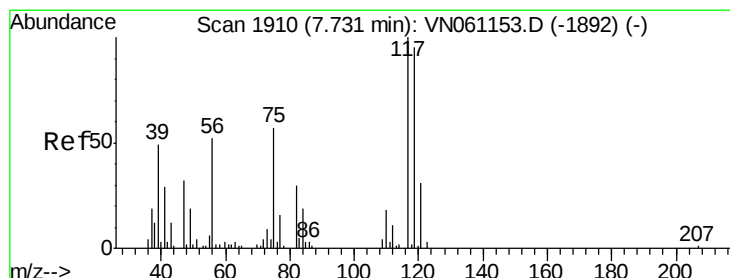
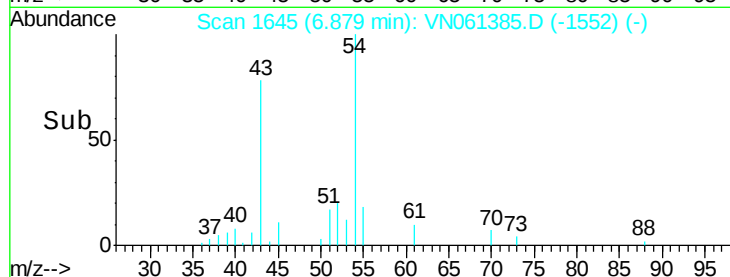
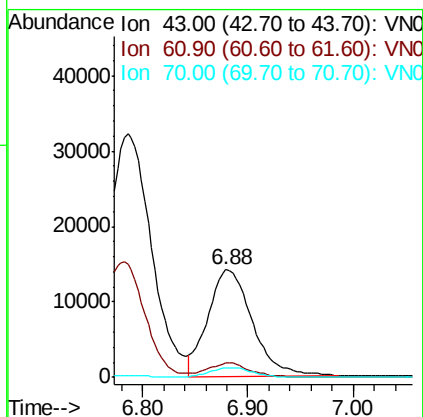
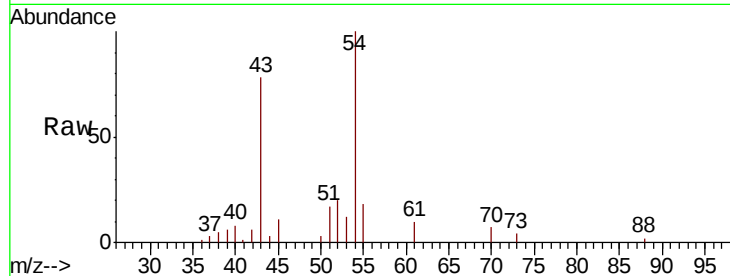




#37
Ethyl Acetate
Concen: 19.108 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

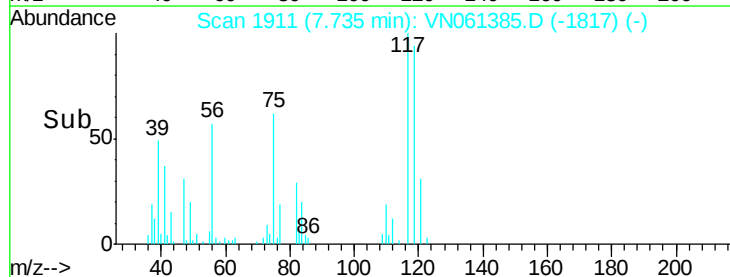
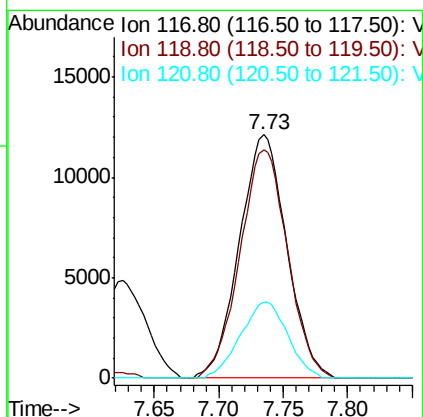
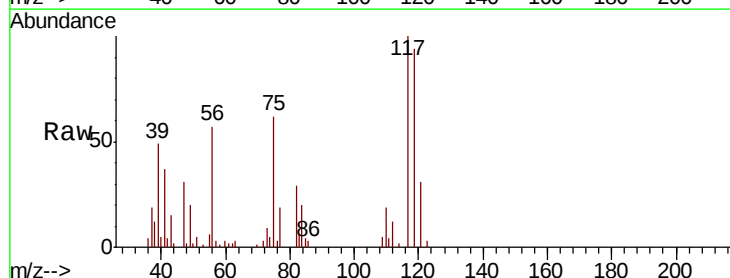
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 41094
Ion Ratio Lower Upper
43 100
61 12.6 10.2 15.2
70 8.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.956 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 117 Resp: 30991
Ion Ratio Lower Upper
117 100
119 93.8 75.8 113.6
121 31.4 24.7 37.1

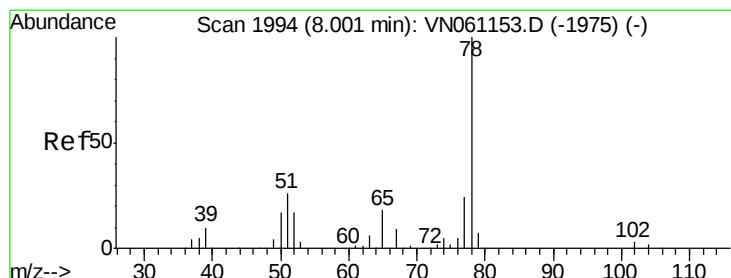
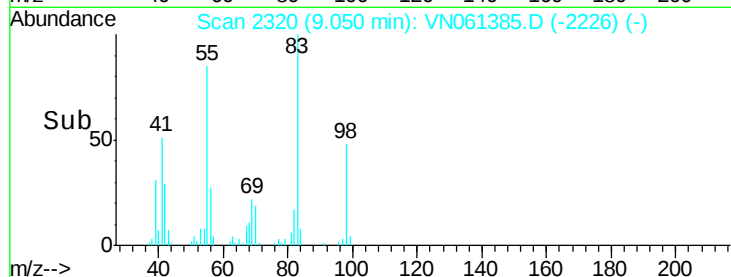
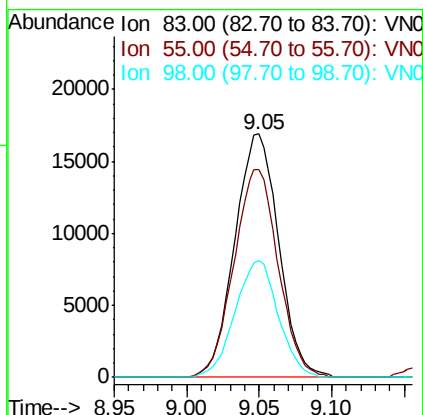
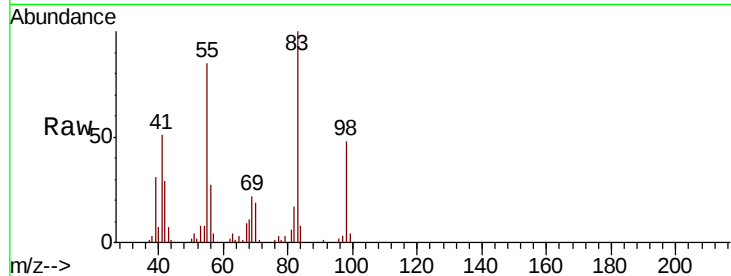




#39
Methvlcvclohexane
Concen: 17.308 ug/l
RT: 9.05 min Scan# 2320
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

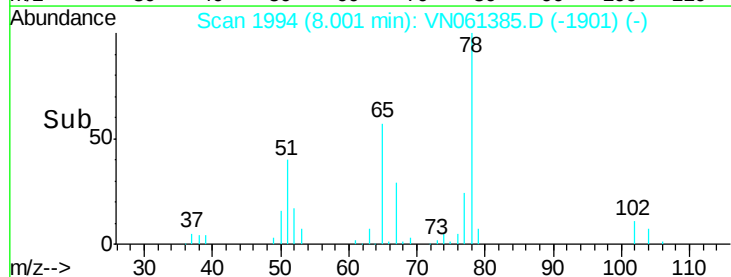
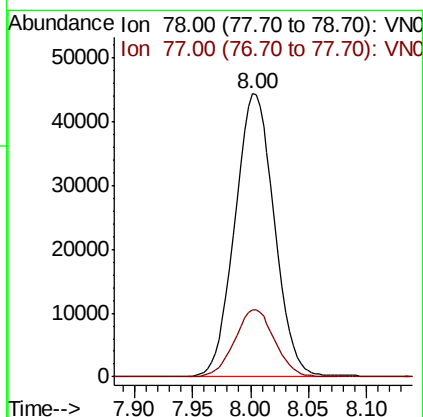
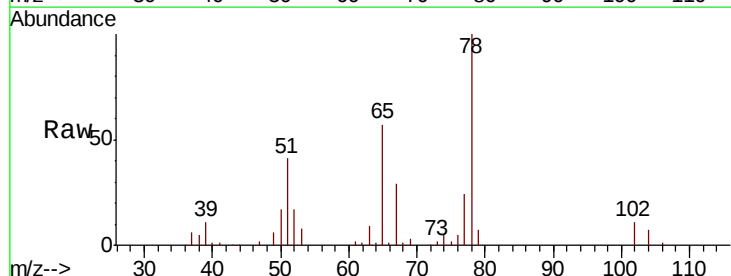
Instrument :
MSVOA_N
ClientSampled :

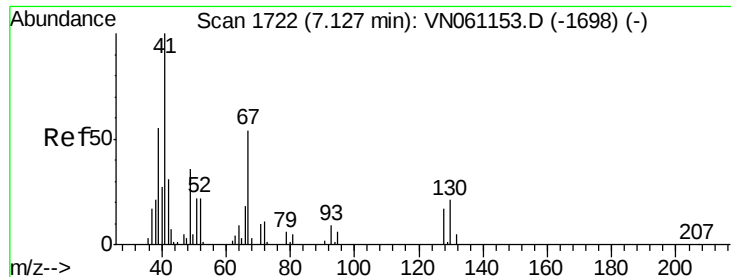
Tot Ion: 83 Resp: 35609
Ion Ratio Lower Upper
83 100
55 85.4 67.3 100.9
98 47.9 37.7 56.5



#40
Benzene
Concen: 19.185 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 78 Resp: 104856
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

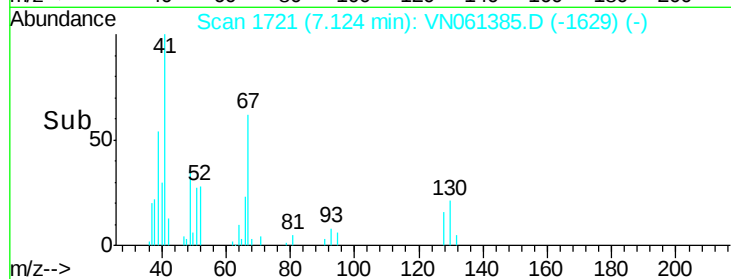
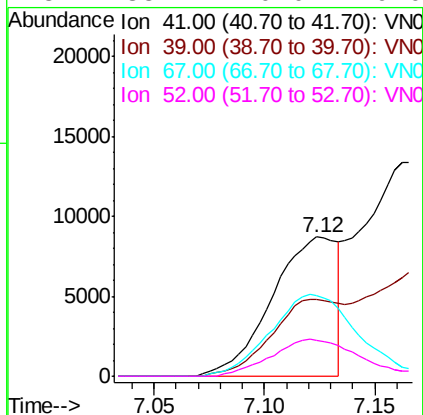
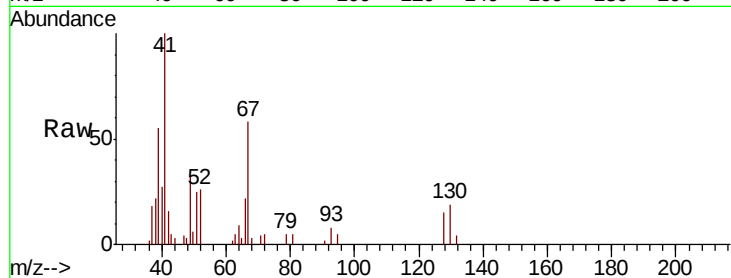




#41
Methacrylonitrile
Concen: 20.040 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

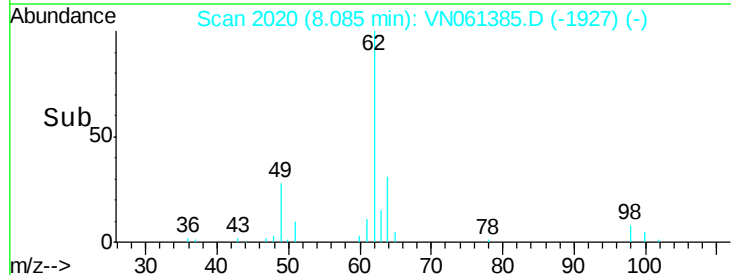
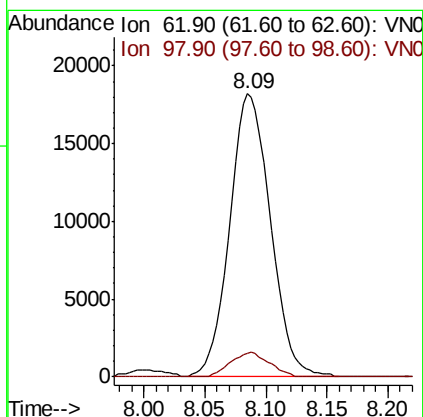
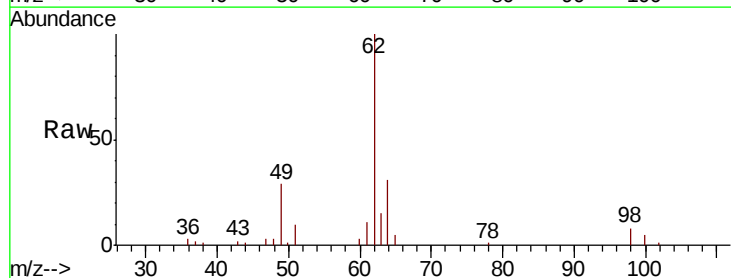
Instrument :
MSVOA_N
ClientSampled :

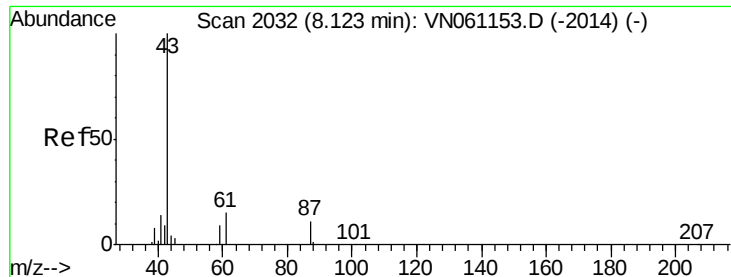
Tot Ion:	41	Resp:	17895
Ion	Ratio	Lower	Upper
41	100		
39	59.6	0.0	0.0#
67	78.6	0.0	0.0#
52	35.7	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 20.382 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion:	62	Resp:	42201
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.036 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

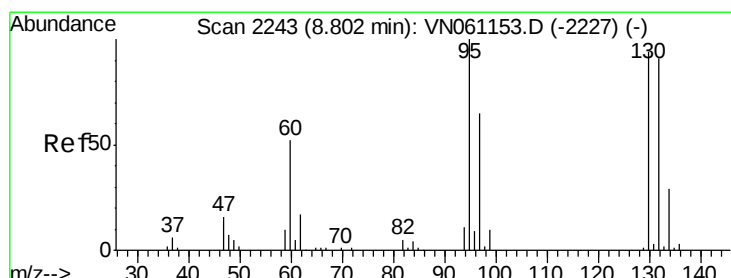
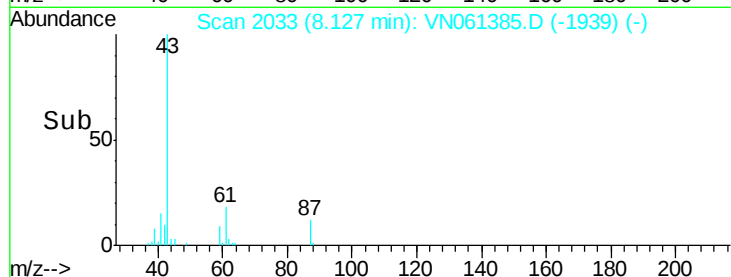
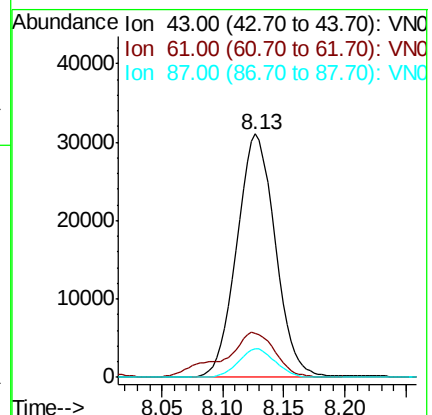
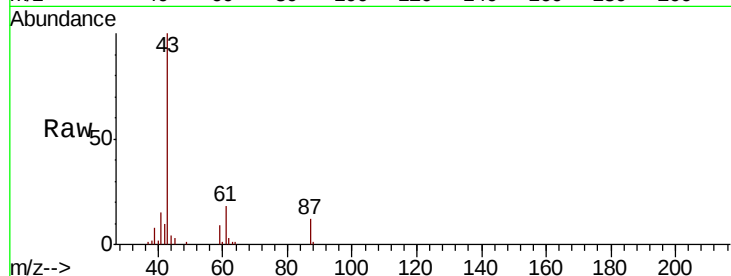
Tot Ion: 43 Resp: 67945

Ion Ratio Lower Upper

43 100

61 24.6 19.5 29.3

87 11.1 8.9 13.3



#44

Trichloroethene

Concen: 17.841 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061385.D

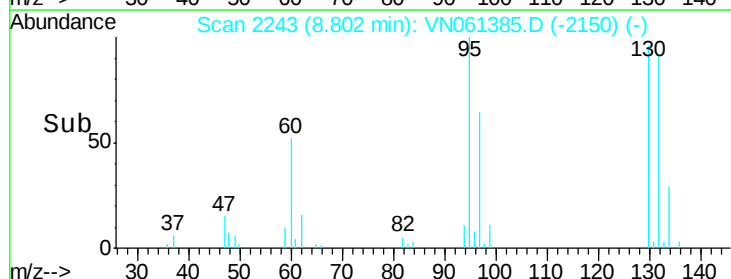
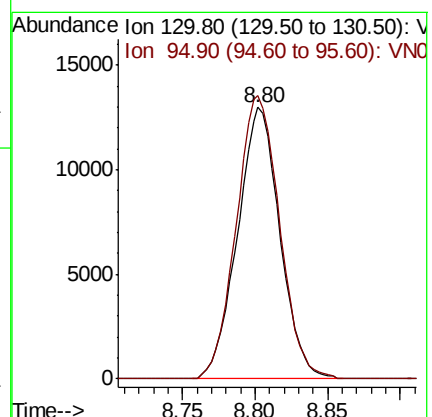
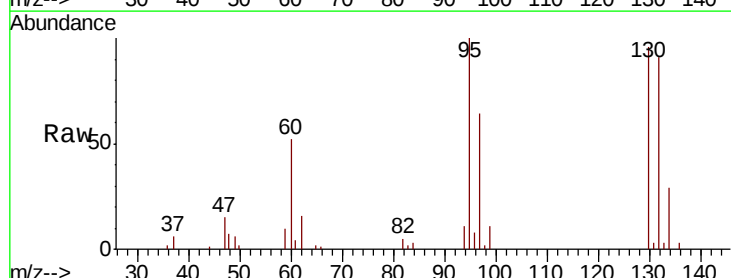
Acq: 11 May 2020 13:22

Tgt Ion: 130 Resp: 26360

Ion Ratio Lower Upper

130 100

95 104.3 0.0 212.4

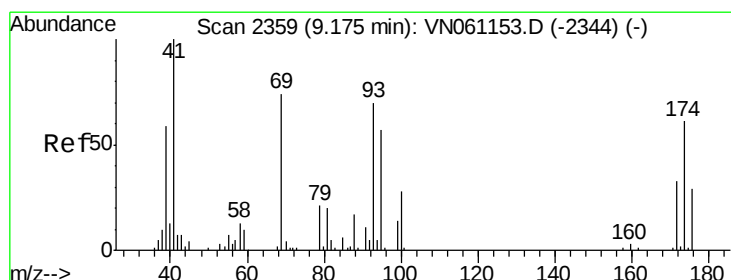
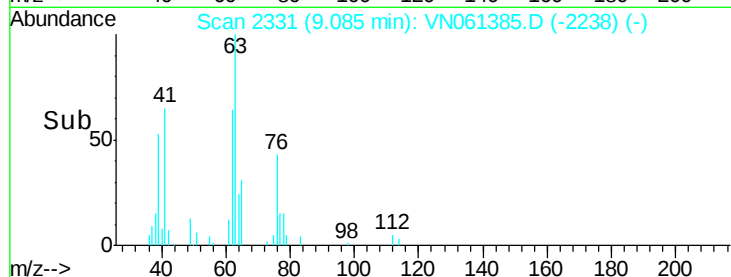
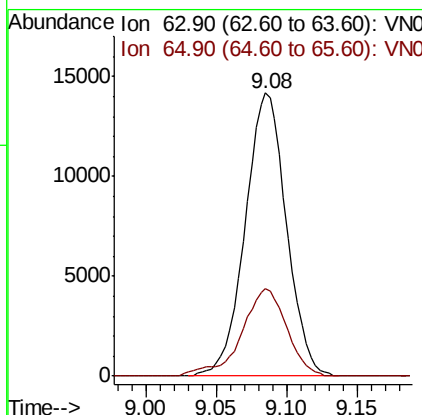
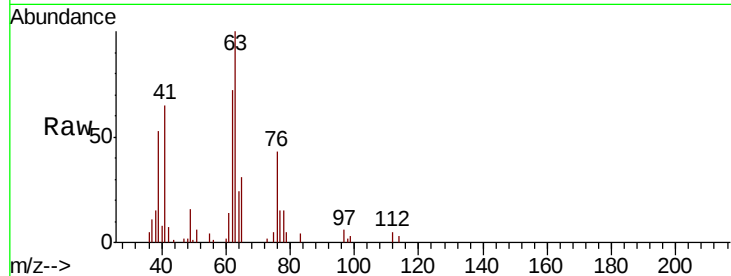




#45
 1,2-Dichloropropane
 Concen: 19.834 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

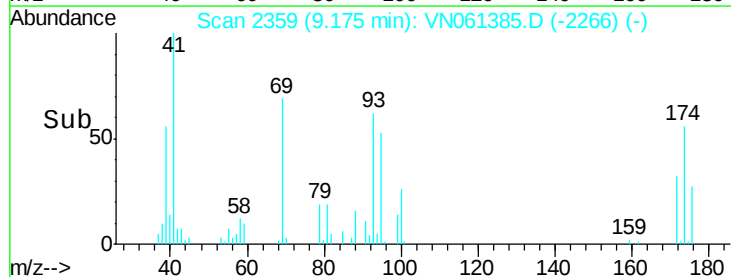
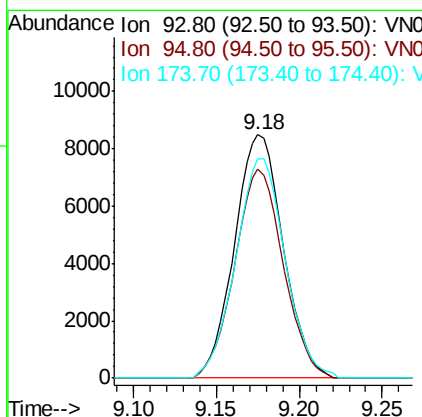
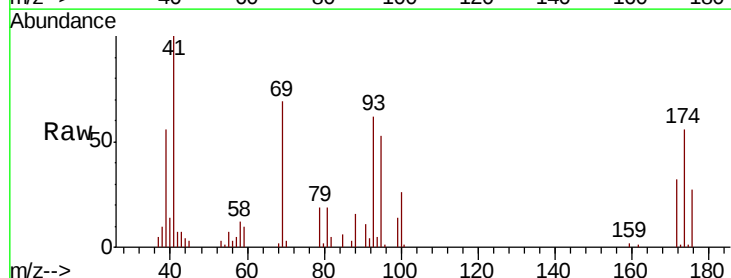
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 28960
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1



#46
 Dibromomethane
 Concen: 19.254 ug/l
 RT: 9.18 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion: 93 Resp: 17407
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.6 99.8
 174 91.2 70.2 105.2





#47

Bromodichloromethane

Concen: 19.727 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampled :

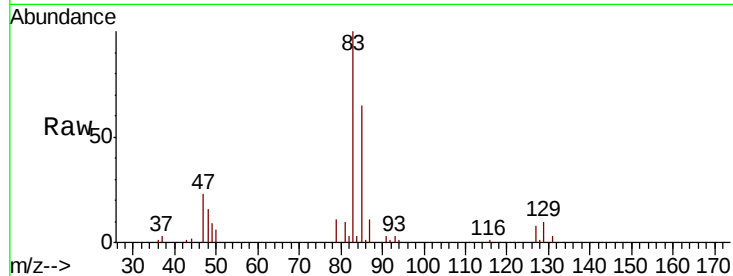
Tot Ion: 83 Resp: 38280

Ion Ratio Lower Upper

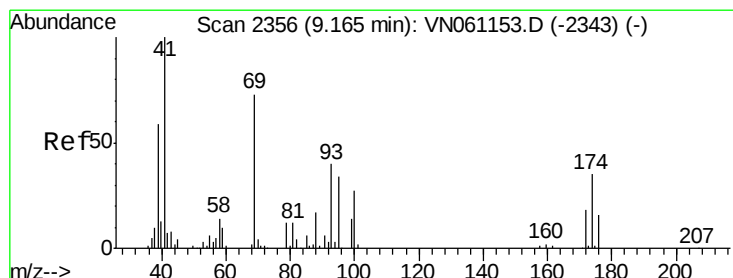
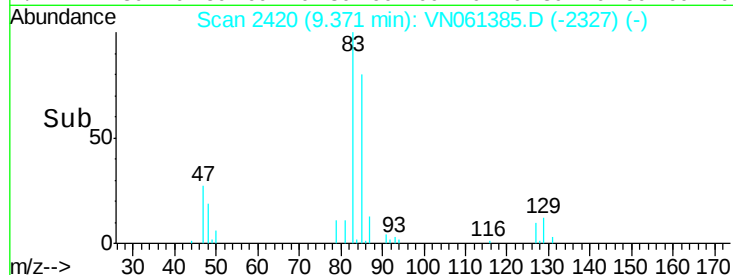
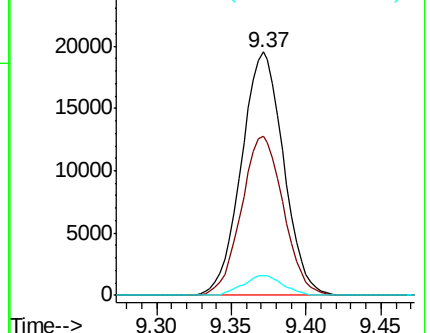
83 100

85 65.2 50.4 75.6

127 8.1 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.900 ug/l

RT: 9.17 min Scan# 2357

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

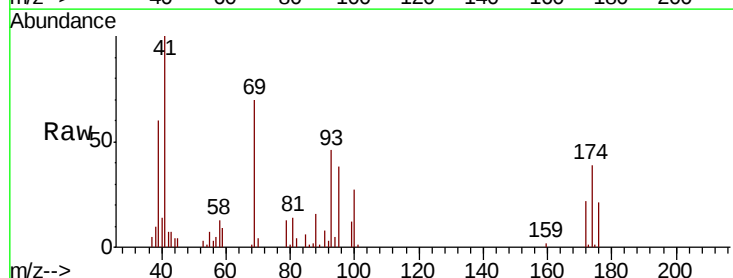
Tgt Ion: 41 Resp: 30441

Ion Ratio Lower Upper

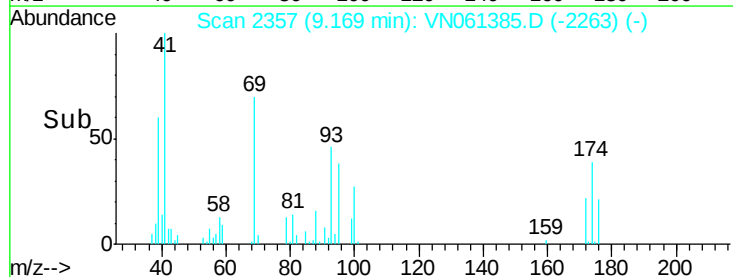
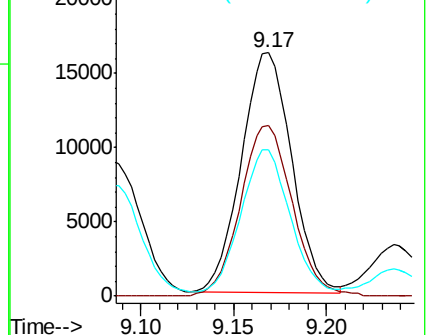
41 100

69 73.2 60.3 90.5

39 61.0 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

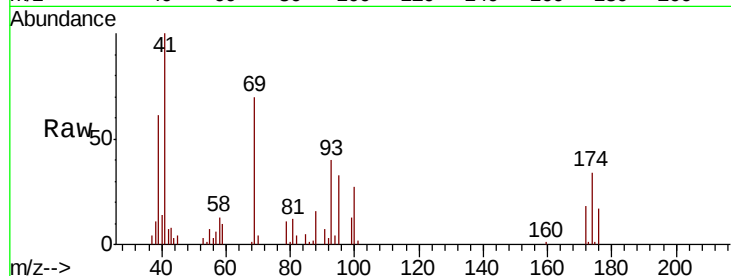




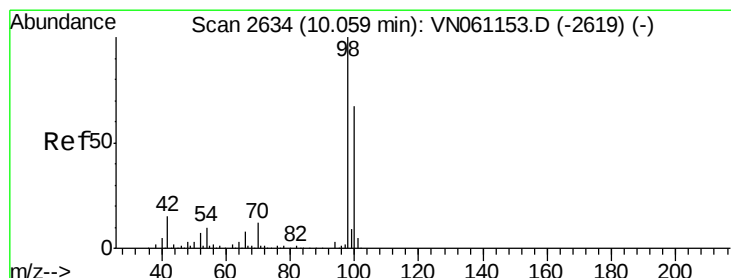
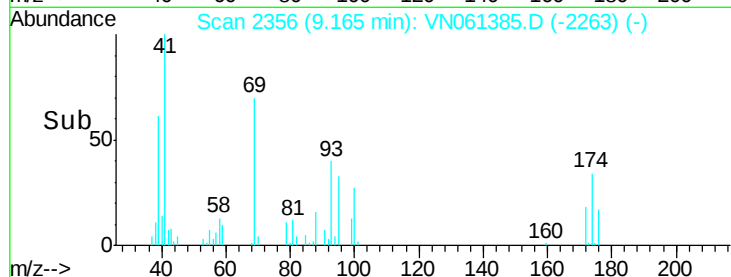
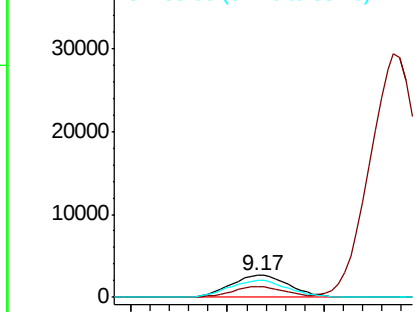
#49
1,4-Dioxane
Concen: 304.060 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 5559
Ion Ratio Lower Upper
88 100
43 44.4 35.3 52.9
58 77.0 61.5 92.3

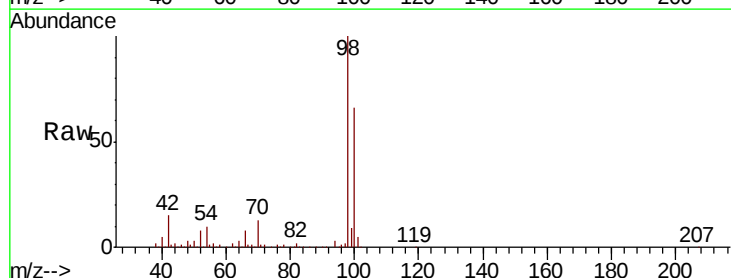


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

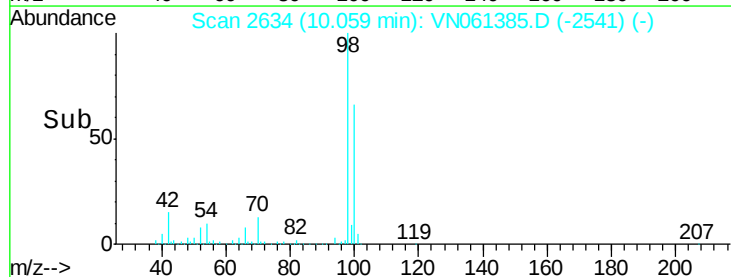
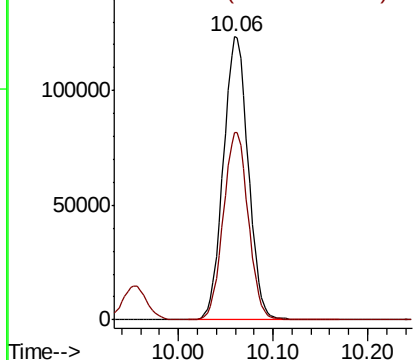


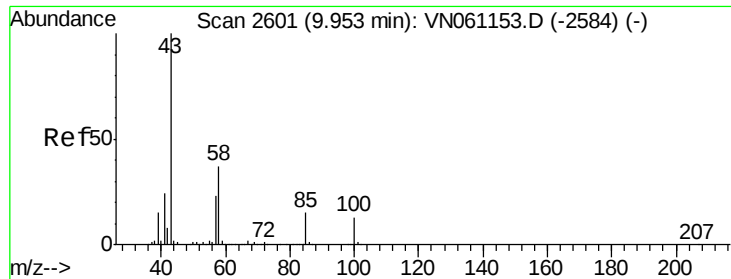
#50
Toluene-d8
Concen: 51.223 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 98 Resp: 226279
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 97.965 ug/l

RT: 9.95 min Scan# 2601

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

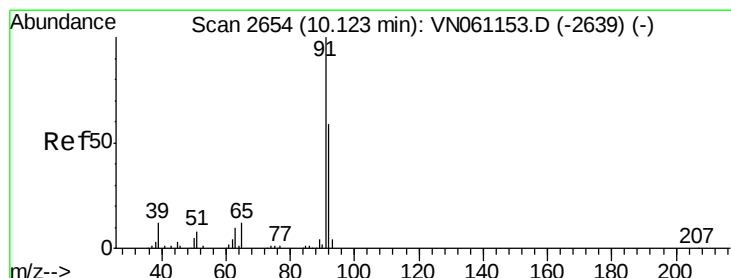
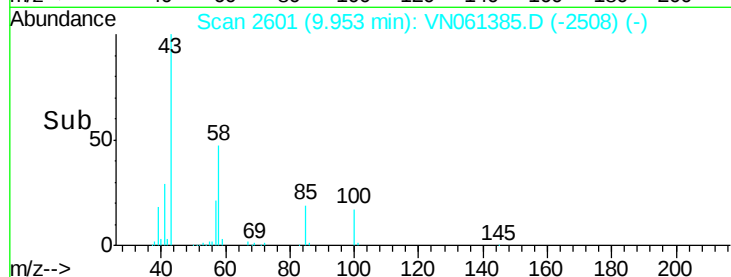
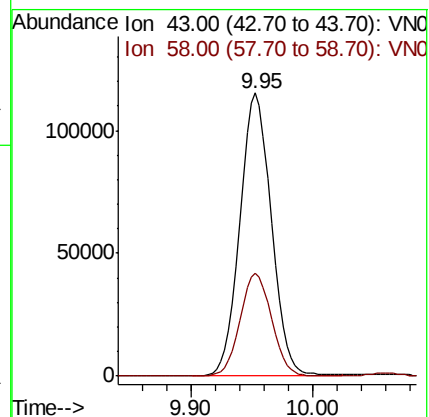
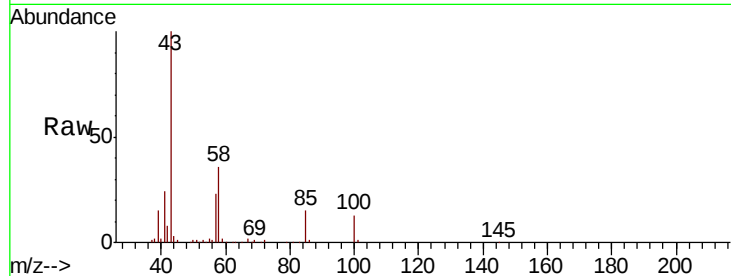
ClientSampleId :

Tot Ion: 43 Resp: 205816

Ion Ratio Lower Upper

43 100

58 36.4 29.1 43.7



#52

Toluene

Concen: 19.373 ug/l

RT: 10.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VN061385.D

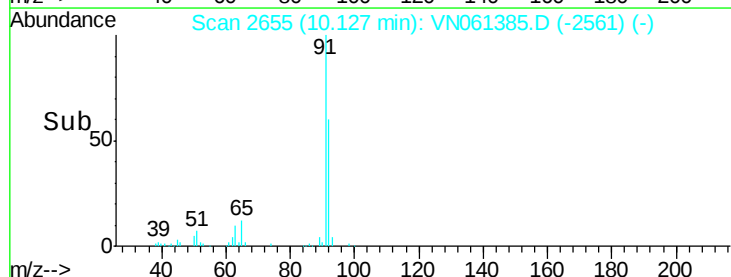
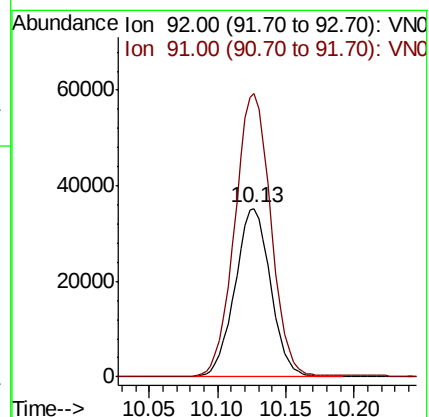
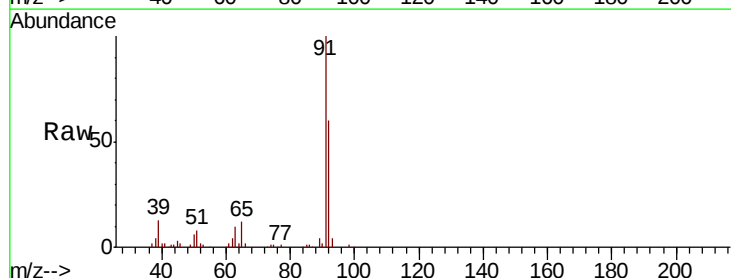
Acq: 11 May 2020 13:22

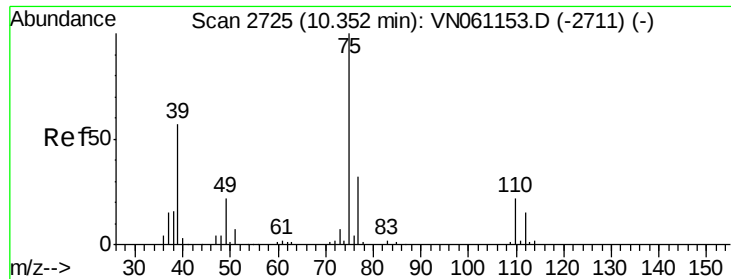
Tgt Ion: 92 Resp: 63776

Ion Ratio Lower Upper

92 100

91 169.7 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 19.441 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

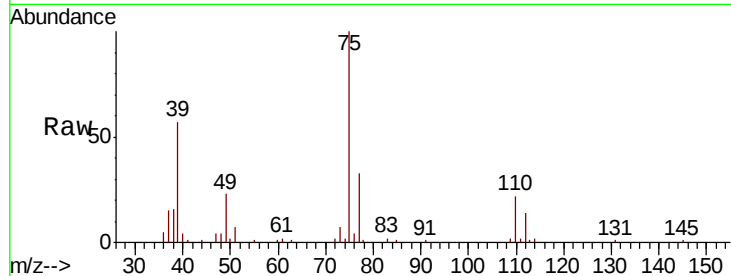
ClientSampled :

Tot Ion: 75 Resp: 42508

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

25000

20000

15000

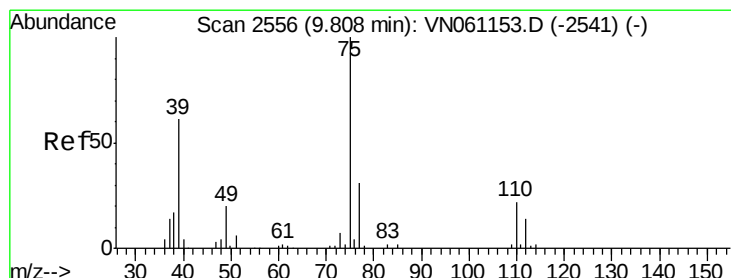
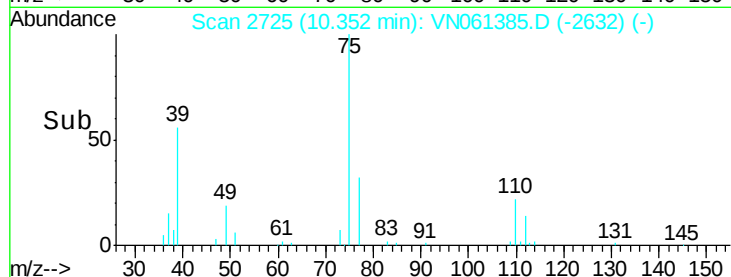
10000

5000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.739 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

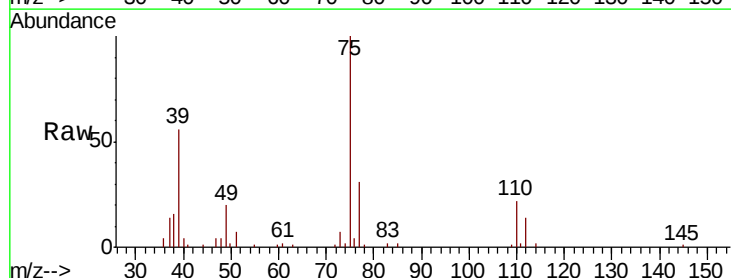
Tgt Ion: 75 Resp: 45629

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4

39 56.1 48.7 73.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

30000

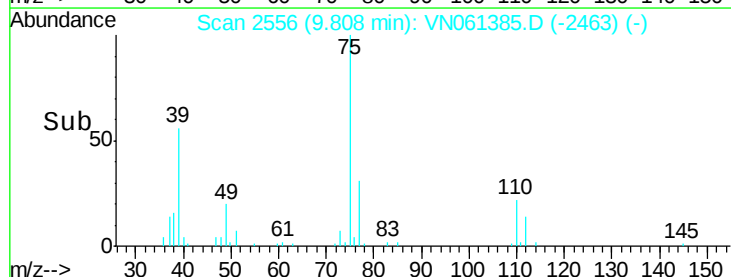
20000

10000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 19.942 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 26186

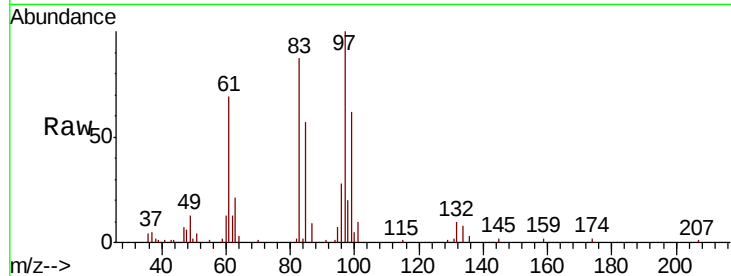
Ion Ratio Lower Upper

97 100

83 86.9 70.6 106.0

85 57.2 46.4 69.6

99 62.0 50.6 75.8

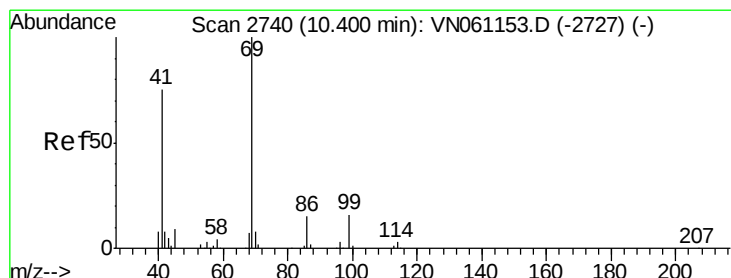
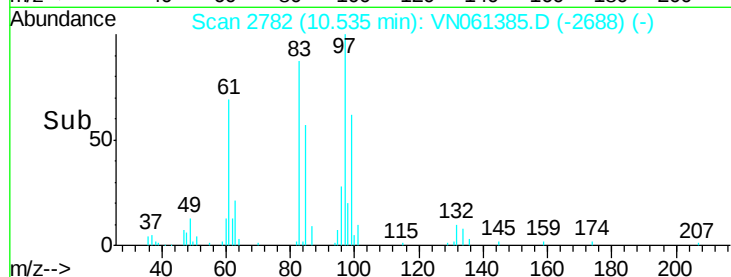
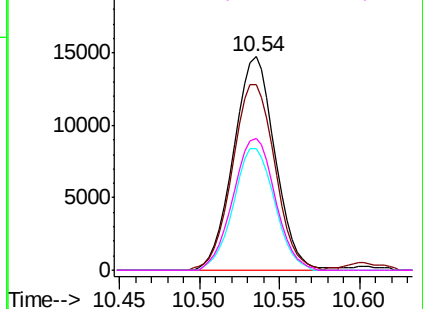


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.167 ug/l

RT: 10.40 min Scan# 2740

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

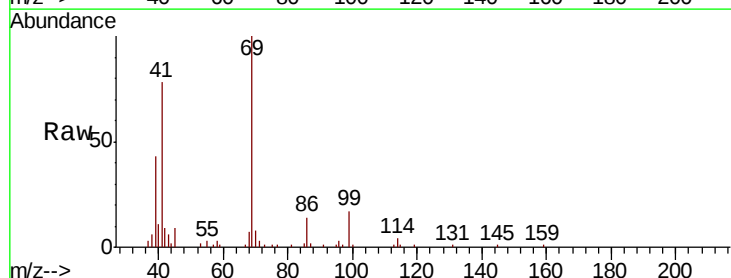
Tgt Ion: 69 Resp: 39788

Ion Ratio Lower Upper

69 100

41 76.3 60.3 90.5

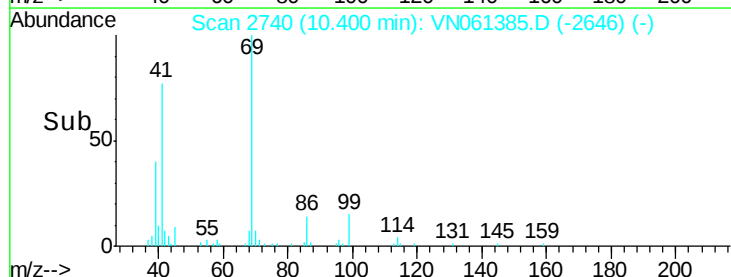
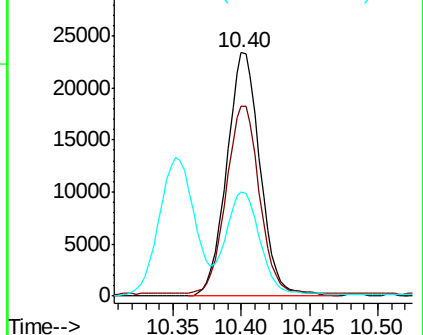
39 43.5 35.9 53.9

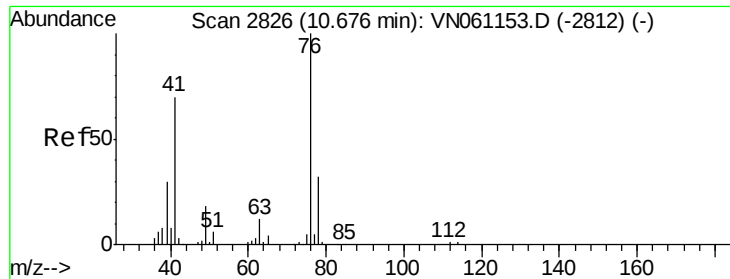


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.000 ug/l

RT: 10.68 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

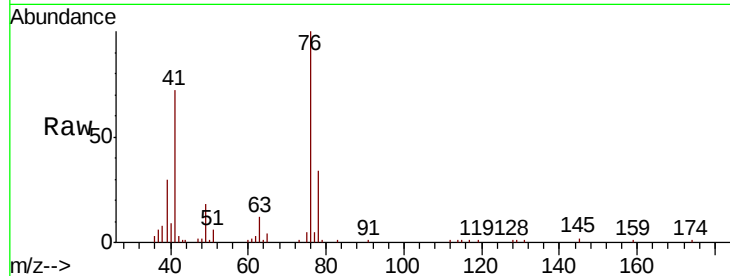
ClientSampled :

Tot Ion: 76 Resp: 46162

Ion Ratio Lower Upper

76 100

78 33.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

25000

20000

15000

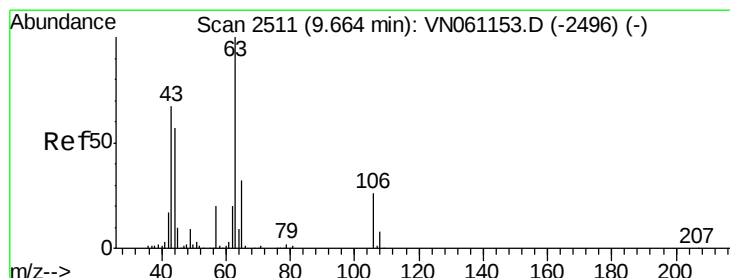
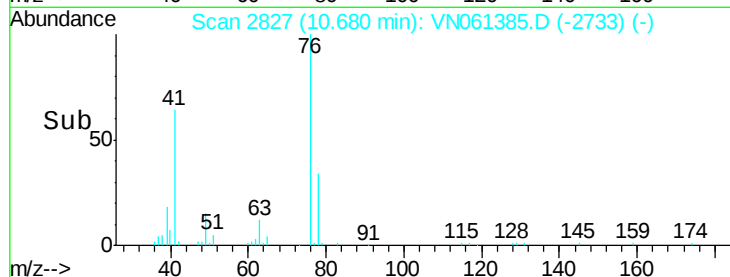
10000

5000

0

Time-->

10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 94.249 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061385.D

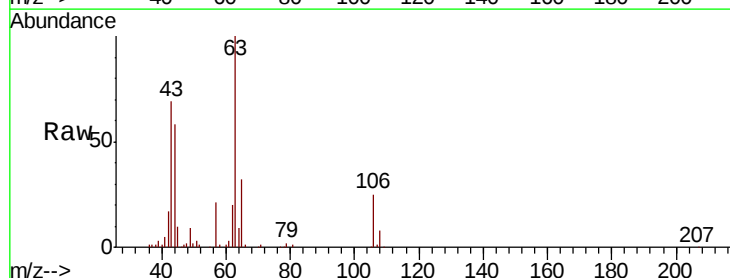
Acq: 11 May 2020 13:22

Tgt Ion: 63 Resp: 100174

Ion Ratio Lower Upper

63 100

106 25.3 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

60000

50000

40000

30000

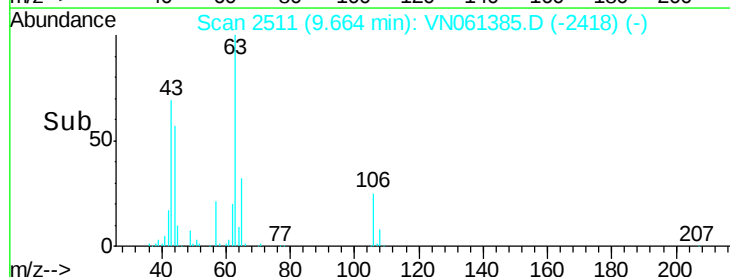
20000

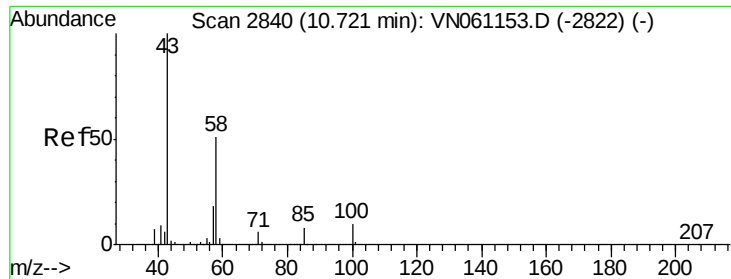
10000

0

Time-->

9.60 9.70 9.80

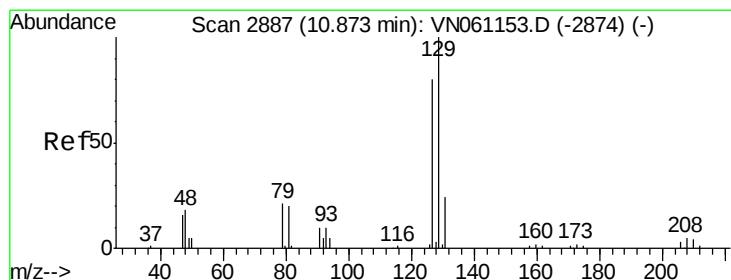
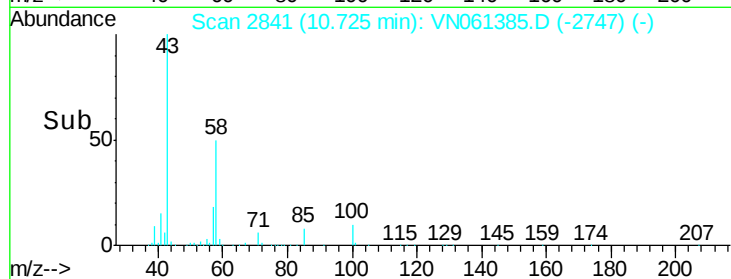
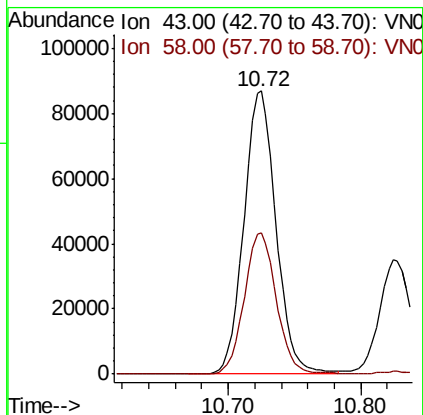
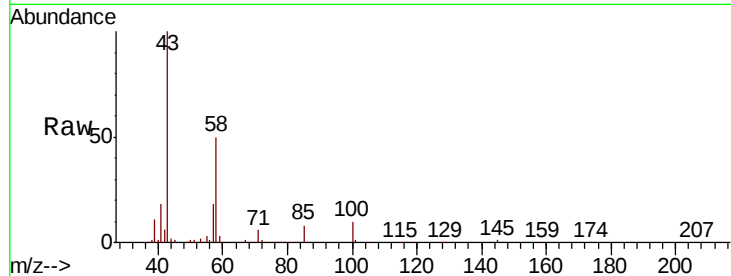




#59
2-Hexanone
Concen: 95.562 ug/l
RT: 10.72 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

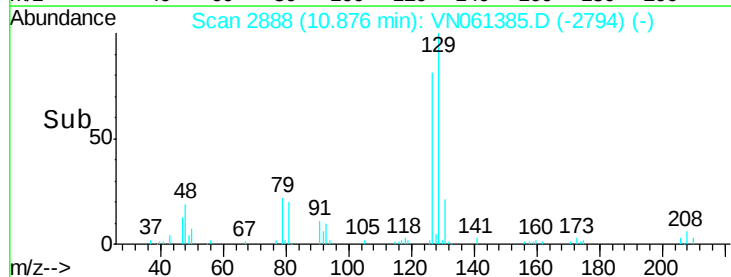
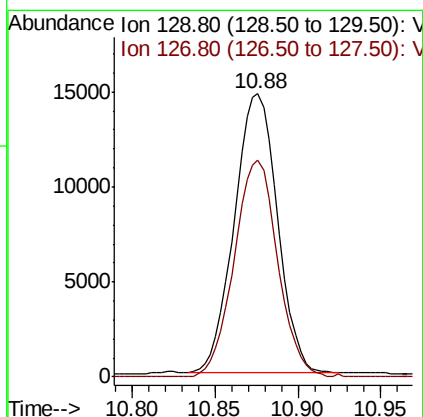
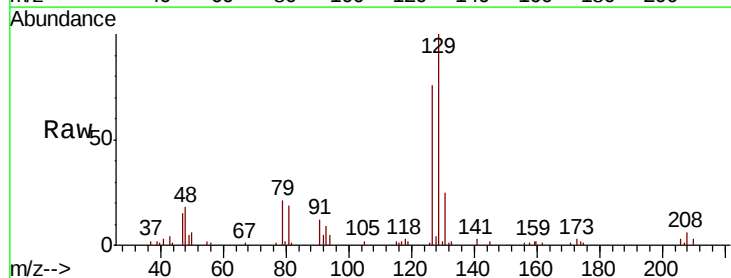
Instrument :
MSVOA_N
ClientSampled :

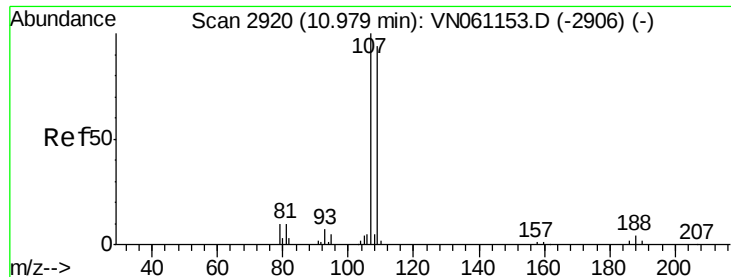
Tot Ion: 43 Resp: 146062
Ion Ratio Lower Upper
43 100
58 50.0 25.4 76.4



#60
Dibromochloromethane
Concen: 19.383 ug/l
RT: 10.88 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 129 Resp: 26657
Ion Ratio Lower Upper
129 100
127 77.9 39.3 117.8

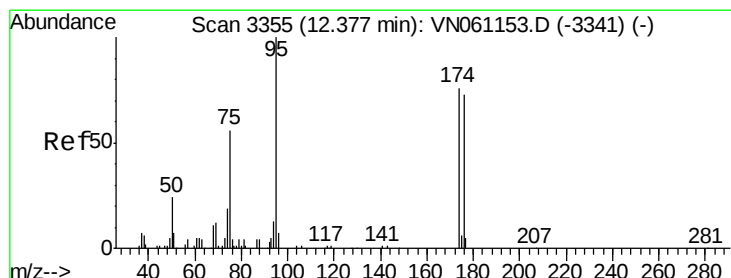
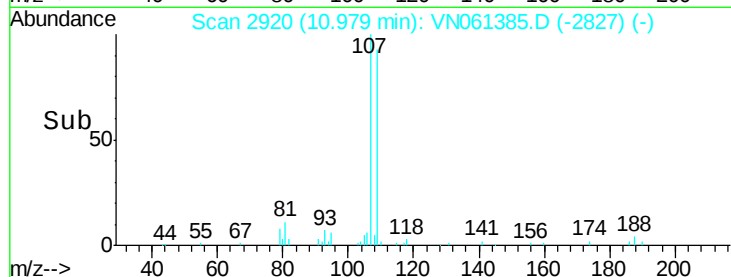
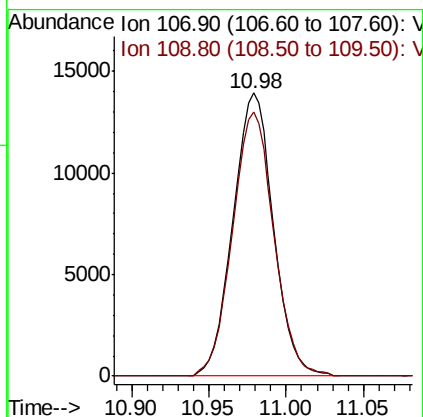
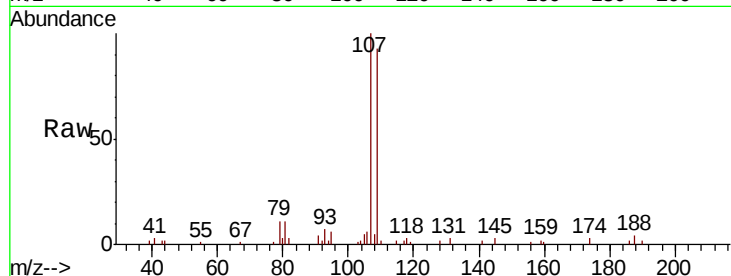




#61
 1,2-Dibromoethane
 Concen: 19.173 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

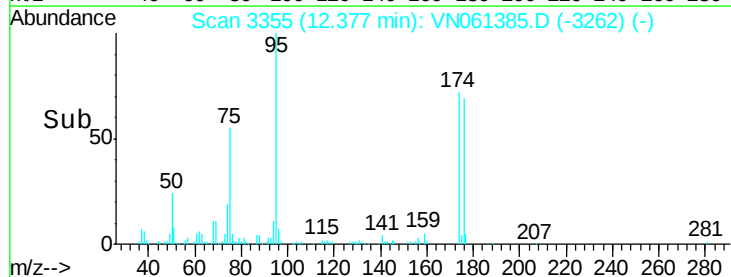
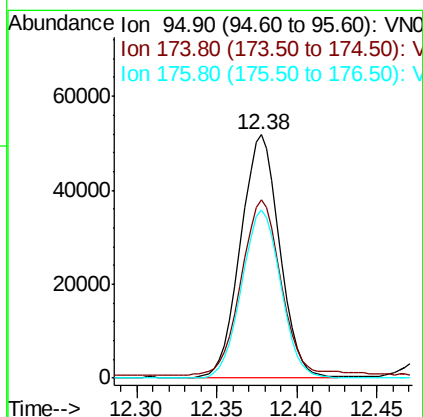
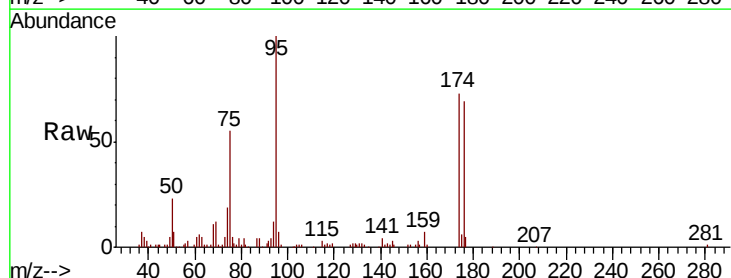
Instrument :
 MSVOA_N
 ClientSampleId :

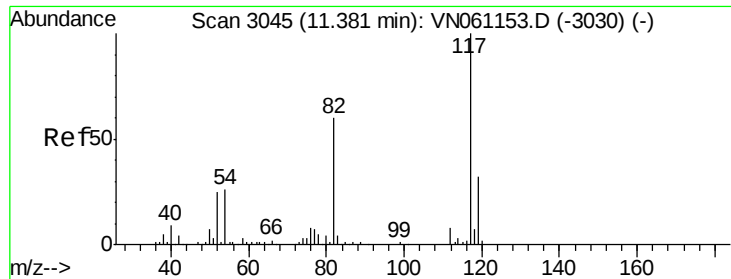
Tot Ion:107 Resp: 25234
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.313 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion: 95 Resp: 85302
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 149.4
 176 70.0 0.0 144.8

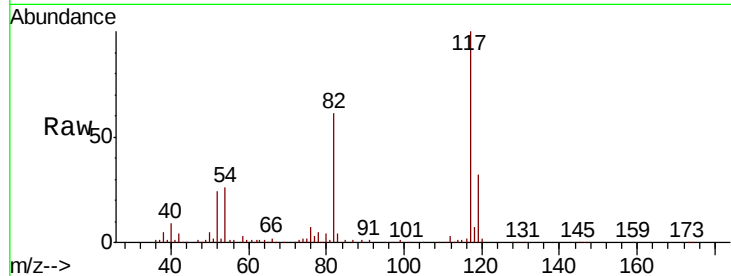




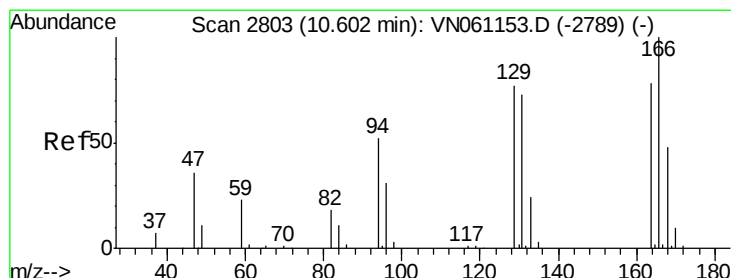
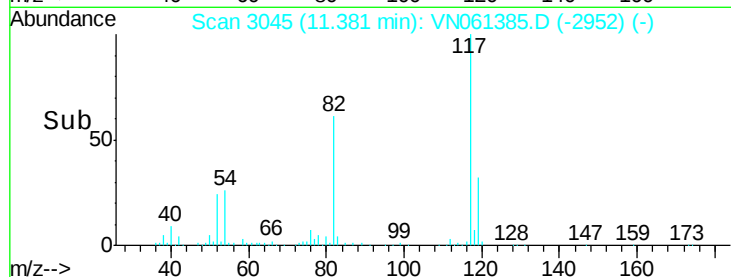
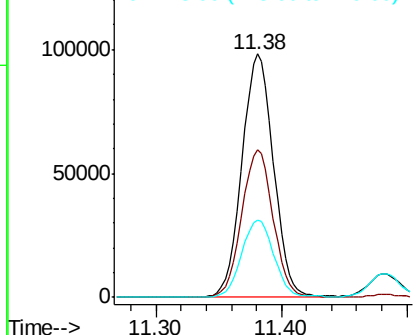
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 172291
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 31.8 25.8 38.6

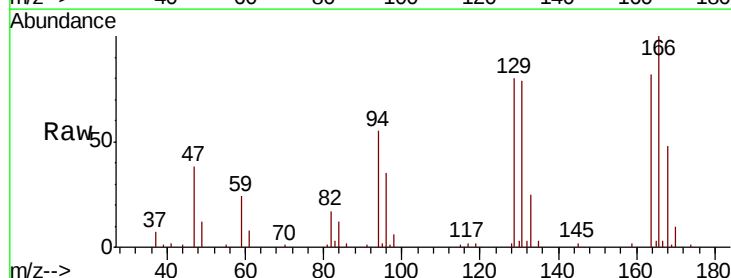


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

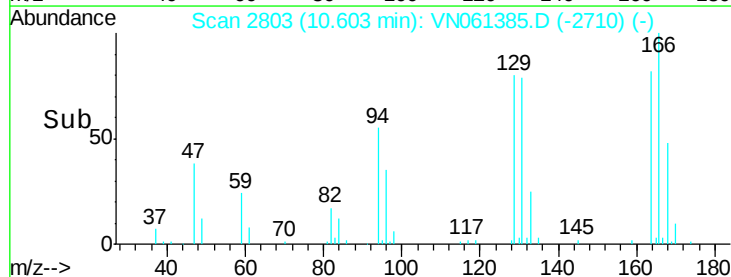
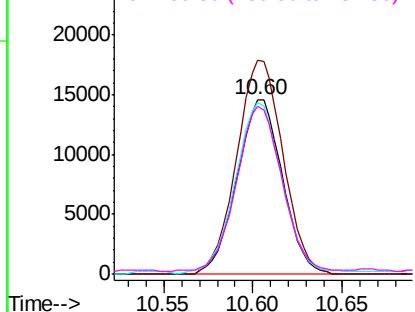


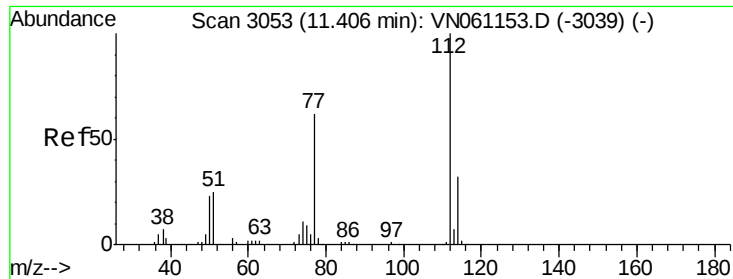
#64
Tetrachloroethene
Concen: 17.389 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion:164 Resp: 25948
Ion Ratio Lower Upper
164 100
166 122.2 102.0 153.0
129 96.7 78.2 117.2
131 93.9 74.5 111.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.353 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

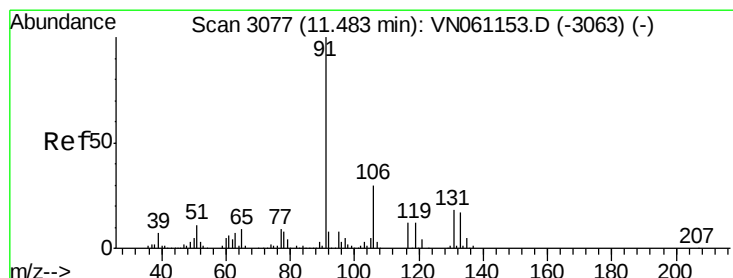
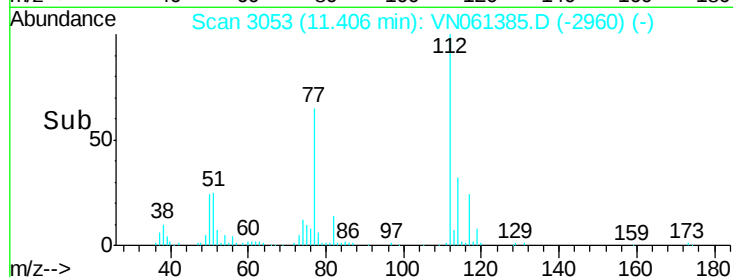
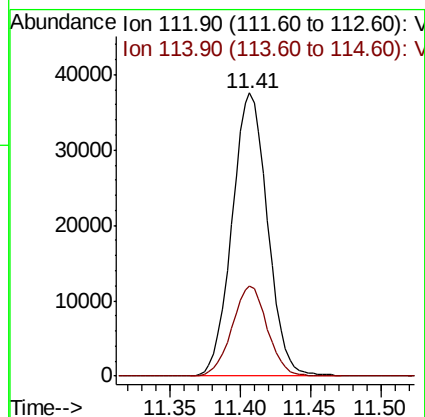
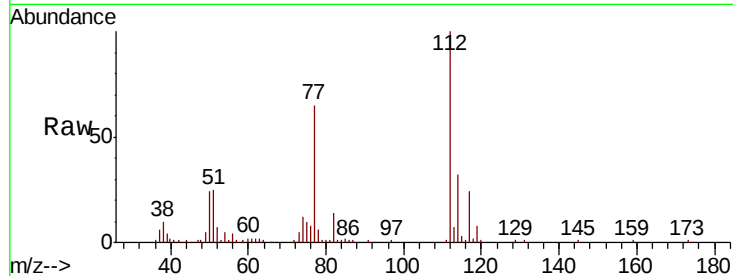
ClientSampleId :

Tot Ion:112 Resp: 66144

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 19.762 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

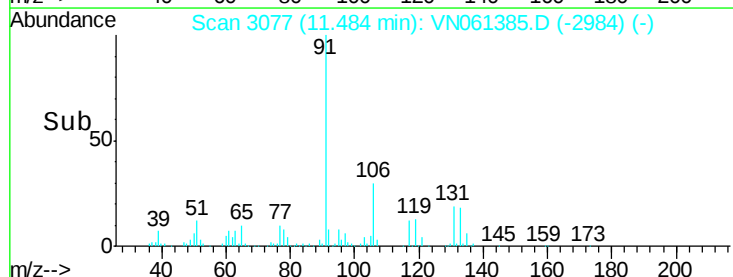
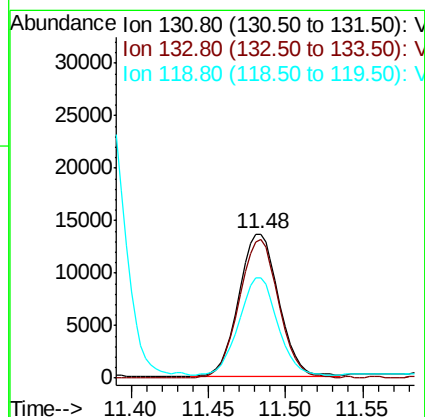
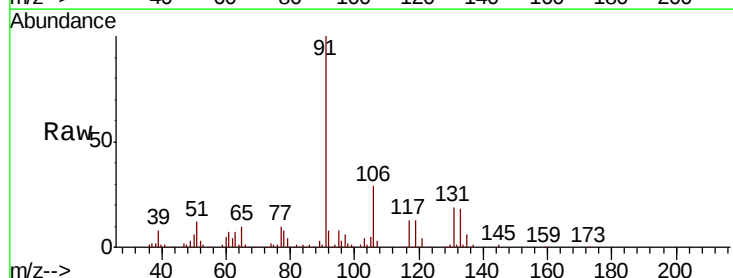
Tgt Ion:131 Resp: 24173

Ion Ratio Lower Upper

131 100

133 97.7 48.0 144.2

119 68.1 32.6 97.8

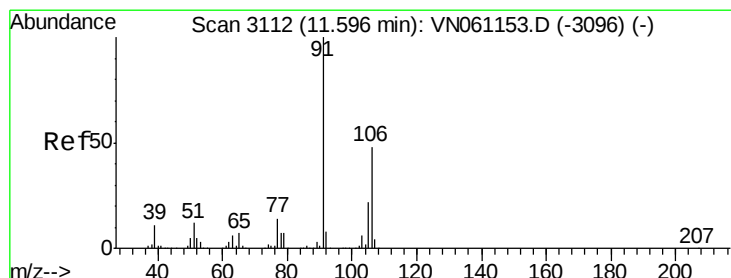
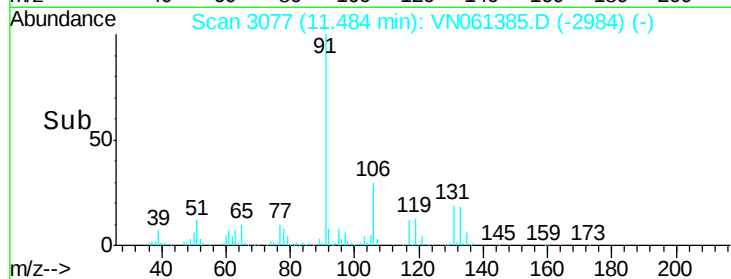
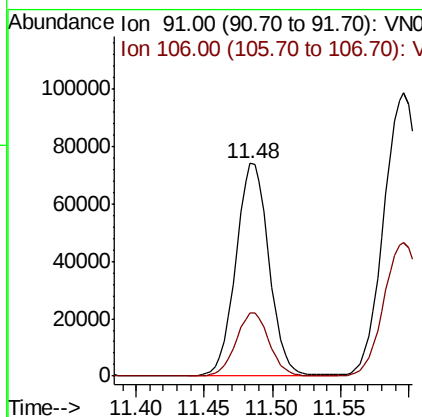
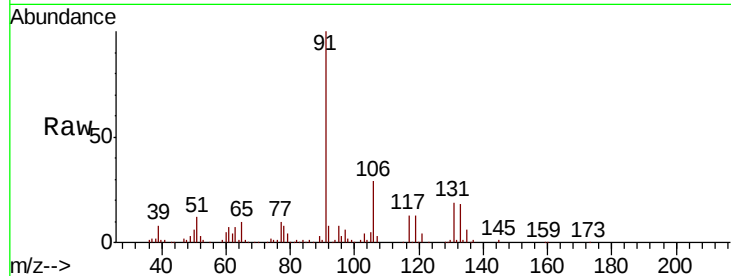




#67
Ethyl Benzene
Concen: 19.388 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

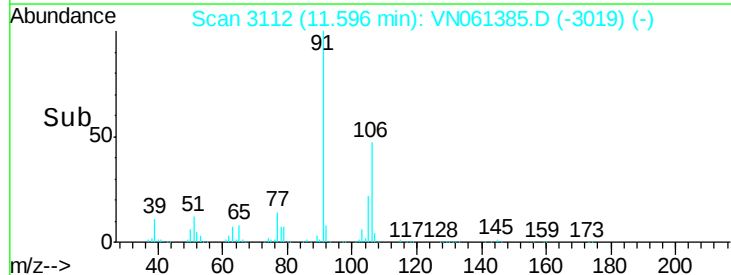
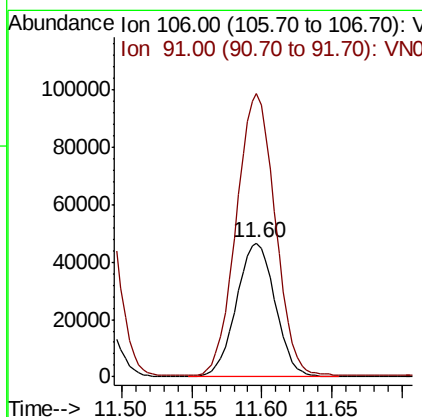
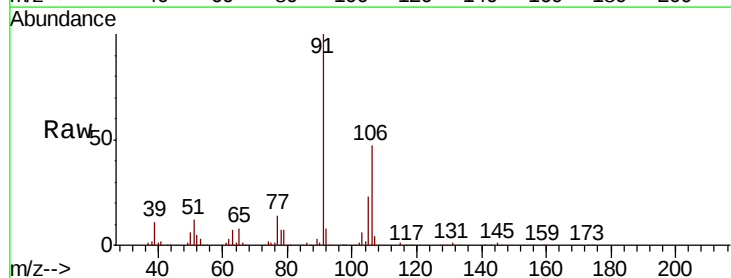
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 124040
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



#68
m/p-Xylenes
Concen: 38.098 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 106 Resp: 89219
Ion Ratio Lower Upper
106 100
91 212.1 166.4 249.6

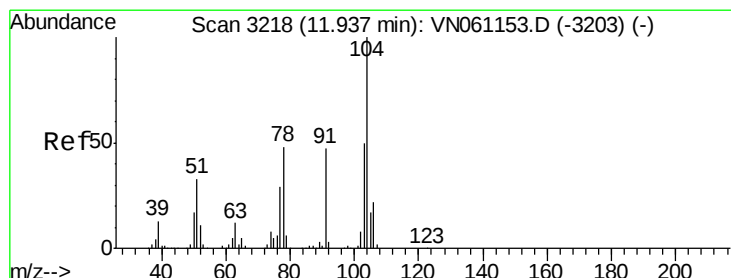
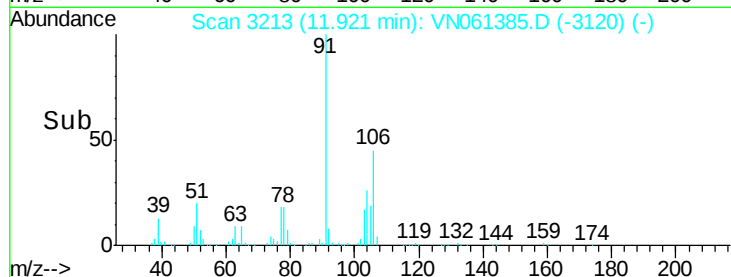
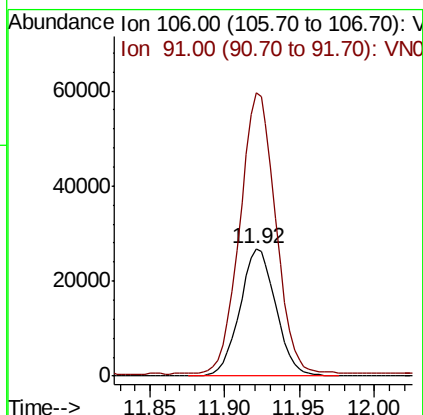
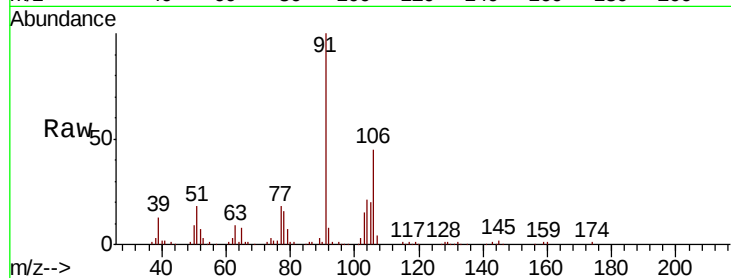




#69
o-Xylene
Concen: 19.970 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

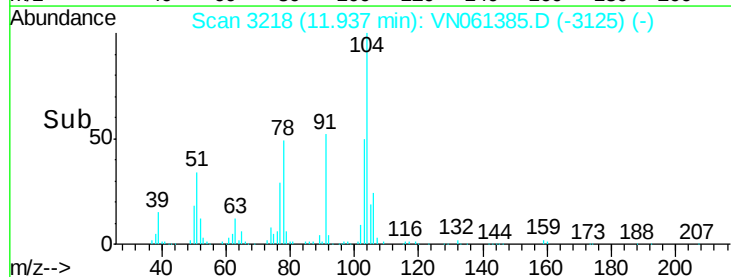
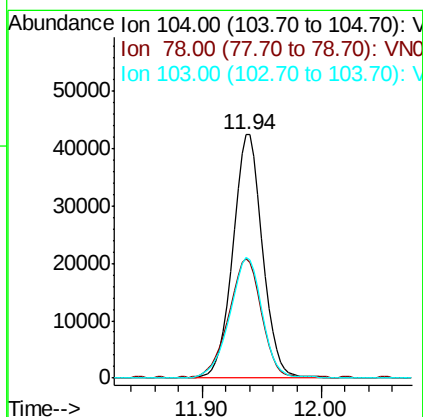
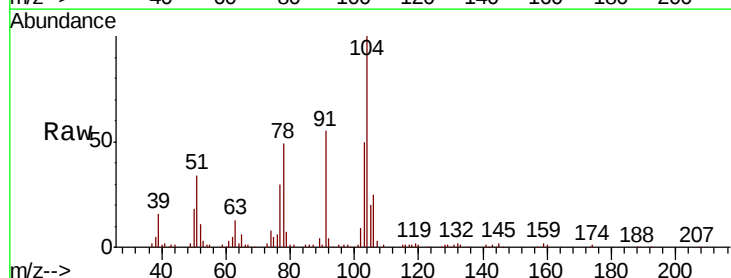
Instrument :
MSVOA_N
ClientSampled :

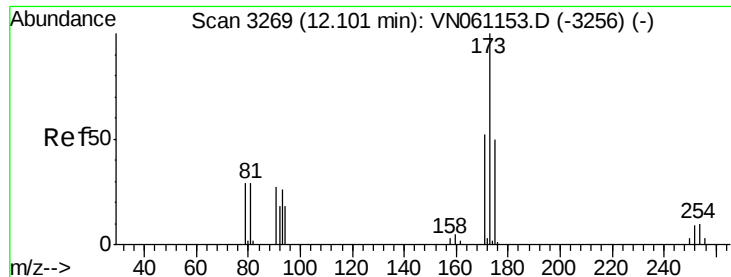
Tot Ion:106 Resp: 44921
Ion Ratio Lower Upper
106 100
91 218.3 109.7 329.0



#70
Styrene
Concen: 19.490 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion:104 Resp: 73379
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 54.3 43.3 64.9





#71

Bromoform

Concen: 18.761 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

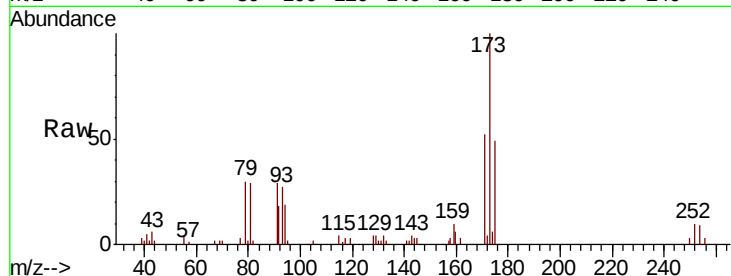
Tot Ion:173 Resp: 16866

Ion Ratio Lower Upper

173 100

175 53.2 24.1 72.4

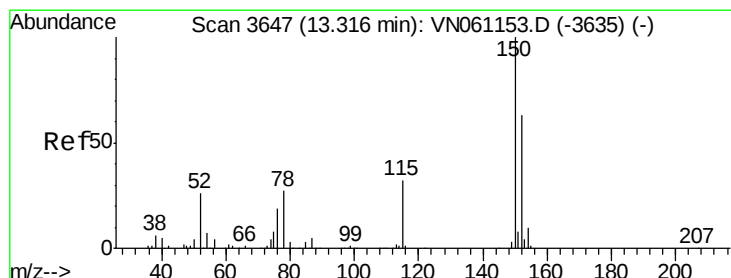
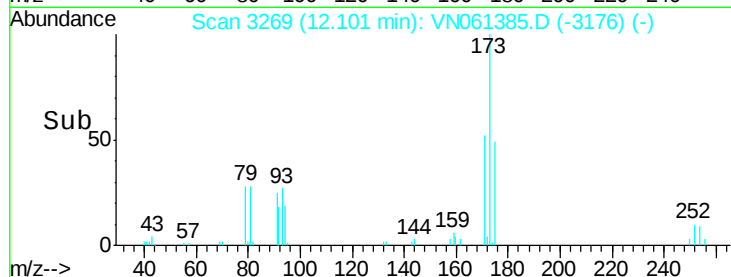
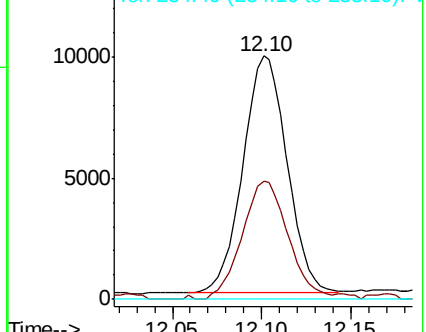
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

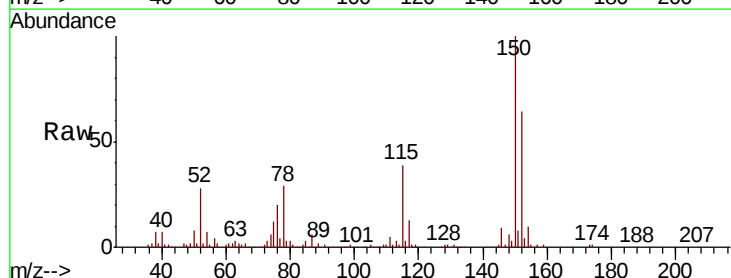
Tgt Ion:152 Resp: 80237

Ion Ratio Lower Upper

152 100

115 61.3 31.0 93.0

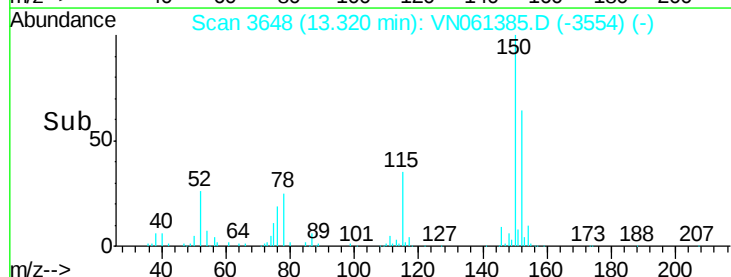
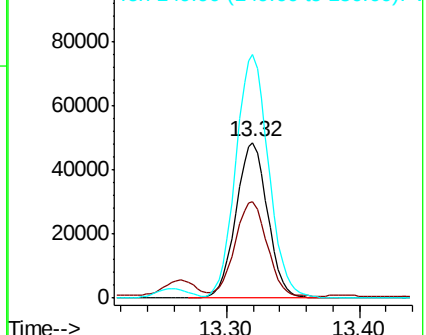
150 163.3 0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.174 ug/l

RT: 12.23 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

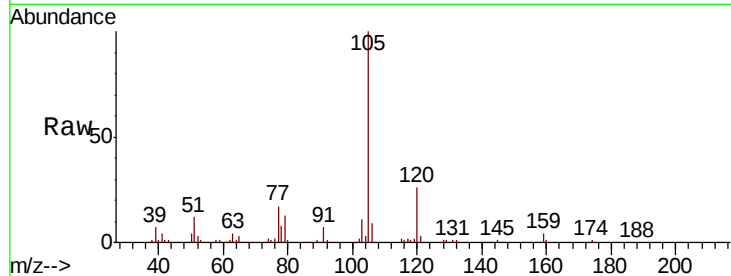
ClientSampleId :

Tot Ion:105 Resp: 118999

Ion Ratio Lower Upper

105 100

120 26.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

20000

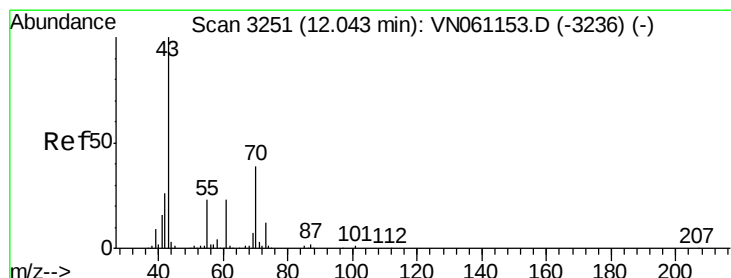
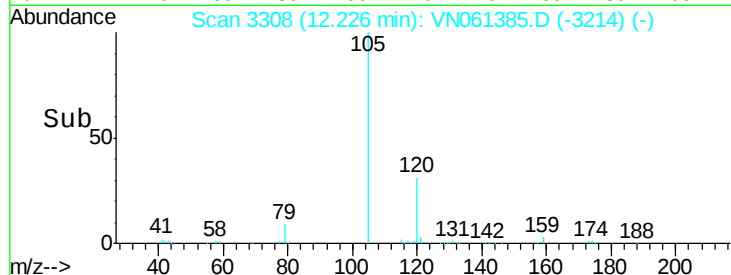
0

12.20

12.23

12.30

Time-->



#74

N-ethyl acetate

Concen: 19.069 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion: 43 Resp: 56957

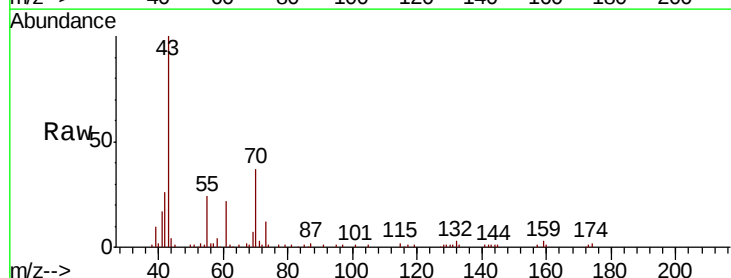
Ion Ratio Lower Upper

43 100

70 38.8 30.6 46.0

55 25.3 18.5 27.7

61 22.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

30000

20000

10000

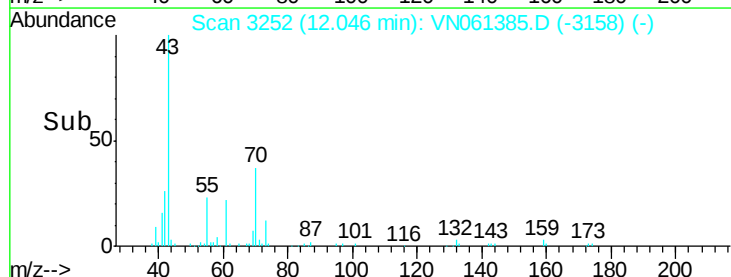
0

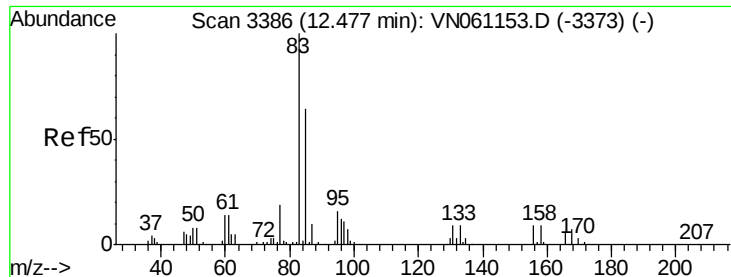
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.727 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

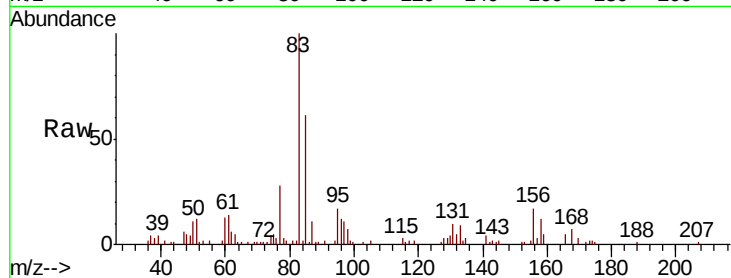
Tot Ion: 83 Resp: 38122

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

85 63.3 32.0 96.0



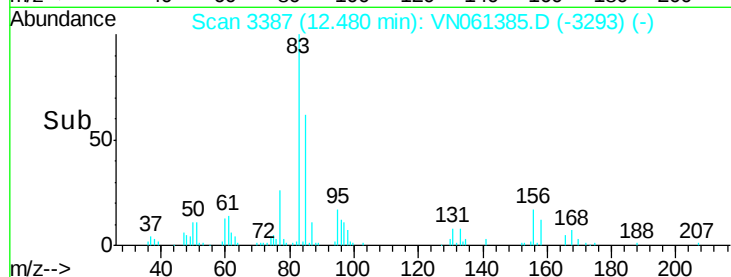
Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-3373) (-)

Ion 130.80 (130.50 to 131.50): VN061153.D (-3373) (-)

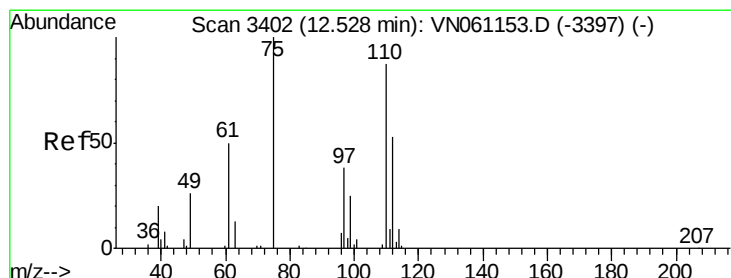
Ion 84.90 (84.60 to 85.60): VN061153.D (-3373) (-)

12.48

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.512 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061385.D

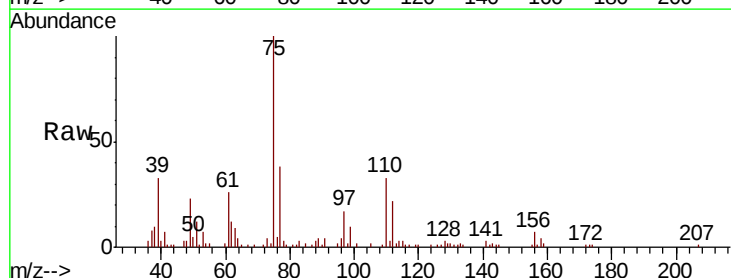
Acq: 11 May 2020 13:22

Tgt Ion: 75 Resp: 51614

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

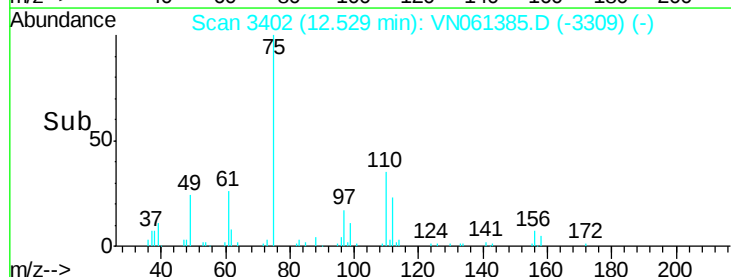


Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-3397) (-)

12.53

Time-->



Time-->



#77

Bromobenzene

Concen: 18.973 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

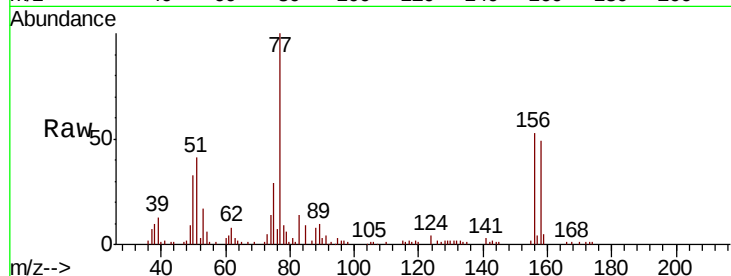
Tot Ion:156 Resp: 25835

Ion Ratio Lower Upper

156 100

77 244.6 117.4 352.2

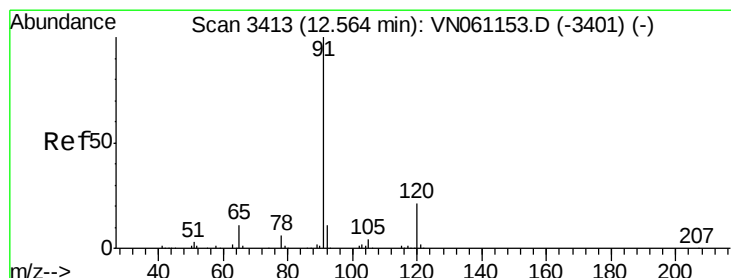
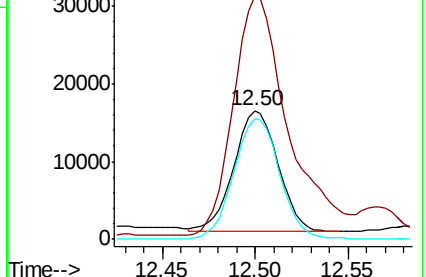
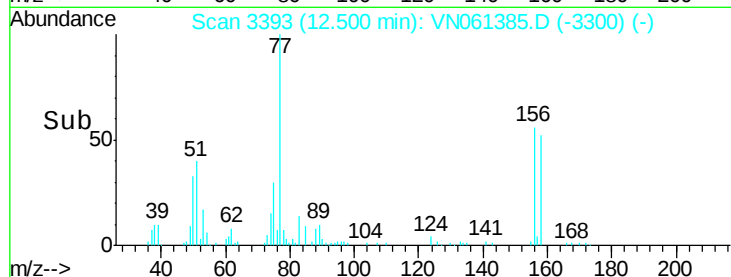
158 103.3 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.273 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061385.D

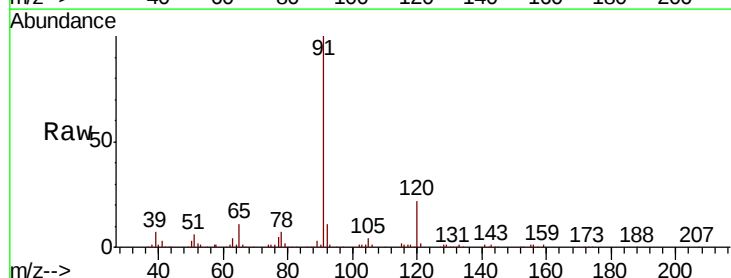
Acq: 11 May 2020 13:22

Tgt Ion: 91 Resp: 141839

Ion Ratio Lower Upper

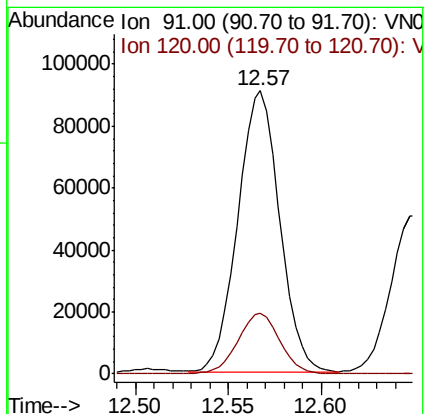
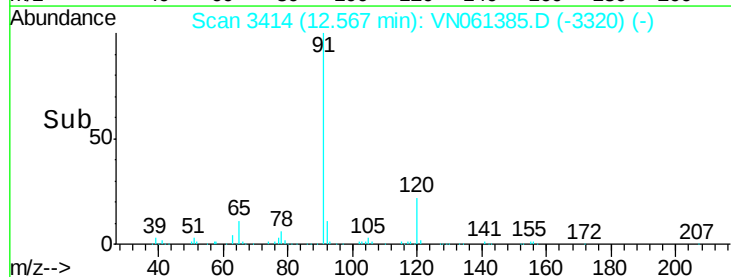
91 100

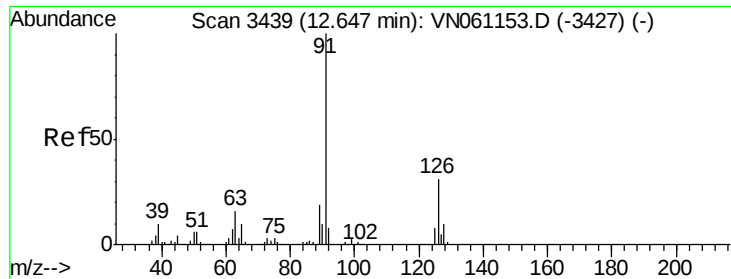
120 22.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.324 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

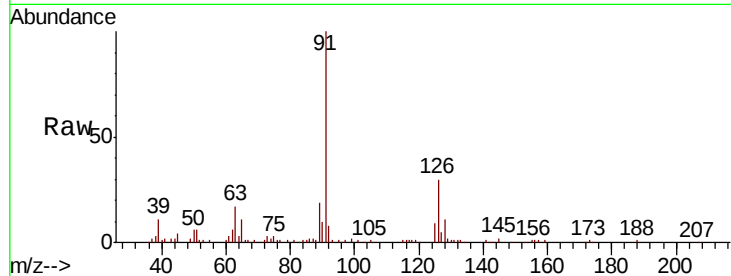
ClientSampled :

Tot Ion: 91 Resp: 83580

Ion Ratio Lower Upper

91 100

126 31.1 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

80000

60000

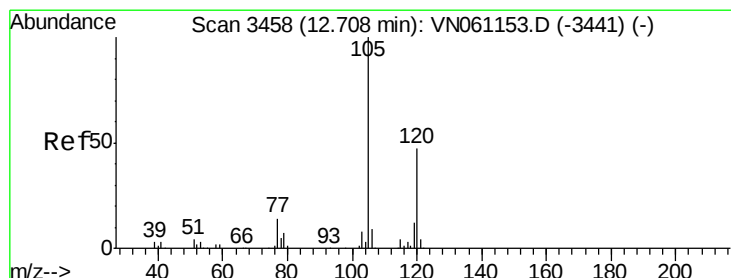
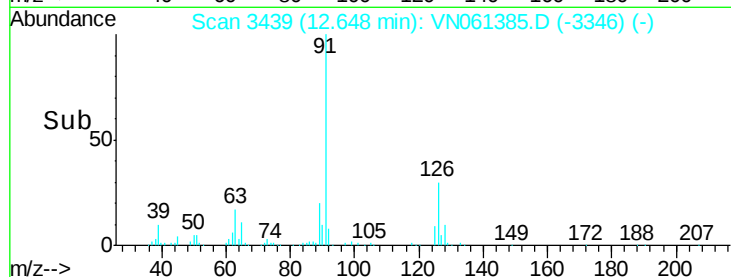
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.233 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061385.D

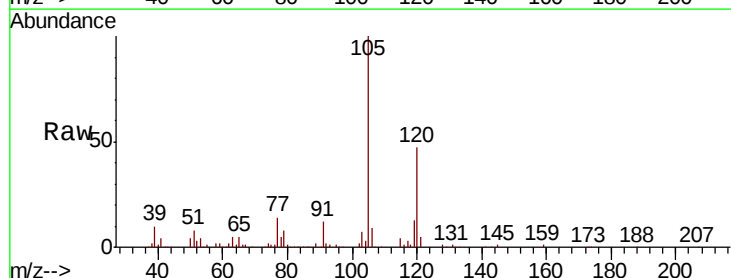
Acq: 11 May 2020 13:22

Tgt Ion: 105 Resp: 98776

Ion Ratio Lower Upper

105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)

60000

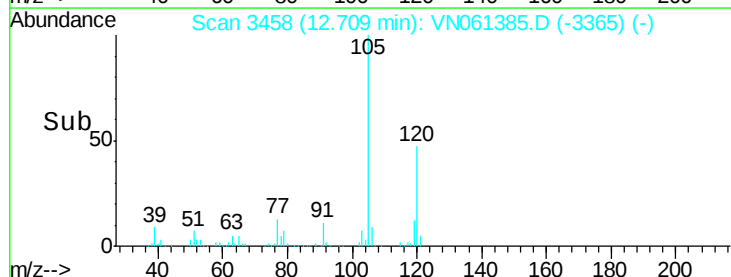
40000

20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.420 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

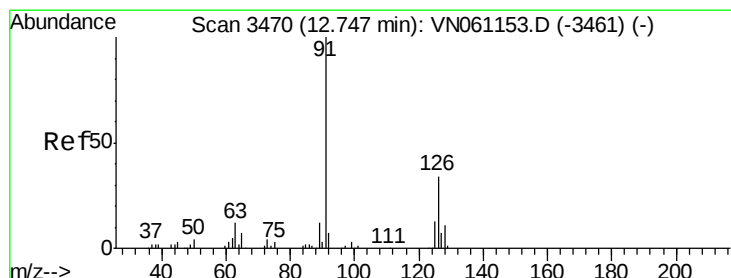
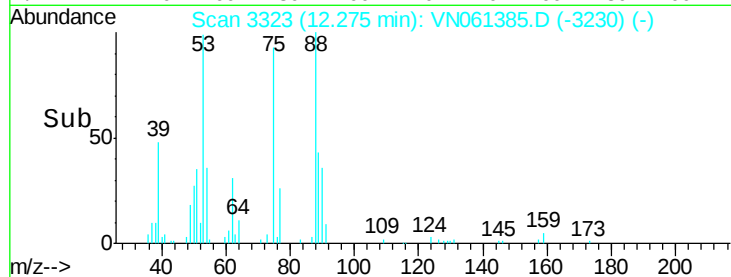
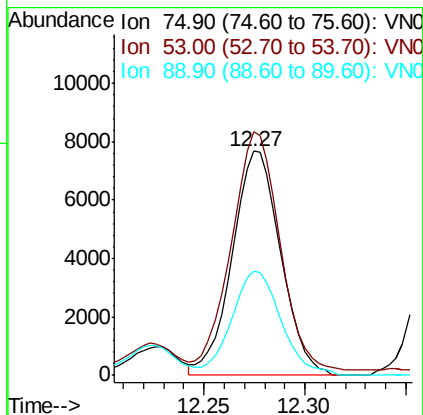
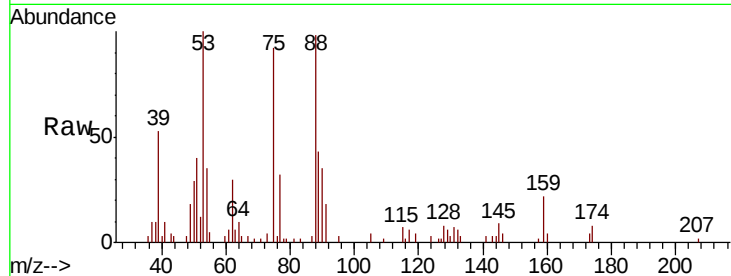
Tot Ion: 75 Resp: 12936

Ion Ratio Lower Upper

75 100

53 105.1 84.1 126.1

89 47.5 35.2 52.8



#82

4-Chlorotoluene

Concen: 19.589 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061385.D

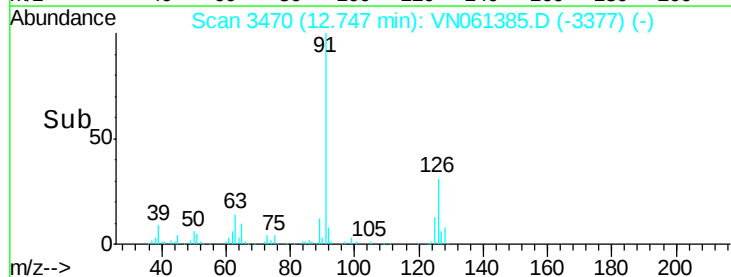
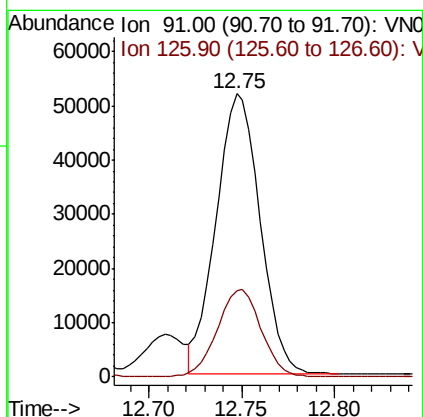
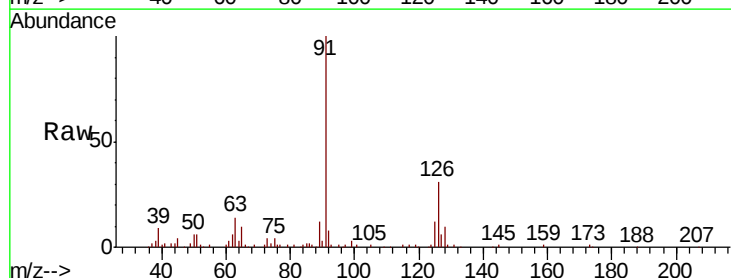
Acq: 11 May 2020 13:22

Tgt Ion: 91 Resp: 84905

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.1

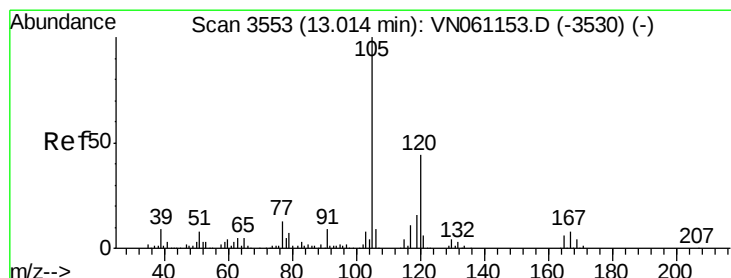
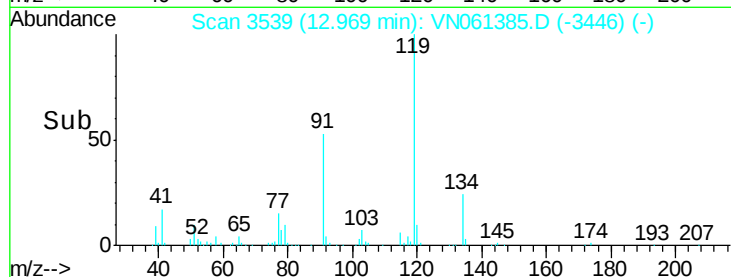
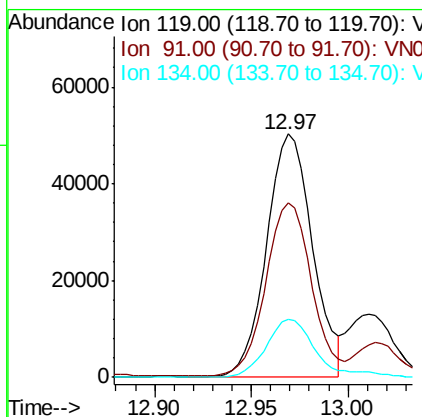
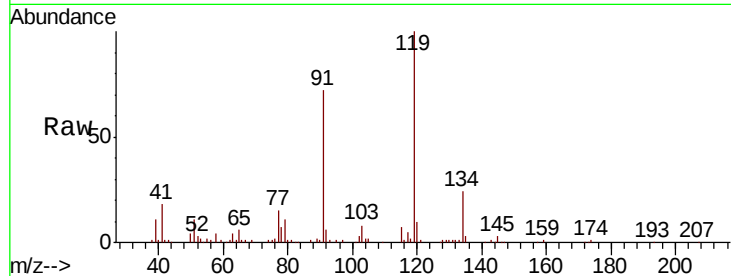




#83
tert-Butylbenzene
Concen: 20.086 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

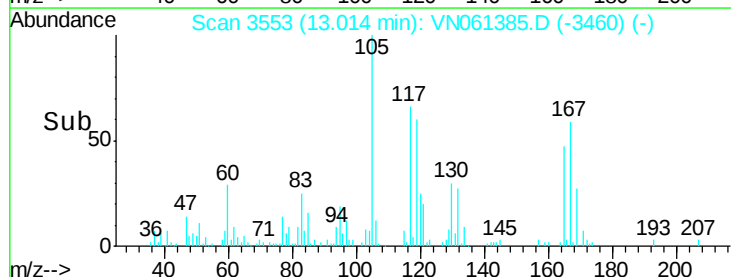
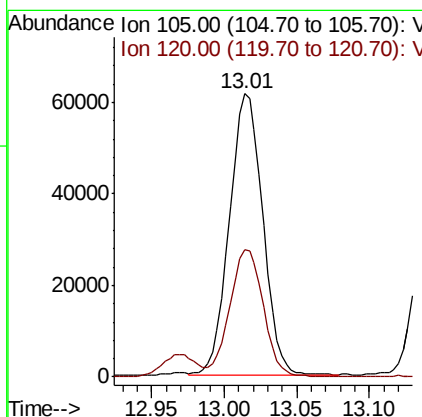
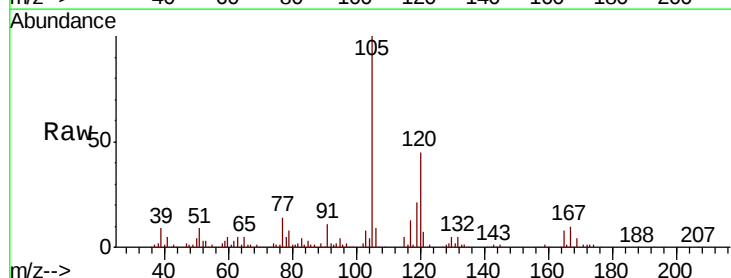
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 82687
Ion Ratio Lower Upper
119 100
91 70.7 34.8 104.4
134 26.1 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.420 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion:105 Resp: 97677
Ion Ratio Lower Upper
105 100
120 46.3 22.2 66.6

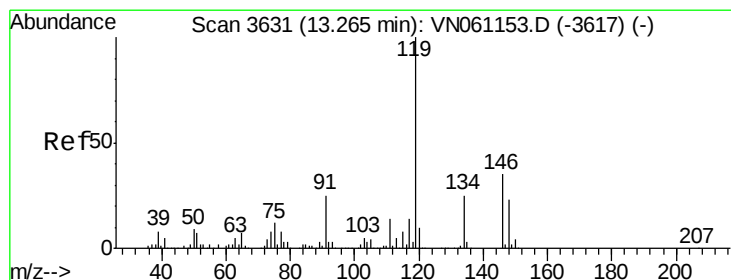
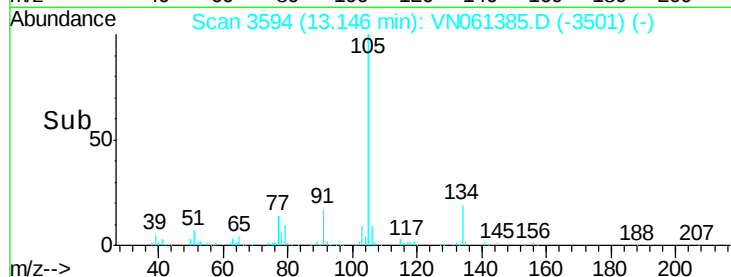
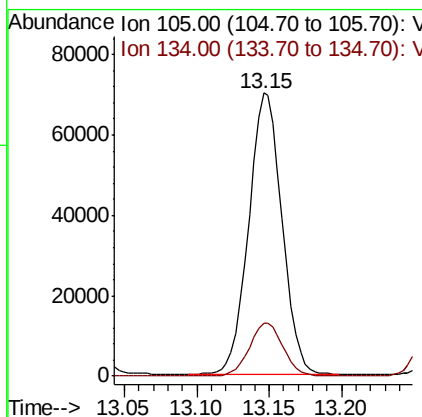
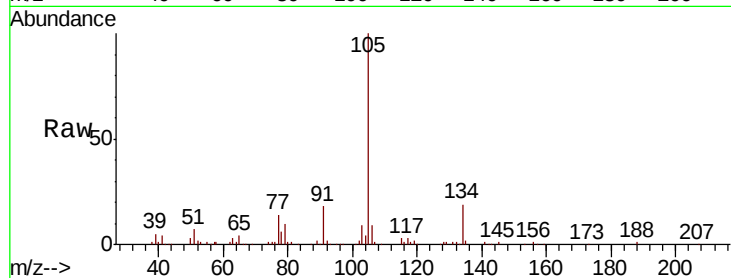




#85
 sec-Butylbenzene
 Concen: 19.834 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

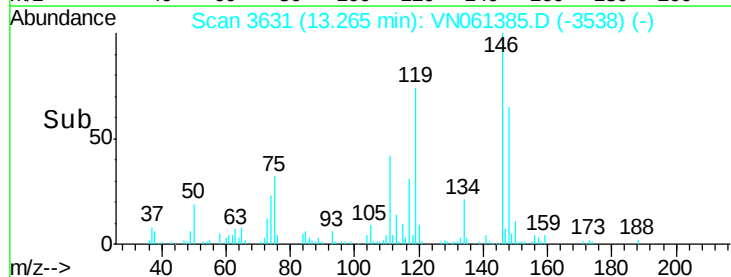
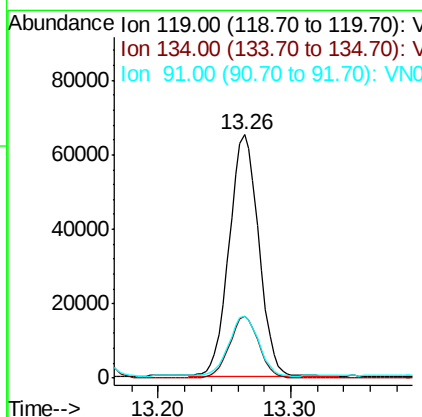
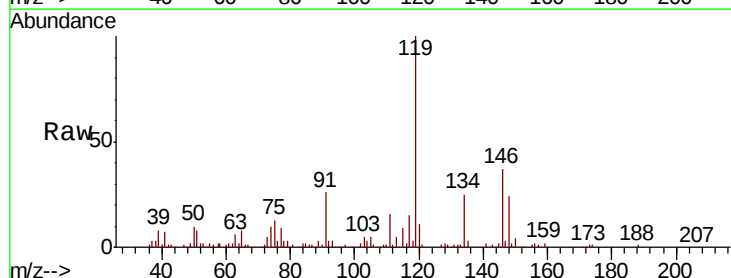
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 111319
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 19.777 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion:119 Resp: 100005
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.6 37.6
 91 25.1 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 20.103 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

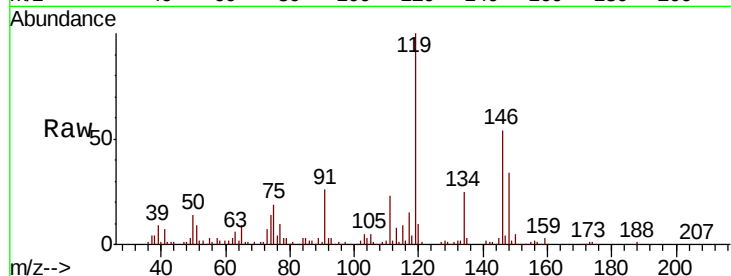
Tot Ion:146 Resp: 50392

Ion Ratio Lower Upper

146 100

111 41.8 20.7 62.1

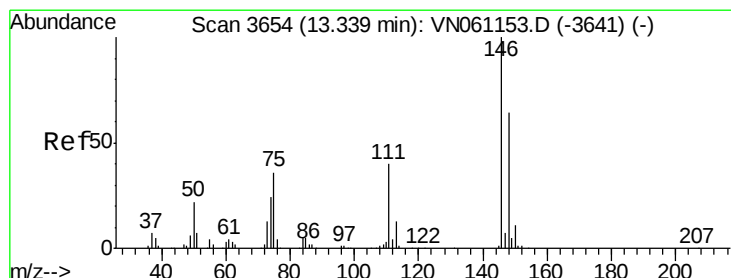
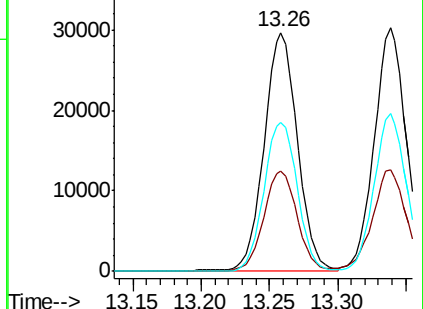
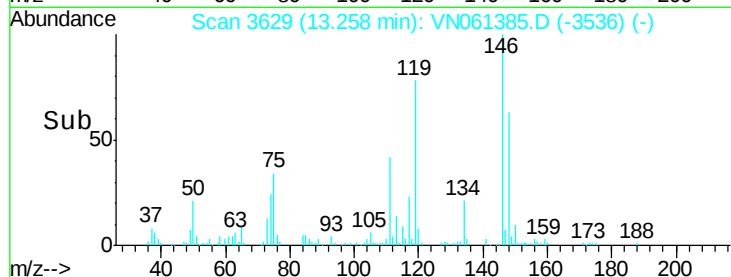
148 62.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.886 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

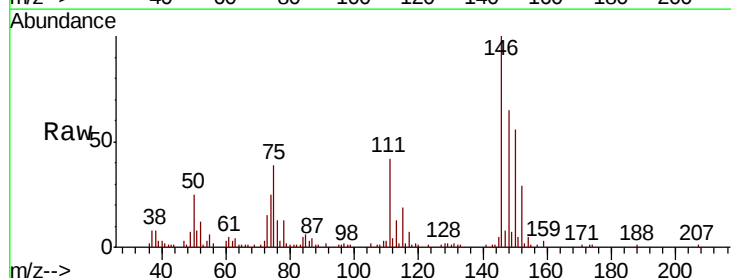
Tgt Ion:146 Resp: 48372

Ion Ratio Lower Upper

146 100

111 45.2 20.4 61.3

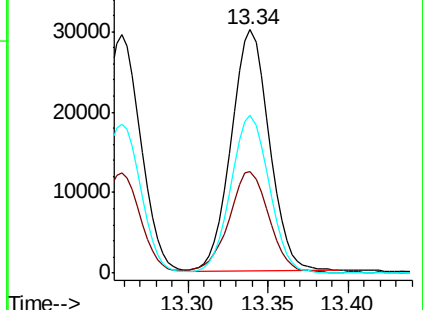
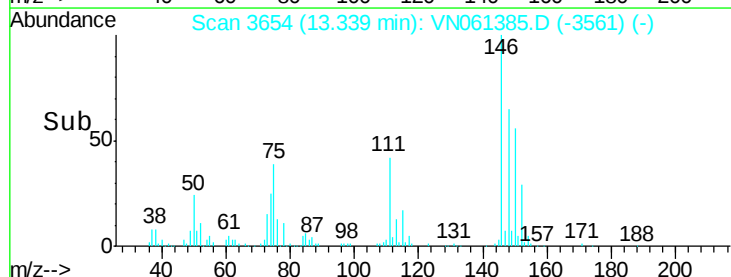
148 66.5 31.9 95.7

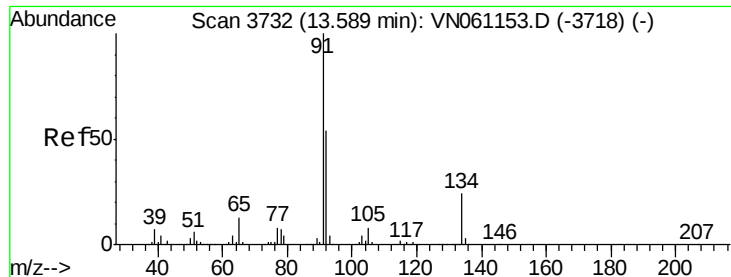


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

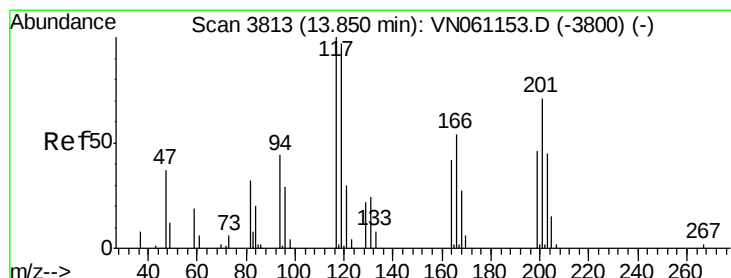
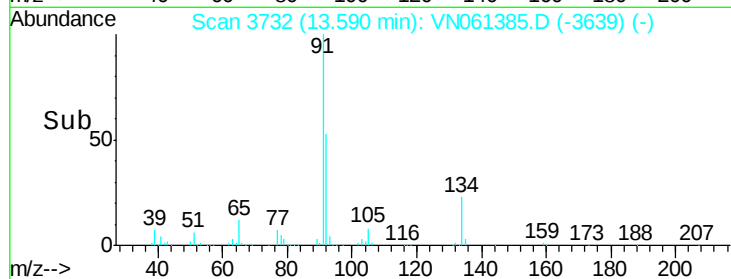
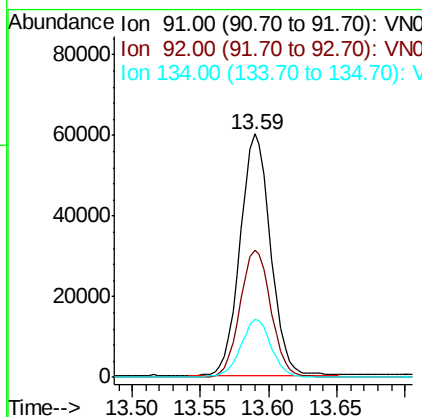
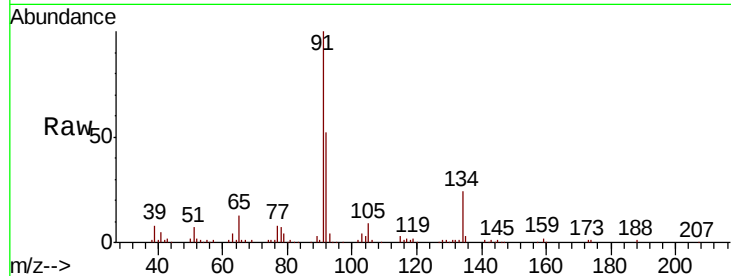




#89
n-Butylbenzene
Concen: 20.008 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

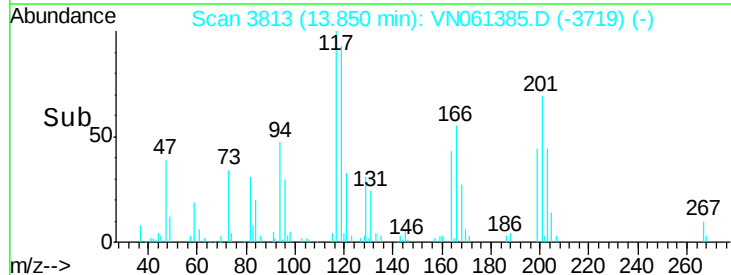
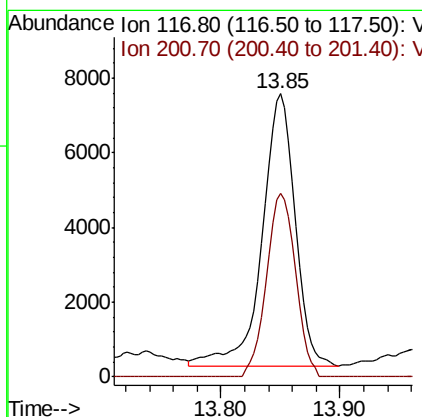
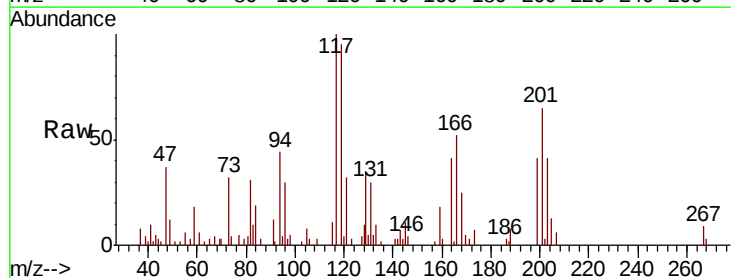
Instrument :
MSVOA_N
ClientSampleId :

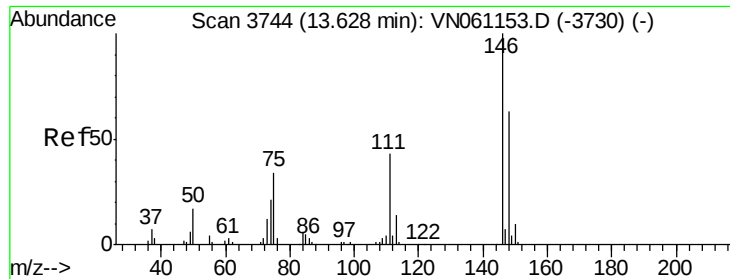
Tot Ion: 91 Resp: 92750
Ion Ratio Lower Upper
91 100
92 53.8 26.8 80.3
134 24.5 11.9 35.5



#90
Hexachloroethane
Concen: 30.032 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 117 Resp: 13945
Ion Ratio Lower Upper
117 100
201 59.5 35.5 106.7

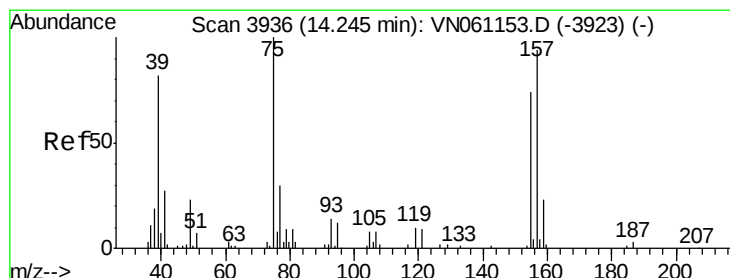
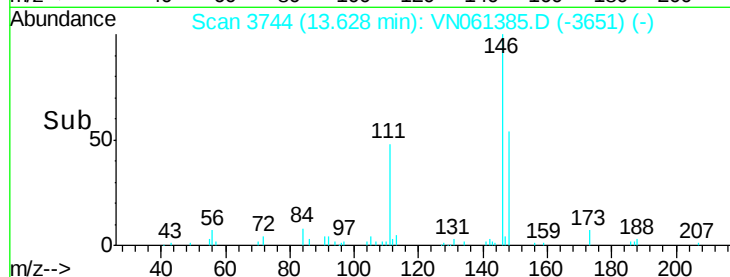
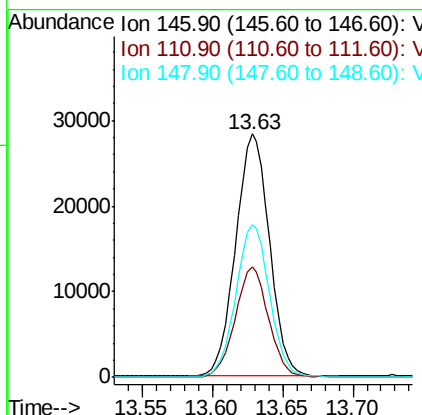
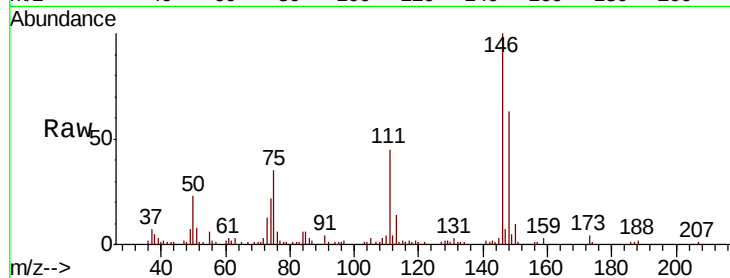




#91
 1,2-Dichlorobenzene
 Concen: 19.667 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

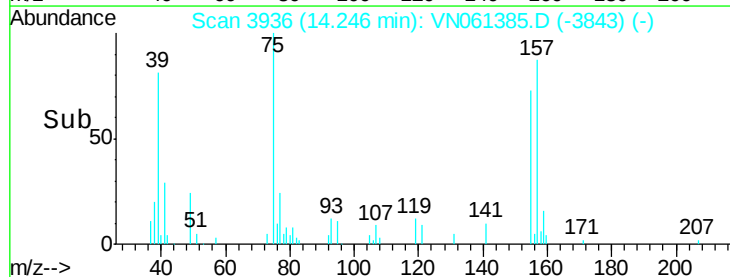
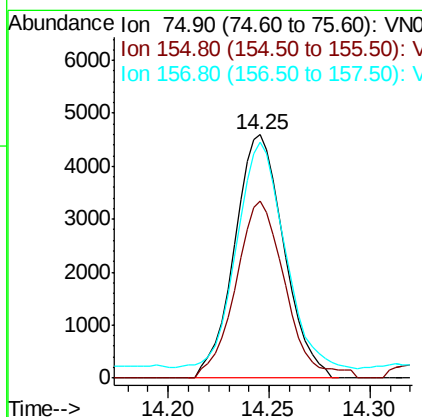
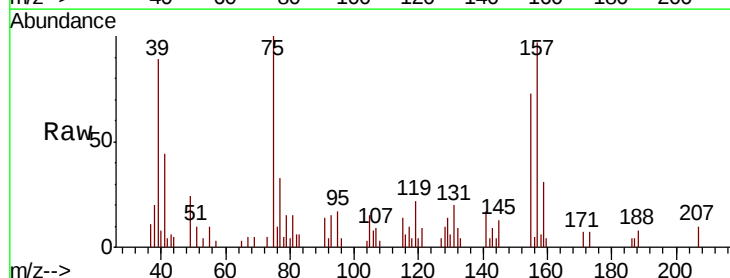
Instrument :
 MSVOA_N
 ClientSampled :

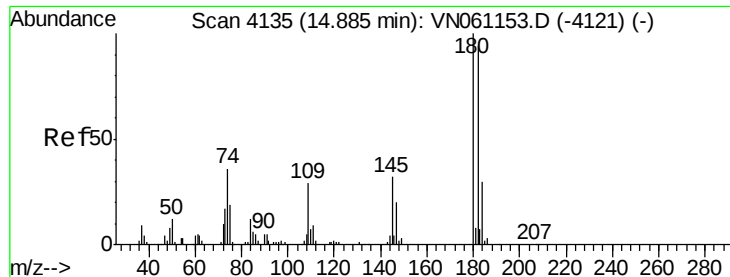
Tot Ion:146 Resp: 47271
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.8 65.3
 148 63.4 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.257 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion: 75 Resp: 7869
 Ion Ratio Lower Upper
 75 100
 155 72.9 36.5 109.7
 157 90.8 46.6 139.7

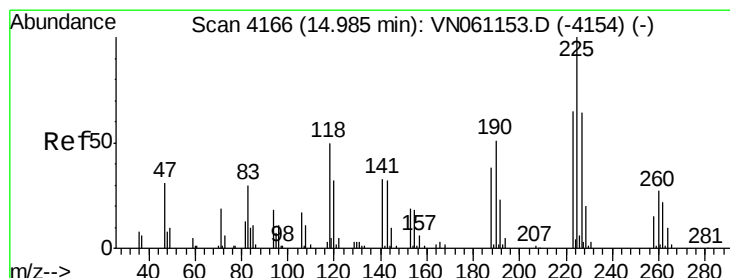
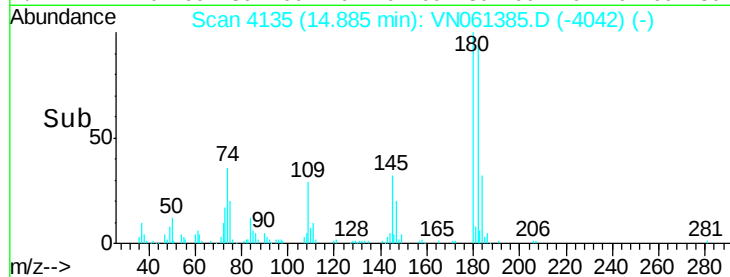
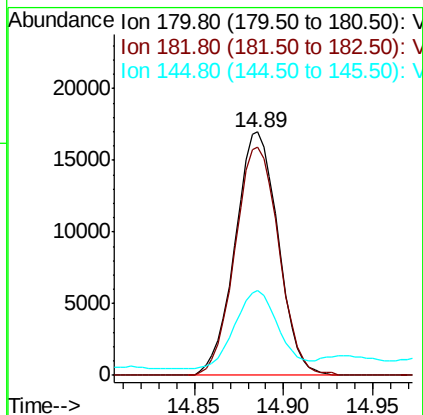
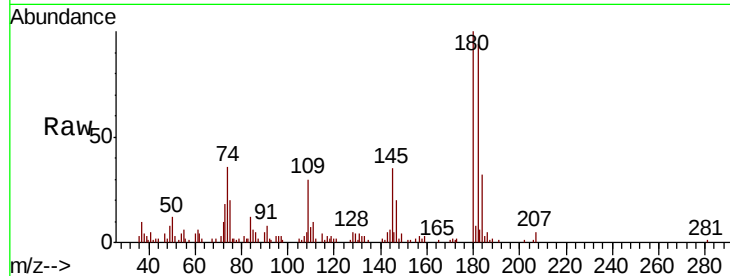




#93
 1,2,4-Trichlorobenzene
 Concen: 19.473 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

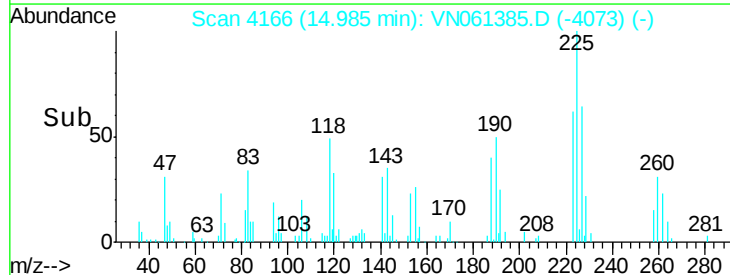
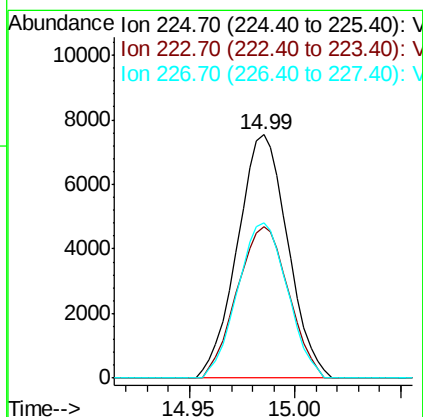
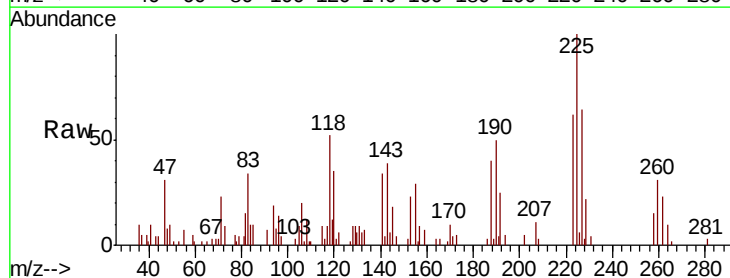
Instrument :
 MSVOA_N
 ClientSampled :

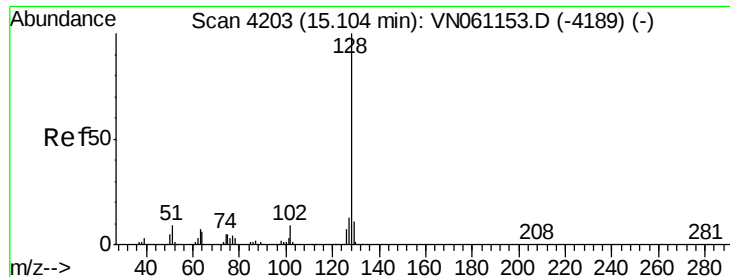
Tot Ion:180 Resp: 28501
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.3 141.9
 145 32.6 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 20.427 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion:225 Resp: 12490
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.4 97.0
 227 62.9 32.4 97.0





#95

Naphthalene

Concen: 19.478 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

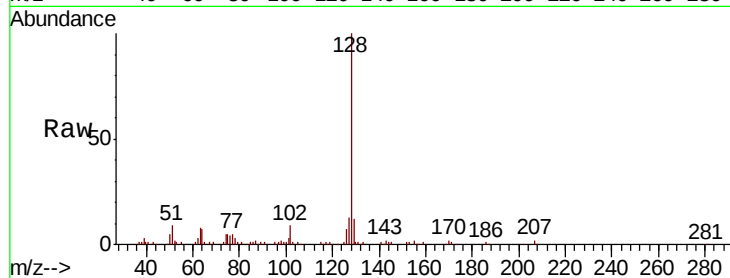
Tot Ion:128 Resp: 92845

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

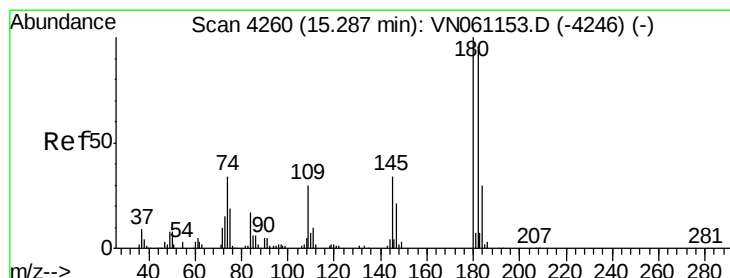
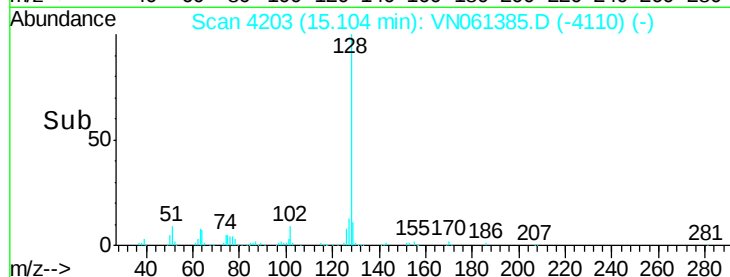
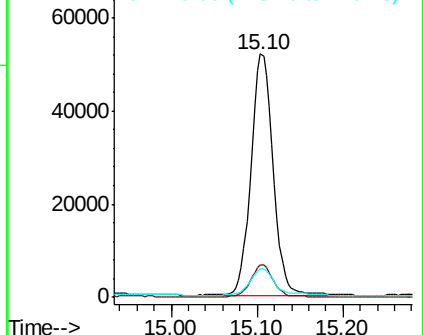
129 11.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.437 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

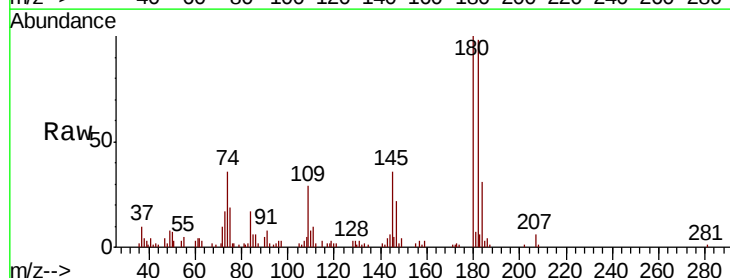
Tgt Ion:180 Resp: 28087

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.5

145 35.6 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

