

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051520\
 Data File : VN061414.D
 Acq On : 15 May 2020 17:12
 Operator : JC/MD
 Sample : L2182-09 2.5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 16 00:24:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	18506	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	106761	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	94614	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	50161	30.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.90%
60) 4-Bromofluorobenzene	12.38	95	45818	28.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.57%
63) Toluene-d8	10.06	98	133880	30.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	1855	2.202	ug/l 94
3) Chloromethane	2.03	50	4377	2.841	ug/l 97
4) Vinyl Chloride	2.16	62	5492	2.659	ug/l 96
5) Bromomethane	2.54	94	3503	3.339	ug/l 90
6) Chloroethane	2.67	64	4006	2.867	ug/l 89
7) Trichlorofluoromethane	2.98	101	5110	2.312	ug/l 95
8) Diethyl Ether	3.37	74	1681	2.391	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	2442	2.586	ug/l 78
10) 1,1-Dichloroethene	3.70	96	2587	2.603	ug/l 94
11) Methyl Iodide	3.91	142	3020	2.807	ug/l 97
12) Methyl Acetate	4.28	43	3732	3.091	ug/l 96
13) Acrolein	3.56	56	2700	13.283	ug/l 98
14) Acrylonitrile	4.94	53	7244	12.783	ug/l 96
15) Acetone	3.77	58	1897	13.940	ug/l # 49
16) Carbon Disulfide	4.01	76	7601	2.720	ug/l # 94
17) Allyl chloride	4.27	41	4699	2.349	ug/l 98
18) Methylene Chloride	4.50	84	2826	2.356	ug/l # 90
19) trans-1,2-Dichloroethene	4.99	96	3072	2.597	ug/l # 81
20) Diisopropyl ether	5.90	45	11209	2.407	ug/l 99
21) 1,1-Dichloroethane	5.79	63	3488	1.434	ug/l # 85
22) cis-1,2-Dichloroethene	6.79	96	3193	2.302	ug/l # 81
23) tert-Butyl Alcohol	4.72	59	1299	7.151	ug/l # 100
25) Chloroform	7.33	83	5672	2.406	ug/l 91
26) Cyclohexane	7.61	56	5488	2.363	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	4517	2.411	ug/l 83
30) 2-Butanone	6.79	43	11238	14.180	ug/l # 90
31) 2,2-Dichloropropane	6.78	77	5295	2.419	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	5120	2.443	ug/l 97
33) Carbon Tetrachloride	7.73	117	3266	2.030	ug/l 96
34) Benzene	8.00	78	12386	2.337	ug/l # 4
35) Methacrylonitrile	7.12	41	1845	2.321	ug/l 86
36) 1,2-Dichloroethane	8.09	62	5132	2.522	ug/l # 83
37) Trichloroethene	8.80	130	3294	2.524	ug/l 96
38) Methylcyclohexane	9.05	83	5298	2.356	ug/l 97
39) 1,2-Dichloropropane	9.09	63	3362	2.307	ug/l 99
40) Dibromomethane	9.18	93	2258	2.509	ug/l 91
41) Bromodichloromethane	9.37	83	4603	2.358	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.84	43	42095	11.185	ug/l	99
43) Ethyl Acetate	6.88	43	4253	2.512	ug/l	98
44) Isopropyl Acetate	8.12	43	8489	2.583	ug/l #	84
45) 1,4-Dioxane	9.17	88	1155	89.049	ug/l #	1
46) Methyl methacrylate	9.17	41	4102	2.654	ug/l	97
47) n-amyl Acetate	12.05	43	6633	2.263	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	5112	2.219	ug/l	94
49) cis-1,3-Dichloropropene	9.81	75	5660	2.322	ug/l	97
50) 1,1,2-Trichloroethane	10.54	97	2994	2.406	ug/l	96
51) Ethyl methacrylate	10.40	69	4965	2.316	ug/l	97
52) 1,3-Dichloropropane	10.68	76	5505	2.423	ug/l	99
53) Dibromochloromethane	10.87	129	2919	2.141	ug/l	99
54) 1,2-Dibromoethane	10.98	107	2963	2.308	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	10582	11.153	ug/l	98
56) Bromoform	12.10	173	1704	1.987	ug/l #	89
58) 4-Methyl-2-Pentanone	9.95	43	22778	13.211	ug/l	97
59) 2-Hexanone	10.72	43	15980	13.103	ug/l	95
61) Tetrachloroethene	10.60	164	2651	2.241	ug/l #	87
62) Toluene	10.12	91	13717	2.500	ug/l	98
64) Chlorobenzene	11.41	112	7959	2.451	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	2749	2.317	ug/l	95
66) Ethyl Benzene	11.48	91	14735	2.340	ug/l	97
67) m/p-Xylenes	11.60	106	10928	4.700	ug/l	98
68) o-Xylene	11.92	106	5176	2.333	ug/l	100
69) Styrene	11.94	104	7958	2.084	ug/l	96
70) Isopropylbenzene	12.22	105	13716	2.281	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.48	83	4036	2.430	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	5450	3.440	ug/l	69
73) Bromobenzene	12.50	156	2732	2.188	ug/l	81
74) n-propylbenzene	12.57	91	16049	2.245	ug/l	100
75) 2-Chlorotoluene	12.65	91	9350	2.281	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	11038	2.188	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	1286	1.951	ug/l	99
78) 4-Chlorotoluene	12.75	91	9655	2.249	ug/l	94
79) tert-butylbenzene	12.97	119	9412	2.246	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	10723	2.129	ug/l	96
81) sec-Butylbenzene	13.15	105	12828	2.222	ug/l	99
82) p-Isopropyltoluene	13.27	119	10992	2.114	ug/l	96
83) 1,3-Dichlorobenzene	13.34	146	5337	2.300	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	5337	2.323	ug/l	98
85) n-Butylbenzene	13.59	91	10375	2.156	ug/l	99
86) Hexachloroethane	13.85	117	1316	1.816	ug/l	79
87) 1,2-Dichlorobenzene	13.63	146	4798	2.179	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	828	2.339	ug/l #	70
89) 1,2,4-Trichlorobenzene	14.89	180	2797	2.211	ug/l	95
90) Hexachlorobutadiene	14.99	225	1263	2.451	ug/l	95
91) Naphthalene	15.11	128	10111	2.541	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	3057	2.488	ug/l	93

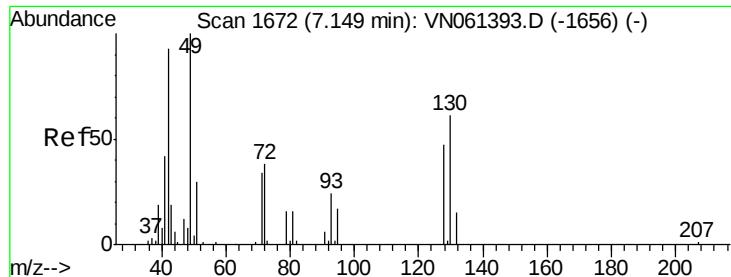
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :

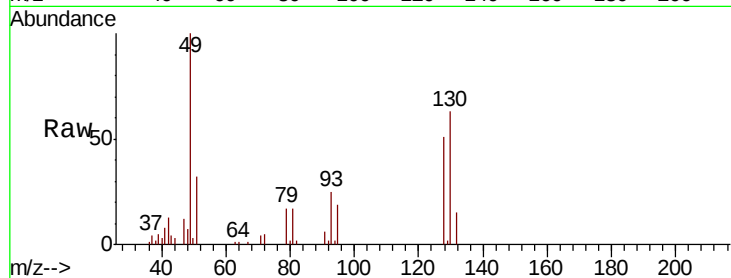
Tot Ion:128 Resp: 18506

Ion Ratio Lower Upper

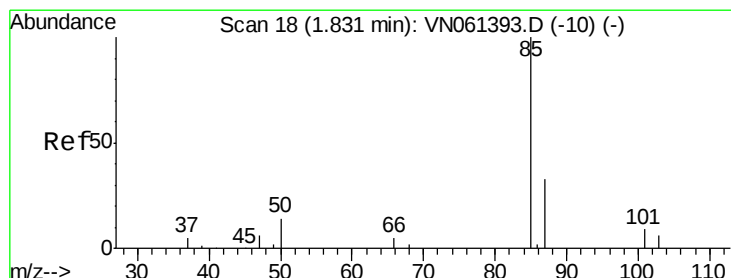
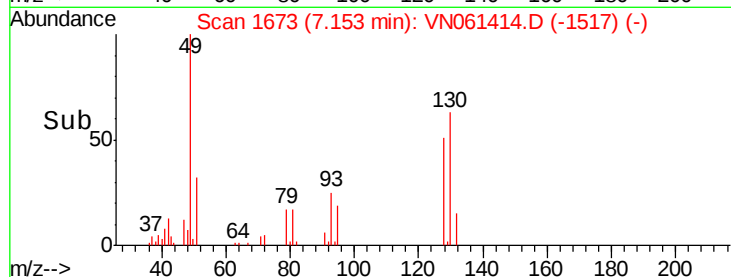
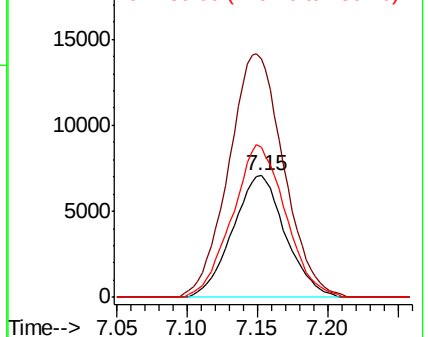
128 100

49 208.3 0.0 453.5

130 126.6 0.0 314.2



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



#2

Dichlorodifluoromethane

Concen: 2.202 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061414.D

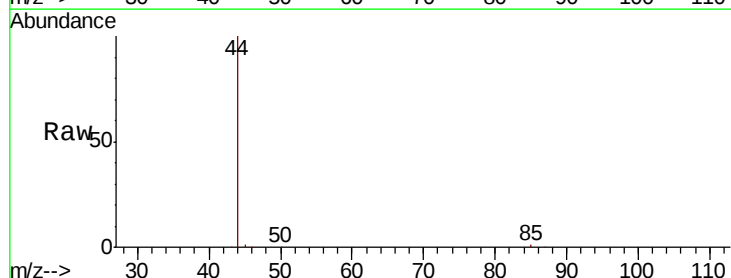
Acq: 15 May 2020 17:12

Tgt Ion: 85 Resp: 1855

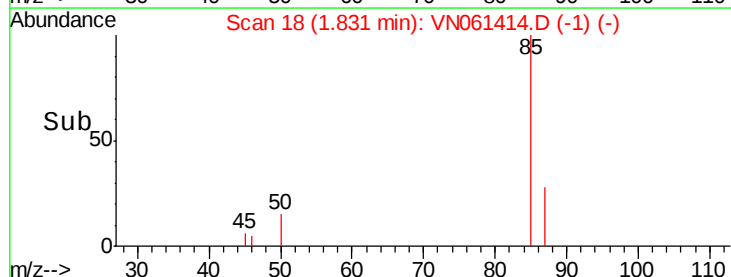
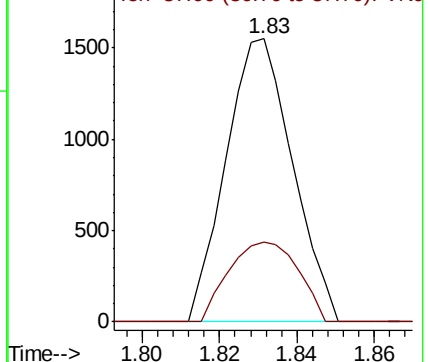
Ion Ratio Lower Upper

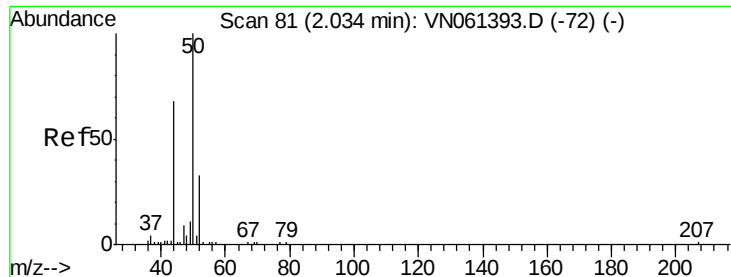
85 100

87 28.2 15.7 47.0



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





#3

Chloromethane

Concen: 2.841 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

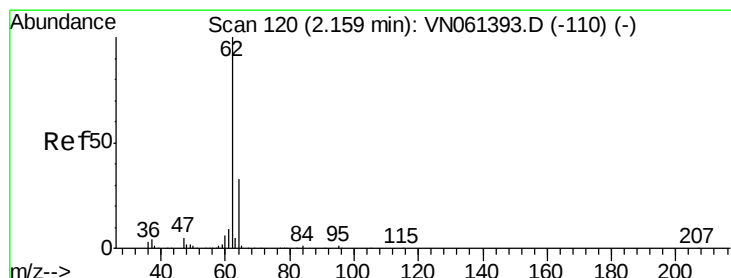
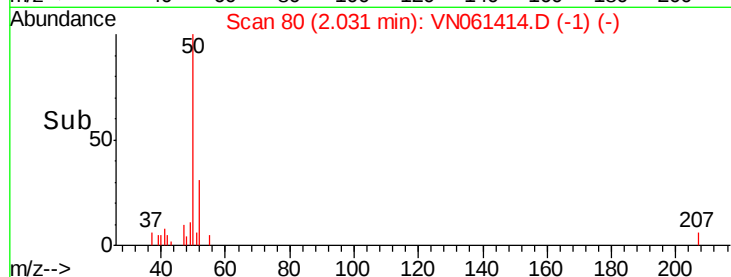
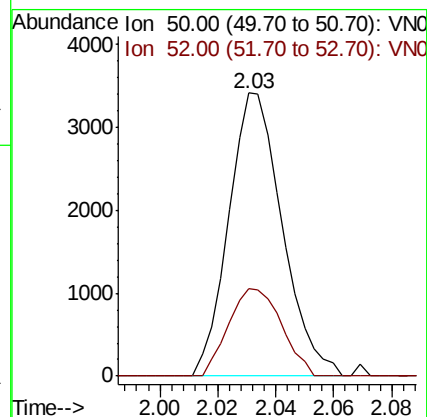
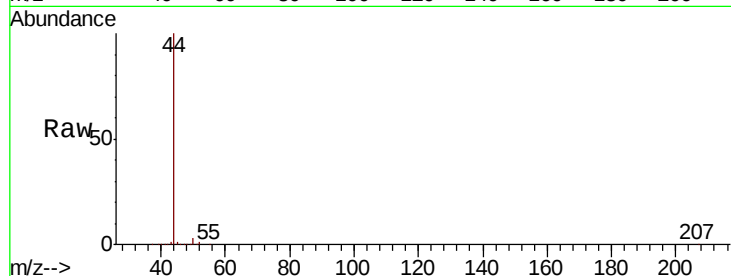
ClientSampleId :

Tot Ion: 50 Resp: 4377

Ion Ratio Lower Upper

50 100

52 30.8 25.8 38.8



#4

Vinyl Chloride

Concen: 2.659 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061414.D

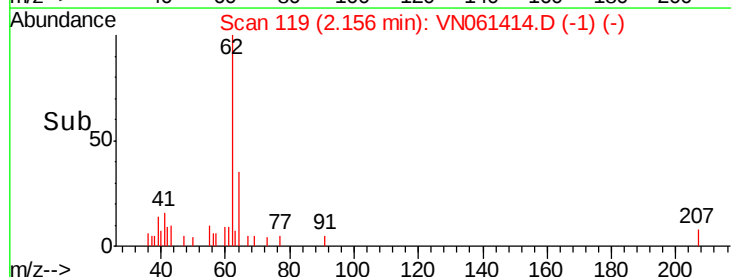
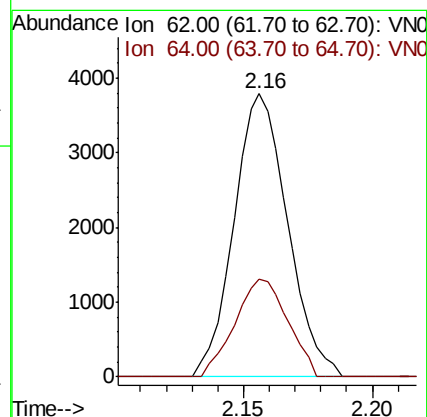
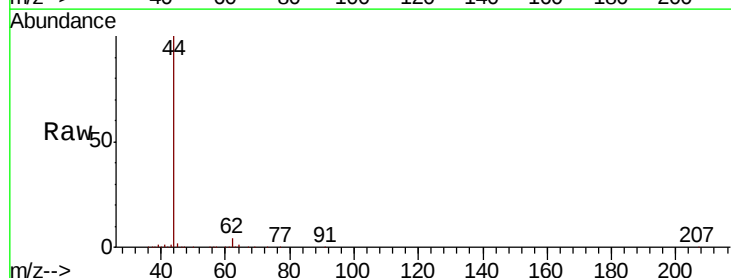
Acq: 15 May 2020 17:12

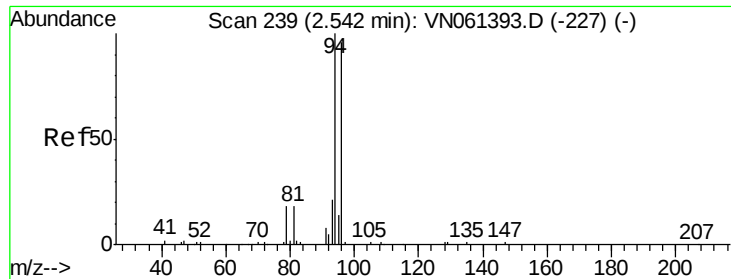
Tgt Ion: 62 Resp: 5492

Ion Ratio Lower Upper

62 100

64 34.6 26.1 39.1

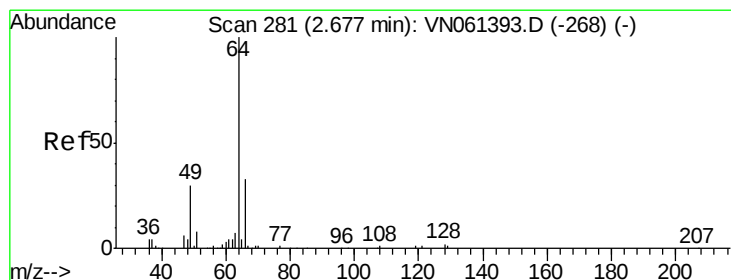
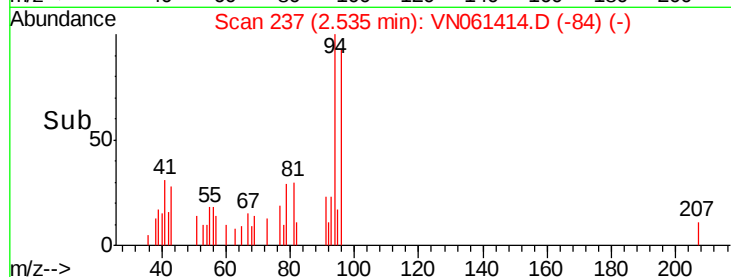
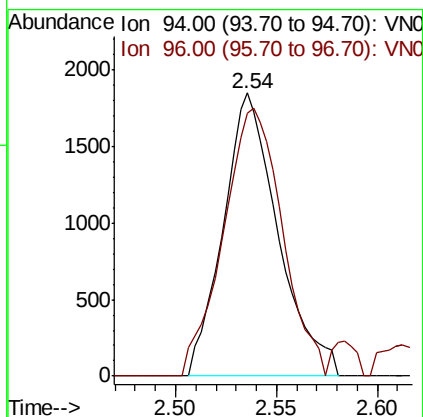
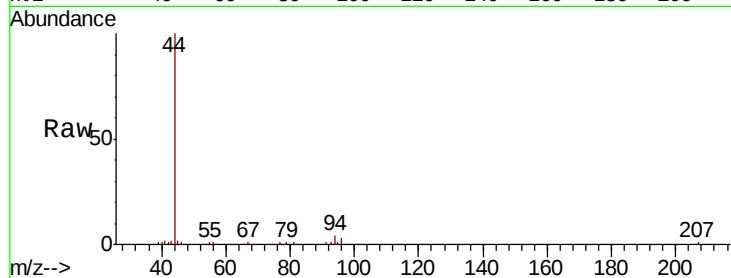




#5
Bromomethane
Concen: 3.339 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

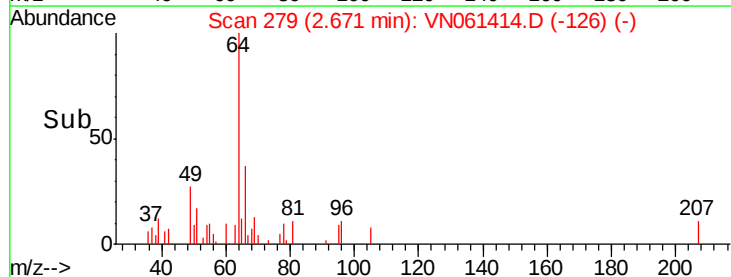
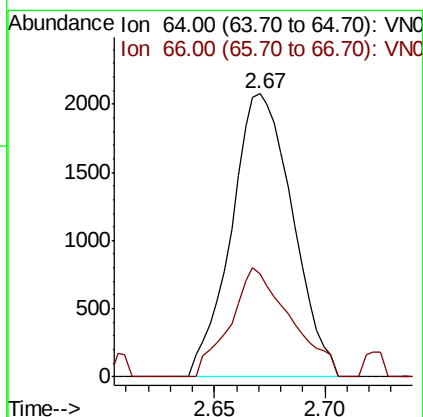
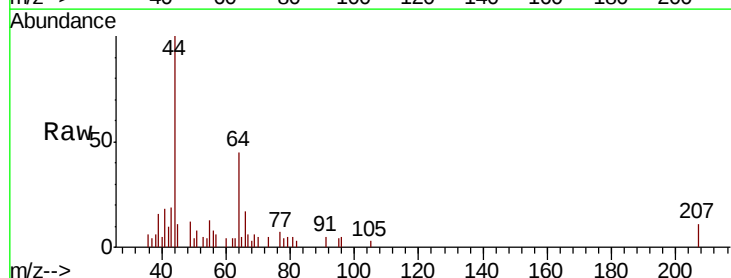
Instrument :
MSVOA_N
ClientSampleId :

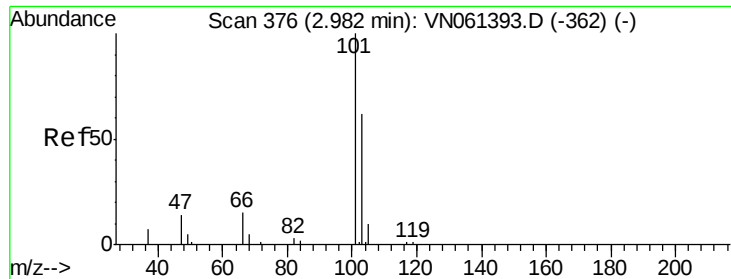
Tot Ion: 94 Resp: 3503
Ion Ratio Lower Upper
94 100
96 82.8 73.7 110.5



#6
Chloroethane
Concen: 2.867 ug/l
RT: 2.67 min Scan# 279
Delta R.T. -0.01 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 64 Resp: 4006
Ion Ratio Lower Upper
64 100
66 36.6 24.6 36.8



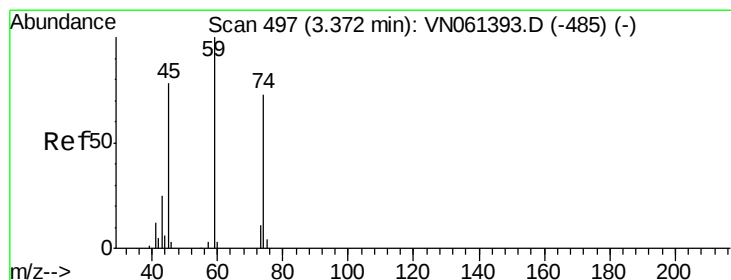
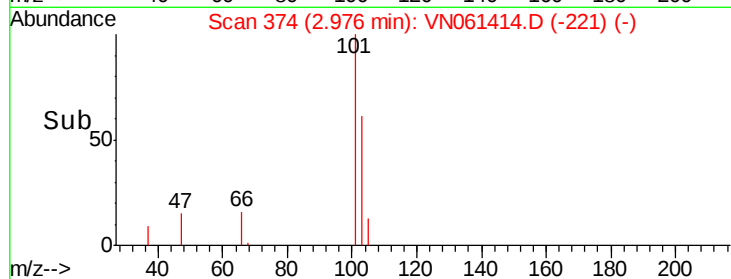
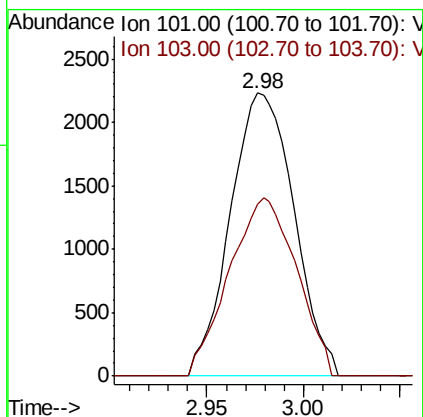
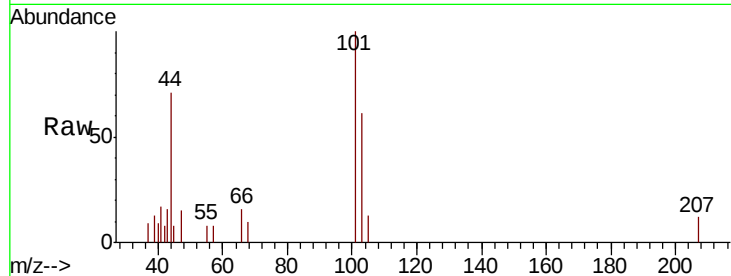


#7

Trichlorofluoromethane
 Concen: 2.312 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Instrument :
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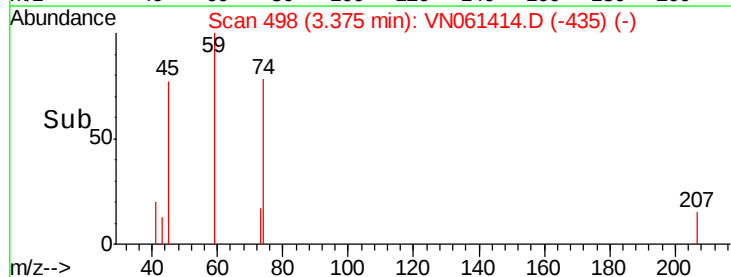
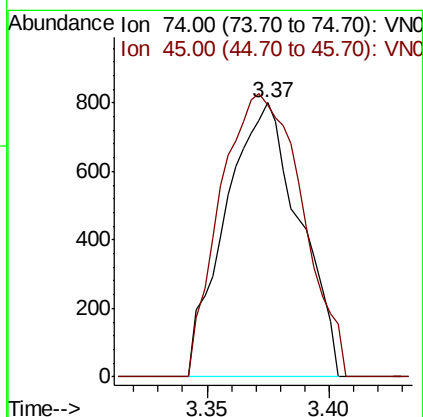
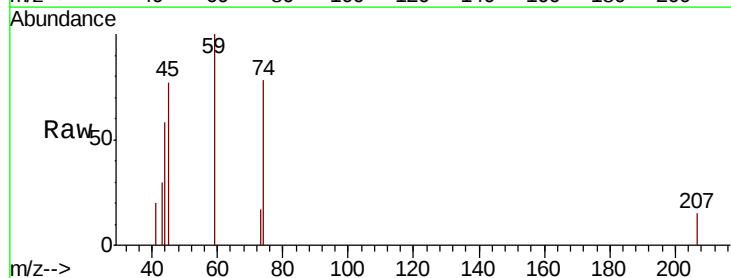
Tot Ion:101 Resp: 5110
 Ion Ratio Lower Upper
 101 100
 103 60.7 51.5 77.3

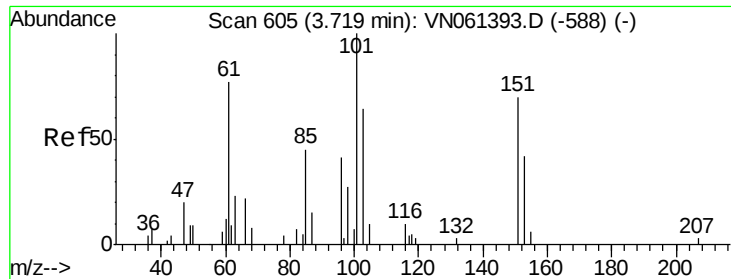


#8

Diethyl Ether
 Concen: 2.391 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 74 Resp: 1681
 Ion Ratio Lower Upper
 74 100
 45 114.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.586 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

ClientSampled :

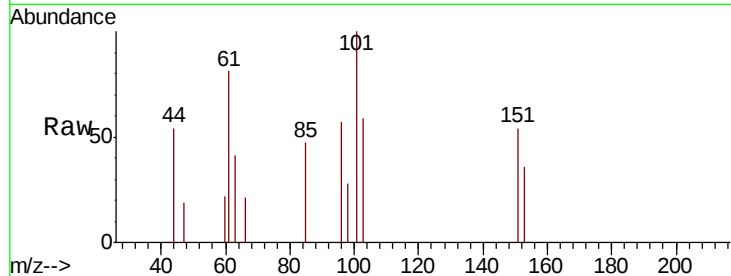
Tot Ion:101 Resp: 2442

Ion Ratio Lower Upper

101 100

85 43.2 0.0 93.8

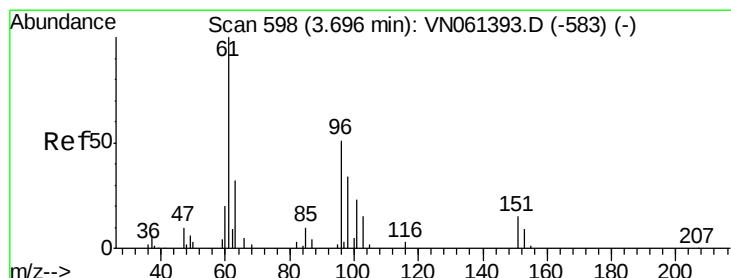
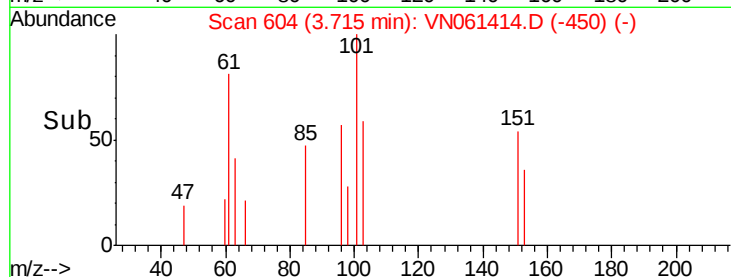
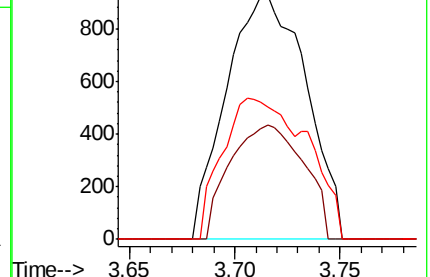
151 46.9 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.603 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

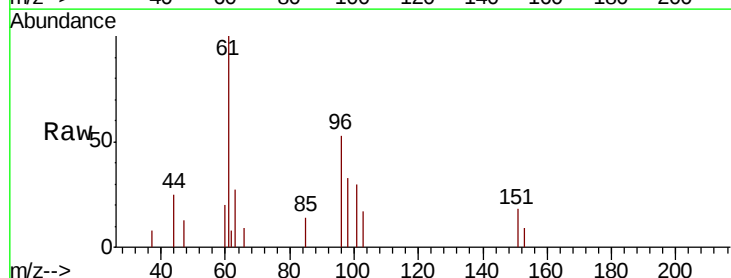
Tgt Ion: 96 Resp: 2587

Ion Ratio Lower Upper

96 100

61 174.0 148.5 222.7

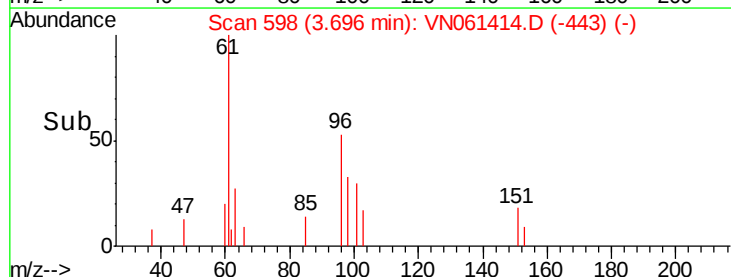
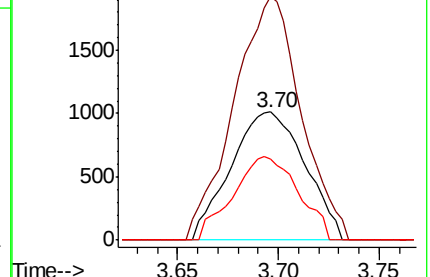
98 63.6 51.0 76.6

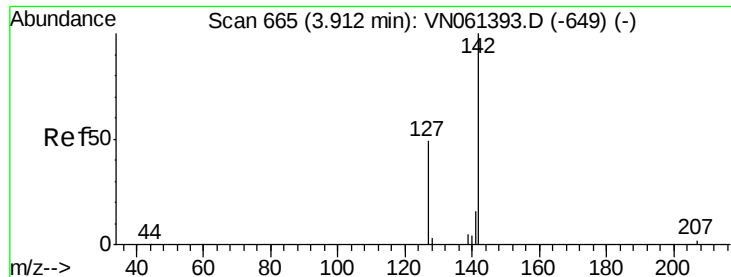


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

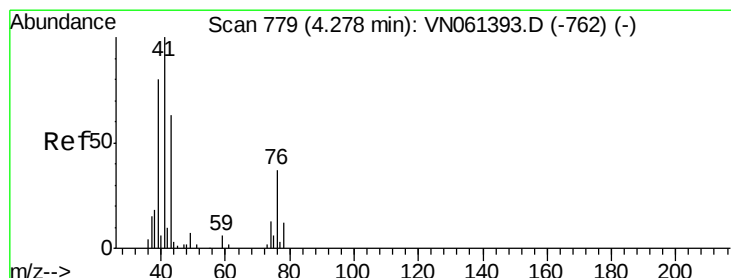
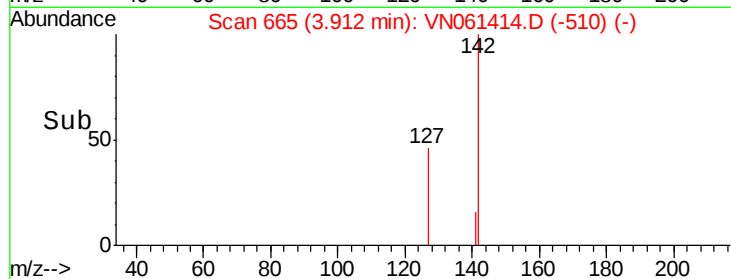
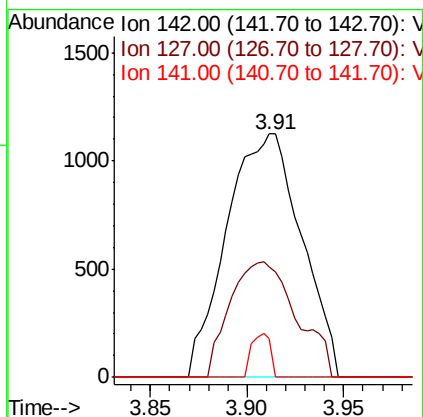
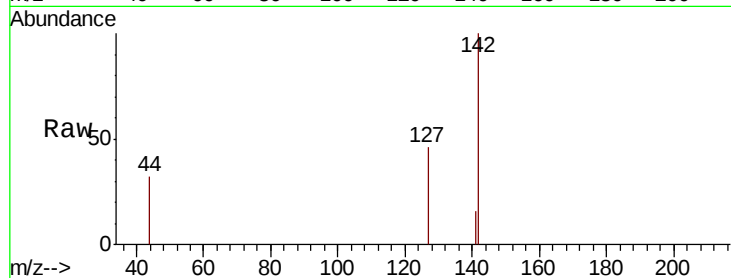




#11
Methvl Iodide
Concen: 2.807 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

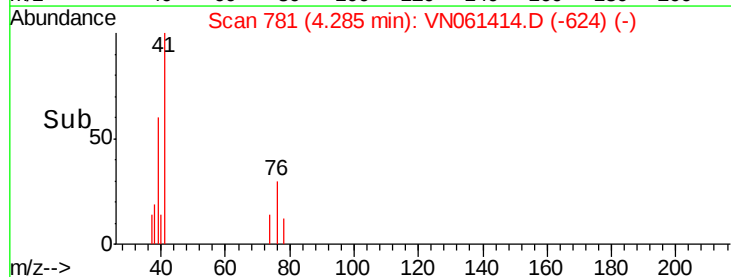
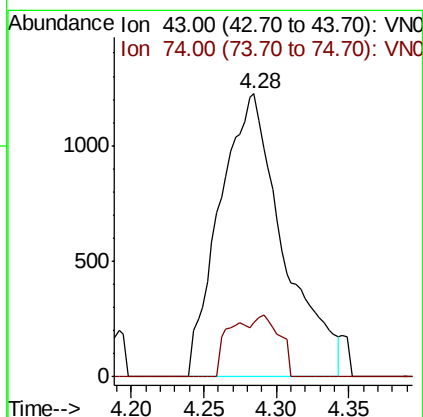
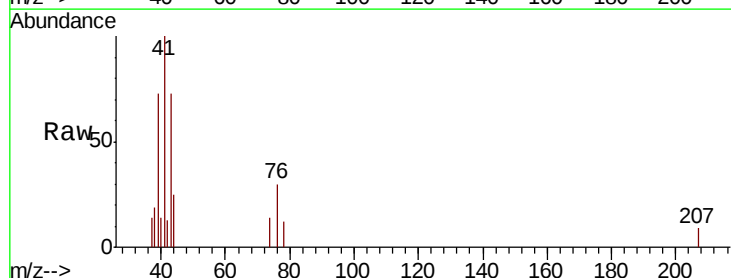
Instrument :
MSVOA_N
ClientSampled :

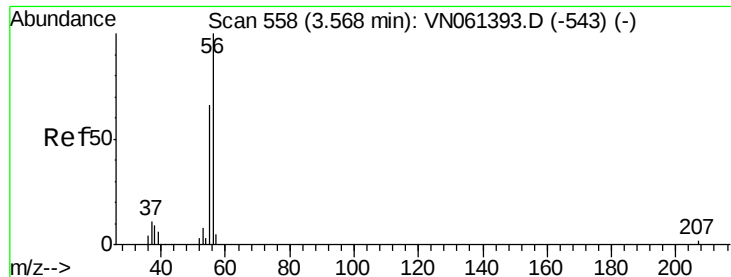
Tot Ion:142 Resp: 3020
Ion Ratio Lower Upper
142 100
127 45.5 23.5 70.6
141 16.0 7.4 22.2



#12
Methyl Acetate
Concen: 3.091 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
74 20.5 18.1 27.1





#13

Acrolein

Concen: 13.283 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

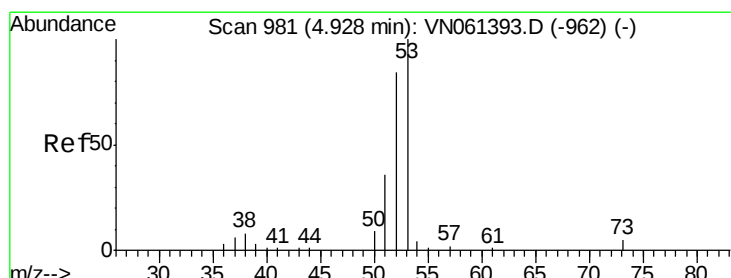
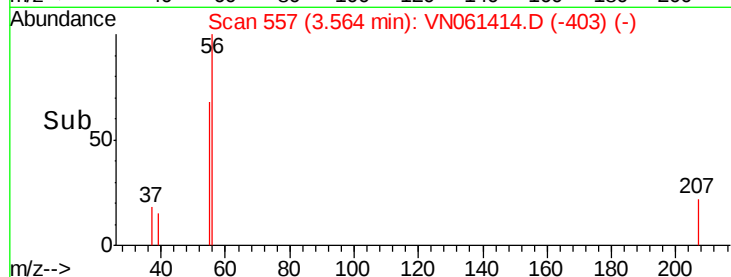
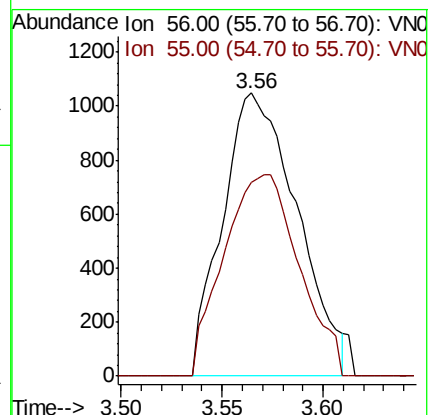
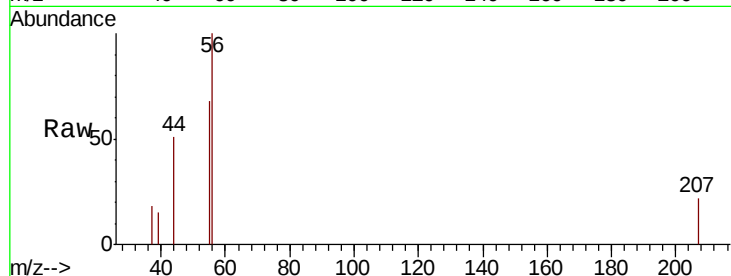
ClientSampleId :

Tot Ion: 56 Resp: 2700

Ion Ratio Lower Upper

56 100

55 71.9 55.9 83.9



#14

Acrylonitrile

Concen: 12.783 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

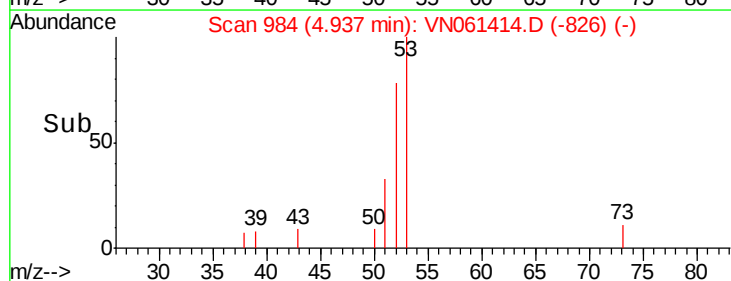
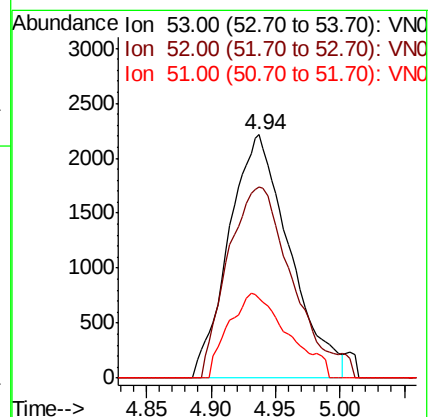
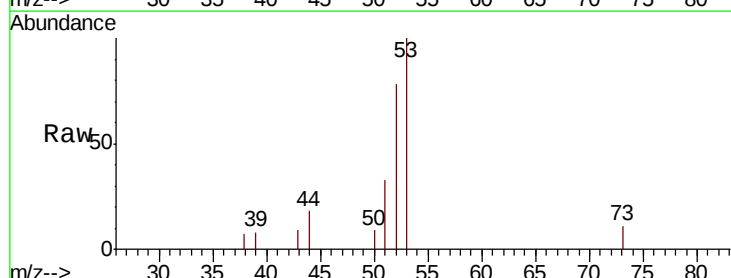
Tgt Ion: 53 Resp: 7244

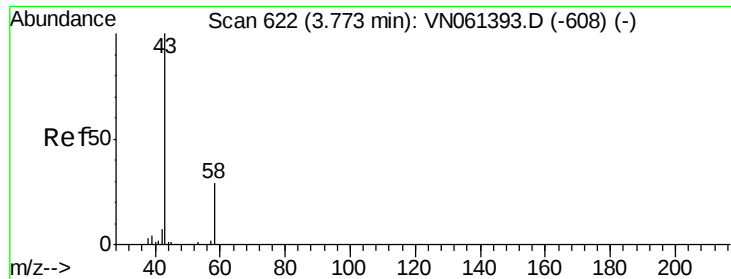
Ion Ratio Lower Upper

53 100

52 82.0 42.2 126.6

51 33.9 18.8 56.4





#15

Acetone

Concen: 13.940 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

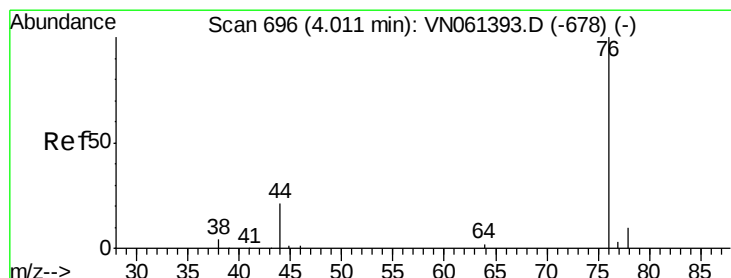
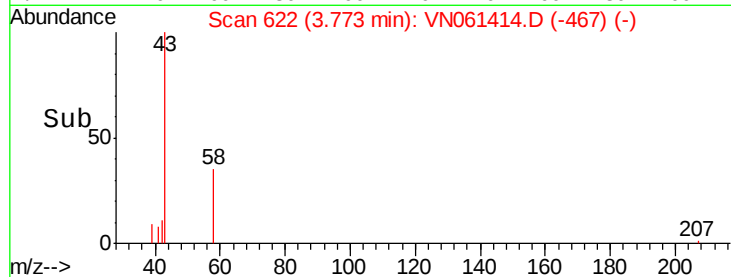
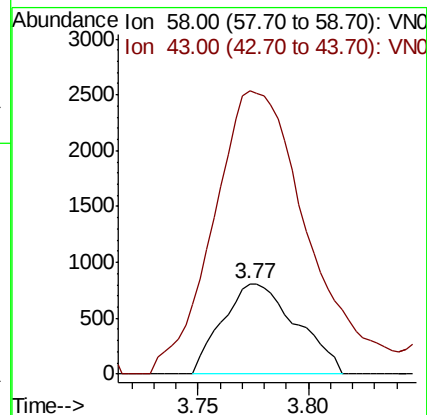
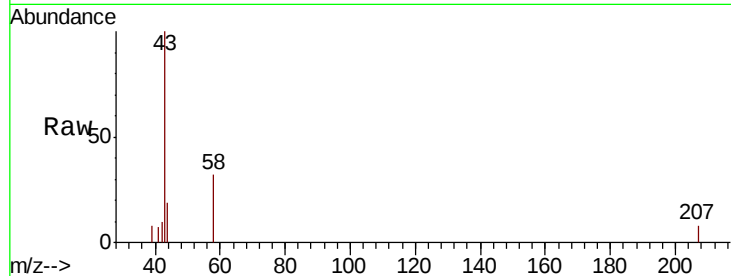
ClientSampled :

Tot Ion: 58 Resp: 1897

Ion Ratio Lower Upper

58 100

43 241.4 281.7 422.5#



#16

Carbon Disulfide

Concen: 2.720 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061414.D

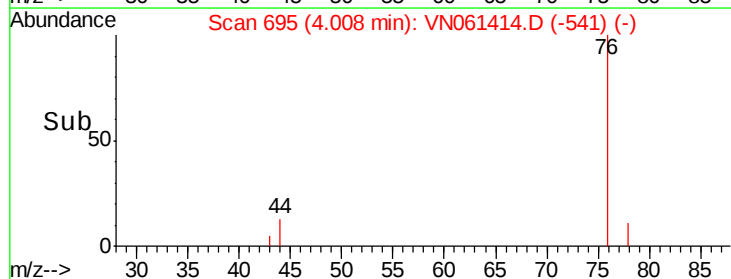
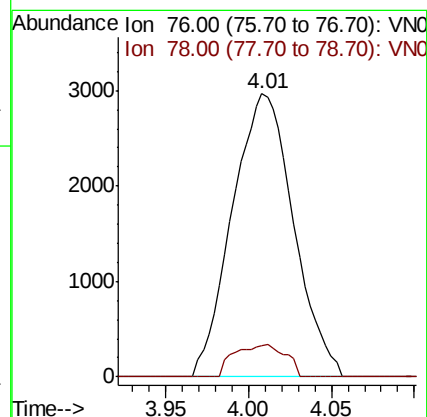
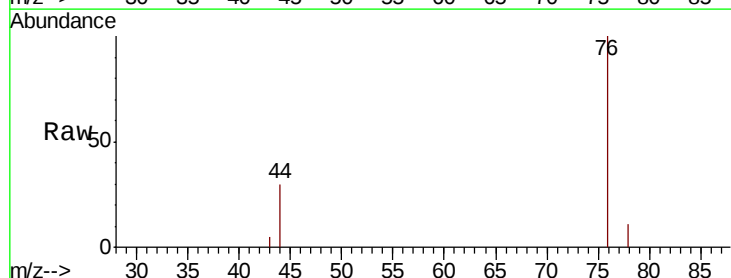
Acq: 15 May 2020 17:12

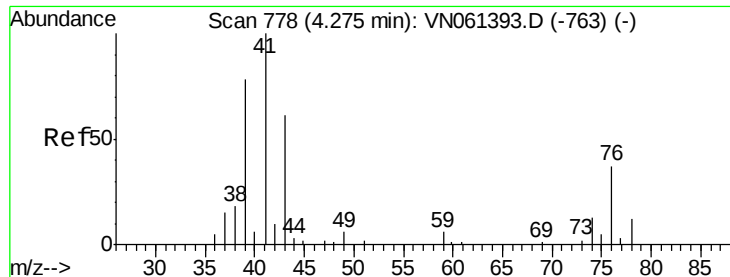
Tgt Ion: 76 Resp: 7601

Ion Ratio Lower Upper

76 100

78 11.3 7.4 11.0#

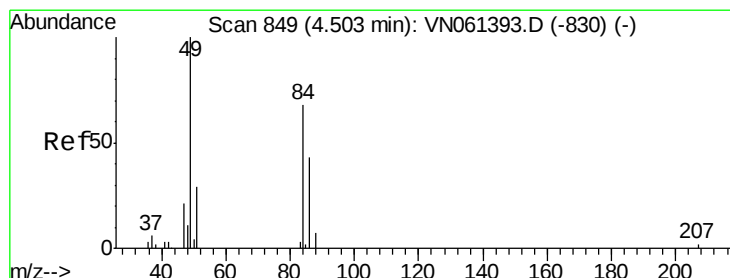
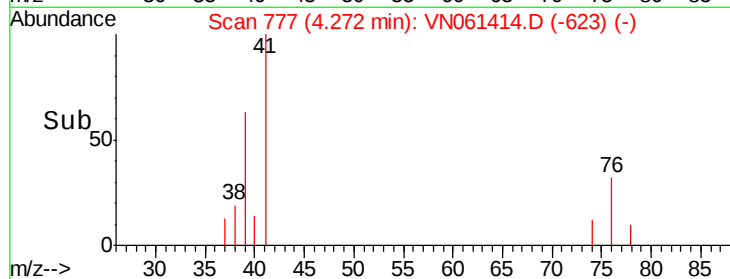
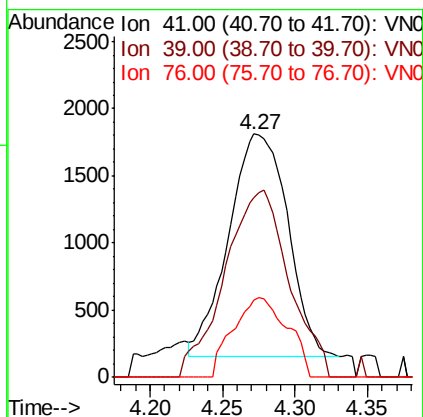
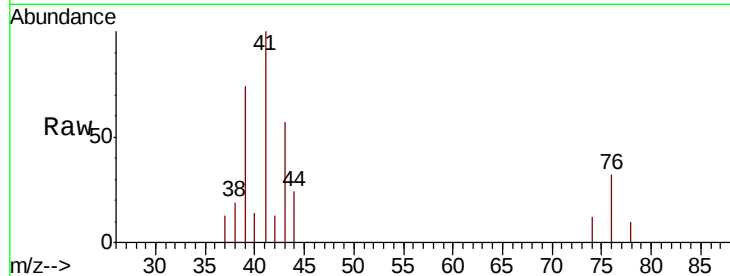




#17
Allvl chloride
Concen: 2.349 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

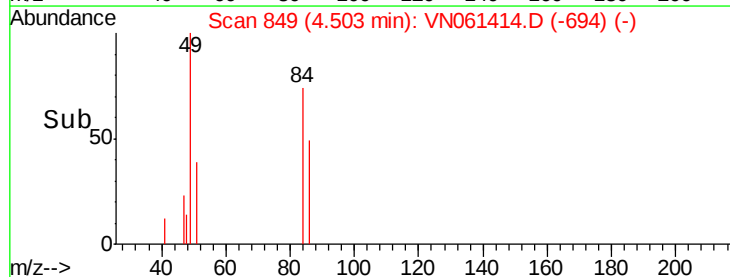
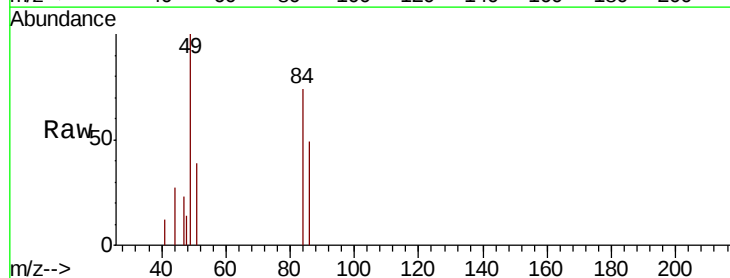
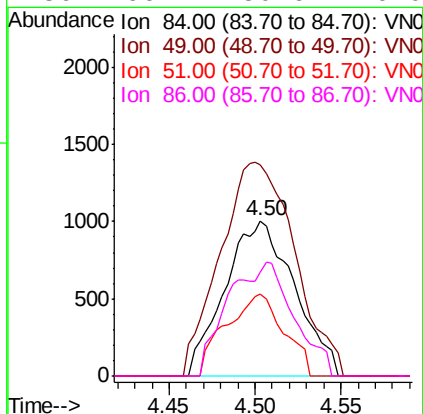
Instrument :
MSVOA_N
ClientSampleId :

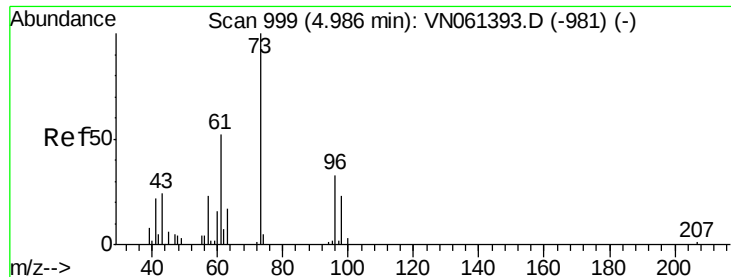
Tot Ion: 41 Resp: 4699
Ion Ratio Lower Upper
41 100
39 80.9 39.6 118.8
76 34.7 17.6 52.9



#18
Methylene Chloride
Concen: 2.356 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 84 Resp: 2826
Ion Ratio Lower Upper
84 100
49 120.8 106.6 160.0
51 52.7 32.4 48.6#
86 66.7 50.6 76.0

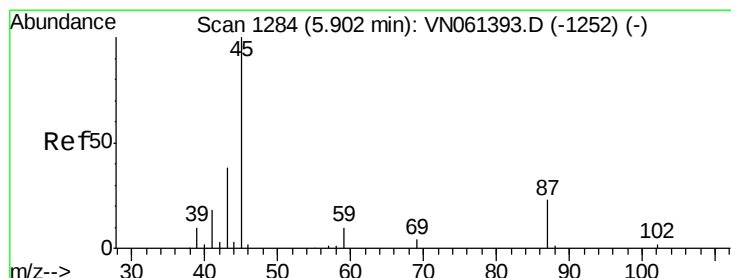
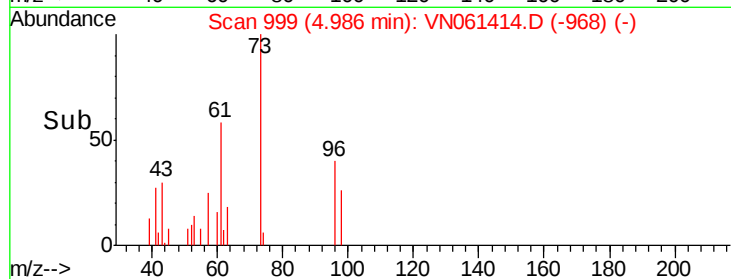
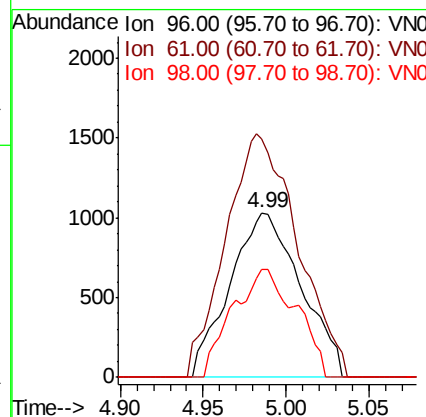
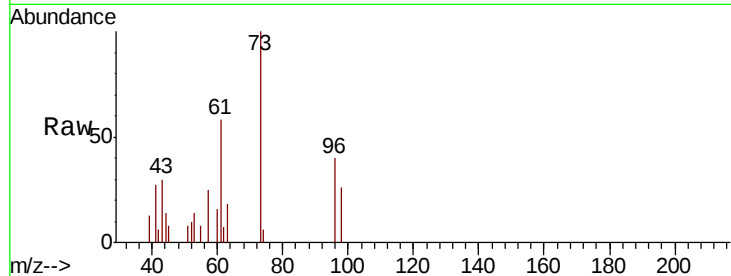




#19
trans-1,2-Dichloroethene
Concen: 2.597 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

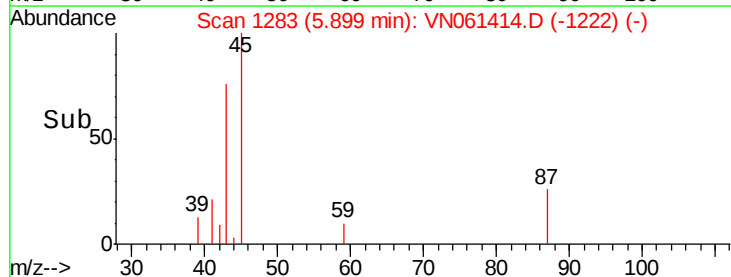
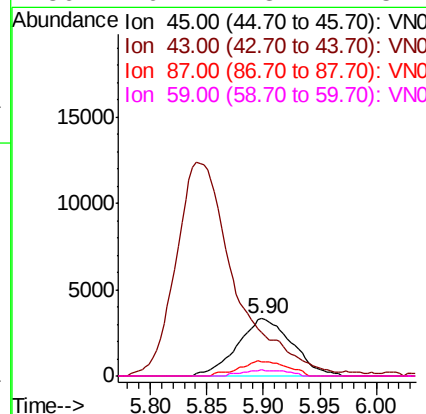
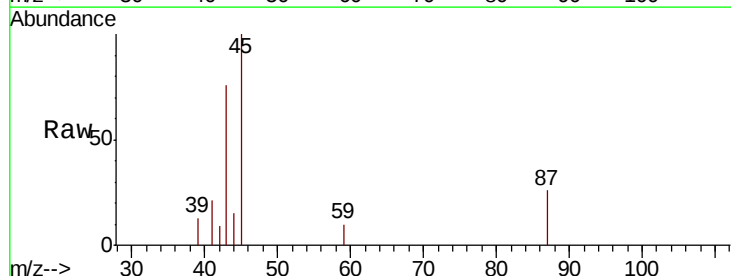
Instrument :
MSVOA_N
ClientSampleId :

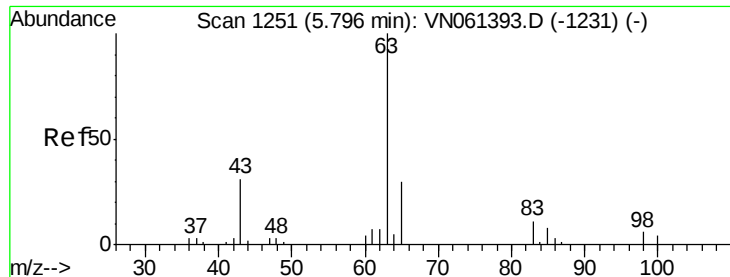
Tot Ion: 96 Resp: 3072
Ion Ratio Lower Upper
96 100
61 129.7 131.8 197.6#
98 65.4 52.6 79.0



#20
Diisopropyl ether
Concen: 2.407 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 45 Resp: 11209
Ion Ratio Lower Upper
45 100
43 68.4 54.7 82.1
87 25.5 21.5 32.3
59 10.2 8.7 13.1

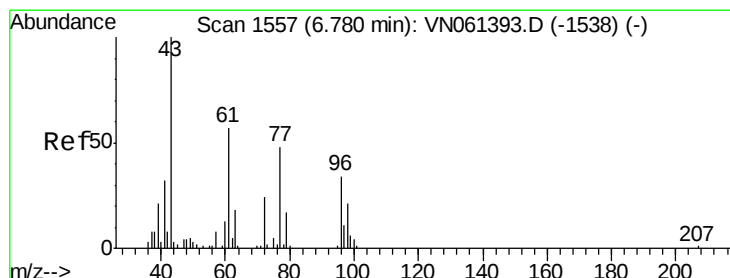
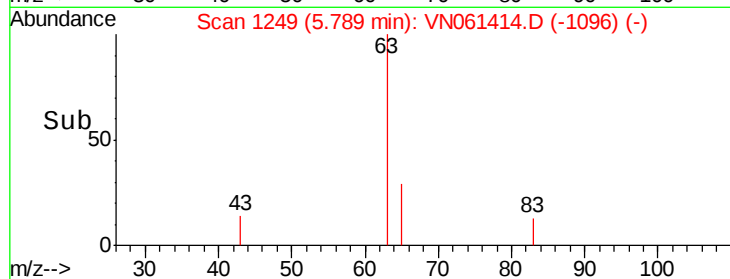
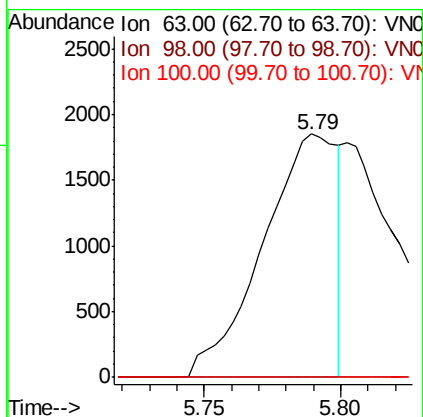
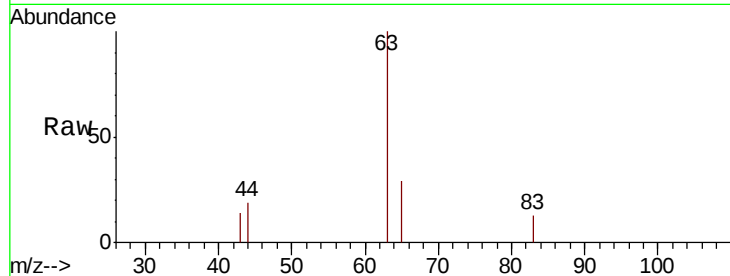




#21
 1,1-Dichloroethane
 Concen: 1.434 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

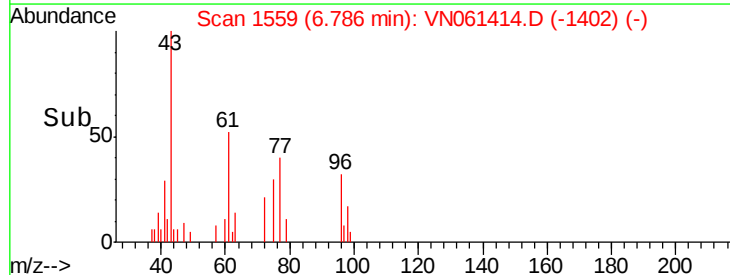
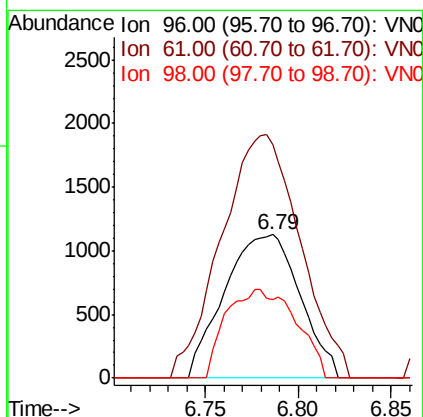
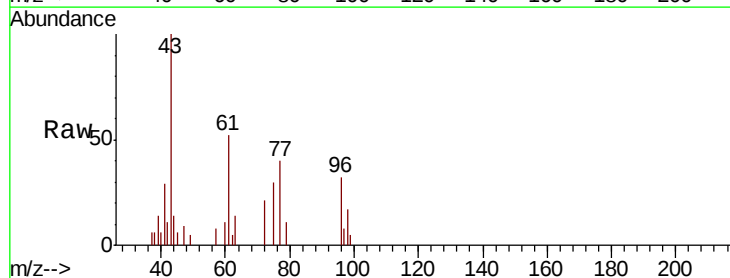
Instrument :
 MSVOA_N
 ClientSampleId :

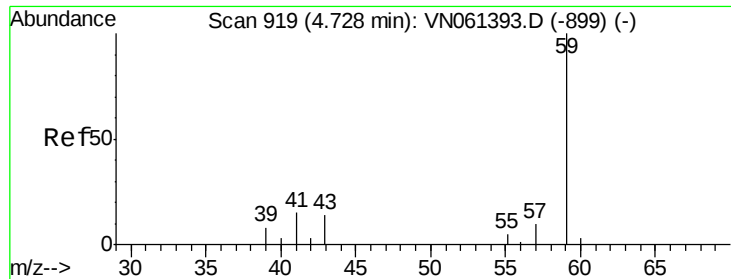
Tot Ion: 63 Resp: 3488
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.9 8.6#
 100 0.0 1.8 5.5#



#22
 cis-1,2-Dichloroethene
 Concen: 2.302 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 96 Resp: 3193
 Ion Ratio Lower Upper
 96 100
 61 176.2 127.2 190.8
 98 37.1 50.5 75.7#



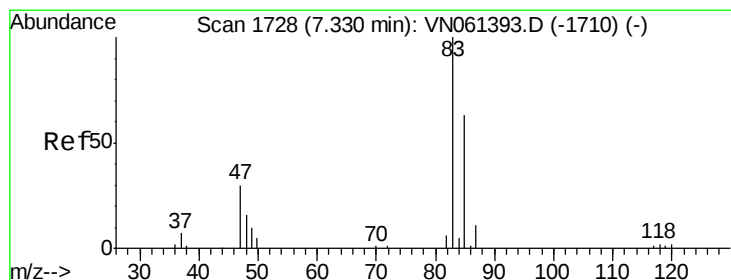
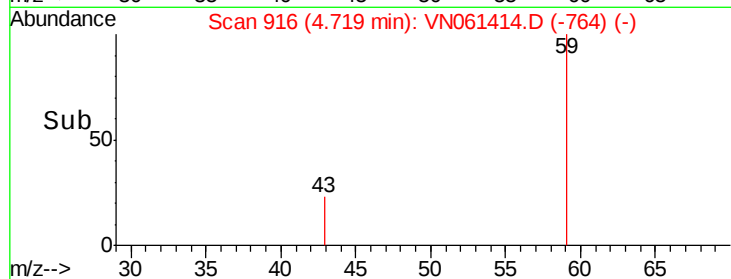
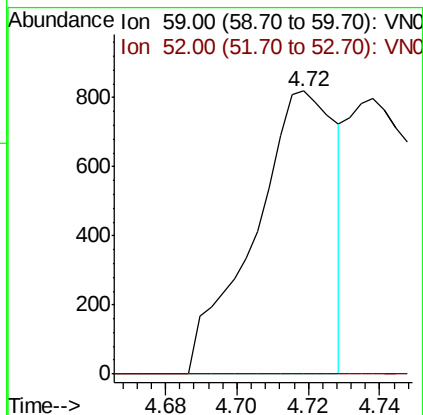
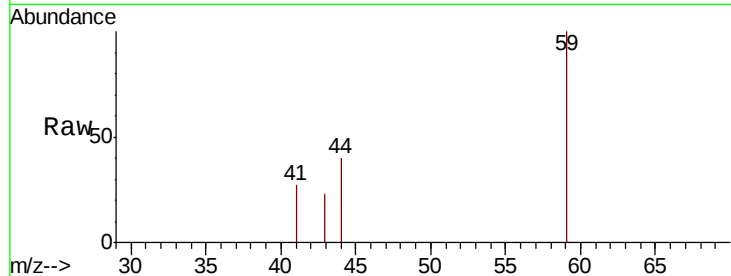


#23

tert-Butyl Alcohol
 Concen: 7.151 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Instrument :
 MSVOA_N
 ClientSampled :

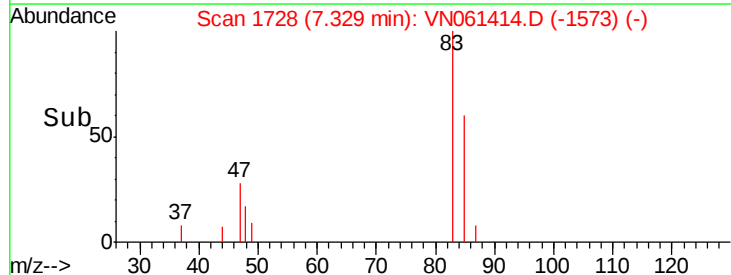
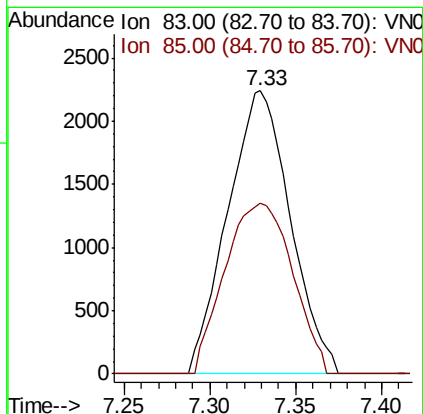
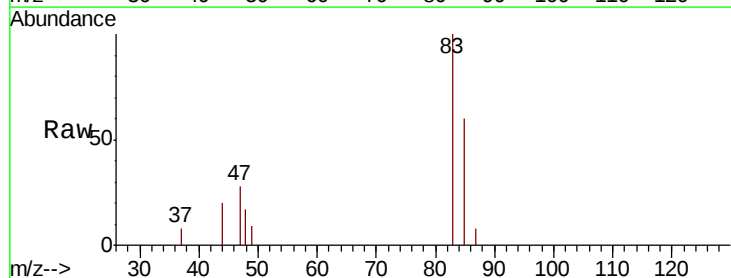
Tot Ion: 59 Resp: 1299
 Ion Ratio Lower Upper
 59 100
 52 457.4 0.0 0.0#

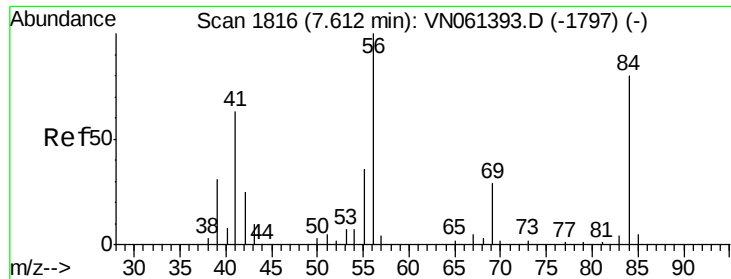


#25

Chloroform
 Concen: 2.406 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 83 Resp: 5672
 Ion Ratio Lower Upper
 83 100
 85 60.2 53.8 80.8

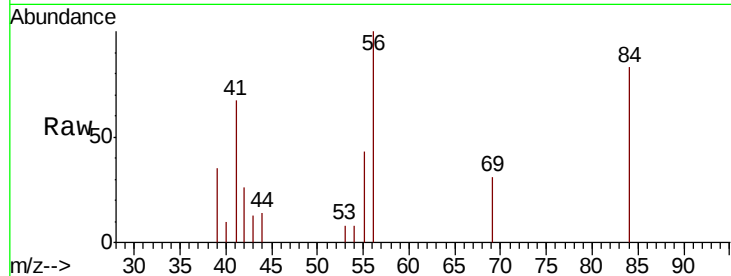




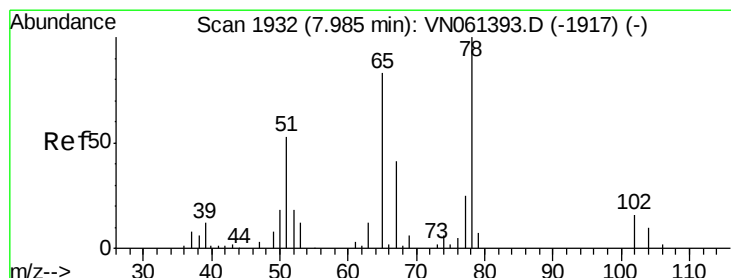
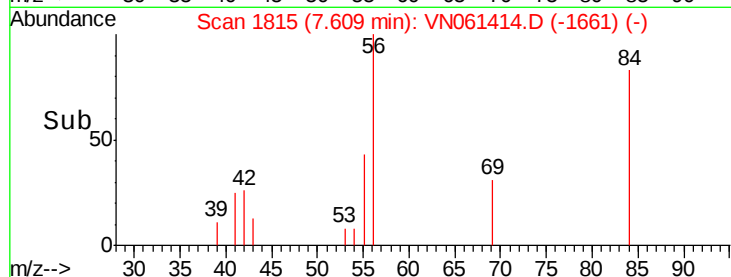
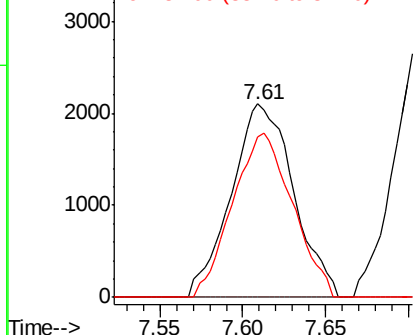
#26
Cyclohexane
Concen: 2.363 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 5488
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 81.5 65.6 98.4

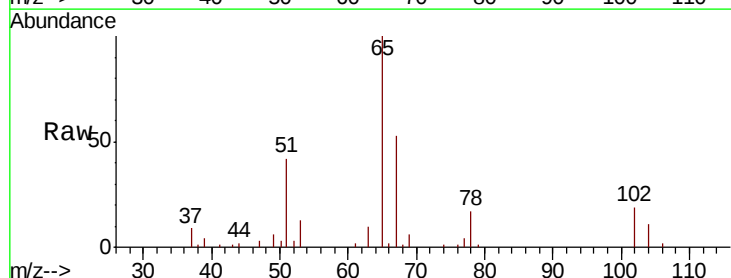


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 89.00 (88.70 to 89.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

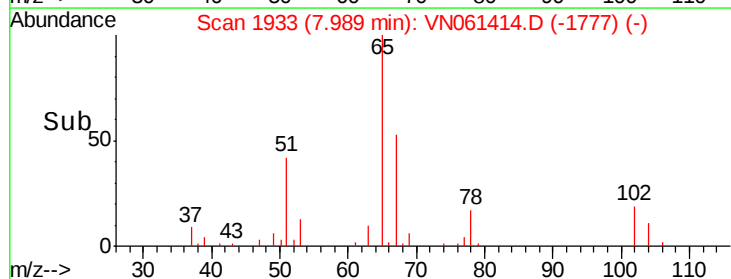
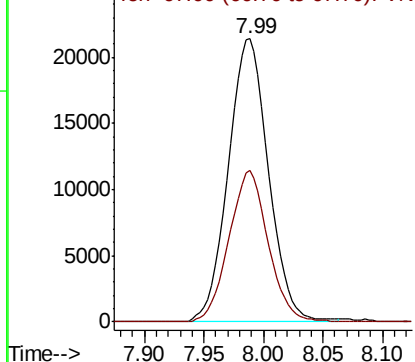


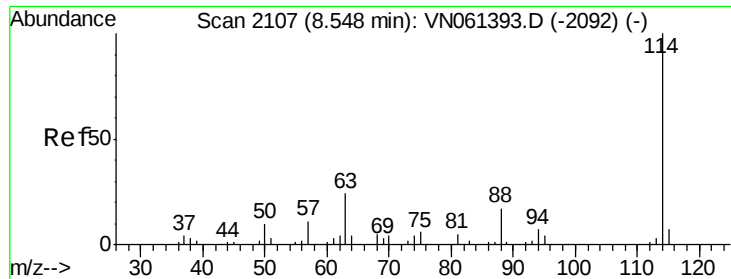
#27
1,2-Dichloroethane-d4
Concen: 30.268 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 65 Resp: 50161
Ion Ratio Lower Upper
65 100
67 51.9 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN0
Ion 67.00 (66.70 to 67.70): VN0

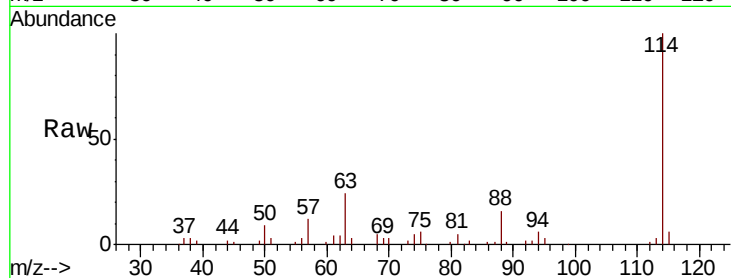




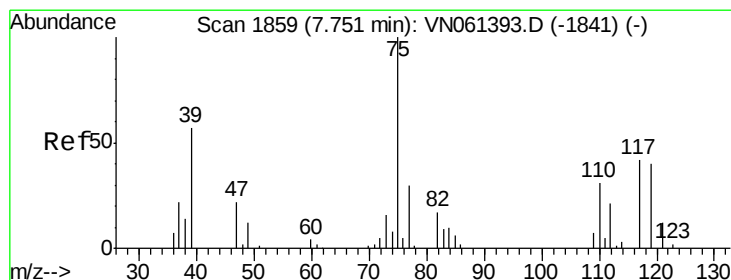
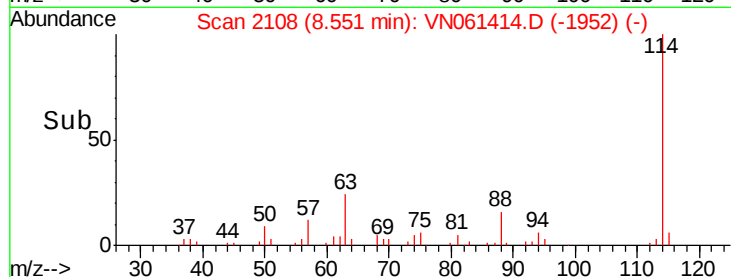
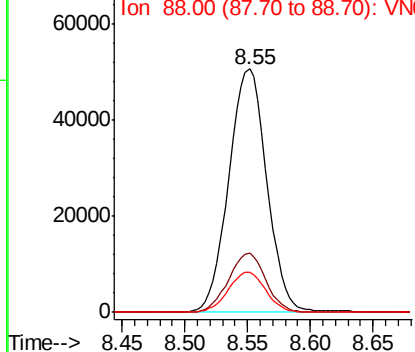
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 106761
 Ion Ratio Lower Upper
 114 100
 63 23.9 18.1 27.1
 88 16.2 13.0 19.4

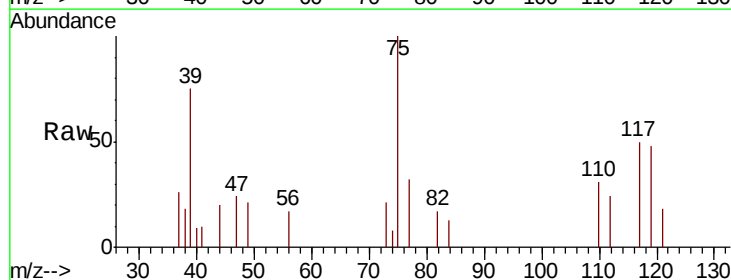


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

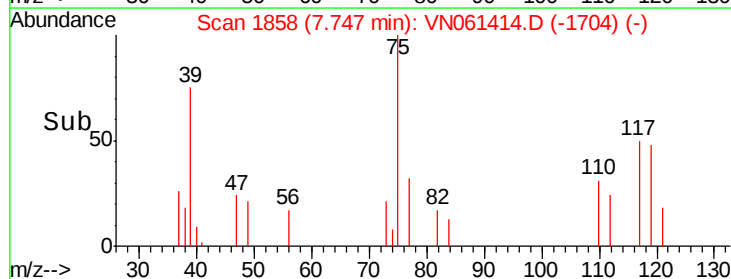
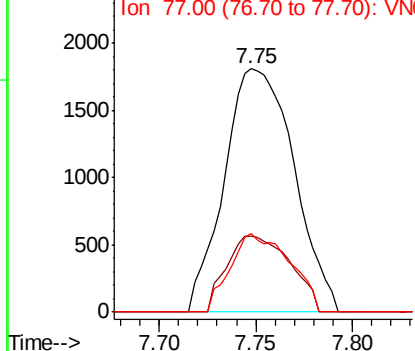


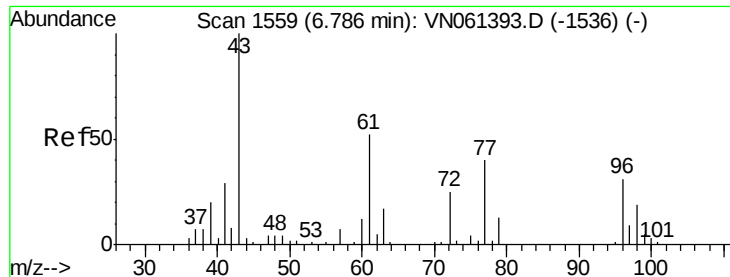
#29
 1,1-Dichloropropene
 Concen: 2.411 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 75 Resp: 4517
 Ion Ratio Lower Upper
 75 100
 110 28.6 0.0 64.6
 77 15.5 0.0 60.8



Abundance Ion 75.00 (74.70 to 75.70): VN
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN

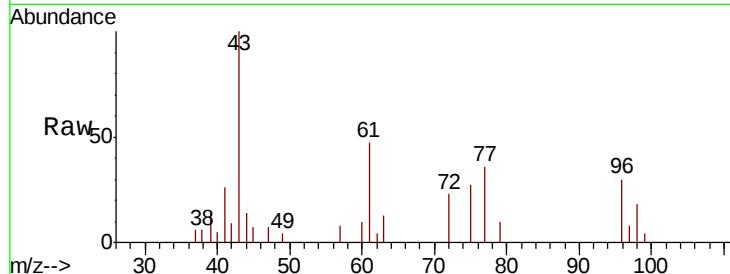




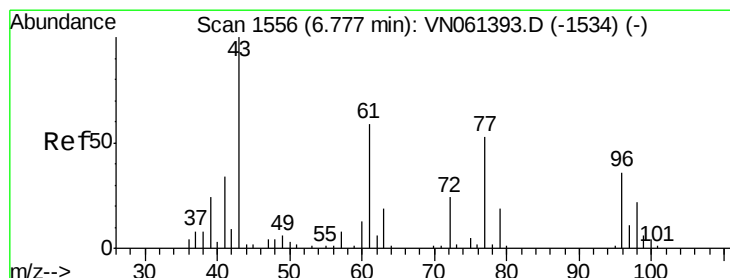
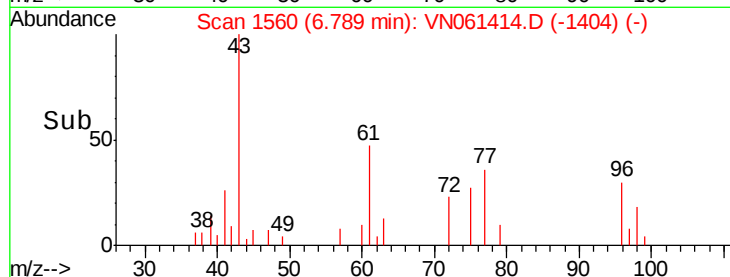
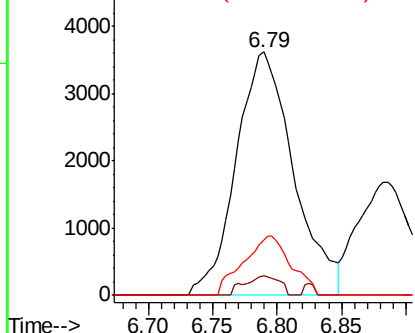
#30
2-Butanone
Concen: 14.180 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 11238
Ion Ratio Lower Upper
43 100
57 4.0 6.5 9.7#
72 20.0 20.1 30.1#

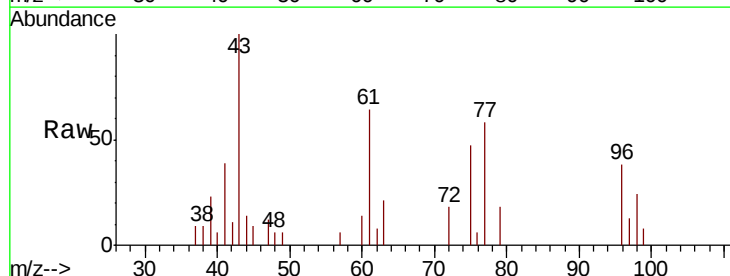


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

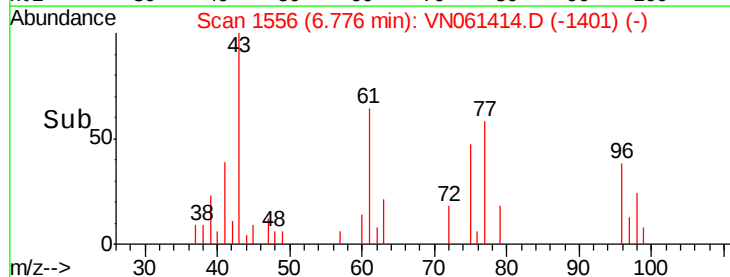
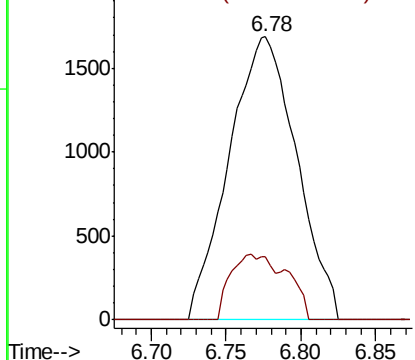


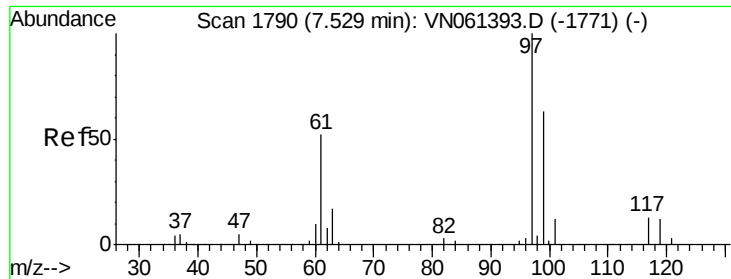
#31
2,2-Dichloropropane
Concen: 2.419 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 77 Resp: 5295
Ion Ratio Lower Upper
77 100
97 9.2 17.9 26.9#



Abundance Ion 77.00 (76.70 to 77.70): VN0
Ion 97.00 (96.70 to 97.70): VN0

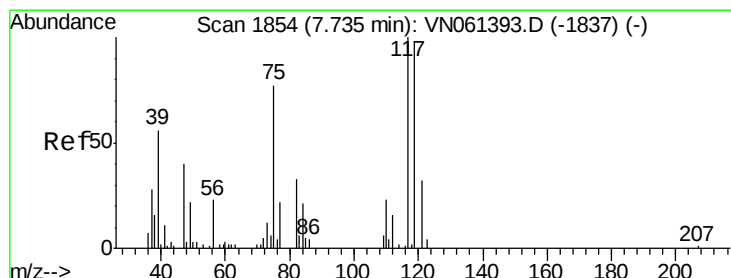
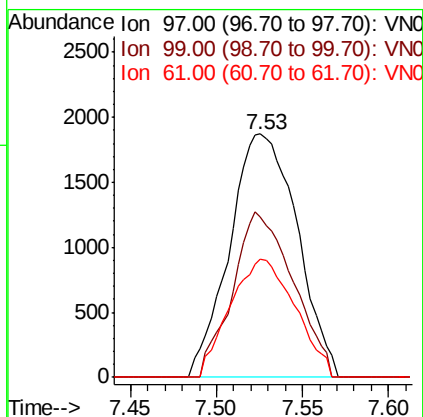
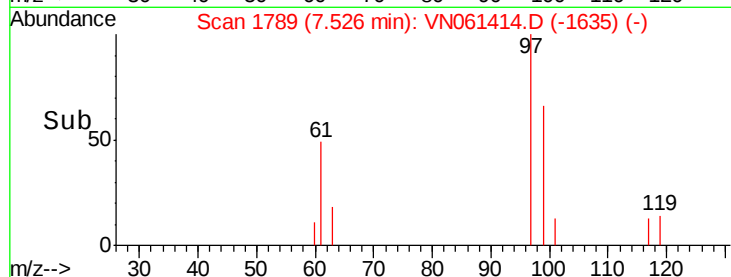
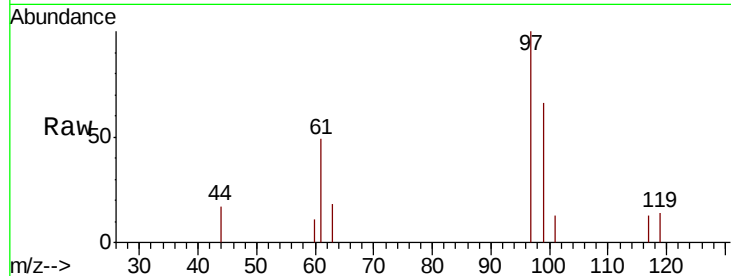




#32
 1,1,1-Trichloroethane
 Concen: 2.443 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

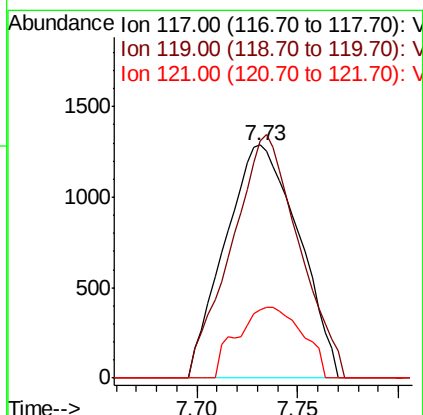
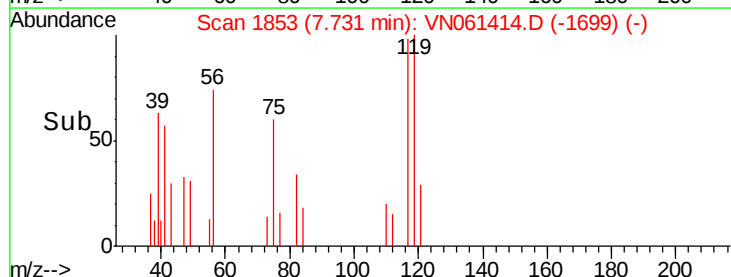
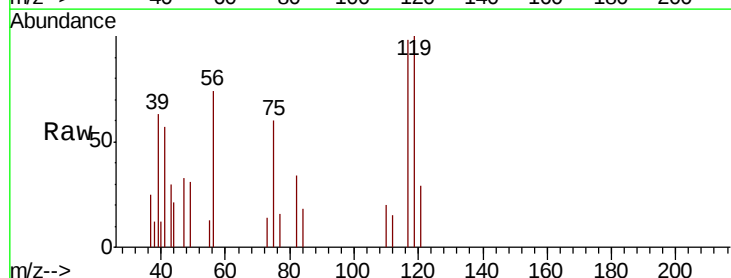
Instrument :
 MSVOA_N
 ClientSampled :

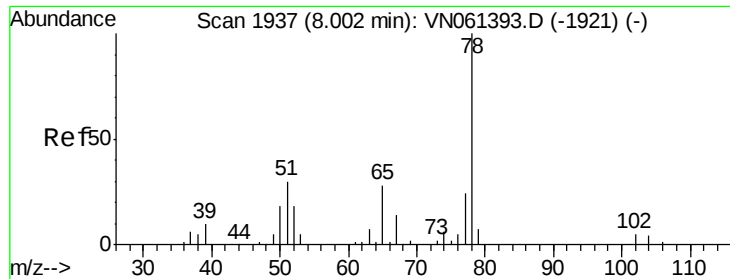
Tot Ion: 97 Resp: 5120
 Ion Ratio Lower Upper
 97 100
 99 60.7 51.3 76.9
 61 46.7 38.4 57.6



#33
 Carbon Tetrachloride
 Concen: 2.030 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 117 Resp: 3266
 Ion Ratio Lower Upper
 117 100
 119 101.7 76.9 115.3
 121 29.6 23.8 35.8





#34

Benzene

Concen: 2.337 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

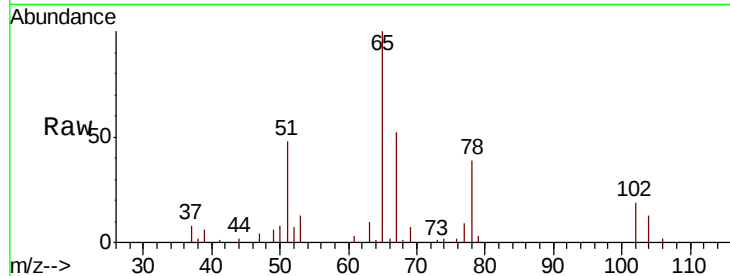
Tot Ion: 78 Resp: 12386

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8

51 121.4 22.1 33.1#

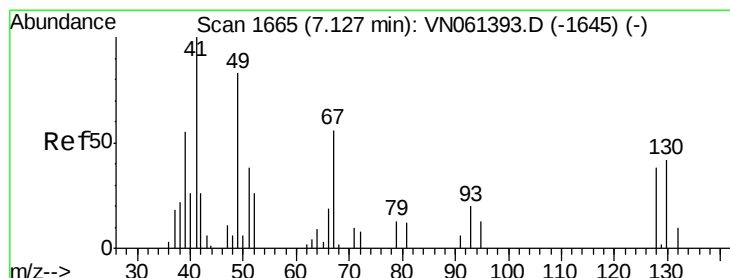
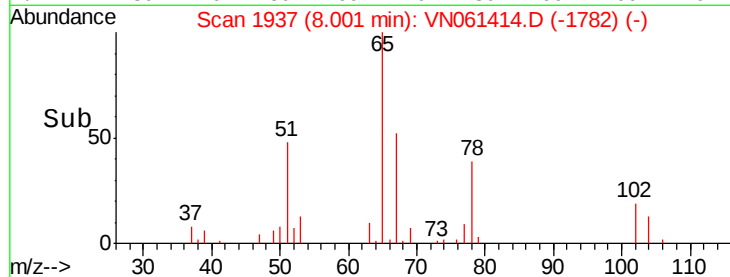
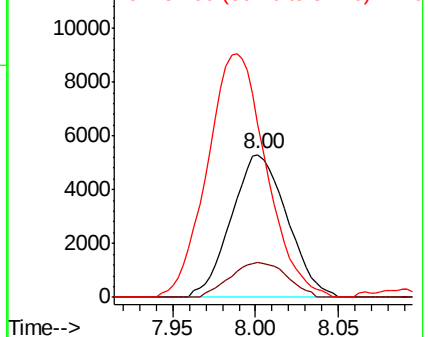


Abundance

Ion 78.10 (77.80 to 78.80): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#35

Methacrylonitrile

Concen: 2.321 ug/l

RT: 7.12 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Tgt Ion: 41 Resp: 1845

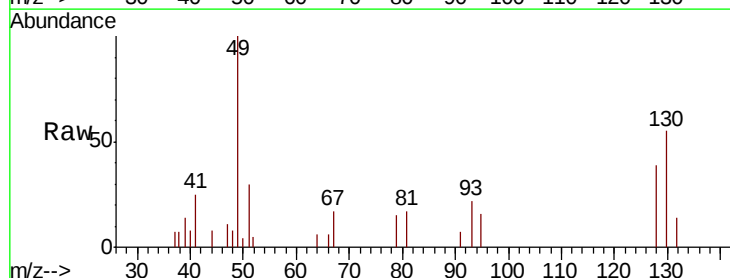
Ion Ratio Lower Upper

41 100

39 55.1 25.8 77.4

67 65.9 23.0 69.0

52 21.0 10.1 30.1



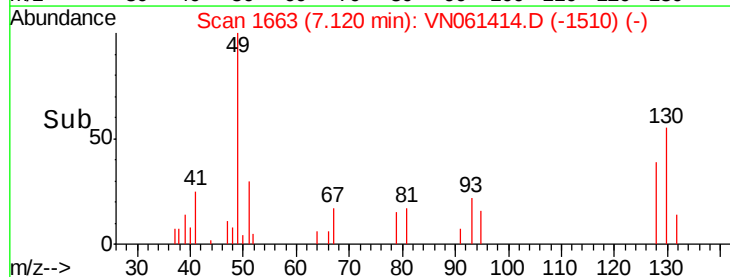
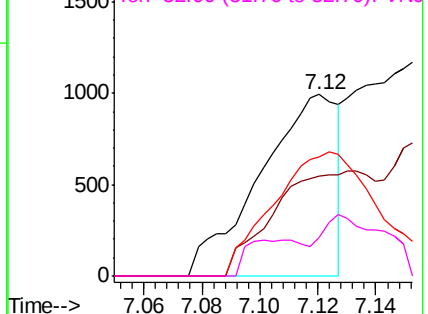
Abundance

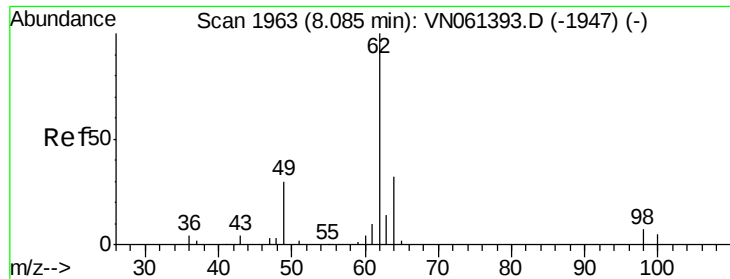
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#36

1,2-Dichloroethane

Concen: 2.522 ug/l

RT: 8.09 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

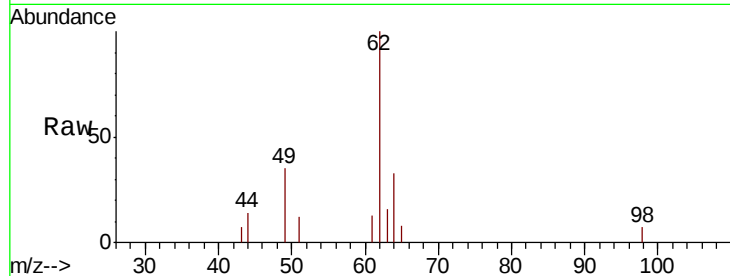
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 62 Resp: 5132

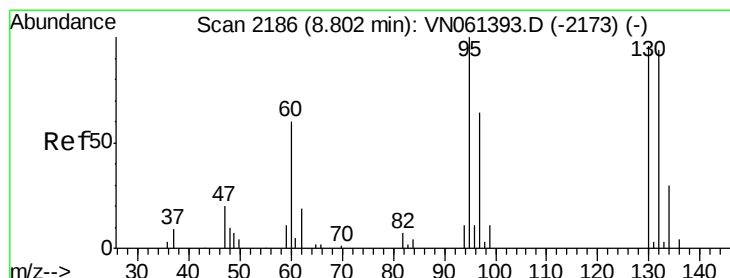
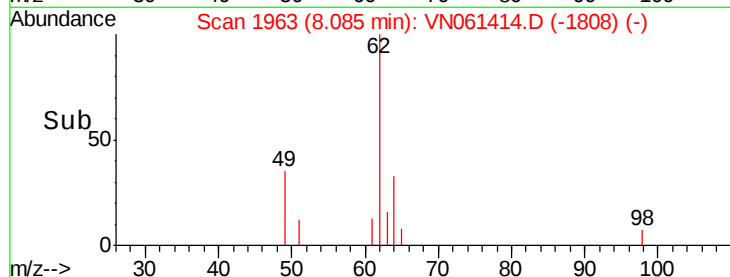
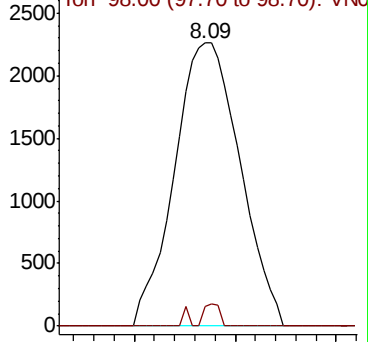
Ion Ratio Lower Upper

62 100

98 1.9 6.4 9.6#



Abundance Ion 62.00 (61.70 to 62.70): VN061414.D (-1947) (-)



#37

Trichloroethene

Concen: 2.524 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061414.D

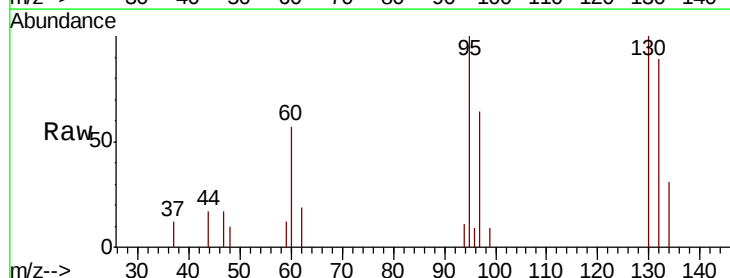
Acq: 15 May 2020 17:12

Tgt Ion:130 Resp: 3294

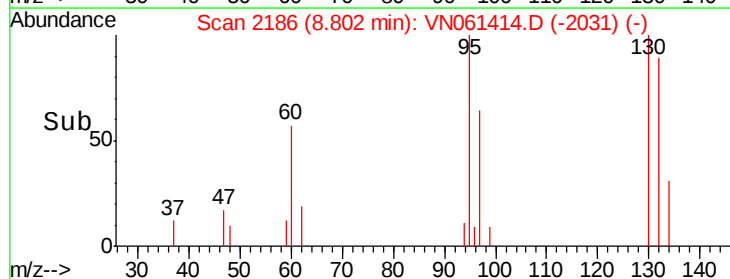
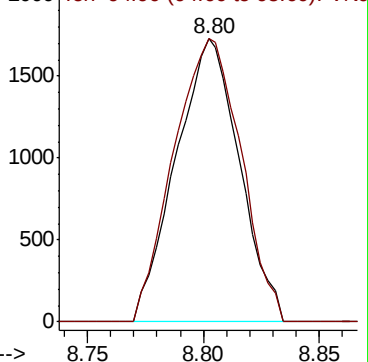
Ion Ratio Lower Upper

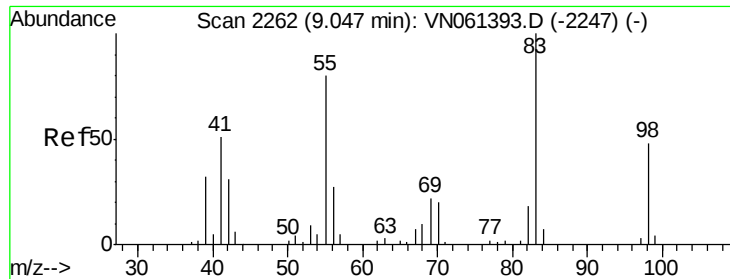
130 100

95 100.0 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): VN061414.D (-2031) (-)

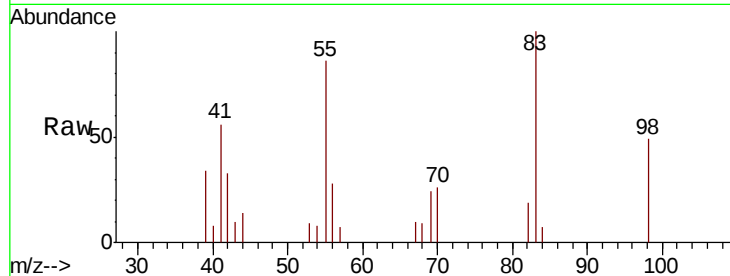




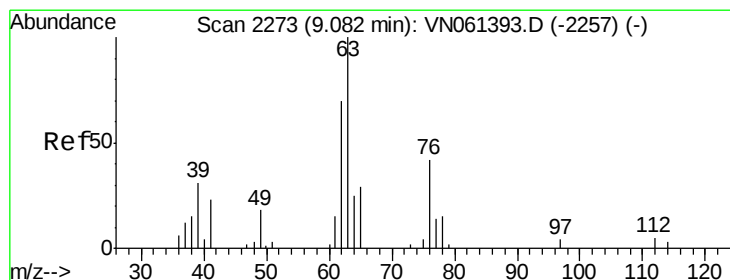
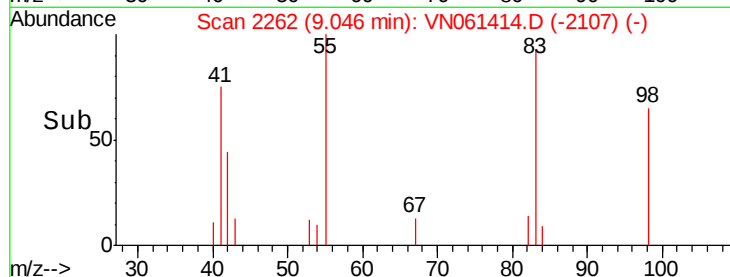
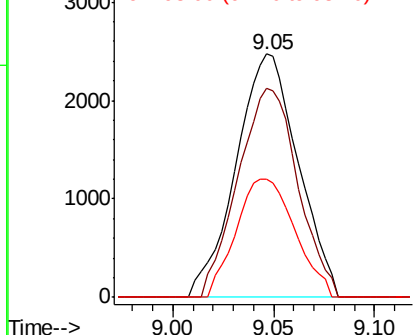
#38
Methylcyclohexane
Concen: 2.356 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 5298
Ion Ratio Lower Upper
83 100
55 83.1 40.4 121.1
98 46.2 21.6 65.0

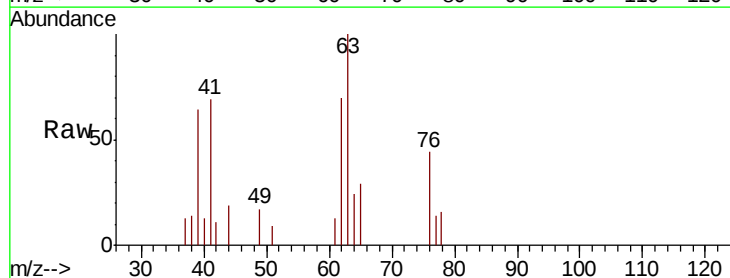


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

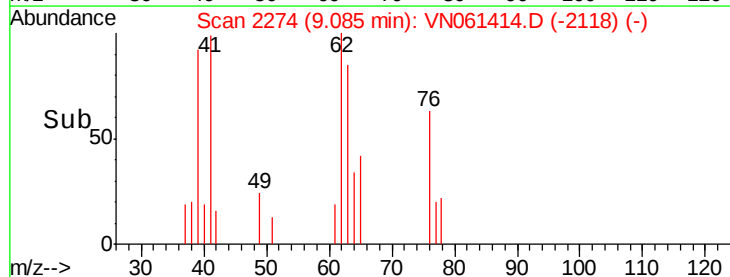
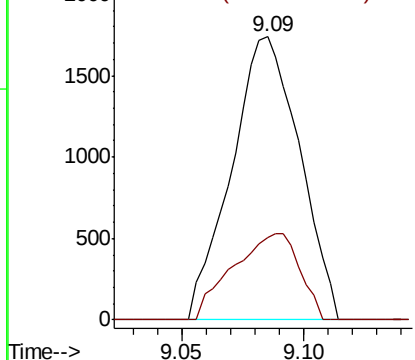


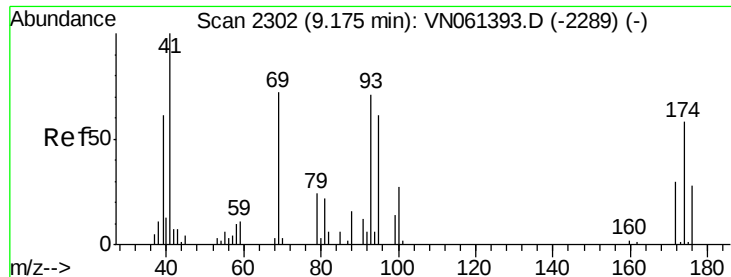
#39
1,2-Dichloropropane
Concen: 2.307 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 63 Resp: 3362
Ion Ratio Lower Upper
63 100
65 29.0 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0





#40

Dibromomethane

Concen: 2.509 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

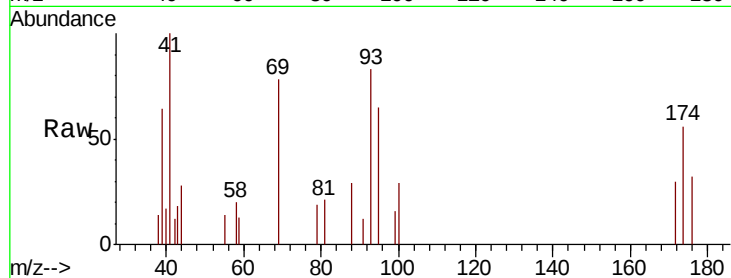
Tot Ion: 93 Resp: 2258

Ion Ratio Lower Upper

93 100

95 80.7 0.0 167.6

174 80.3 0.0 187.2

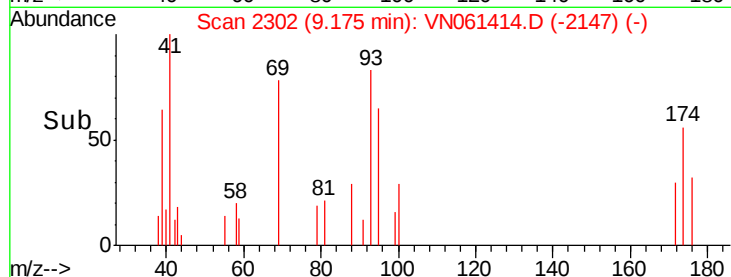


Abundance Ion 93.00 (92.70 to 93.70): VN061414.D (-2289) (-)

Ion 95.00 (94.70 to 95.70): VN061414.D (-2289) (-)

Ion 174.00 (173.70 to 174.70): VN061414.D (-2289) (-)

Time-->

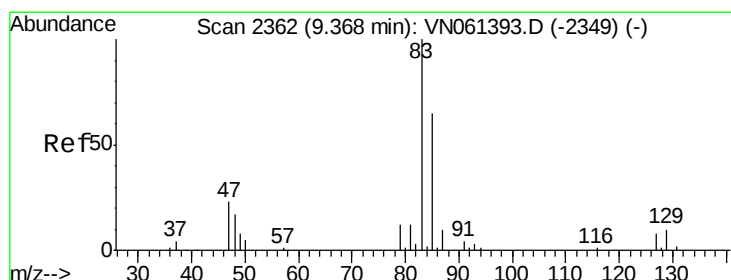


Abundance Ion 93.00 (92.70 to 93.70): VN061414.D (-2147) (-)

Ion 95.00 (94.70 to 95.70): VN061414.D (-2147) (-)

Ion 174.00 (173.70 to 174.70): VN061414.D (-2147) (-)

Time-->



#41

Bromodichloromethane

Concen: 2.358 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

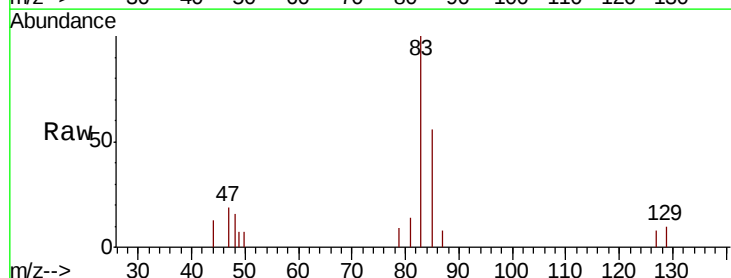
Tgt Ion: 83 Resp: 4603

Ion Ratio Lower Upper

83 100

85 55.6 51.0 76.4

127 7.9 6.6 9.8

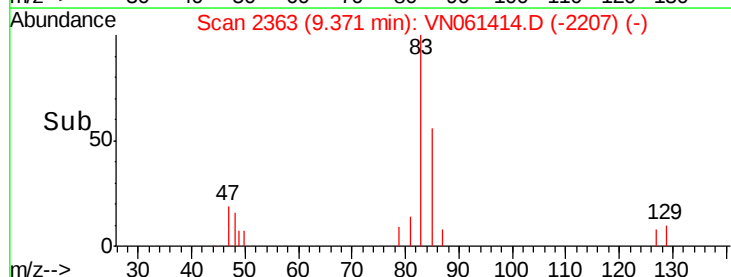


Abundance Ion 83.00 (82.70 to 83.70): VN061414.D (-2349) (-)

Ion 85.00 (84.70 to 85.70): VN061414.D (-2349) (-)

Ion 127.00 (126.70 to 127.70): VN061414.D (-2349) (-)

Time-->

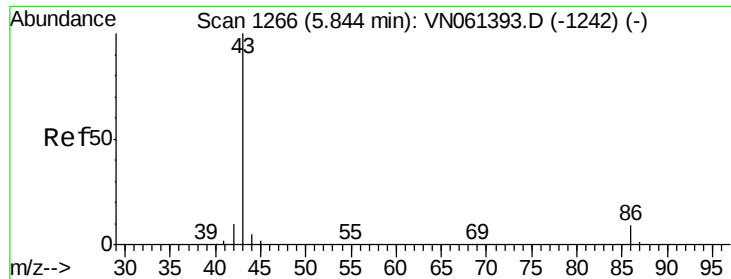


Abundance Ion 83.00 (82.70 to 83.70): VN061414.D (-2207) (-)

Ion 85.00 (84.70 to 85.70): VN061414.D (-2207) (-)

Ion 127.00 (126.70 to 127.70): VN061414.D (-2207) (-)

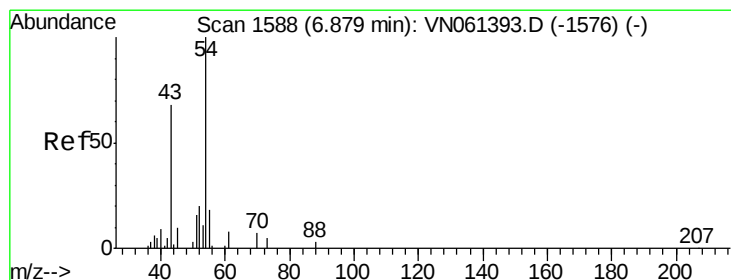
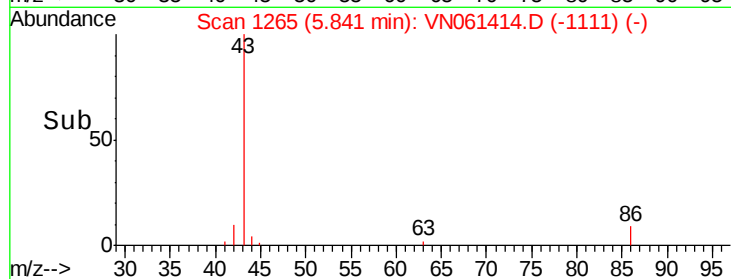
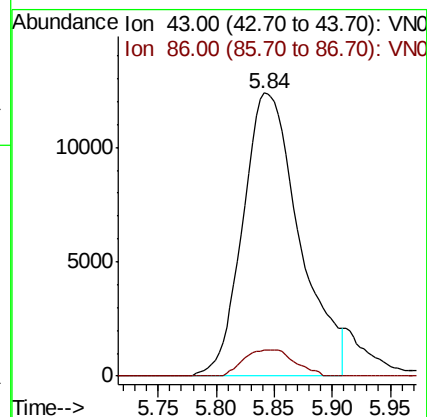
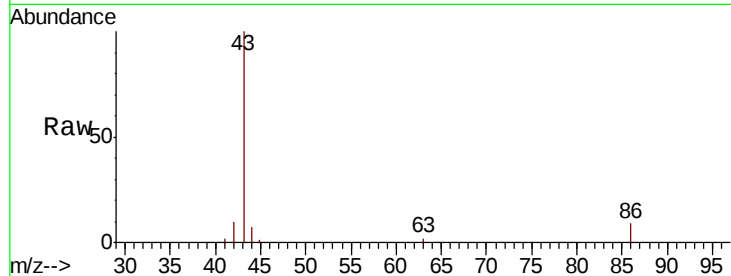
Time-->



#42
Vinyl Acetate
Concen: 11.185 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

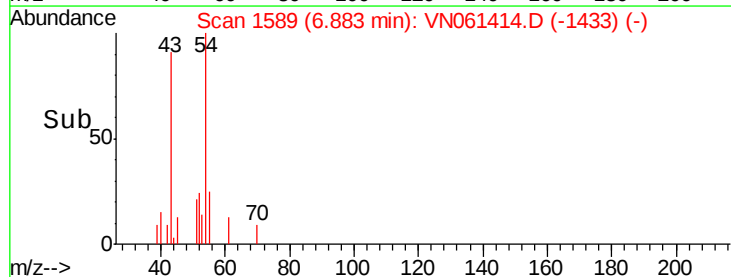
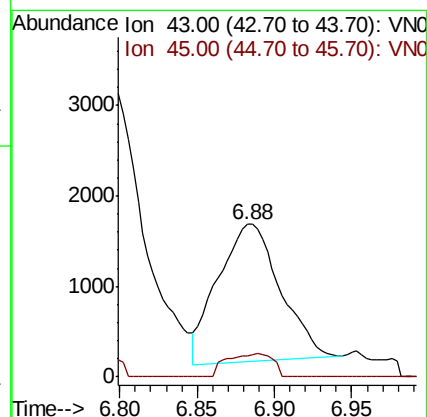
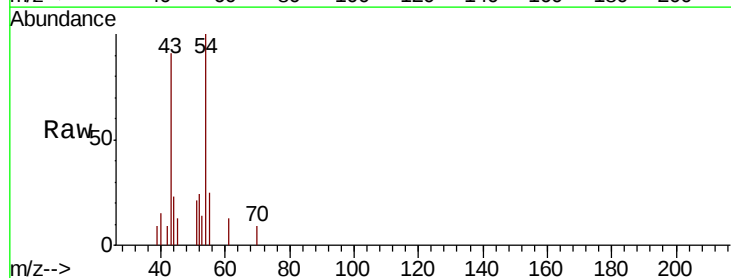
Instrument :
MSVOA_N
ClientSampled :

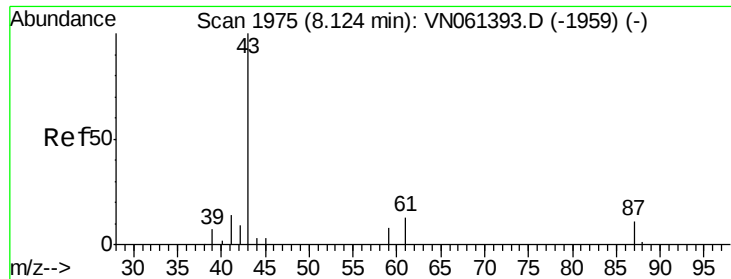
Tot Ion: 43 Resp: 42095
Ion Ratio Lower Upper
43 100
86 8.4 6.5 9.7



#43
Ethyl Acetate
Concen: 2.512 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 43 Resp: 4253
Ion Ratio Lower Upper
43 100
45 12.7 9.7 14.5





#44

Isopropyl Acetate

Concen: 2.583 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

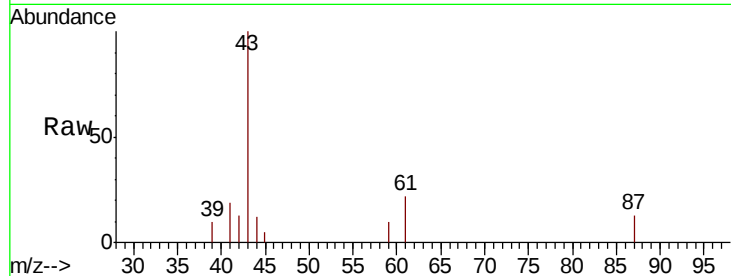
ClientSampleId :

Tot Ion: 43 Resp: 8489

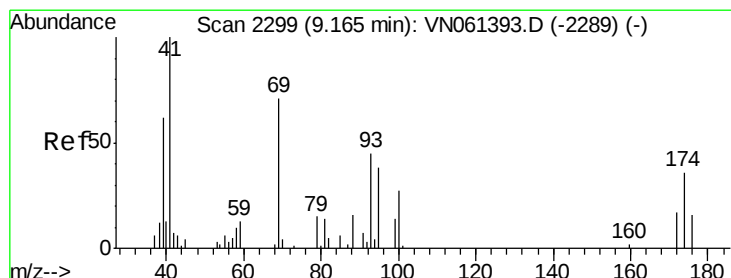
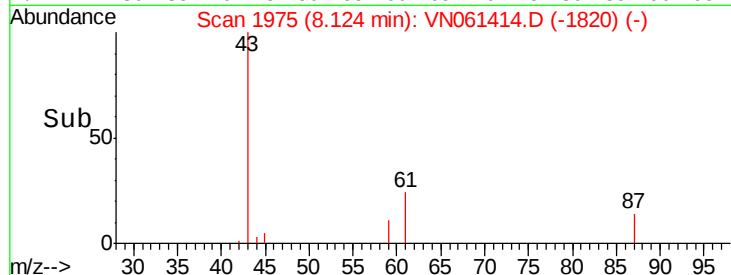
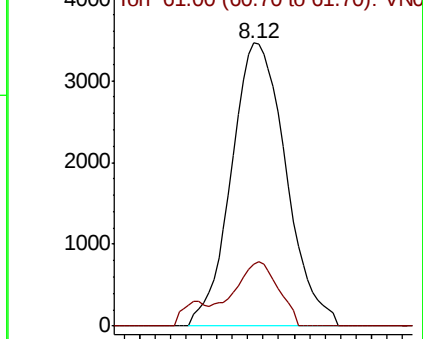
Ion Ratio Lower Upper

43 100

61 16.8 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN061414.D (-1959) (-)



#45

1,4-Dioxane

Concen: 89.049 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

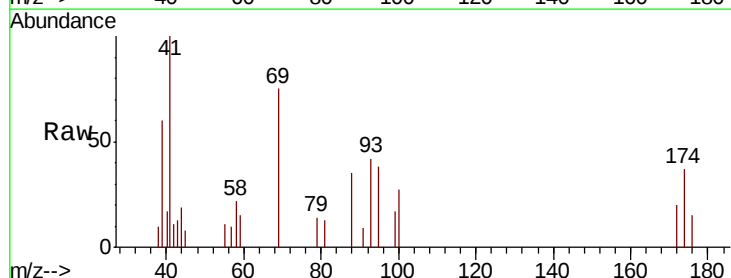
Tgt Ion: 88 Resp: 1155

Ion Ratio Lower Upper

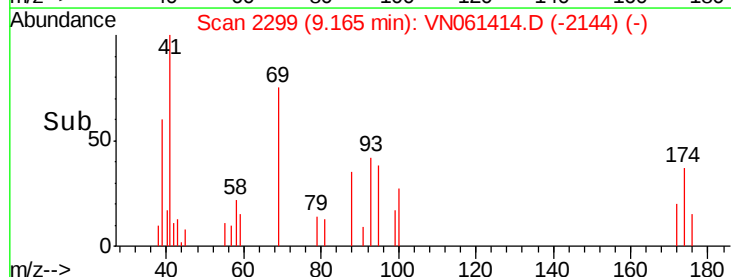
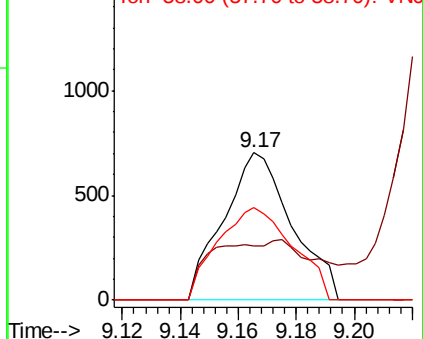
88 100

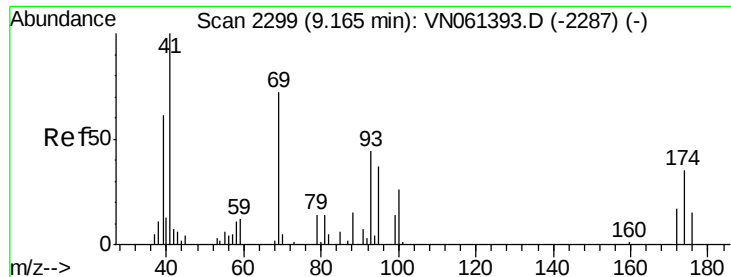
43 493.2 29.8 44.8#

58 68.7 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VN061414.D (-2289) (-)

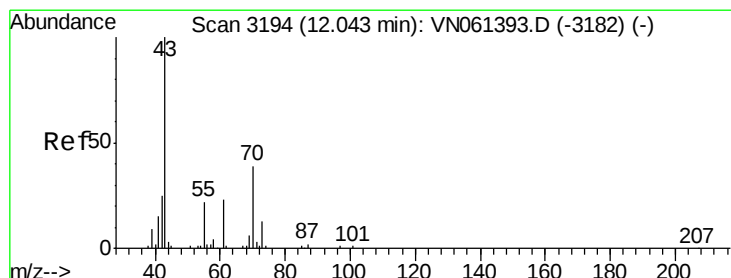
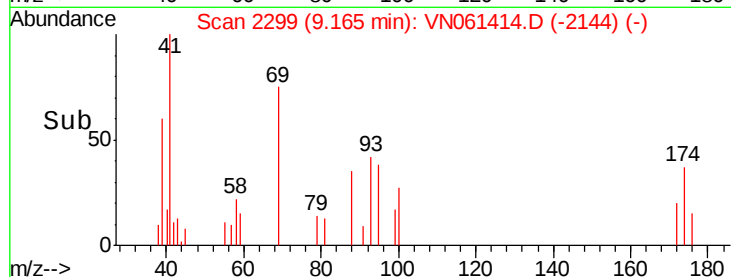
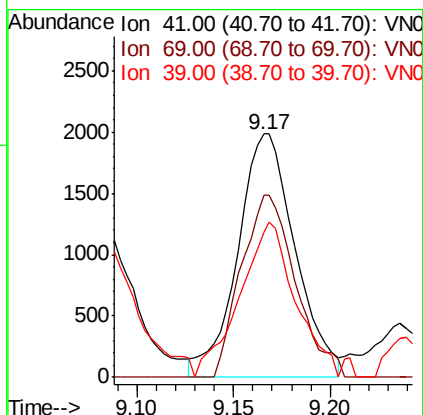
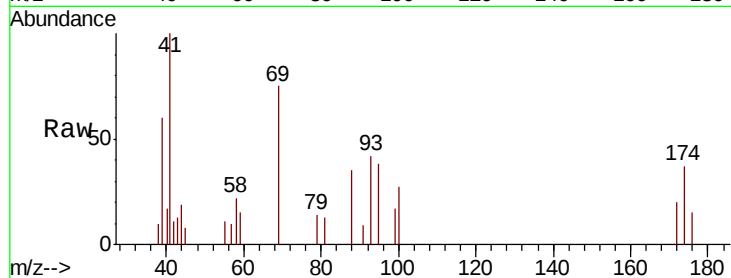




#46
Methyl methacrylate
Concen: 2.654 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

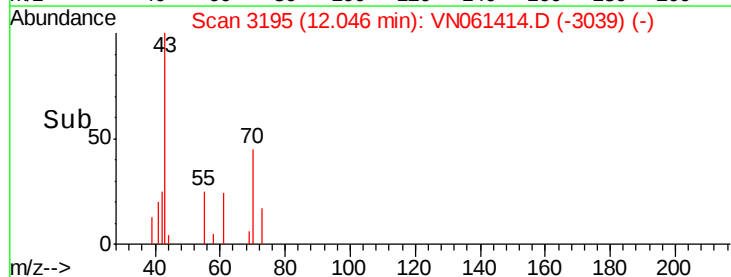
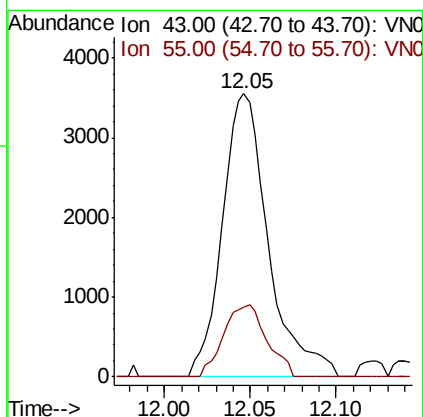
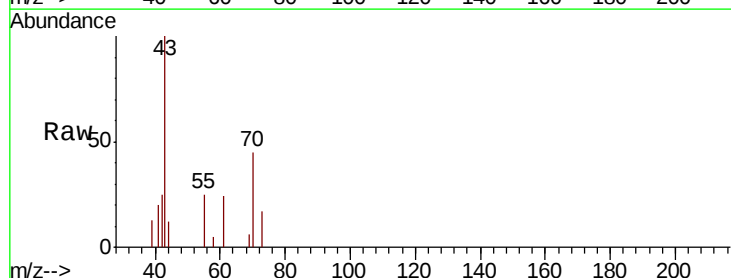
Instrument :
MSVOA_N
ClientSampled :

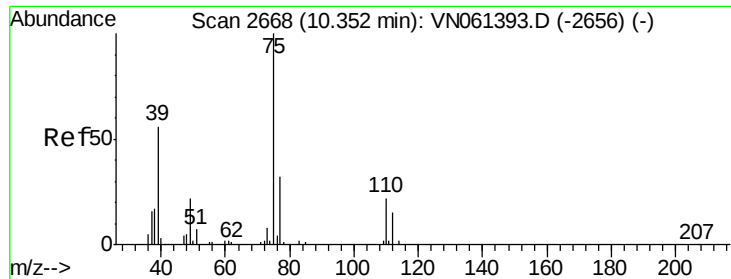
Tot Ion: 41 Resp: 4102
Ion Ratio Lower Upper
41 100
69 80.8 40.2 120.5
39 64.7 29.9 89.8



#47
n-ethyl acetate
Concen: 2.263 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 43 Resp: 6633
Ion Ratio Lower Upper
43 100
55 23.8 19.6 29.4

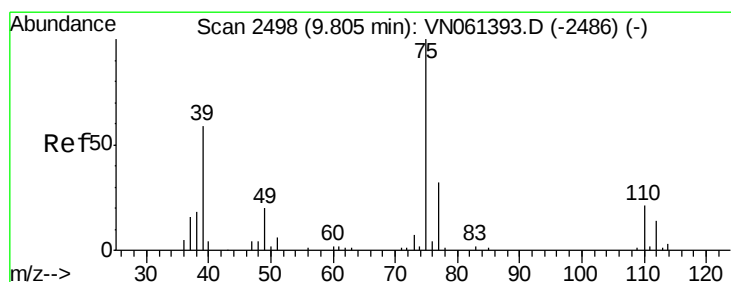
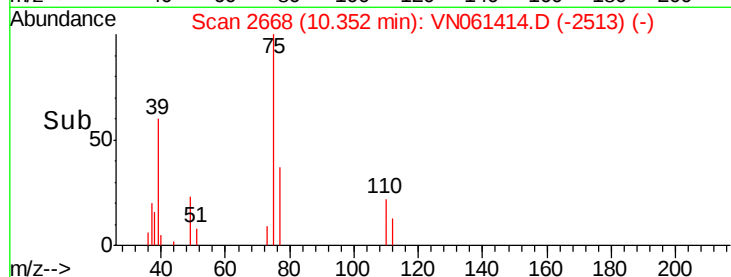
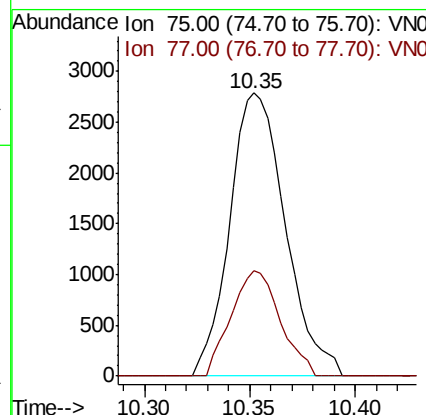
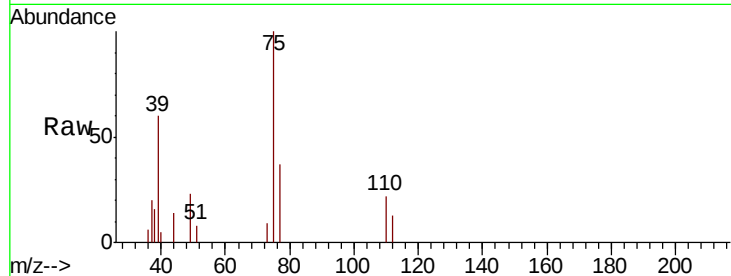




#48
 t-1,3-Dichloropropene
 Concen: 2.219 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

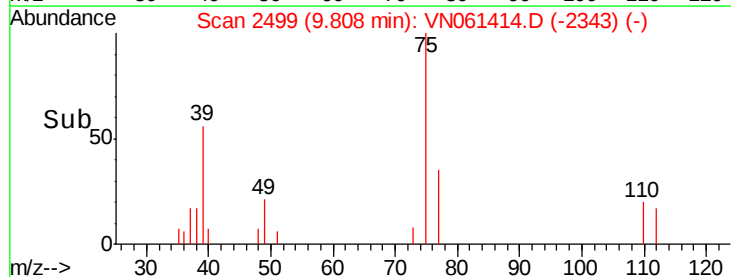
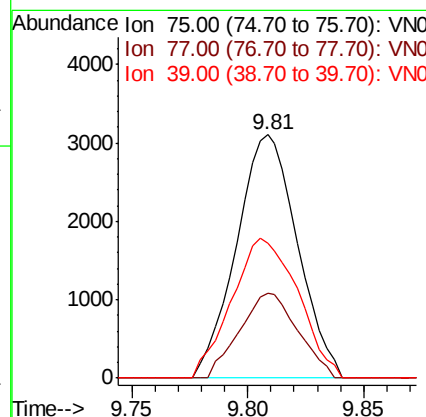
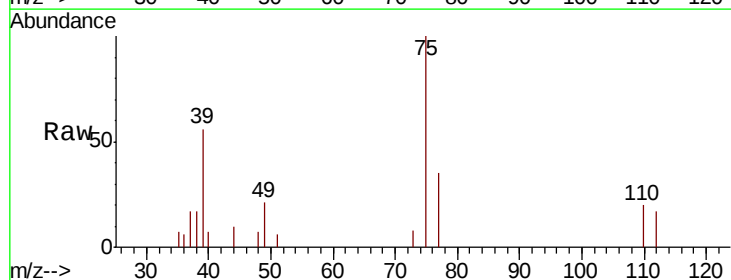
Instrument :
 MSVOA_N
 ClientSampled :

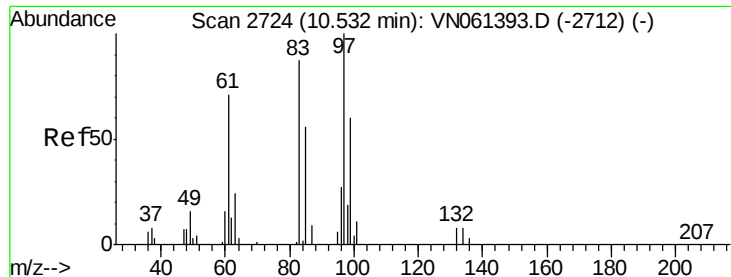
Tot Ion: 75 Resp: 5112
 Ion Ratio Lower Upper
 75 100
 77 37.2 27.0 40.4



#49
 cis-1,3-Dichloropropene
 Concen: 2.322 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 75 Resp: 5660
 Ion Ratio Lower Upper
 75 100
 77 35.1 26.1 39.1
 39 55.6 43.1 64.7

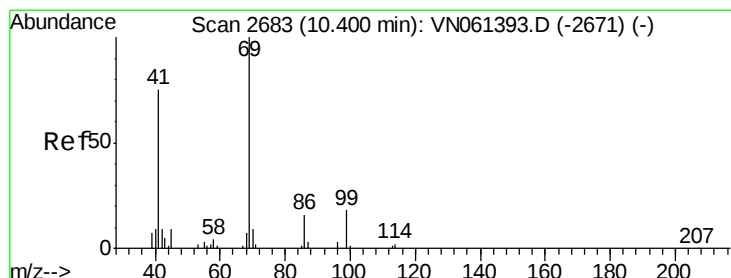
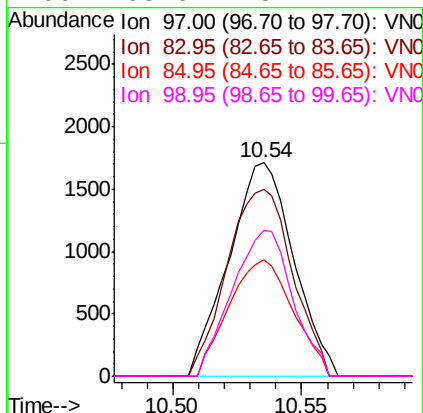
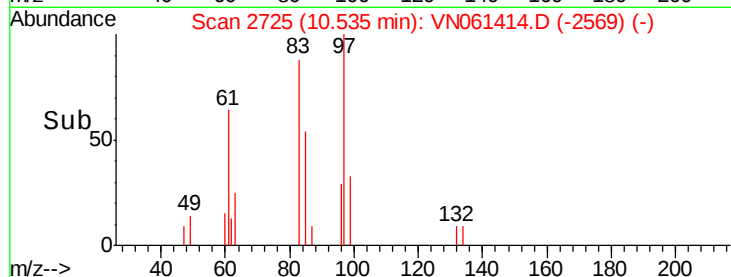
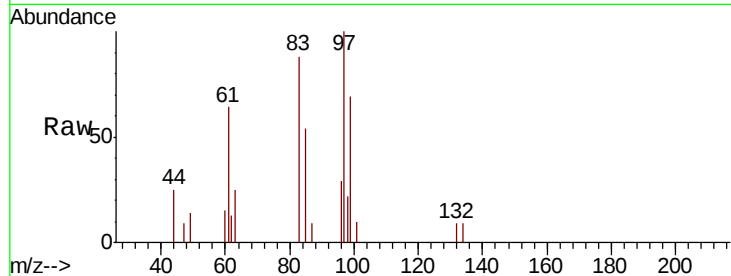




#50
 1,1,2-Trichloroethane
 Concen: 2.406 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

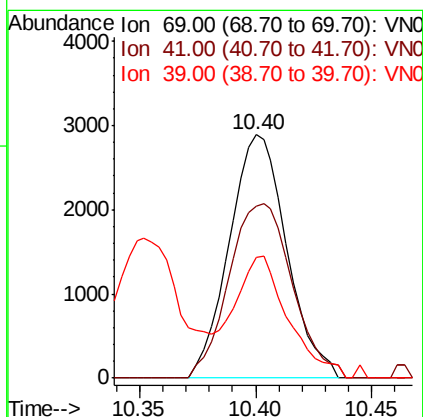
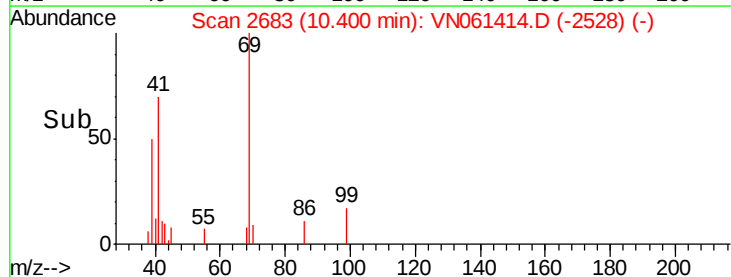
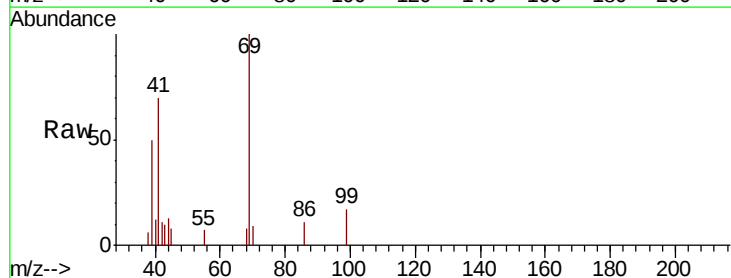
Instrument :
 MSVOA_N
 ClientSampled :

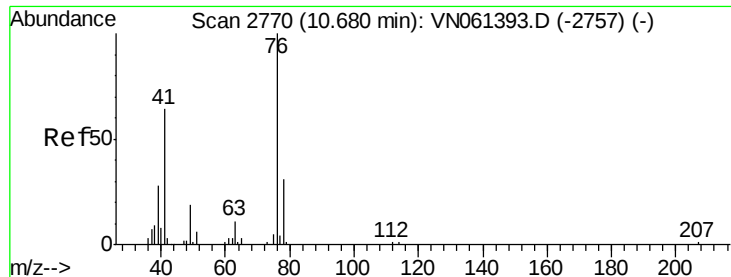
Tot Ion: 97 Resp: 2994
 Ion Ratio Lower Upper
 97 100
 83 87.7 70.7 106.1
 85 54.4 45.1 67.7
 99 68.6 48.2 72.4



#51
 Ethyl methacrylate
 Concen: 2.316 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 69 Resp: 4965
 Ion Ratio Lower Upper
 69 100
 41 70.5 34.7 104.1
 39 44.3 20.3 60.8





#52

1,3-Dichloropropane

Concen: 2.423 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

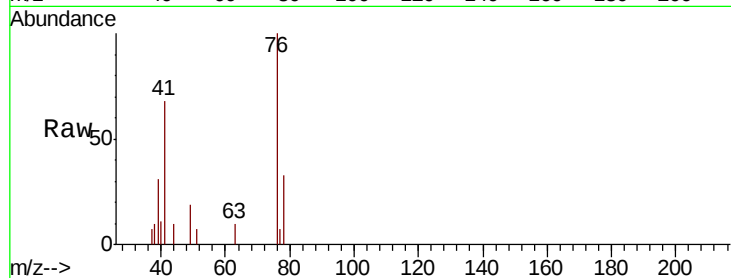
ClientSampled :

Tot Ion: 76 Resp: 5505

Ion Ratio Lower Upper

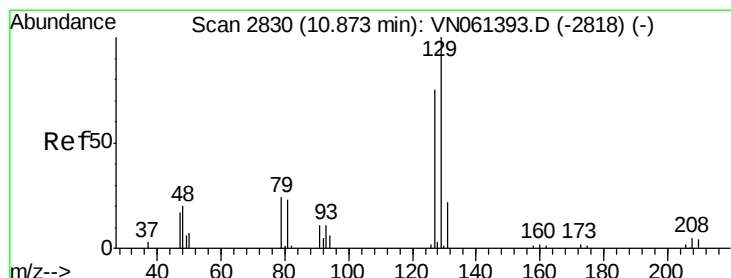
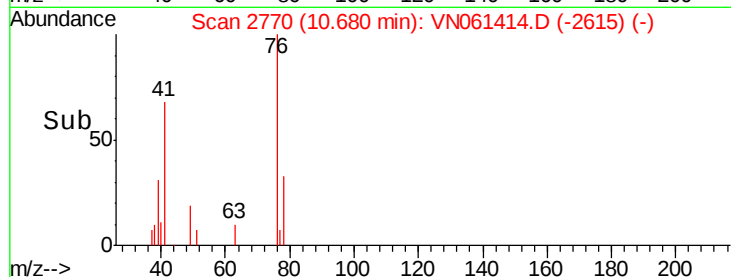
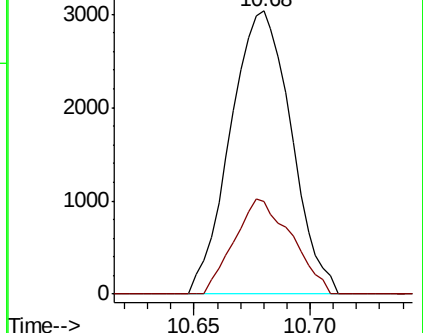
76 100

78 31.9 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN061393.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN061393.D (-2757) (-)



#53

Dibromochloromethane

Concen: 2.141 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061414.D

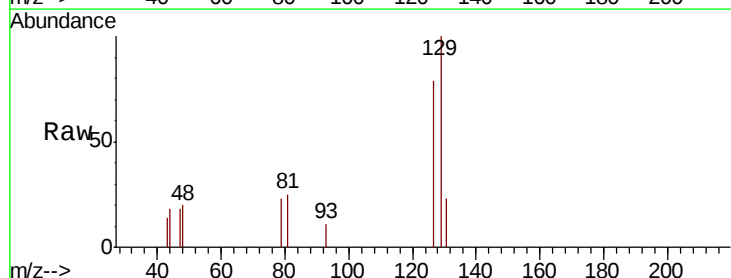
Acq: 15 May 2020 17:12

Tgt Ion: 129 Resp: 2919

Ion Ratio Lower Upper

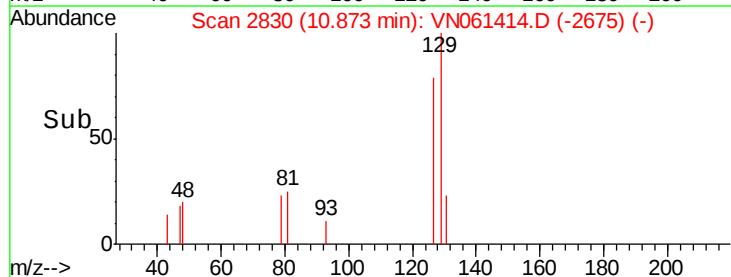
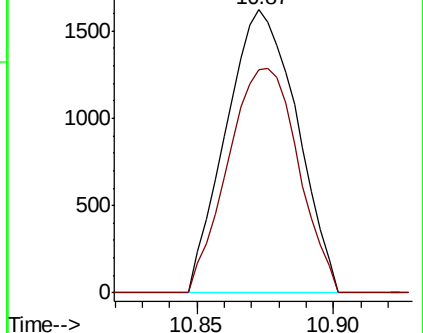
129 100

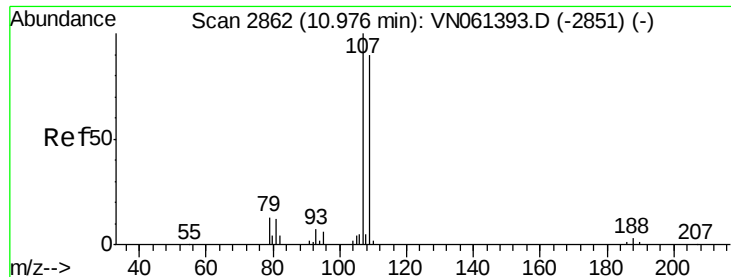
127 78.9 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): VN061393.D (-2818) (-)

Ion 127.00 (126.70 to 127.70): VN061393.D (-2818) (-)





#54

1,2-Dibromoethane

Concen: 2.308 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

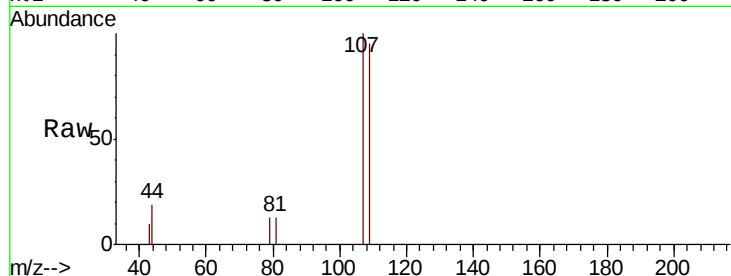
ClientSampled :

Tot Ion:107 Resp: 2963

Ion Ratio Lower Upper

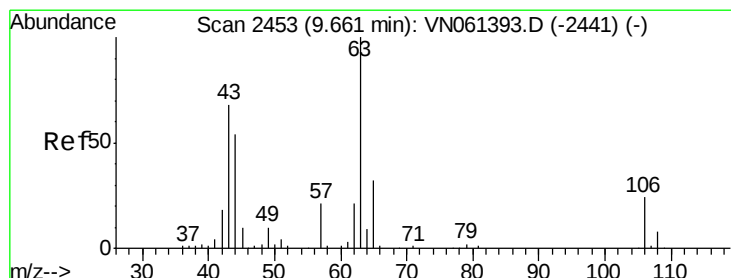
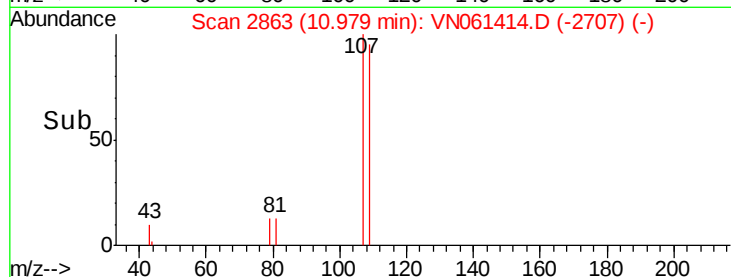
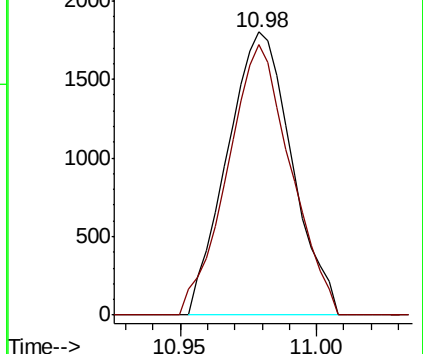
107 100

109 93.4 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 11.153 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

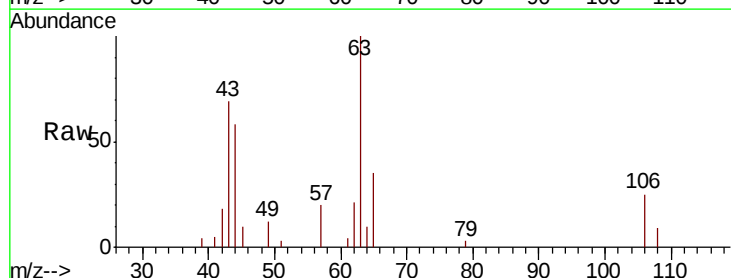
Tgt Ion: 63 Resp: 10582

Ion Ratio Lower Upper

63 100

65 33.5 25.3 37.9

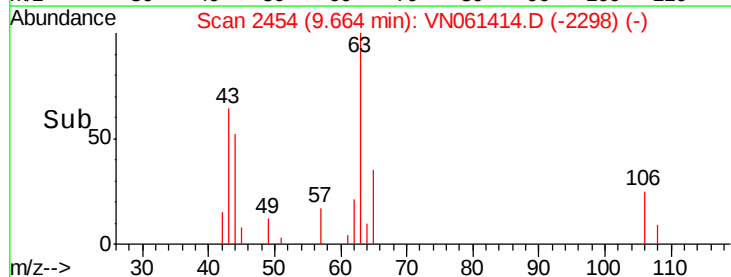
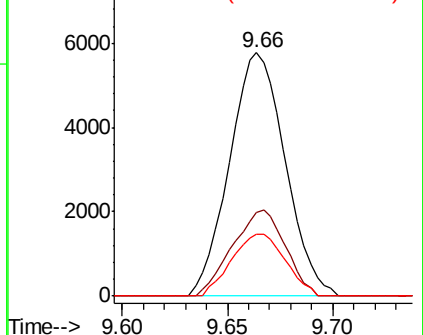
106 24.4 19.8 29.6

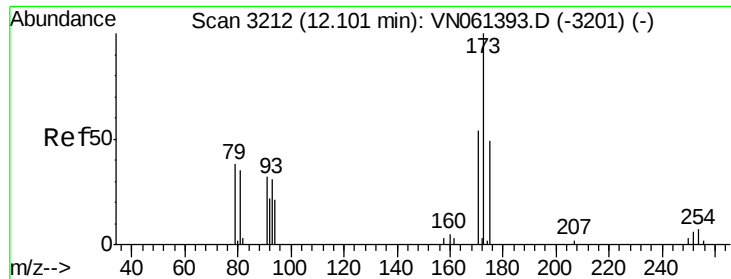


Abundance Ion 63.00 (62.70 to 63.70): V

Ion 65.00 (64.70 to 65.70): V

Ion 106.00 (105.70 to 106.70): V





#56

Bromoform

Concen: 1.987 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

ClientSampled :

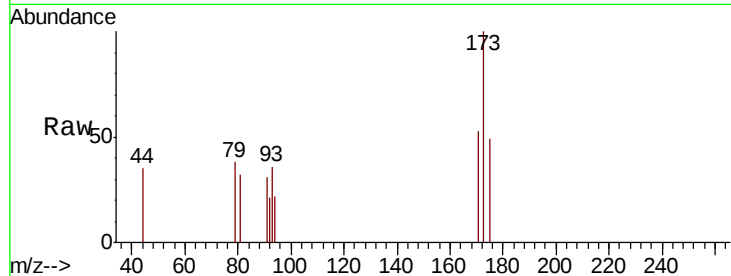
Tot Ion:173 Resp: 1704

Ion Ratio Lower Upper

173 100

175 42.8 38.7 58.1

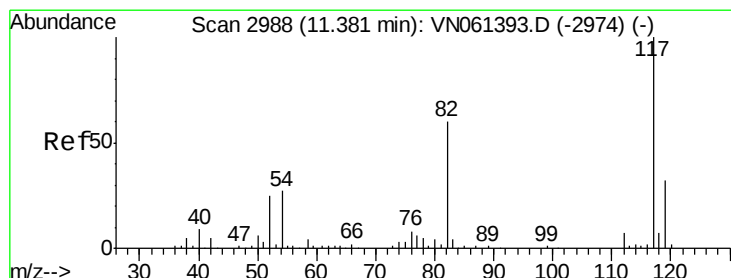
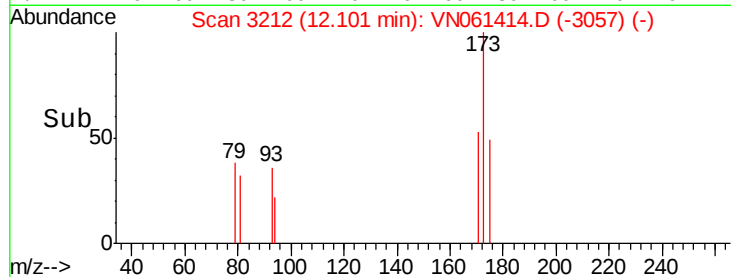
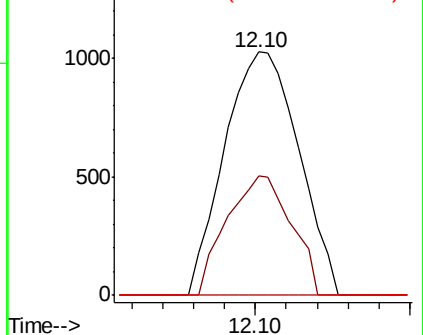
254 0.0 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

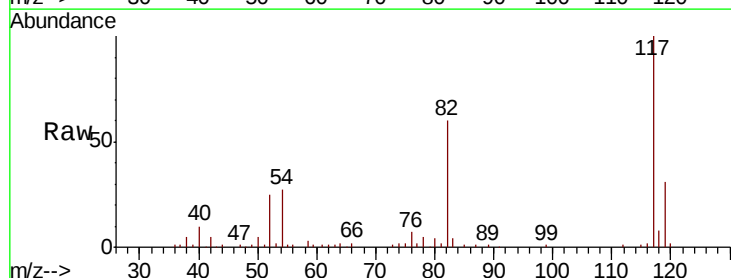
Tgt Ion:117 Resp: 94614

Ion Ratio Lower Upper

117 100

82 60.4 46.9 70.3

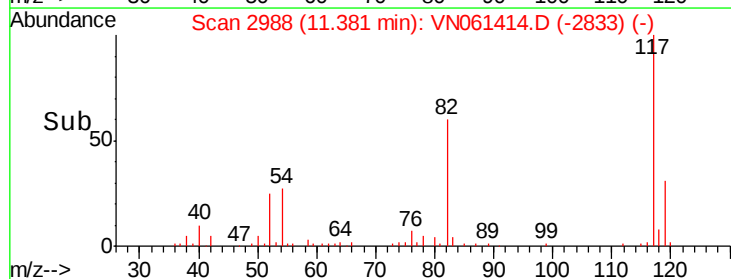
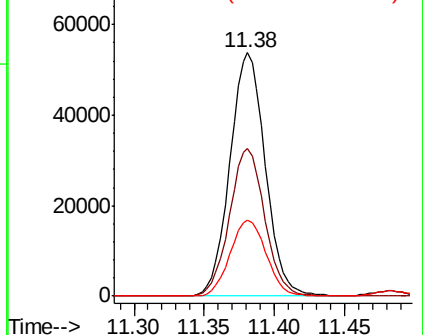
119 31.8 25.8 38.6

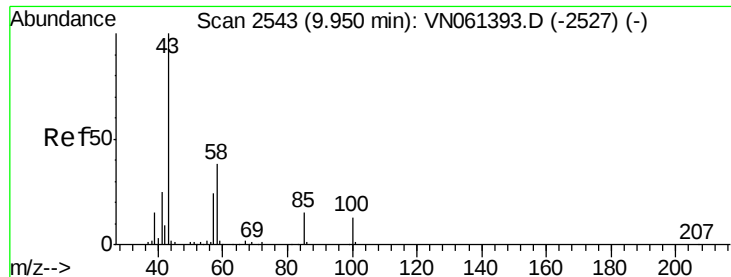


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

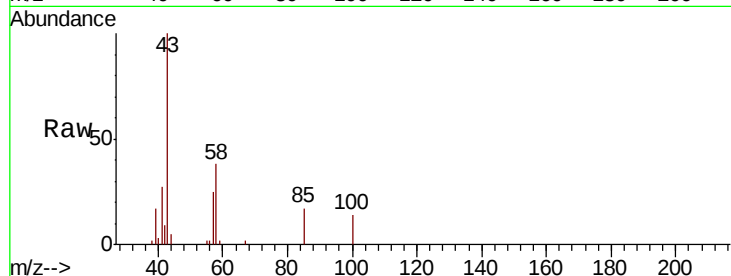




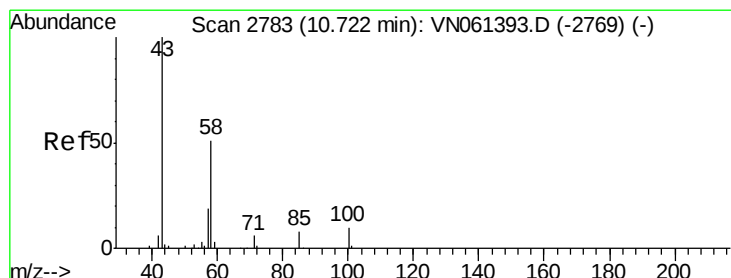
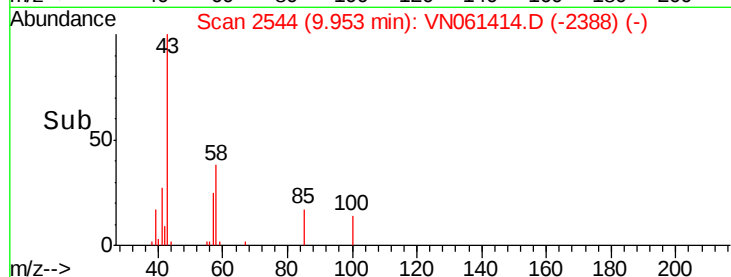
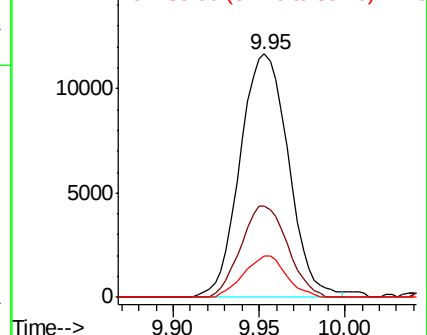
#58
4-Methyl-2-Pentanone
Concen: 13.211 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 22778
Ion Ratio Lower Upper
43 100
58 36.1 30.1 45.1
85 15.0 13.2 19.8

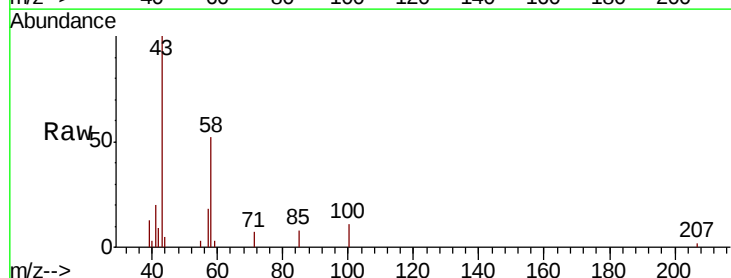


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

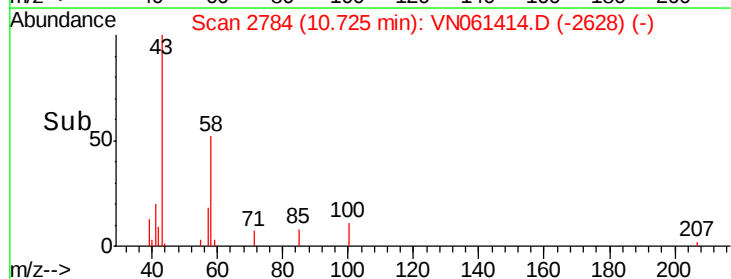
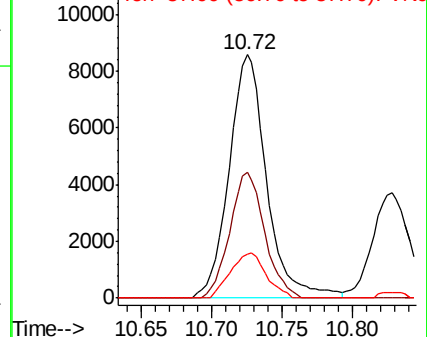


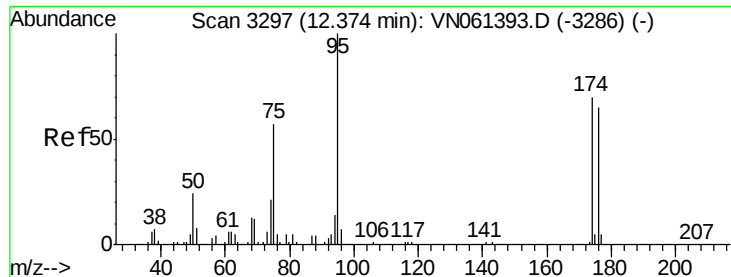
#59
2-Hexanone
Concen: 13.103 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 43 Resp: 15980
Ion Ratio Lower Upper
43 100
58 47.7 41.4 62.0
57 17.5 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

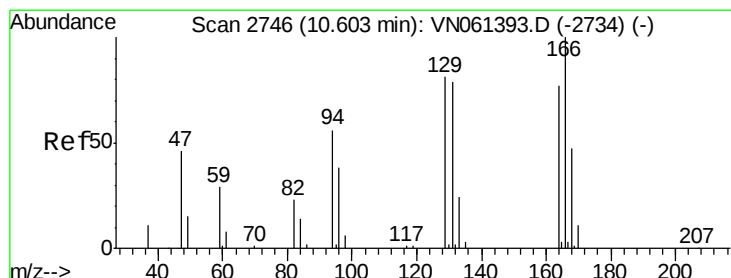
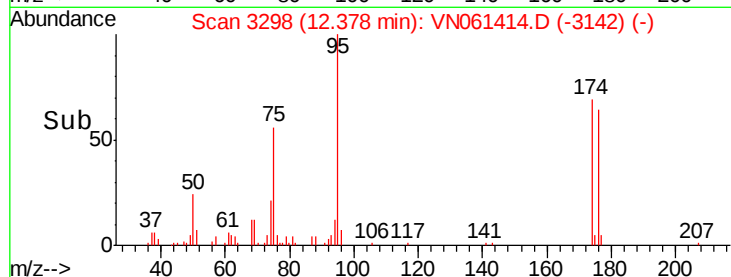
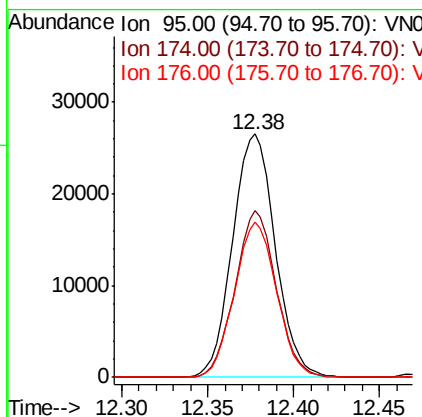
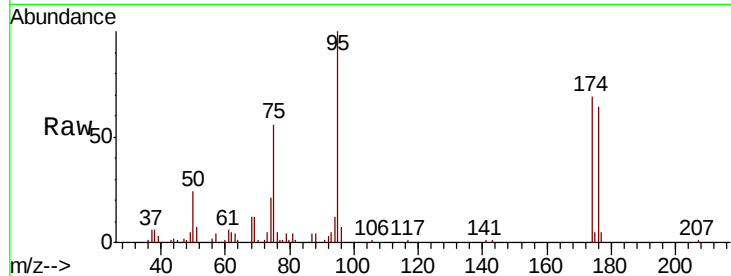




#60
4-Bromofluorobenzene
Concen: 28.365 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

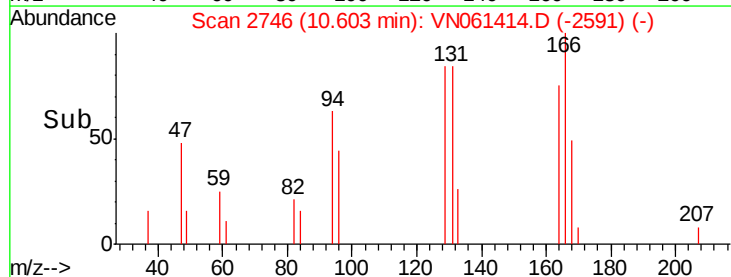
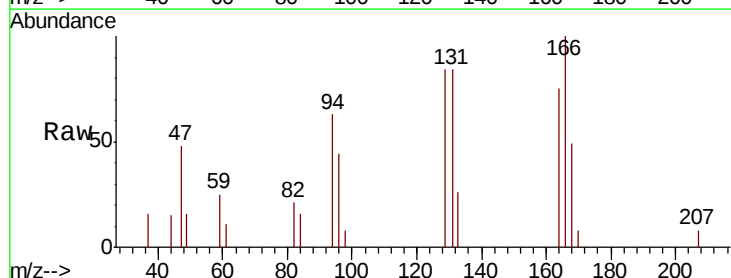
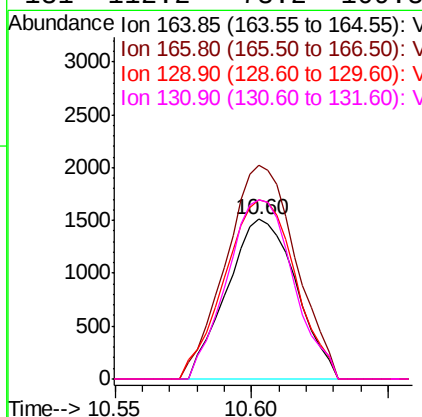
Instrument :
MSVOA_N
ClientSampleId :

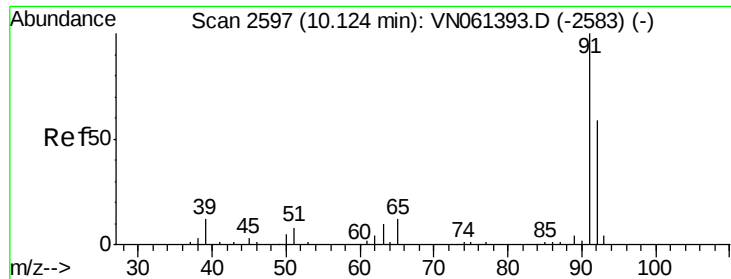
Tot Ion: 95 Resp: 45818
Ion Ratio Lower Upper
95 100
174 66.4 59.9 89.9
176 62.8 58.3 87.5



#61
Tetrachloroethene
Concen: 2.241 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 164 Resp: 2651
Ion Ratio Lower Upper
164 100
166 133.8 101.4 152.2
129 112.4 78.1 117.1
131 112.2 73.2 109.8#





#62

Toluene

Concen: 2.500 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

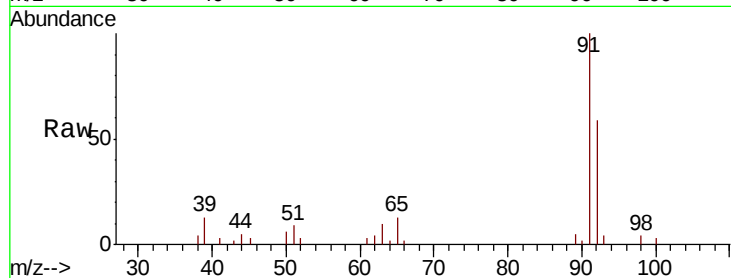
ClientSampleId :

Tot Ion: 91 Resp: 13717

Ion Ratio Lower Upper

91 100

92 58.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.12

8000

6000

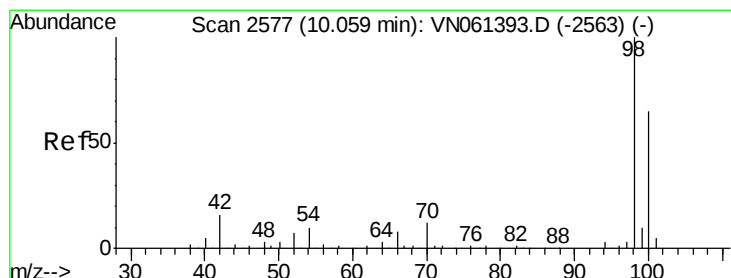
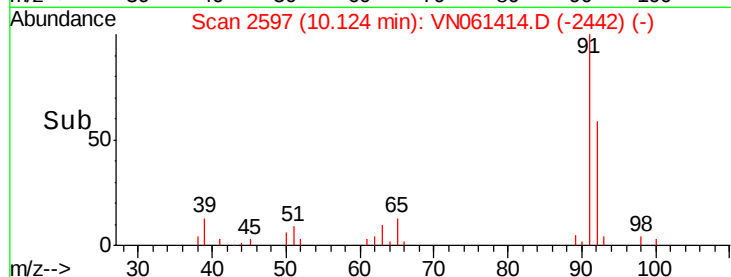
4000

2000

0

10.10 10.15

Time-->



#63

Toluene-d8

Concen: 30.561 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061414.D

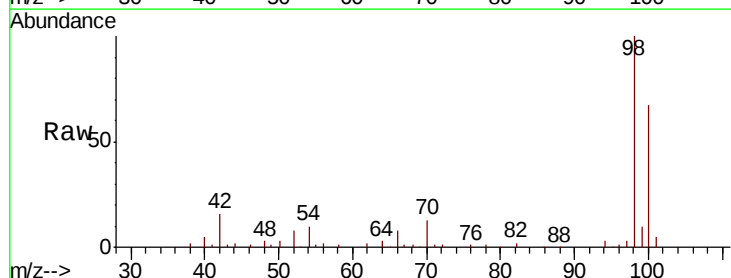
Acq: 15 May 2020 17:12

Tgt Ion: 98 Resp: 133880

Ion Ratio Lower Upper

98 100

100 66.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.06

80000

60000

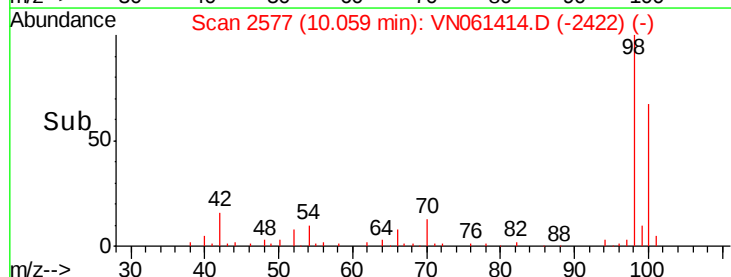
40000

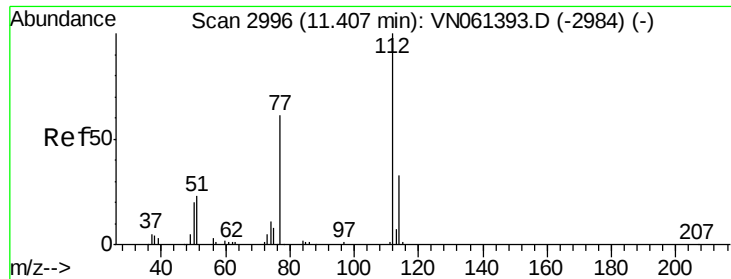
20000

0

10.00 10.05 10.10

Time-->

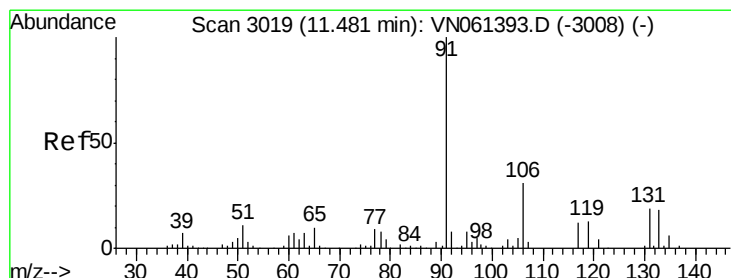
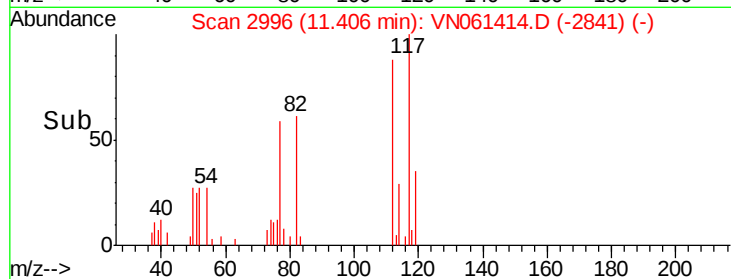
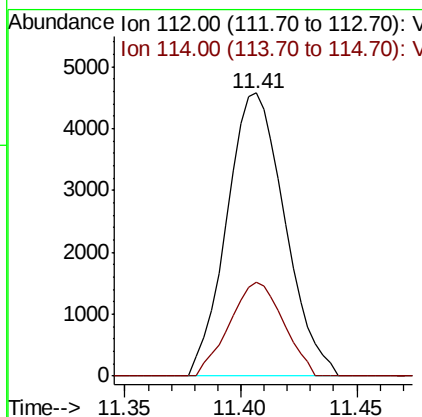
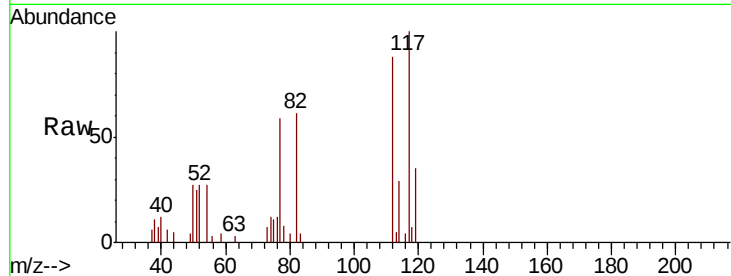




#64
Chlorobenzene
Concen: 2.451 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

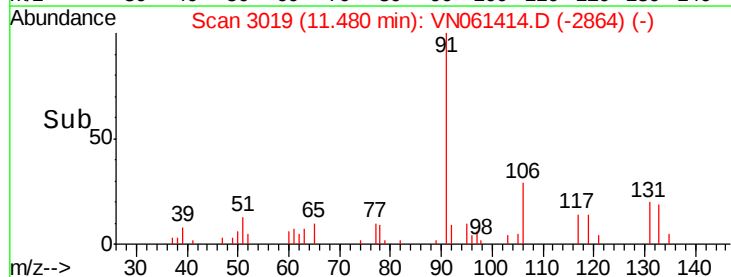
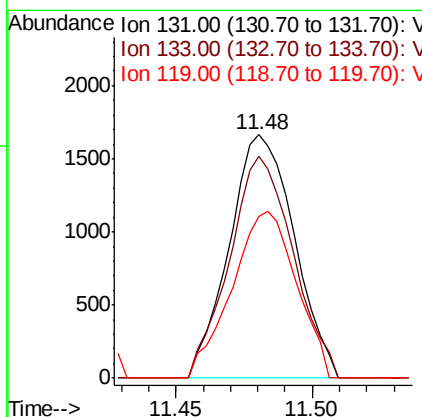
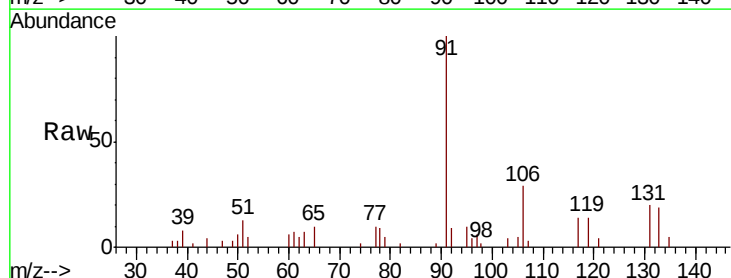
Instrument :
MSVOA_N
ClientSampled :

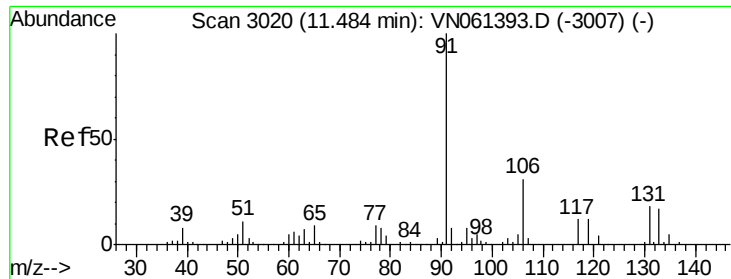
Tot Ion:112 Resp: 7959
Ion Ratio Lower Upper
112 100
114 33.2 25.7 38.5



#65
1,1,1,2-Tetrachloroethane
Concen: 2.317 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion:131 Resp: 2749
Ion Ratio Lower Upper
131 100
133 89.2 0.0 194.0
119 68.0 0.0 136.8

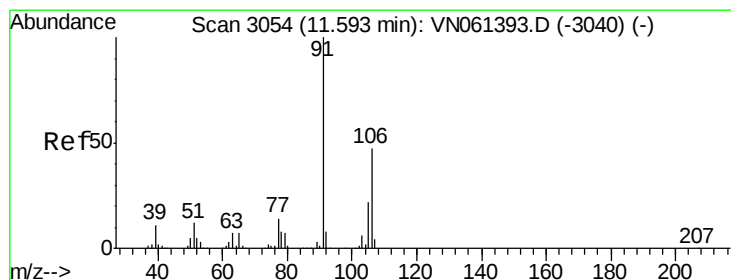
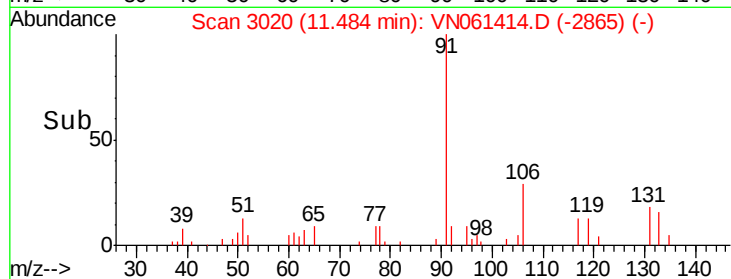
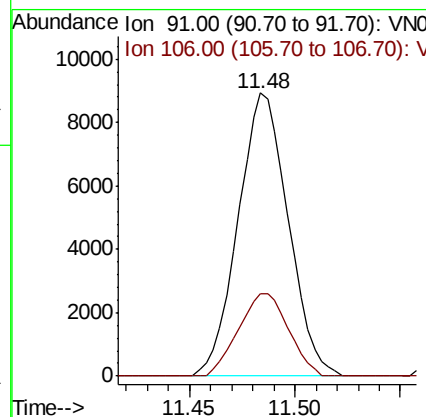
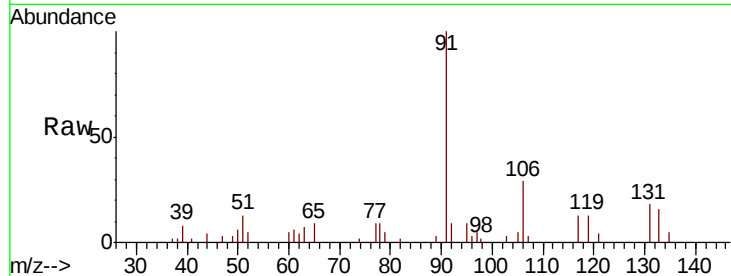




#66
Ethyl Benzene
Concen: 2.340 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

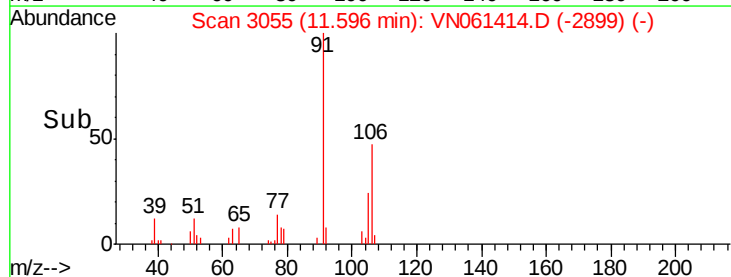
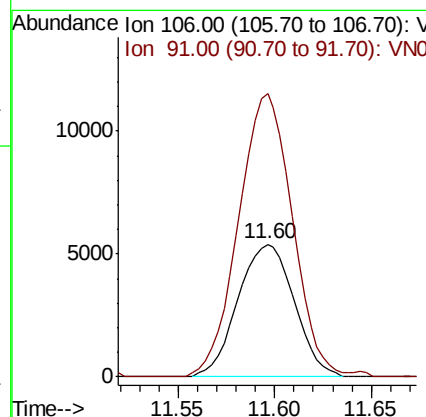
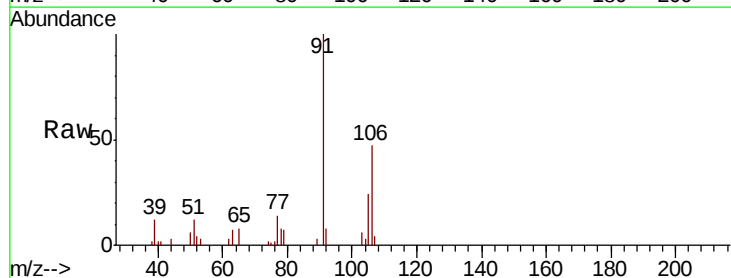
Instrument :
MSVOA_N
ClientSampleId :

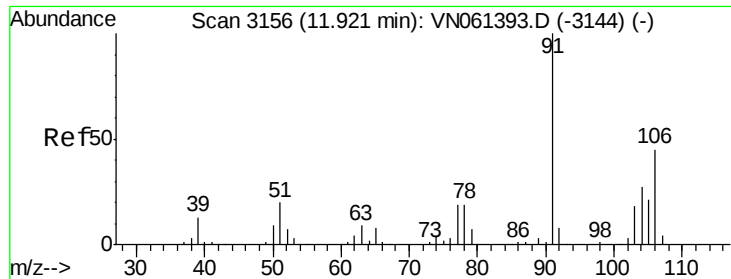
Tot Ion: 91 Resp: 14735
Ion Ratio Lower Upper
91 100
106 28.9 24.2 36.4



#67
m/p-Xylenes
Concen: 4.700 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion: 106 Resp: 10928
Ion Ratio Lower Upper
106 100
91 203.8 165.6 248.4

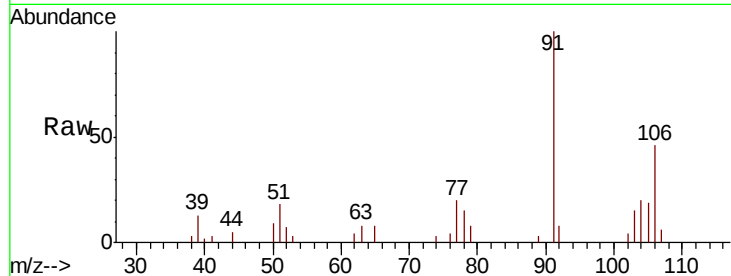




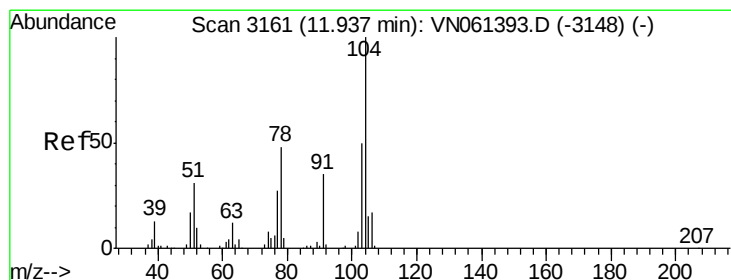
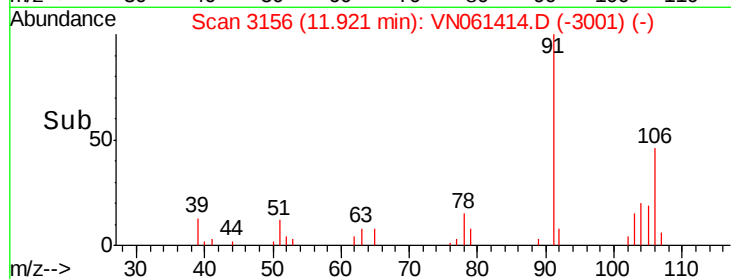
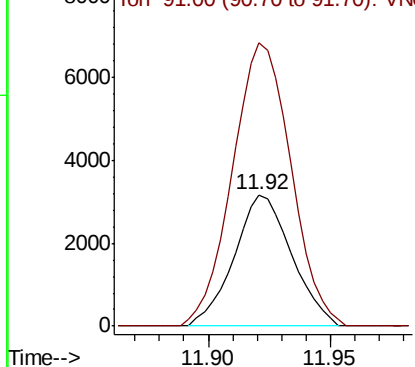
#68
o-Xylene
Concen: 2.333 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 5176
Ion Ratio Lower Upper
106 100
91 220.1 109.8 329.4

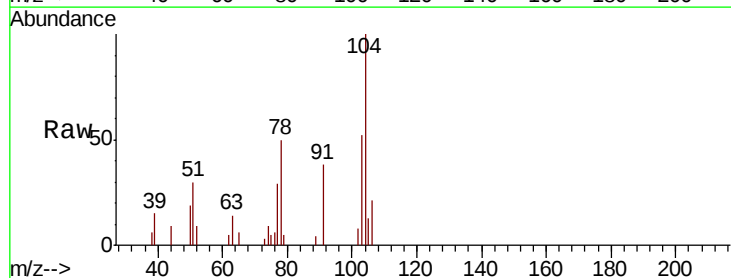


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

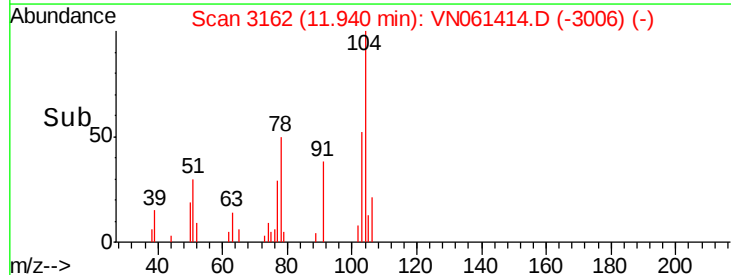
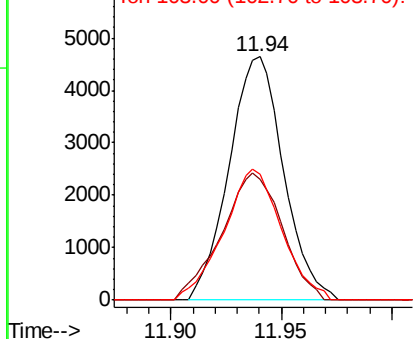


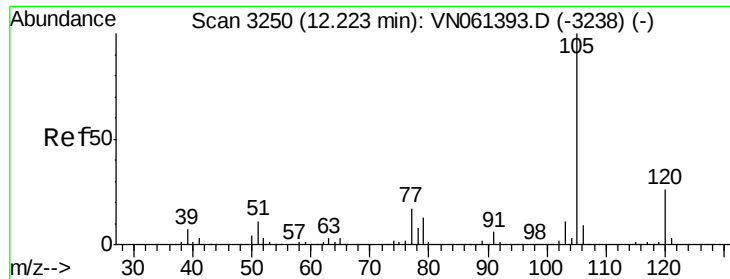
#69
Styrene
Concen: 2.084 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion:104 Resp: 7958
Ion Ratio Lower Upper
104 100
78 57.9 42.4 63.6
103 57.2 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#70

Isopropylbenzene

Concen: 2.281 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

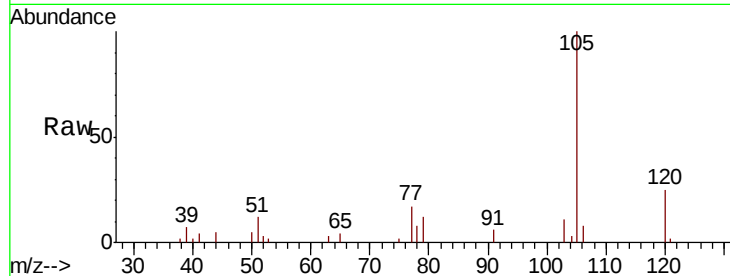
ClientSampled :

Tot Ion:105 Resp: 13716

Ion Ratio Lower Upper

105 100

120 24.5 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

8000

6000

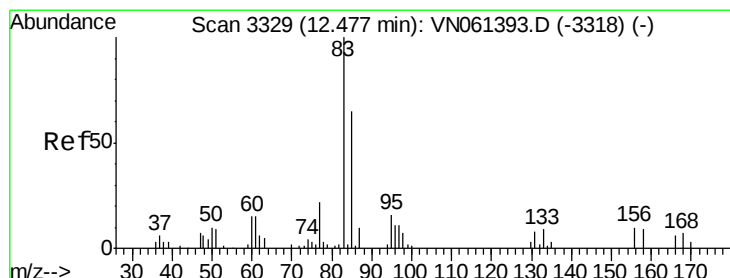
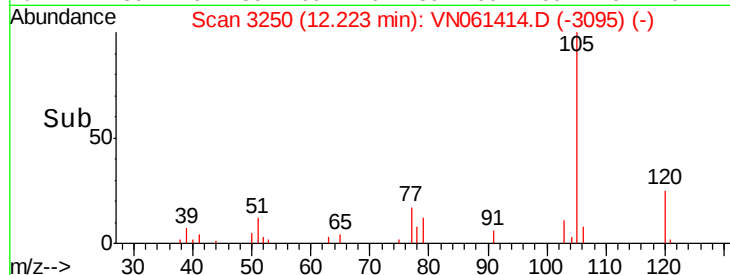
4000

2000

0

Time-->

12.20 12.25



#71

1,1,2,2-Tetrachloroethane

Concen: 2.430 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

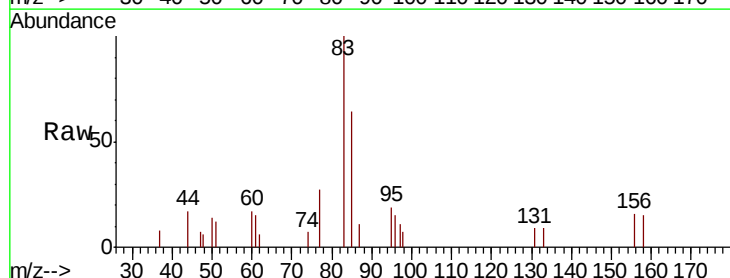
Tgt Ion: 83 Resp: 4036

Ion Ratio Lower Upper

83 100

131 5.5 4.9 14.7

85 65.0 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0

3000

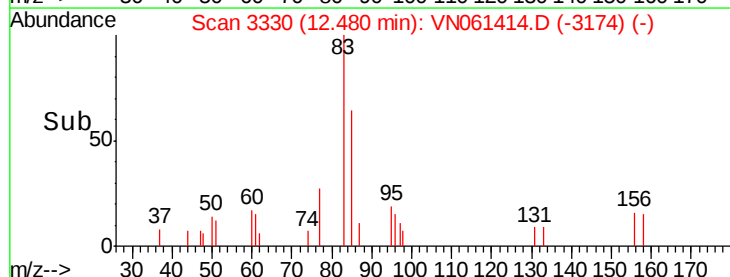
2000

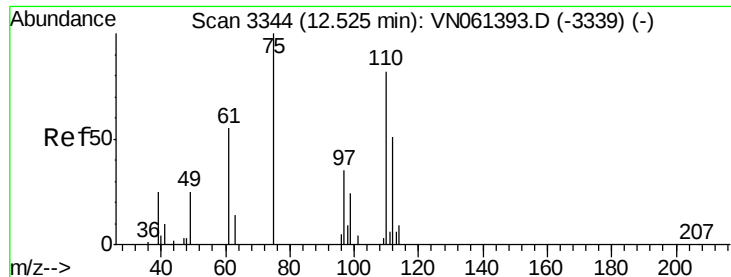
1000

0

Time-->

12.45 12.50





#72

1,2,3-Trichloropropane

Concen: 3.440 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

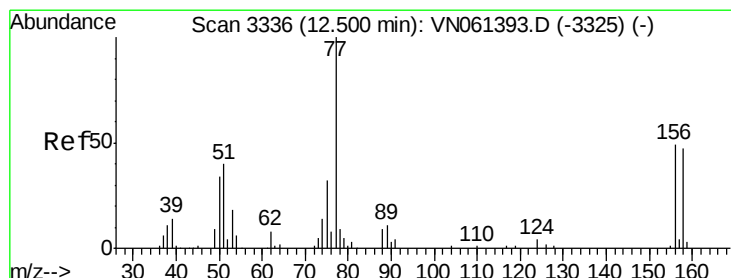
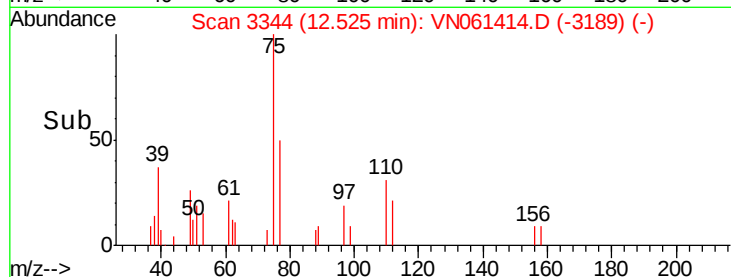
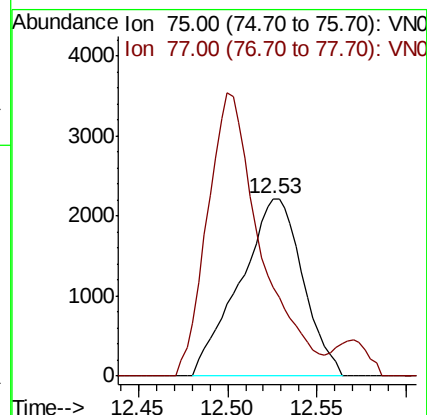
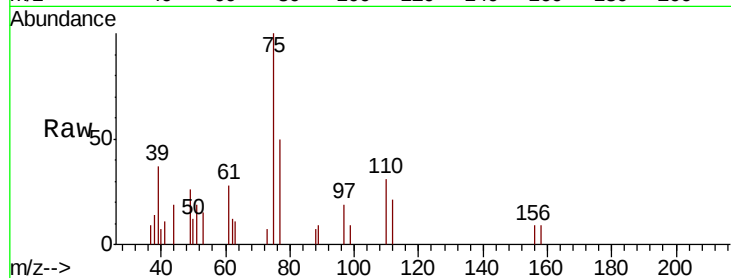
ClientSampleId :

Tot Ion: 75 Resp: 5450

Ion Ratio Lower Upper

75 100

77 135.2 0.0 359.4



#73

Bromobenzene

Concen: 2.188 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

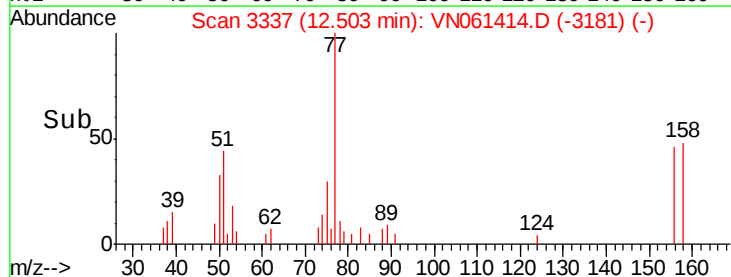
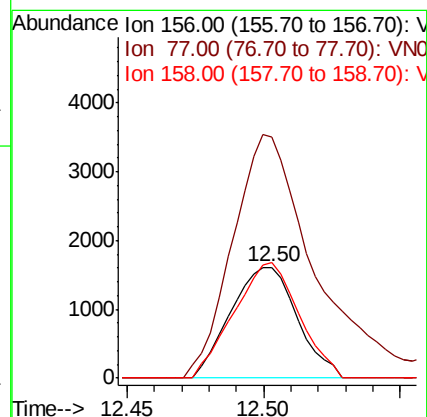
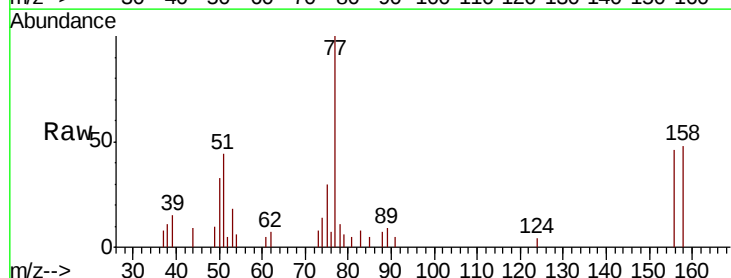
Tgt Ion: 156 Resp: 2732

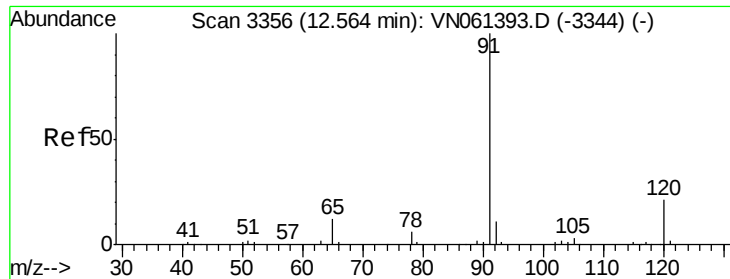
Ion Ratio Lower Upper

156 100

77 269.7 0.0 456.0

158 101.5 0.0 195.4





#74

n-propylbenzene

Concen: 2.245 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

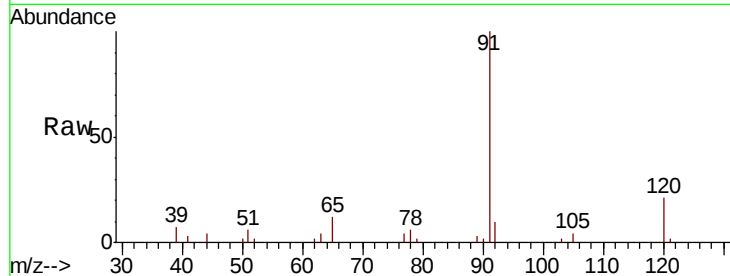
ClientSampled :

Tot Ion: 91 Resp: 16049

Ion Ratio Lower Upper

91 100

120 21.7 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN061393.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN061393.D (-3344) (-)

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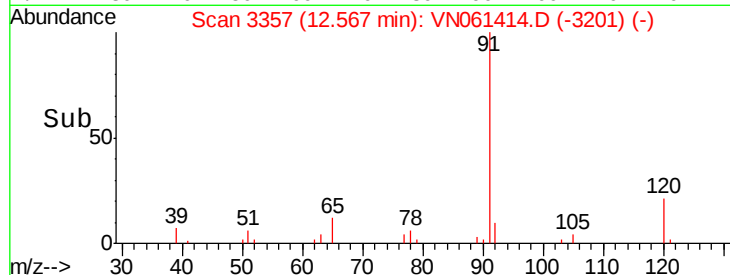
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Abundance Ion 91.00 (90.70 to 91.70): VN061414.D (-3201) (-)

Ion 120.00 (119.70 to 120.70): VN061414.D (-3201) (-)

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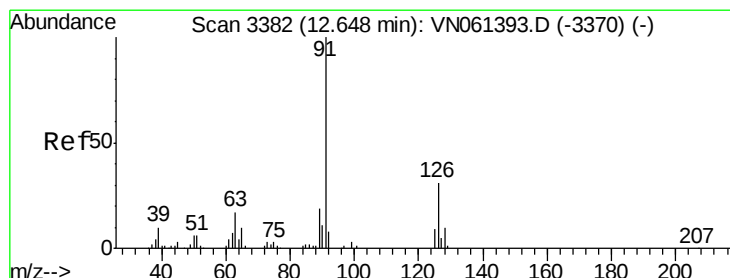
12.57

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#75

2-Chlorotoluene

Concen: 2.281 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061414.D

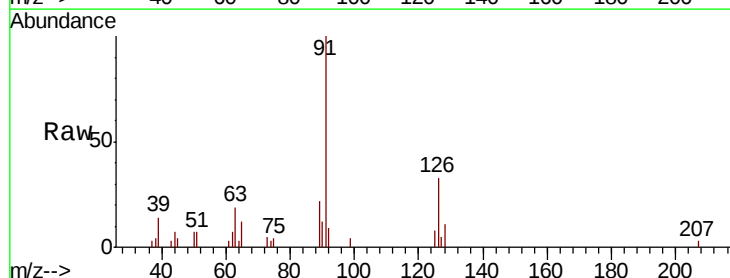
Acq: 15 May 2020 17:12

Tgt Ion: 91 Resp: 9350

Ion Ratio Lower Upper

91 100

126 31.8 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN061393.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061393.D (-3370) (-)

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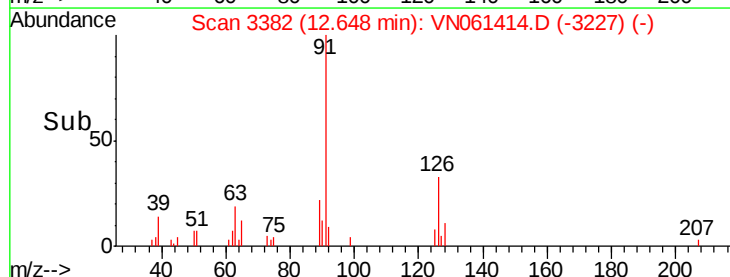
12.65

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Abundance Ion 91.00 (90.70 to 91.70): VN061414.D (-3227) (-)

Ion 126.00 (125.70 to 126.70): VN061414.D (-3227) (-)

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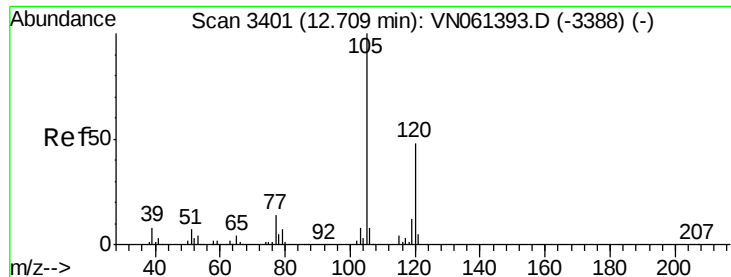
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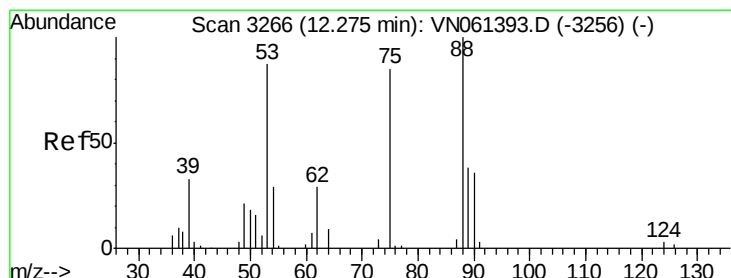
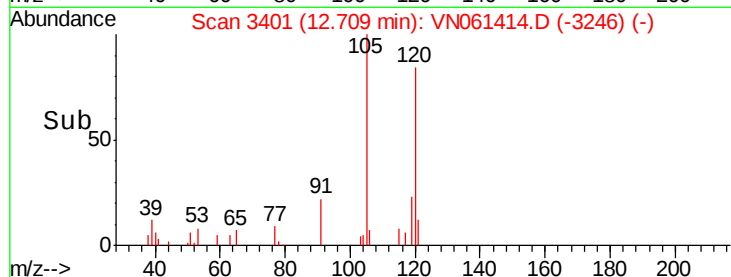
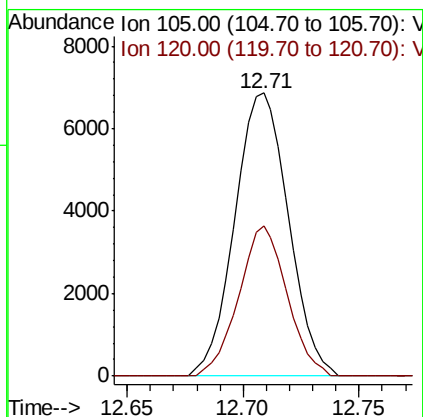
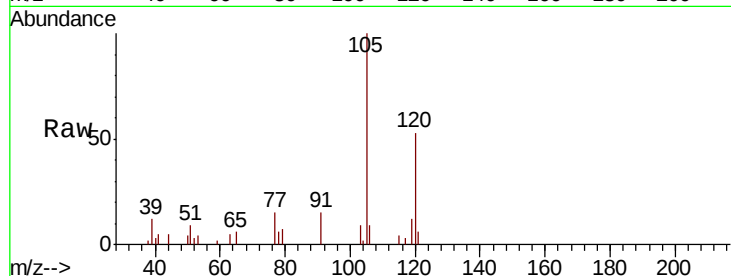
12.65



#76
 1,3,5-Trimethylbenzene
 Concen: 2.188 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

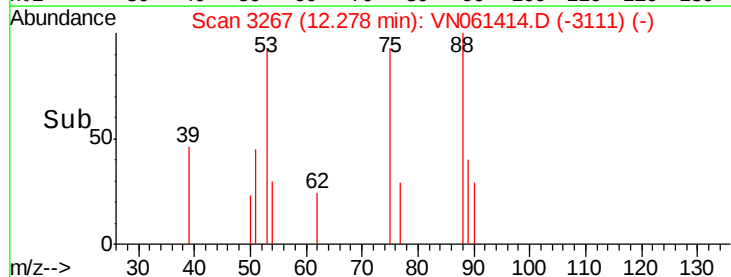
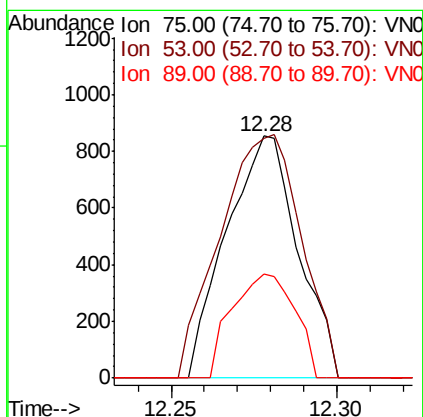
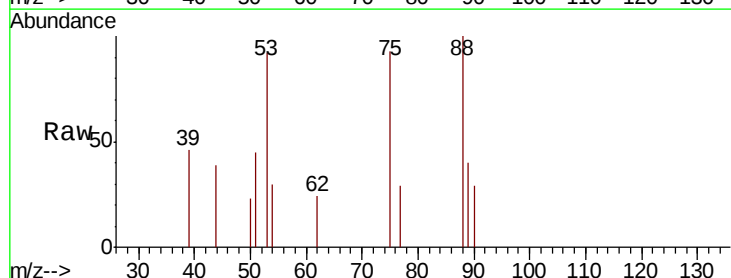
Instrument :
 MSVOA_N
 ClientSampleId :

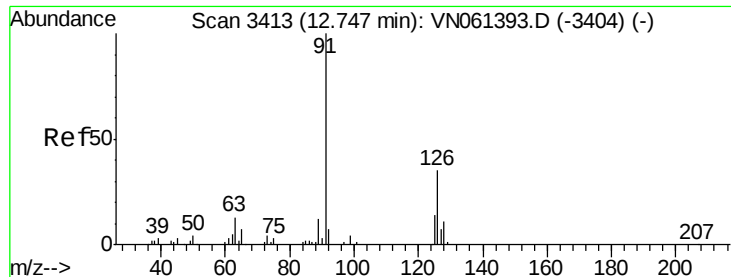
Tot Ion:105 Resp: 11038
 Ion Ratio Lower Upper
 105 100
 120 47.7 0.0 94.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 1.951 ug/l
 RT: 12.28 min Scan# 3267
 Delta R.T. 0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion: 75 Resp: 1286
 Ion Ratio Lower Upper
 75 100
 53 99.2 50.0 150.0
 89 42.9 20.7 62.1





#78

4-Chlorotoluene

Concen: 2.249 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

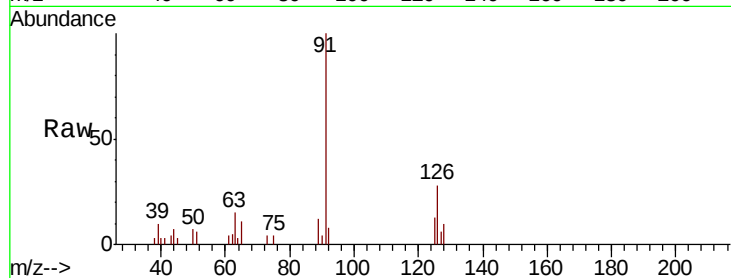
ClientSampleId :

Tot Ion: 91 Resp: 9655

Ion Ratio Lower Upper

91 100

126 28.3 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN061393.D (-3404) (-)

Ion 126.00 (125.70 to 126.70): VN061393.D (-3404) (-)

12.75

6000

5000

4000

3000

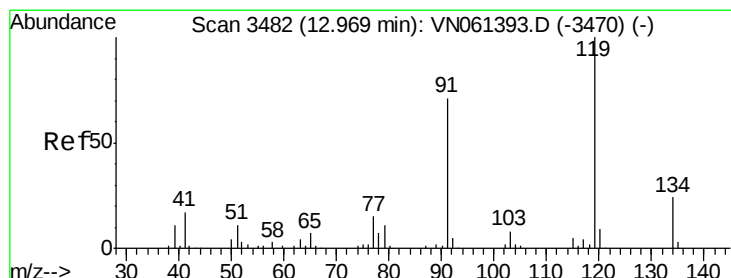
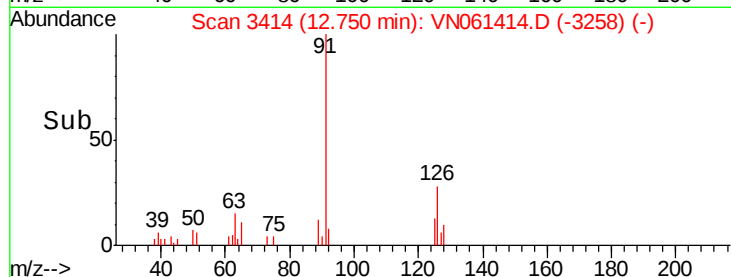
2000

1000

0

12.70 12.75 12.80

Time-->



#79

tert-butylbenzene

Concen: 2.246 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

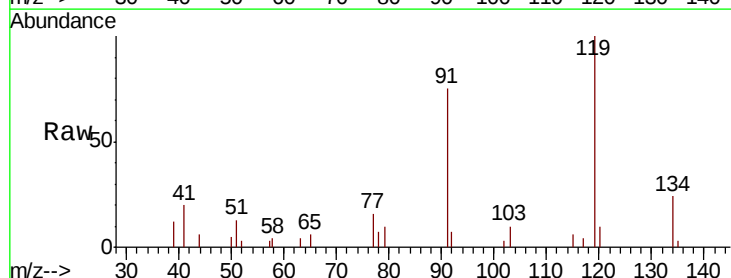
Tgt Ion: 119 Resp: 9412

Ion Ratio Lower Upper

119 100

91 73.3 0.0 136.4

134 24.2 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): VN061393.D (-3470) (-)

Ion 91.00 (90.70 to 91.70): VN061393.D (-3470) (-)

Ion 134.00 (133.70 to 134.70): VN061393.D (-3470) (-)

12.97

6000

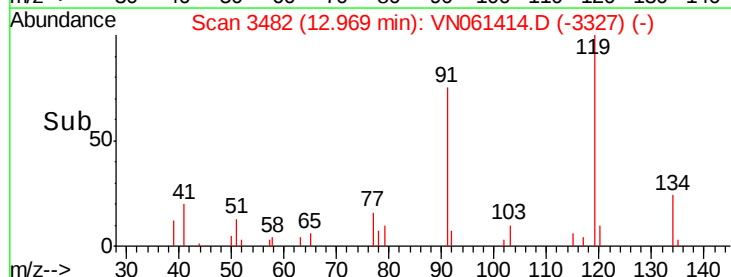
4000

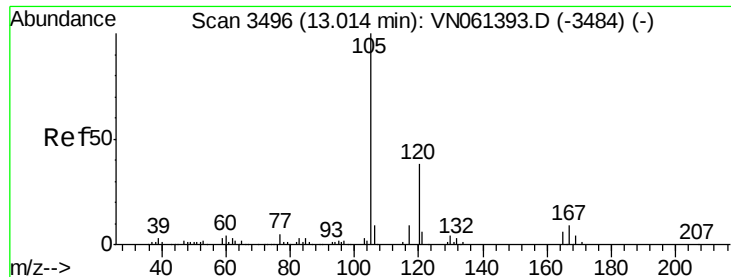
2000

0

12.95 13.00

Time-->

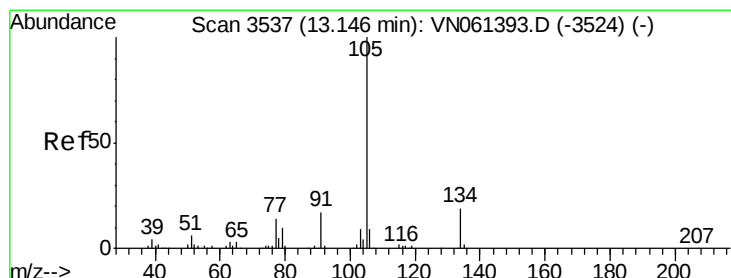
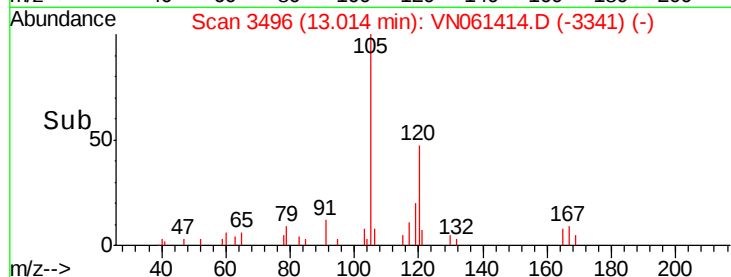
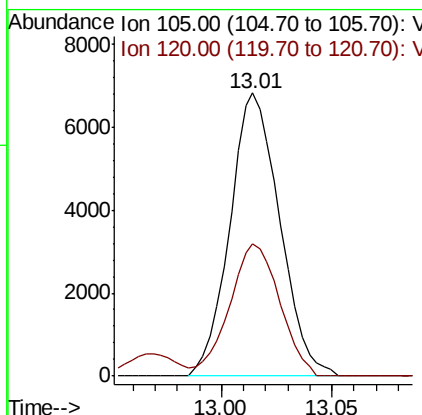
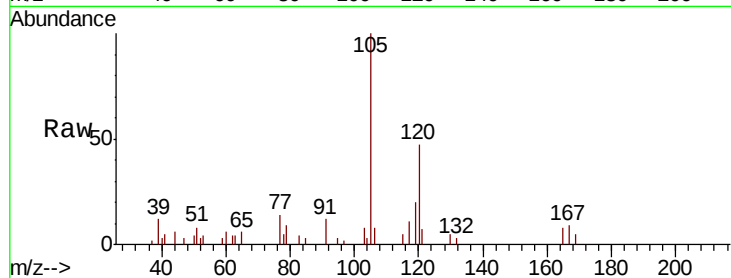




#80
 1,2,4-Trimethylbenzene
 Concen: 2.129 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

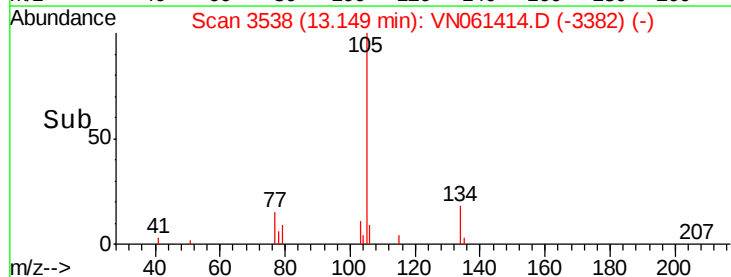
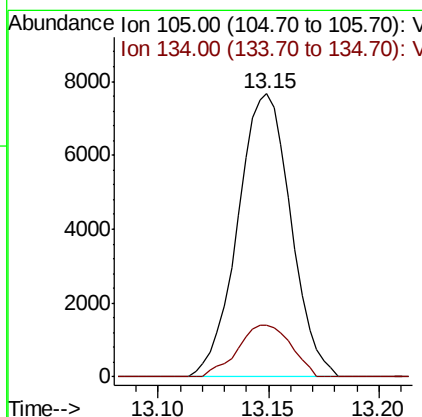
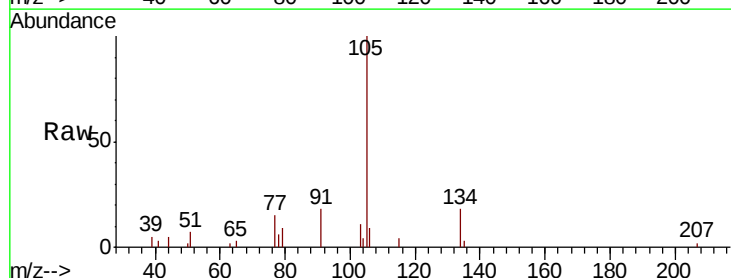
Instrument :
 MSVOA_N
 ClientSampleId :

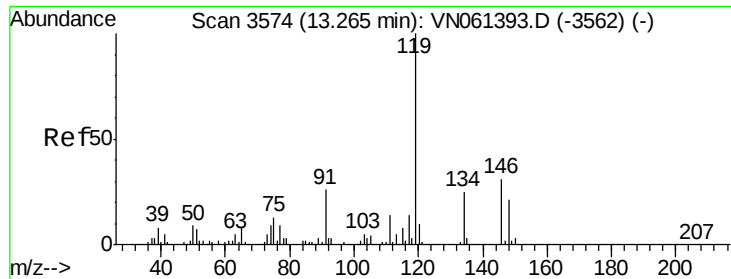
Tot Ion:105 Resp: 10723
 Ion Ratio Lower Upper
 105 100
 120 46.9 0.0 89.2



#81
 sec-Butylbenzene
 Concen: 2.222 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Tgt Ion:105 Resp: 12828
 Ion Ratio Lower Upper
 105 100
 134 18.3 0.0 38.0

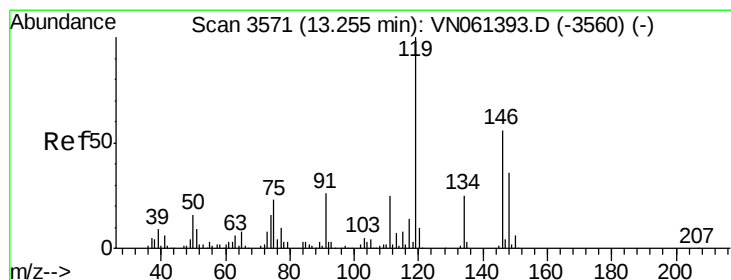
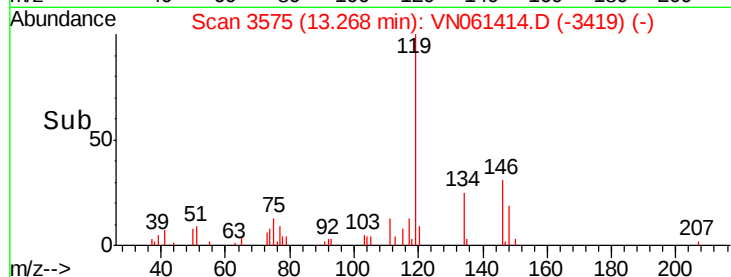
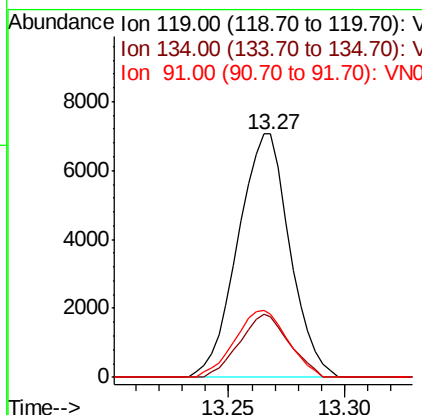
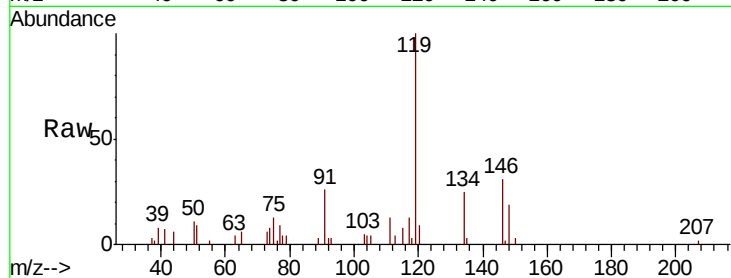




#82
p-Isopropyltoluene
Concen: 2.114 ug/l
RT: 13.27 min Scan# 3575
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

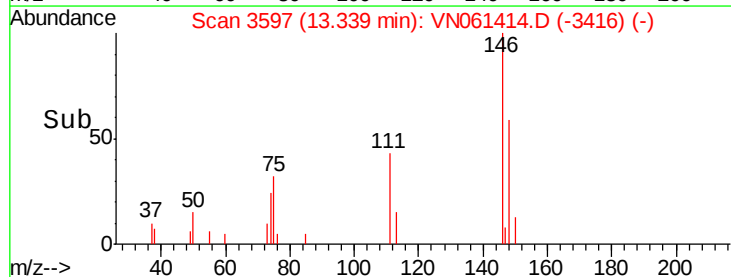
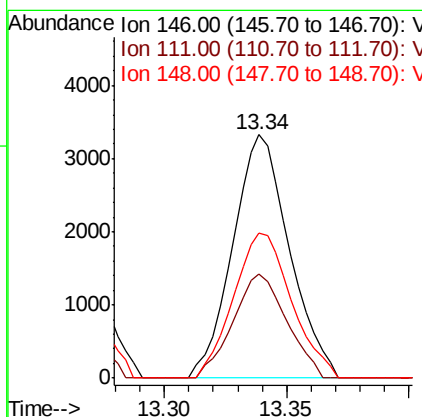
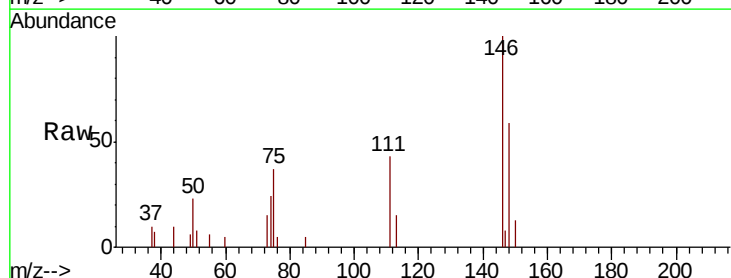
Instrument :
MSVOA_N
ClientSampled :

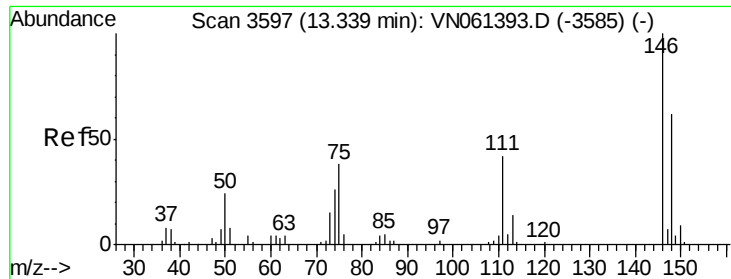
Tot Ion:119 Resp: 10992
Ion Ratio Lower Upper
119 100
134 24.8 0.0 50.8
91 28.0 0.0 49.4



#83
1,3-Dichlorobenzene
Concen: 2.300 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.08 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion:146 Resp: 5337
Ion Ratio Lower Upper
146 100
111 40.5 21.0 63.0
148 61.3 31.7 95.1





#84

1,4-Dichlorobenzene

Concen: 2.323 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

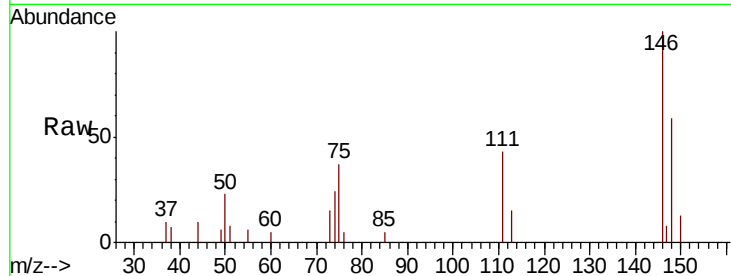
Tot Ion:146 Resp: 5337

Ion Ratio Lower Upper

146 100

111 40.5 19.8 59.4

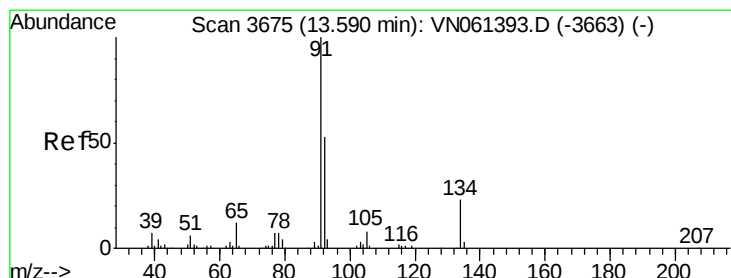
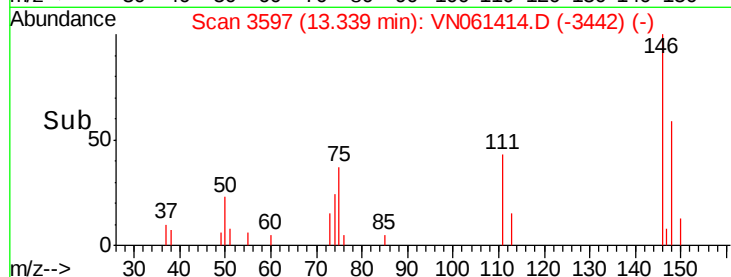
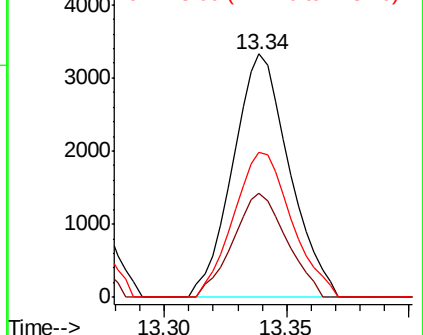
148 61.3 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 2.156 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

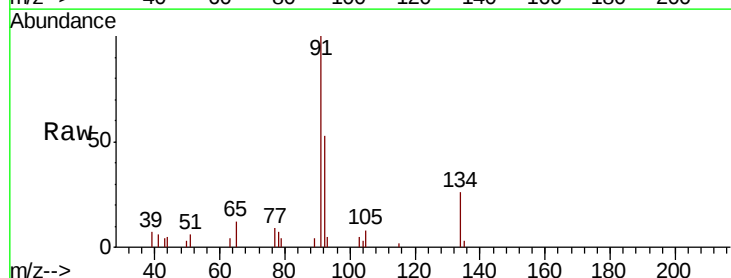
Tgt Ion: 91 Resp: 10375

Ion Ratio Lower Upper

91 100

92 52.3 0.0 102.8

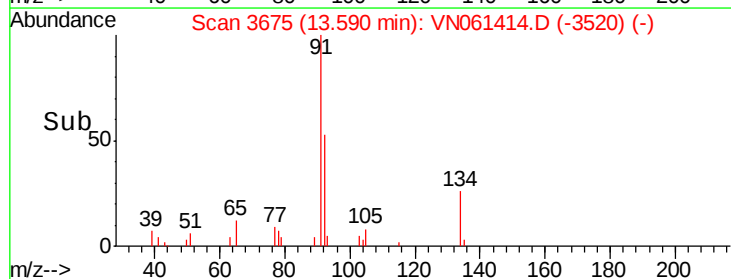
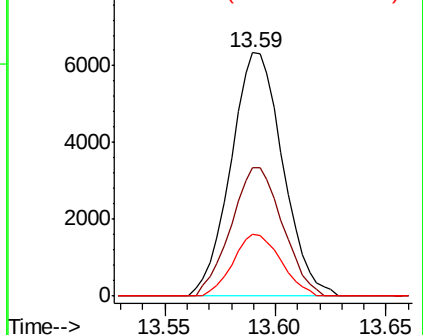
134 23.4 0.0 48.6

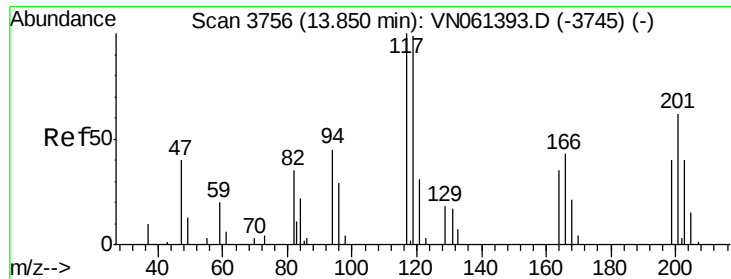


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

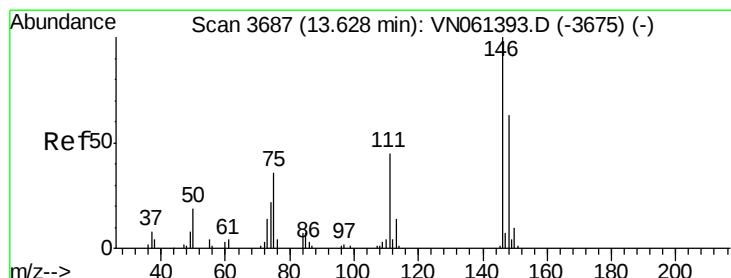
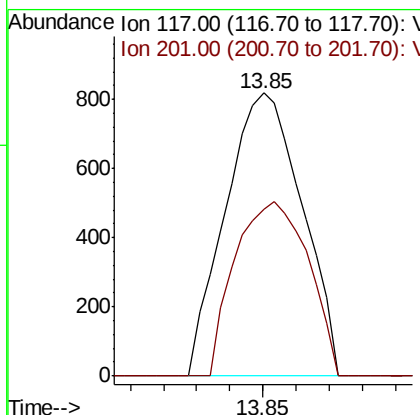
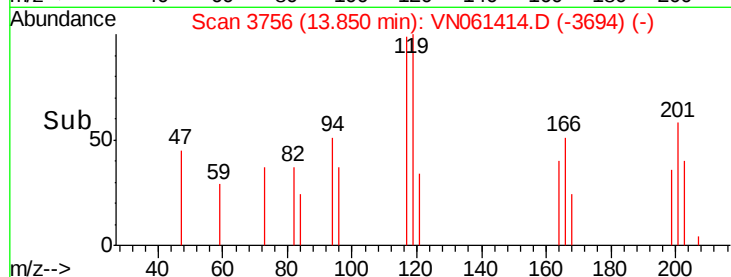
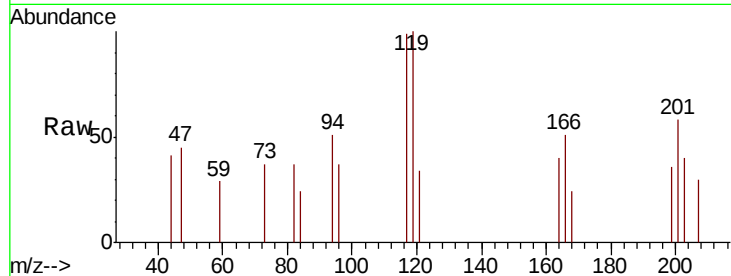




#86
Hexachloroethane
Concen: 1.816 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

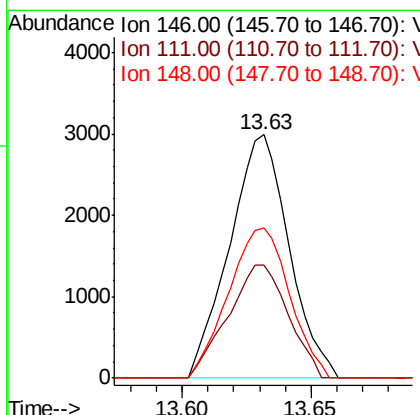
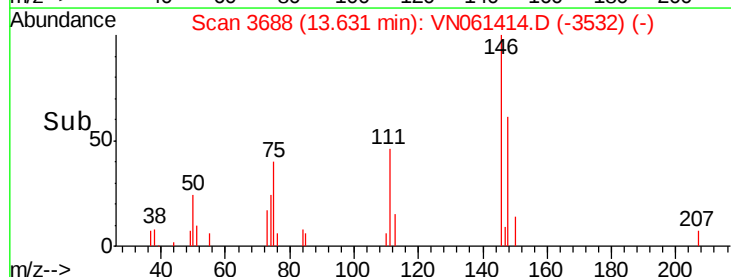
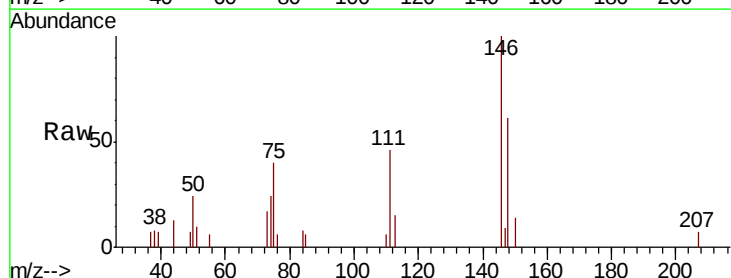
Instrument :
MSVOA_N
ClientSampled :

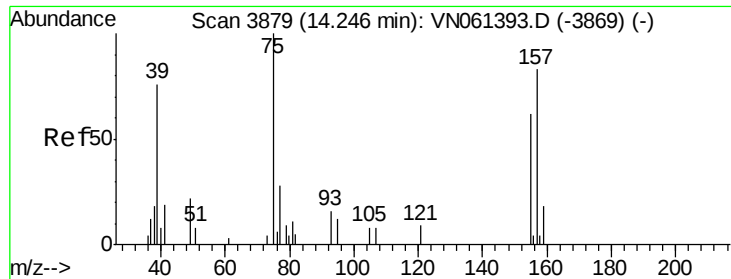
Tot Ion:117 Resp: 1316
Ion Ratio Lower Upper
117 100
201 59.1 38.7 116.1



#87
1,2-Dichlorobenzene
Concen: 2.179 ug/l
RT: 13.63 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion:146 Resp: 4798
Ion Ratio Lower Upper
146 100
111 46.9 21.8 65.4
148 63.1 32.1 96.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 2.339 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

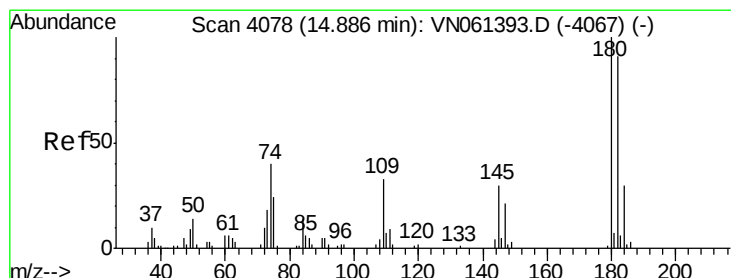
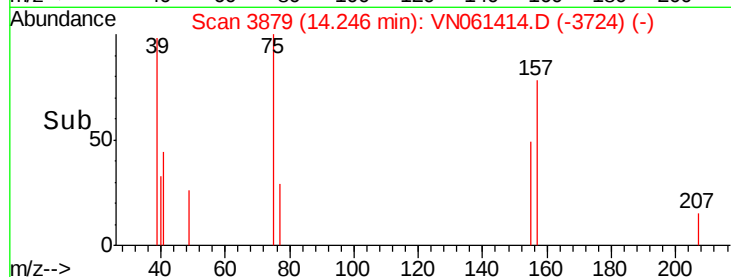
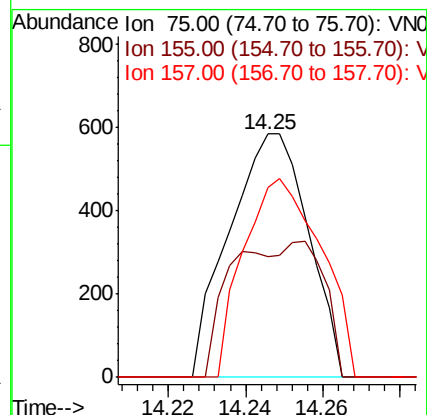
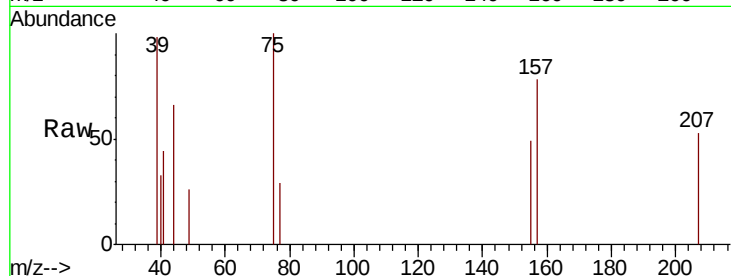
Tot Ion: 75 Resp: 828

Ion Ratio Lower Upper

75 100

155 31.4 58.3 87.5#

157 79.8 75.0 112.6



#89

1,2,4-Trichlorobenzene

Concen: 2.211 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. -0.00 min

Lab File: VN061414.D

Acq: 15 May 2020 17:12

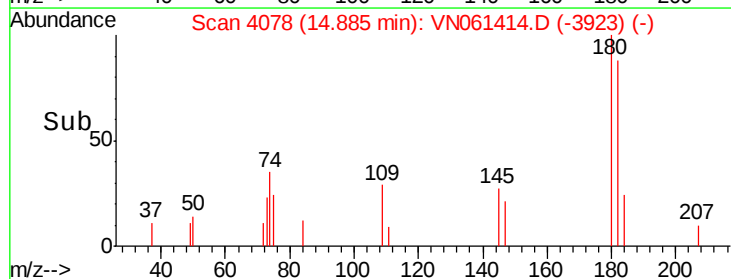
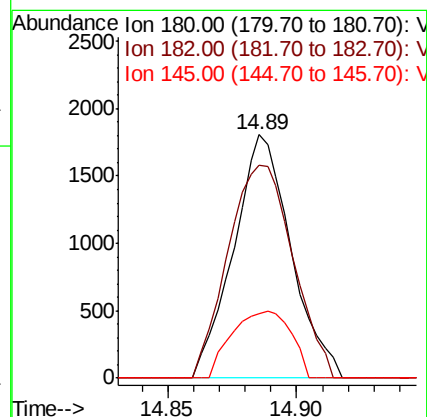
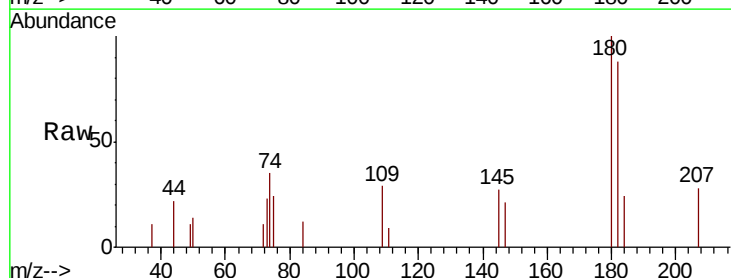
Tgt Ion: 180 Resp: 2797

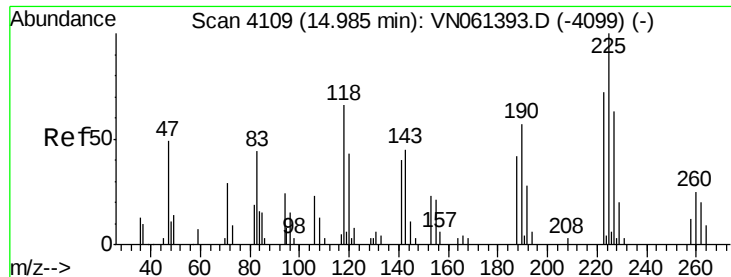
Ion Ratio Lower Upper

180 100

182 99.3 75.3 112.9

145 28.5 24.8 37.2

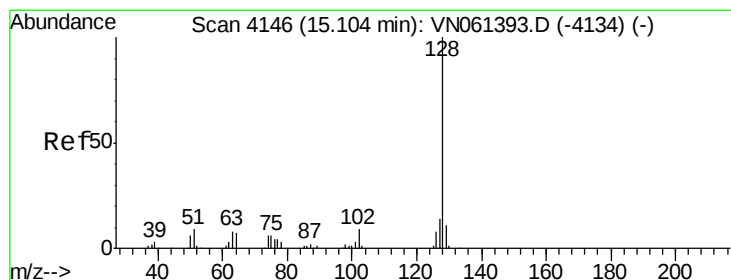
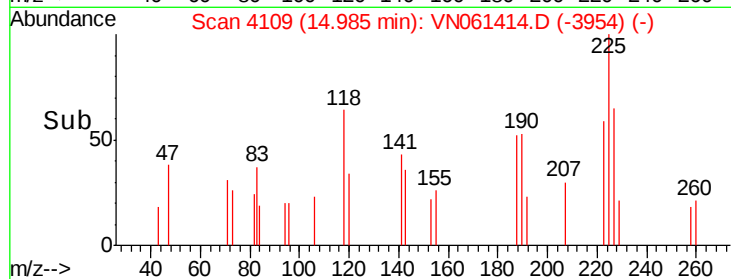
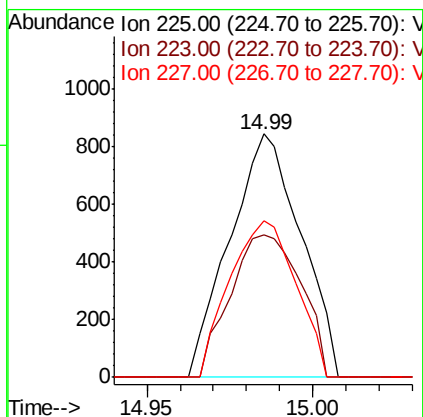
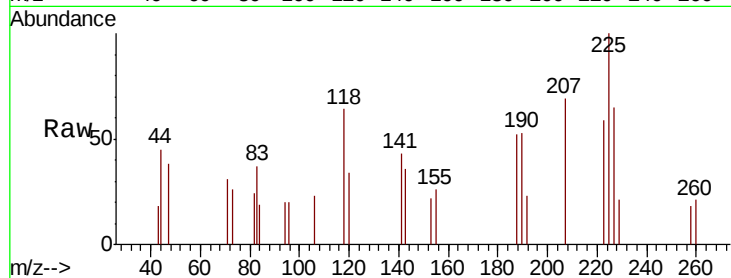




#90
Hexachlorobutadiene
Concen: 2.451 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. -0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

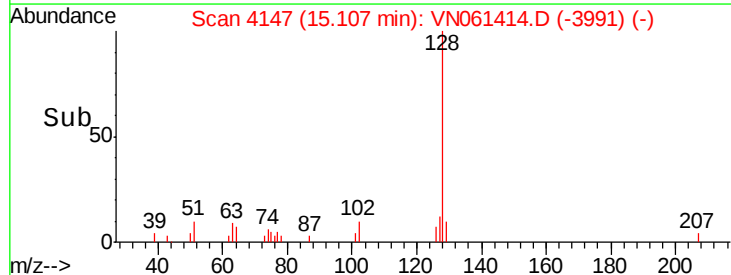
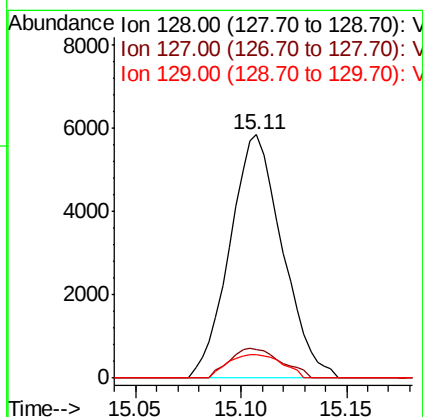
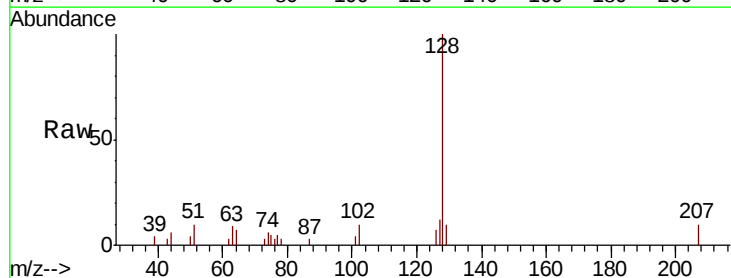
Instrument :
MSVOA_N
ClientSampled :

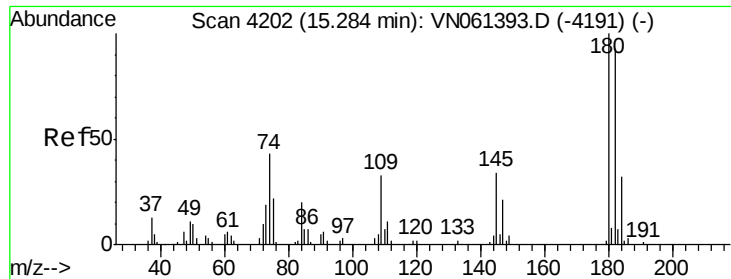
Tot Ion:225 Resp: 1263
Ion Ratio Lower Upper
225 100
223 58.3 0.0 126.2
227 60.0 0.0 127.0



#91
Naphthalene
Concen: 2.541 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061414.D
Acq: 15 May 2020 17:12

Tgt Ion:128 Resp: 10111
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.2
129 10.0 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 2.488 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN061414.D
 Acq: 15 May 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	180	Resp:	3057
Ion	Ratio	Lower	Upper
180	100		
182	88.6	0.0	193.4
145	31.1	0.0	65.8

