

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061454.D
 Acq On : 19 May 2020 3:02
 Operator : JC/MD
 Sample : VN0518WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 03:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	271695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	504438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	476775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213152	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	207295	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.54	113	141744	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
50) Toluene-d8	10.06	98	620538	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.37	95	230380	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	40797	18.059	ug/l	100
3) Chloromethane	2.03	50	64099	17.396	ug/l	97
4) Vinyl Chloride	2.16	62	94712	17.960	ug/l	96
5) Bromomethane	2.54	94	54362	17.817	ug/l	99
6) Chloroethane	2.67	64	61112	17.217	ug/l	96
7) Trichlorofluoromethane	2.98	101	144919	22.635	ug/l	100
8) Diethyl Ether	3.37	74	33777	18.113	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47765	17.941	ug/l	99
10) Methyl Iodide	3.91	142	57501	17.782	ug/l	100
11) Tert butyl alcohol	4.72	59	41280	88.352	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	48751	17.505	ug/l	92
13) Acrolein	3.56	56	25619	62.390	ug/l	99
14) Allyl chloride	4.27	41	77338	17.064	ug/l	98
15) Acrylonitrile	4.92	53	118592	85.674	ug/l	99
16) Acetone	3.77	43	91316	80.258	ug/l	98
17) Carbon Disulfide	4.01	76	128211	19.504	ug/l	99
18) Methyl Acetate	4.27	43	48793	16.836	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	186871	17.682	ug/l	93
20) Methylene Chloride	4.50	84	58013	17.408	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	57411	17.878	ug/l	98
22) Diisopropyl ether	5.89	45	181260	17.797	ug/l	96
23) Vinyl Acetate	5.83	43	714591	88.232	ug/l	100
24) 1,1-Dichloroethane	5.79	63	107730	18.135	ug/l	99
25) 2-Butanone	6.78	43	153596	83.194	ug/l	98
26) 2,2-Dichloropropane	6.77	77	82546	14.576	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	69097	18.215	ug/l	96
28) Bromochloromethane	7.14	49	50366	19.974	ug/l	98
29) Tetrahydrofuran	7.16	42	102983	84.225	ug/l	99
30) Chloroform	7.32	83	117816	18.989	ug/l	100
31) Cyclohexane	7.61	56	96324	16.423	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	103283	18.217	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84743	17.966	ug/l	100
37) Ethyl Acetate	6.87	43	67587	15.800	ug/l	99
38) Carbon Tetrachloride	7.73	117	78063	17.974	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	88952	15.440	ug/l	98
40) Benzene	8.00	78	253831	17.857	ug/l	100
41) Methacrylonitrile	7.11	41	25532	14.132	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	93114	18.182	ug/l	100
43) Isopropyl Acetate	8.12	43	124267	16.657	ug/l #	92
44) Trichloroethene	8.80	130	68221	18.317	ug/l	100
45) 1,2-Dichloropropane	9.08	63	64347	18.086	ug/l	99
46) Dibromomethane	9.17	93	45580	18.275	ug/l	99
47) Bromodichloromethane	9.37	83	95035	18.084	ug/l	100
48) Methyl methacrylate	9.16	41	56949	16.524	ug/l	98
49) 1,4-Dioxane	9.16	88	13587	350.317	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	349381	85.966	ug/l	100
52) Toluene	10.12	92	164713	18.049	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	100241	17.404	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	106952	17.468	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	63924	18.528	ug/l	99
56) Ethyl methacrylate	10.40	69	94951	17.603	ug/l	99
57) 1,3-Dichloropropane	10.68	76	110305	18.500	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	208848	88.211	ug/l	98
59) 2-Hexanone	10.72	43	243759	82.900	ug/l	100
60) Dibromochloromethane	10.87	129	69129	18.114	ug/l	98
61) 1,2-Dibromoethane	10.98	107	65792	18.137	ug/l	100
64) Tetrachloroethene	10.60	164	63440	17.199	ug/l	99
65) Chlorobenzene	11.40	112	175088	18.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	61013	17.505	ug/l	97
67) Ethyl Benzene	11.48	91	323751	18.242	ug/l	99
68) m/p-Xylenes	11.59	106	241512	35.852	ug/l	100
69) o-Xylene	11.92	106	116512	17.873	ug/l	98
70) Styrene	11.94	104	194979	18.062	ug/l	100
71) Bromoform	12.10	173	41393	16.675	ug/l #	99
73) Isopropylbenzene	12.22	105	303805	17.754	ug/l	100
74) N-amyl acetate	12.04	43	105723	16.879	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	83311	17.696	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	108155	23.647	ug/l #	100
77) Bromobenzene	12.50	156	68801	18.527	ug/l	98
78) n-propylbenzene	12.56	91	340803	17.480	ug/l	100
79) 2-Chlorotoluene	12.65	91	204625	17.756	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	245699	17.536	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	25378	14.719	ug/l	95
82) 4-Chlorotoluene	12.75	91	216174	18.116	ug/l	99
83) tert-Butylbenzene	12.97	119	199040	16.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	244483	17.436	ug/l	99
85) sec-Butylbenzene	13.15	105	258660	15.939	ug/l	100
86) p-Isopropyltoluene	13.26	119	234328	16.261	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	122918	18.086	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	125561	18.447	ug/l	99
89) n-Butylbenzene	13.59	91	203355	15.533	ug/l	100
90) Hexachloroethane	13.85	117	32111	16.442	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	119995	18.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16454	17.302	ug/l	99

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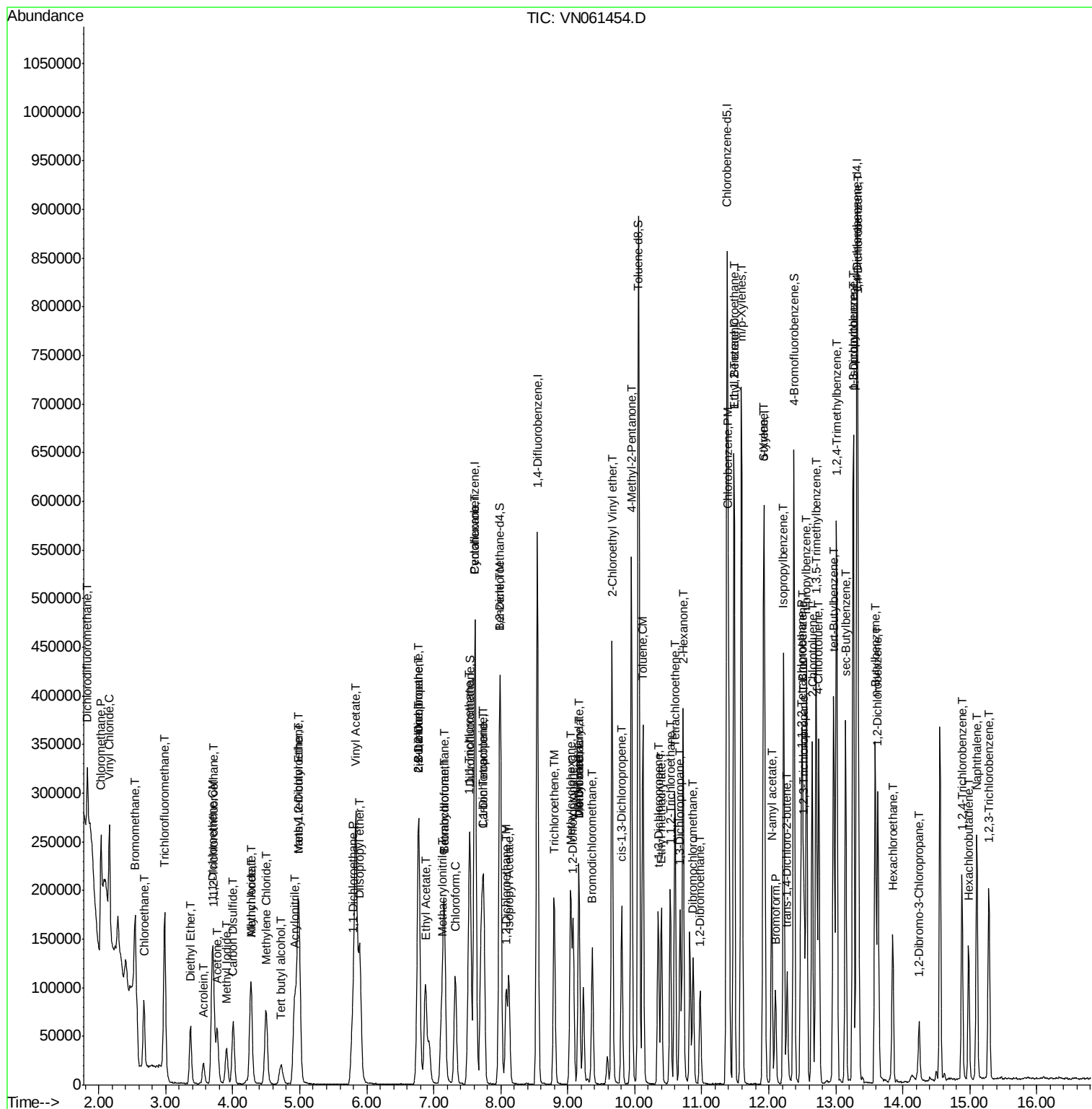
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	61626	17.433	ug/l	98
94) Hexachlorobutadiene	14.99	225	21993	14.002	ug/l	100
95) Naphthalene	15.10	128	208403	18.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	61226	17.398	ug/l	96

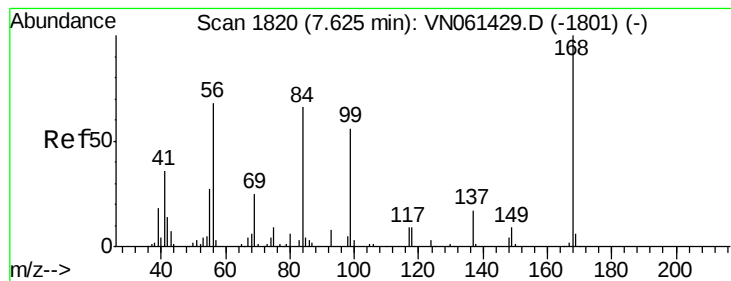
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

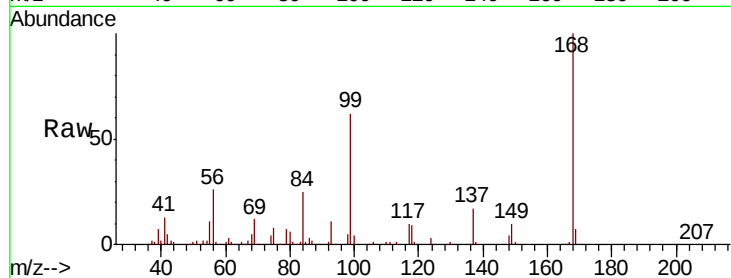
ClientSampleId :

Tot Ion:168 Resp: 271695

Ion Ratio Lower Upper

168 100

99 62.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): VN061429.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061429.D (-1801) (-)

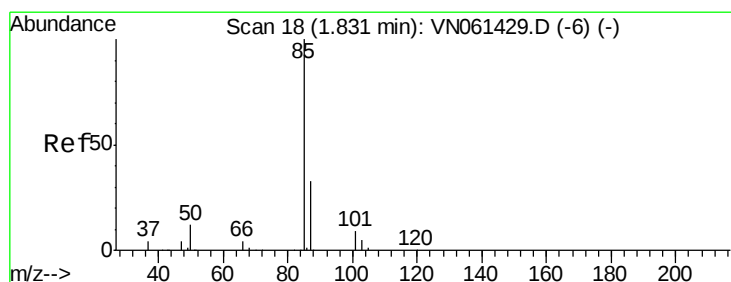
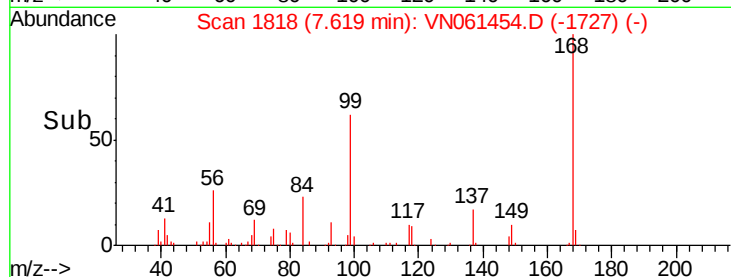
7.62

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.059 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061454.D

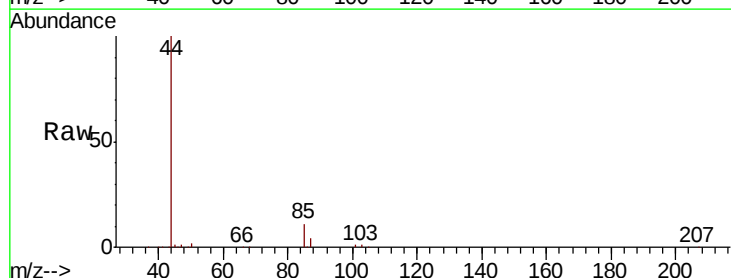
Acq: 19 May 2020 3:02

Tgt Ion: 85 Resp: 40797

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN061429.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VN061429.D (-6) (-)

1.83

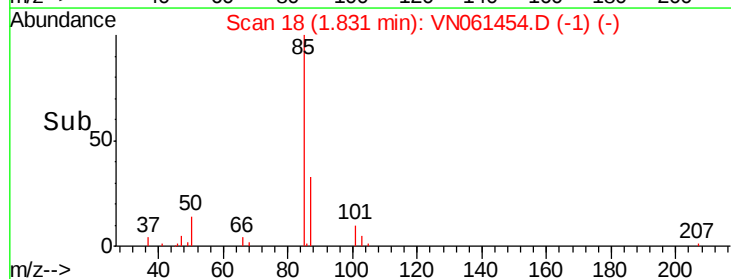
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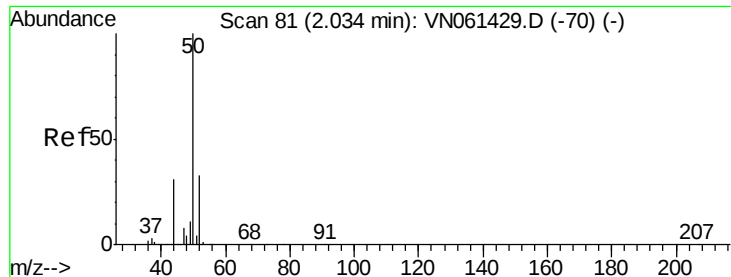
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.396 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

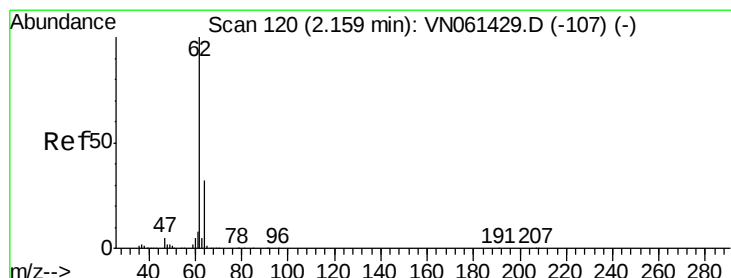
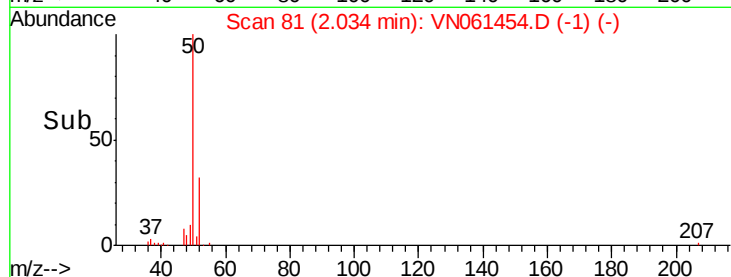
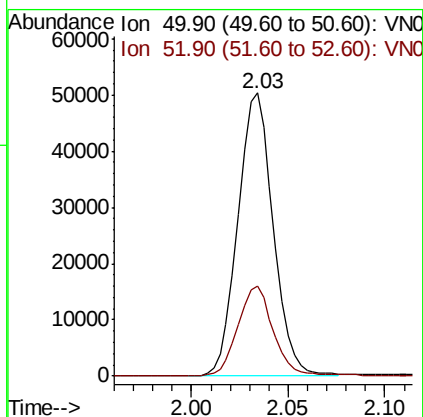
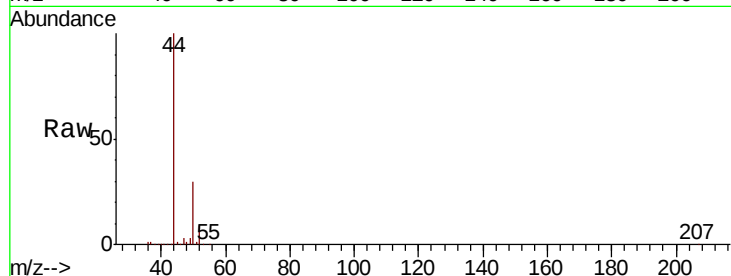
ClientSampleId :

Tot Ion: 50 Resp: 64099

Ion Ratio Lower Upper

50 100

52 31.6 26.7 40.1



#4

Vinyl Chloride

Concen: 17.960 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061454.D

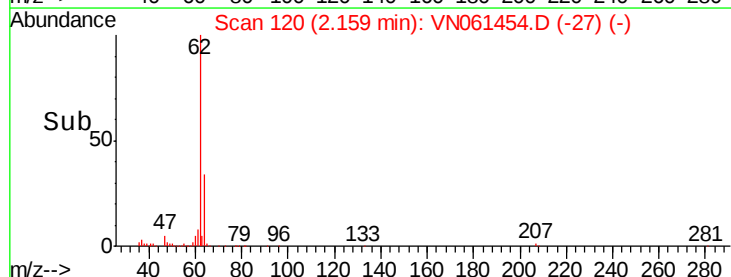
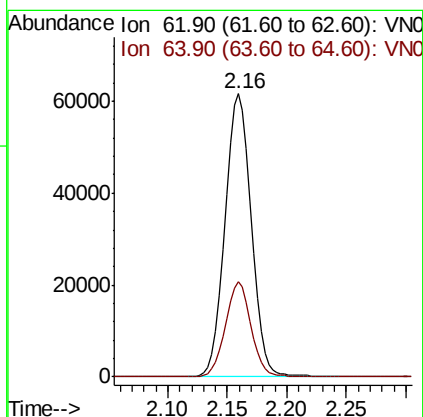
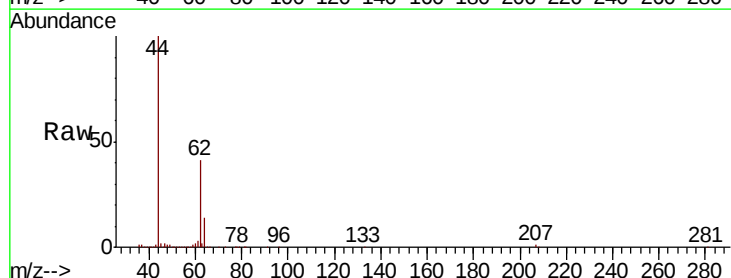
Acq: 19 May 2020 3:02

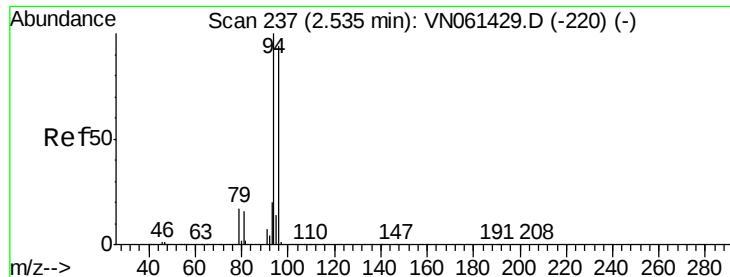
Tgt Ion: 62 Resp: 94712

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 17.817 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

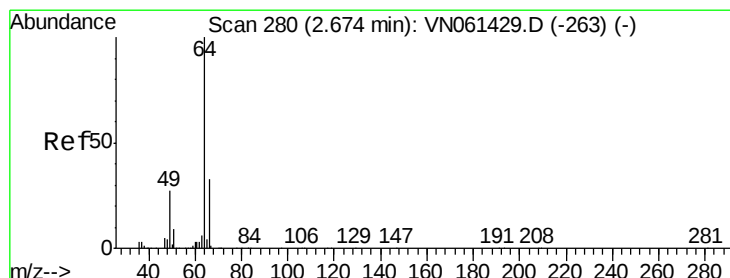
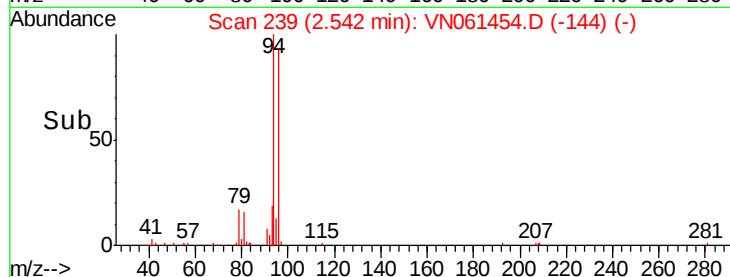
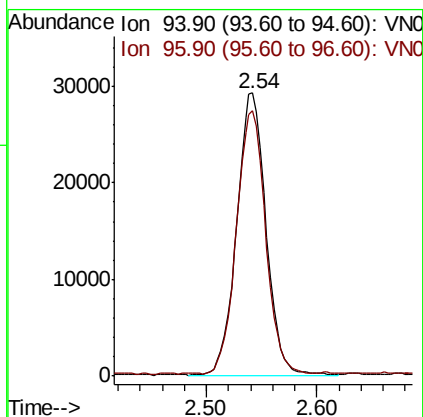
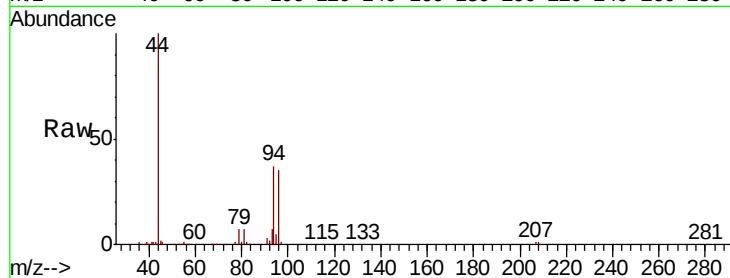
ClientSampleId :

Tot Ion: 94 Resp: 54362

Ion Ratio Lower Upper

94 100

96 93.0 74.9 112.3



#6

Chloroethane

Concen: 17.217 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061454.D

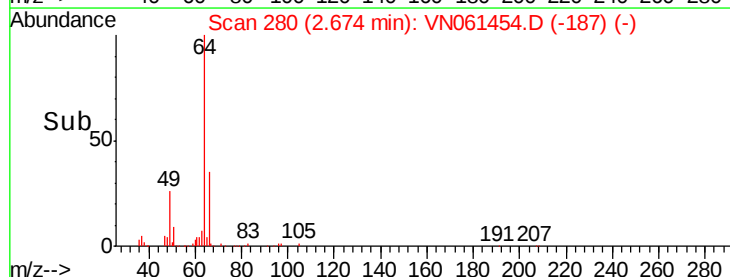
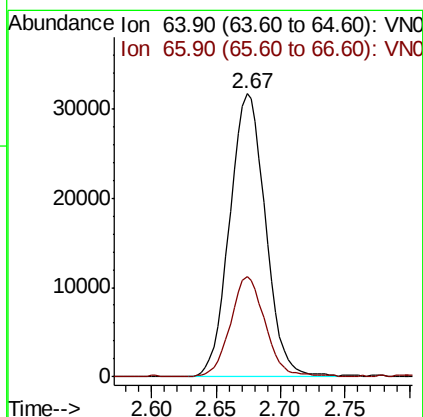
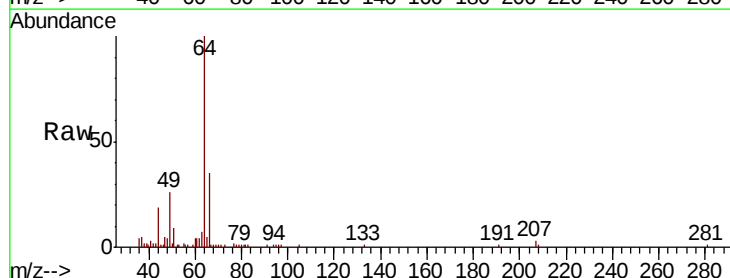
Acq: 19 May 2020 3:02

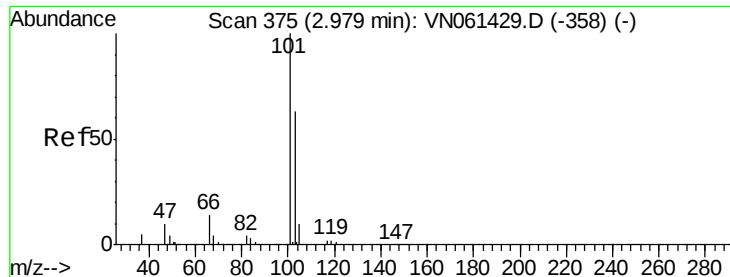
Tgt Ion: 64 Resp: 61112

Ion Ratio Lower Upper

64 100

66 35.3 26.3 39.5



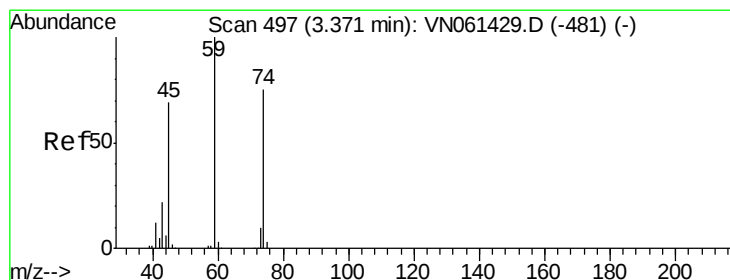
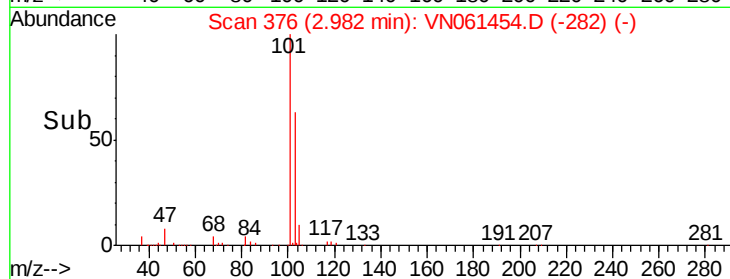
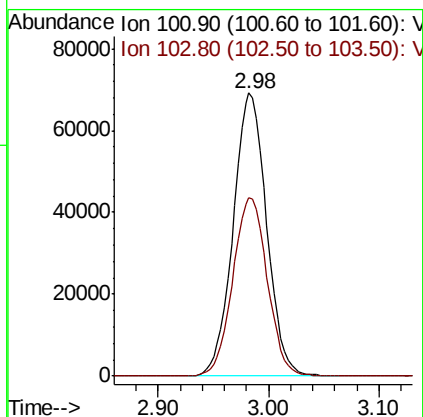
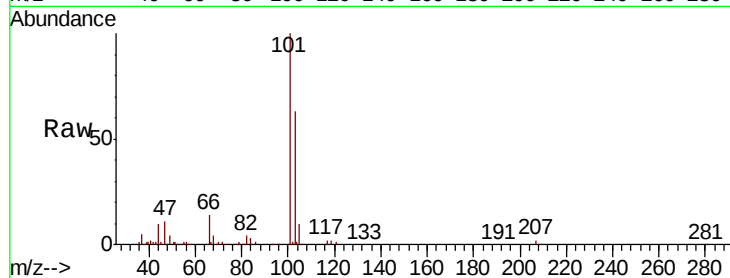


#7

Trichlorofluoromethane
Concen: 22.635 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
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ClientSampleId :

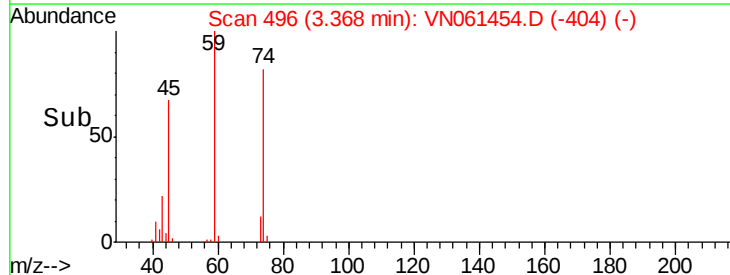
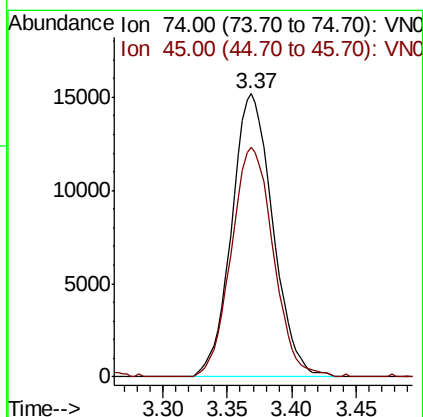
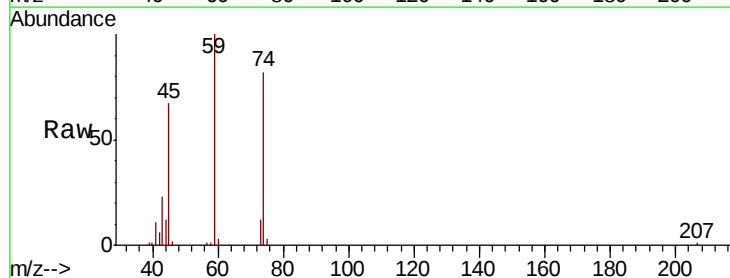
Tot Ion:101 Resp: 144919
Ion Ratio Lower Upper
101 100
103 62.9 50.2 75.4

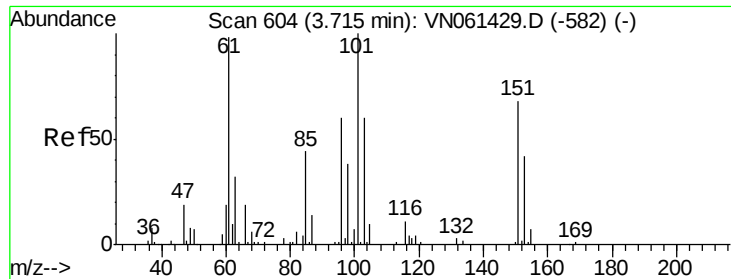


#8

Diethyl Ether
Concen: 18.113 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 74 Resp: 33777
Ion Ratio Lower Upper
74 100
45 82.7 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.941 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampled :

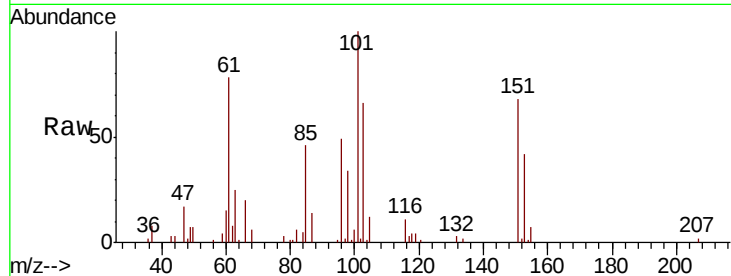
Tot Ion:101 Resp: 47765

Ion Ratio Lower Upper

101 100

85 47.4 36.6 55.0

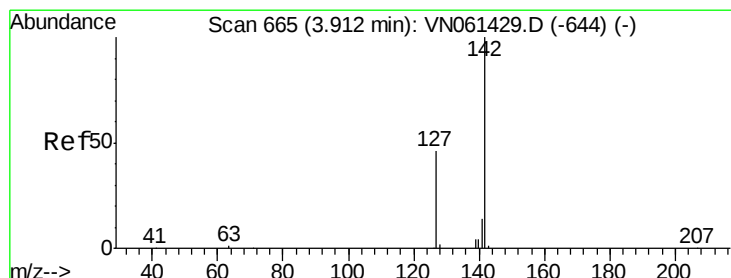
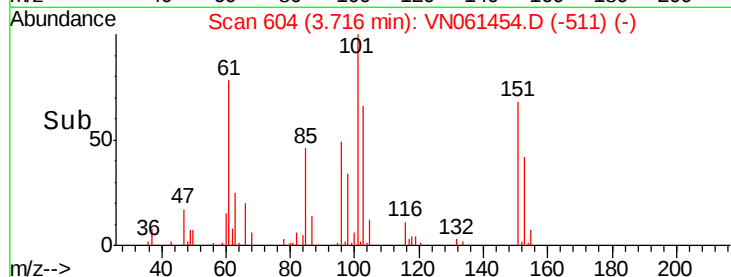
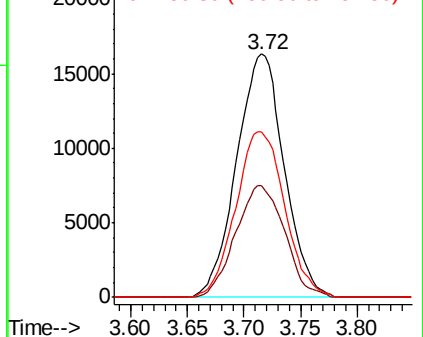
151 70.0 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.782 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

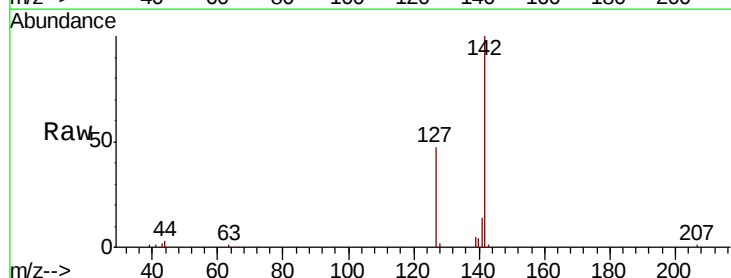
Tgt Ion:142 Resp: 57501

Ion Ratio Lower Upper

142 100

127 45.8 36.7 55.1

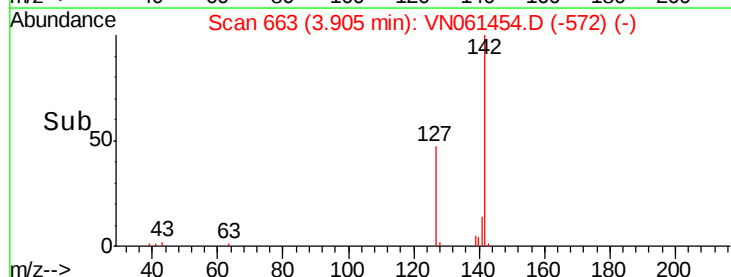
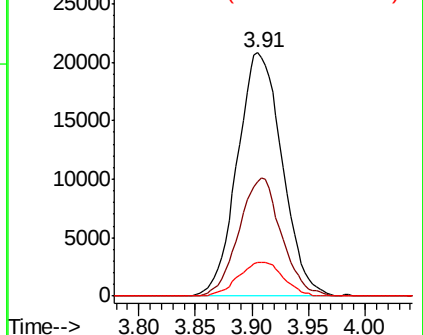
141 13.9 11.5 17.3

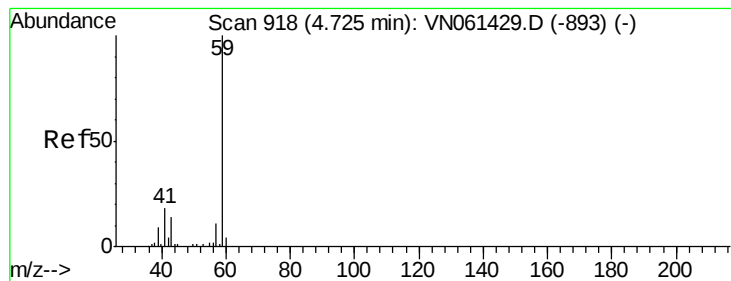


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



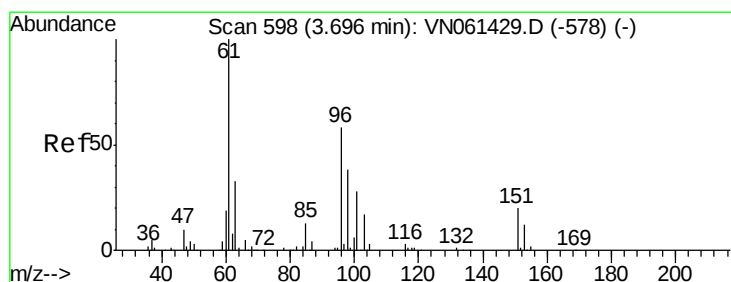
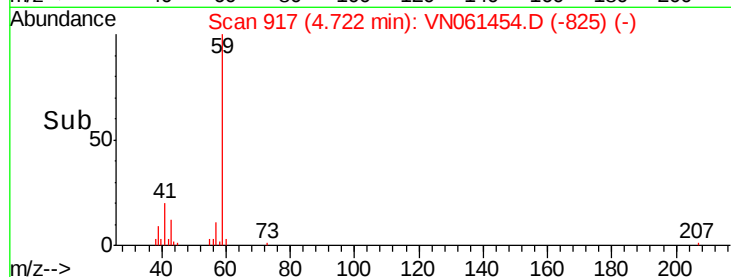
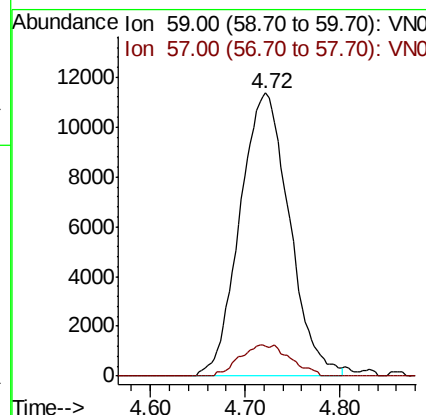
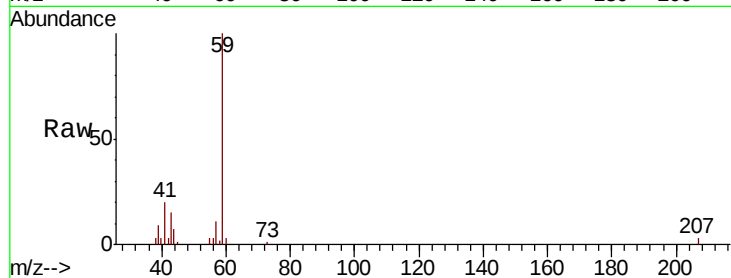


#11

Tert butyl alcohol
 Concen: 88.352 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :

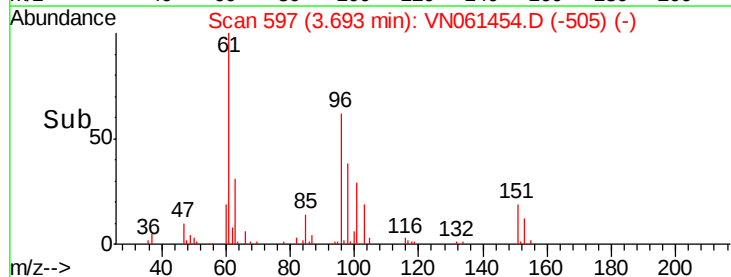
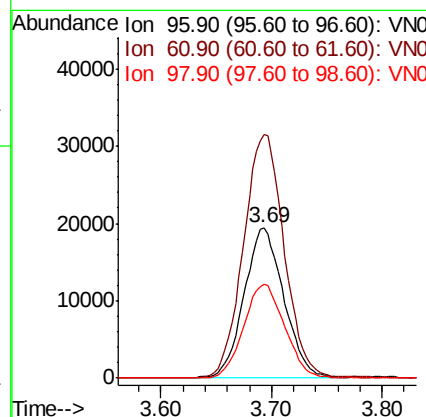
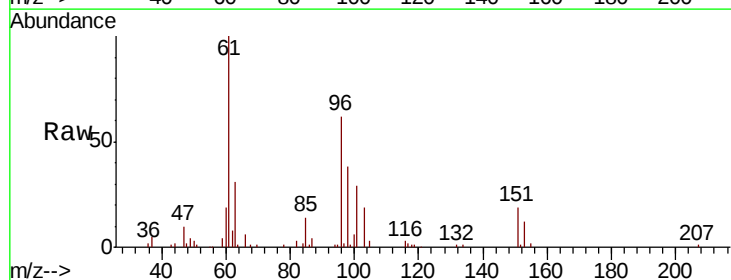
Tot Ion: 59 Resp: 41280
 Ion Ratio Lower Upper
 59 100
 57 6.5 8.2 12.2#

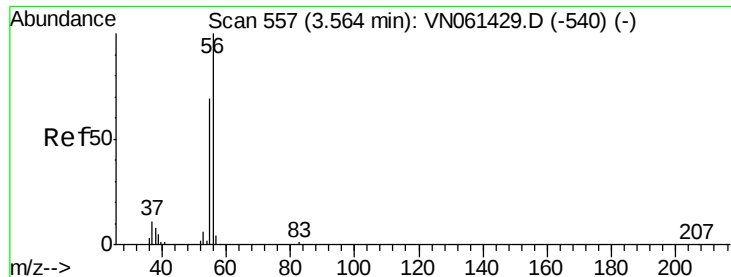


#12

1,1-Dichloroethene
 Concen: 17.505 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 96 Resp: 48751
 Ion Ratio Lower Upper
 96 100
 61 161.5 138.7 208.1
 98 62.2 53.0 79.6





#13

Acrolein

Concen: 62.390 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

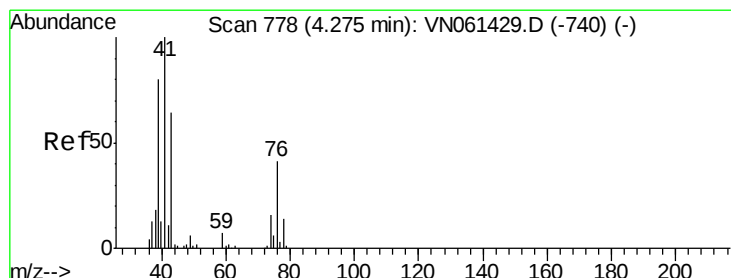
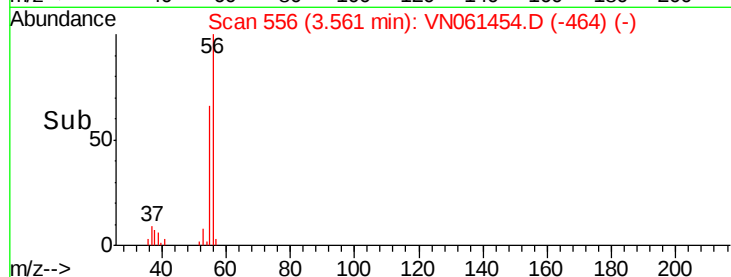
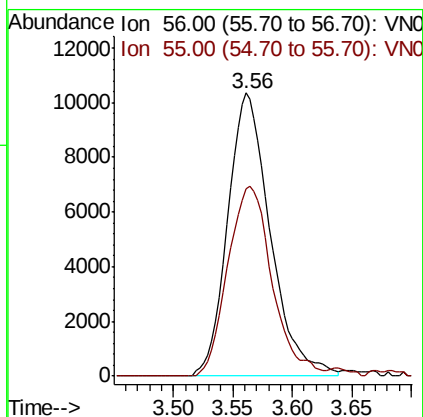
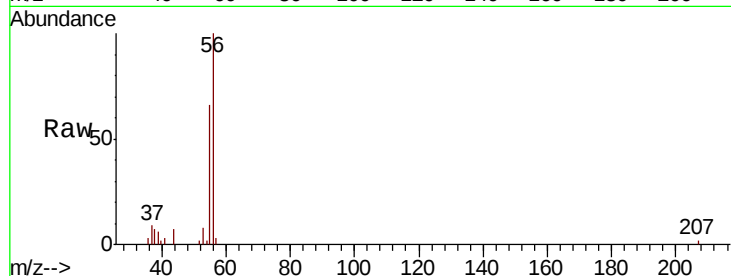
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 25619

Ion Ratio Lower Upper

56 100

55 69.7 54.8 82.2



#14

Allyl chloride

Concen: 17.064 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

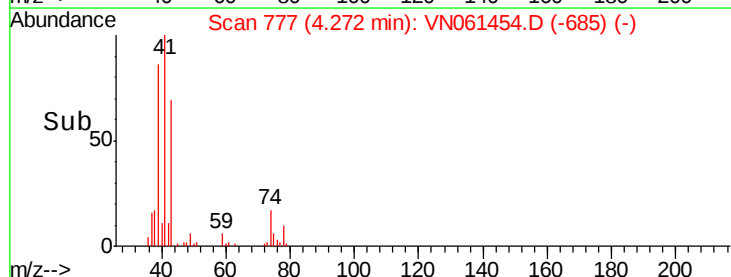
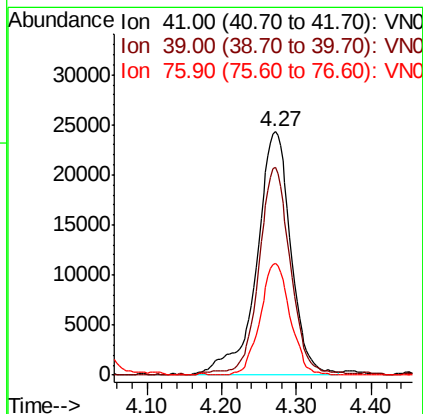
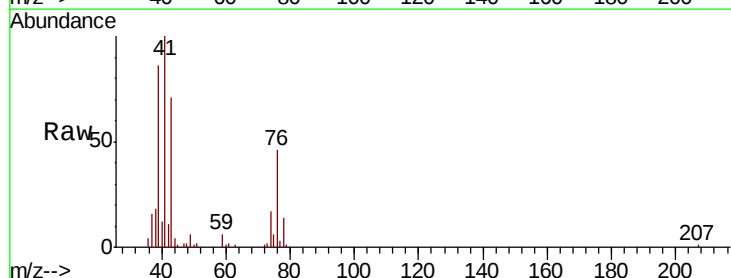
Tgt Ion: 41 Resp: 77338

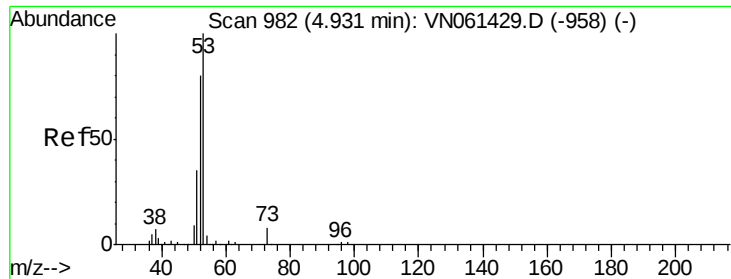
Ion Ratio Lower Upper

41 100

39 77.1 61.2 91.8

76 40.4 29.9 44.9





#15

Acrylonitrile

Concen: 85.674 ug/l

RT: 4.92 min Scan# 979

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

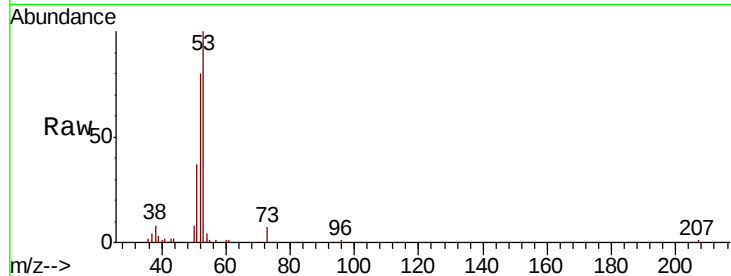
Tot Ion: 53 Resp: 118592

Ion Ratio Lower Upper

53 100

52 81.6 64.7 97.1

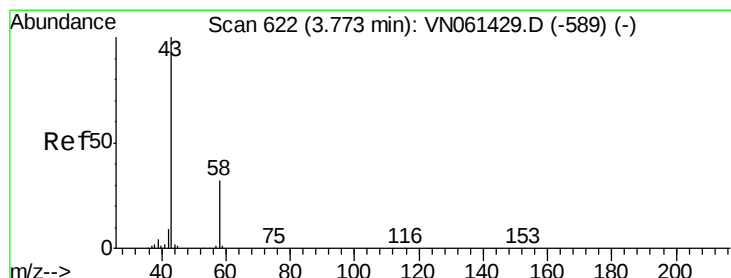
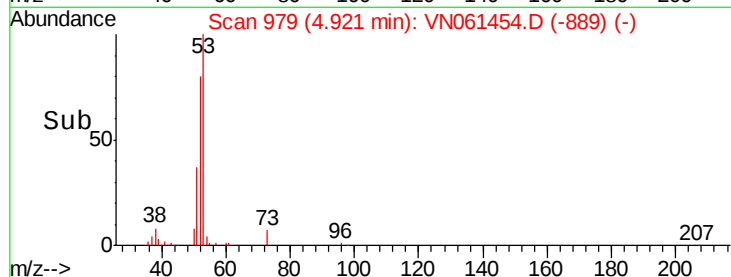
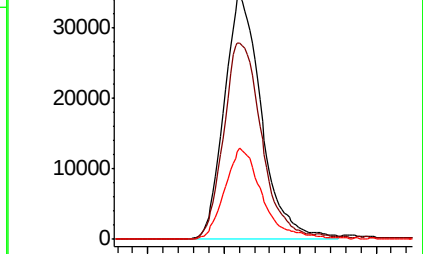
51 37.3 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061429.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061429.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061429.D (-958) (-)



#16

Acetone

Concen: 80.258 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN061454.D

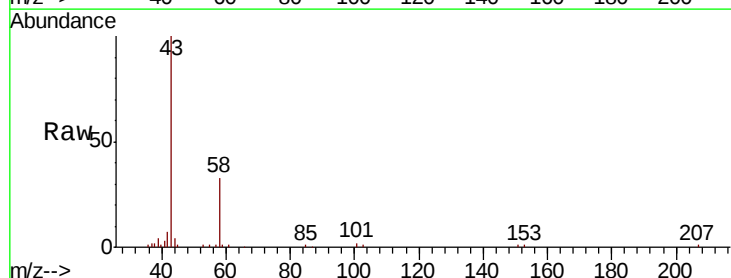
Acq: 19 May 2020 3:02

Tgt Ion: 43 Resp: 91316

Ion Ratio Lower Upper

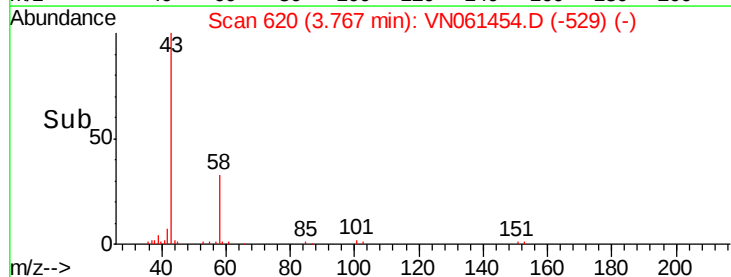
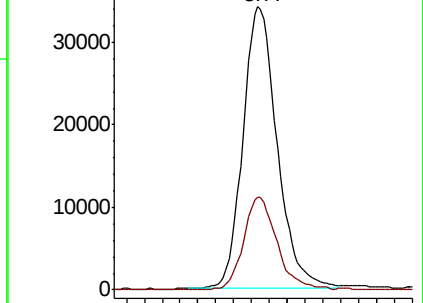
43 100

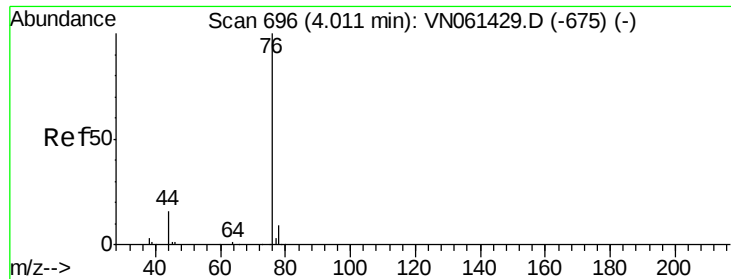
58 33.0 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-589) (-)

Ion 58.00 (57.70 to 58.70): VN061429.D (-589) (-)

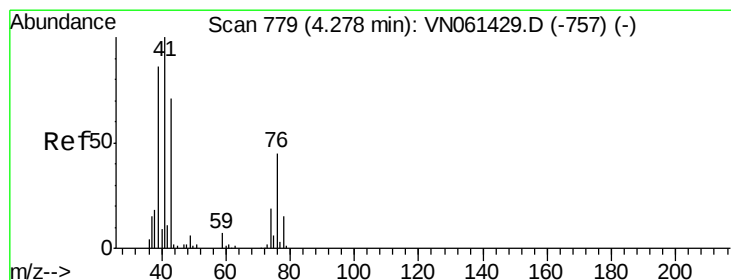
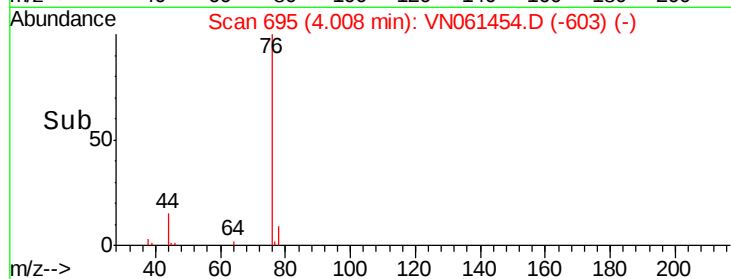
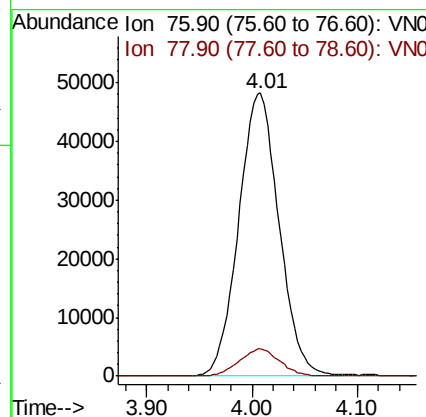
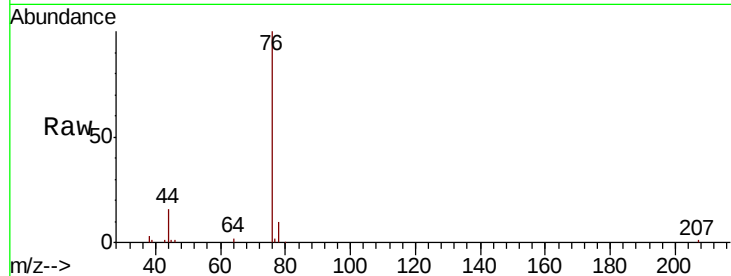




#17
Carbon Disulfide
Concen: 19.504 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

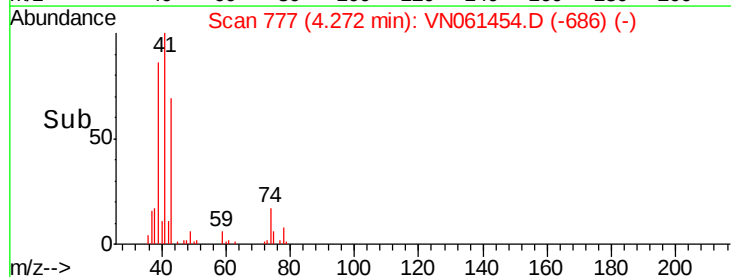
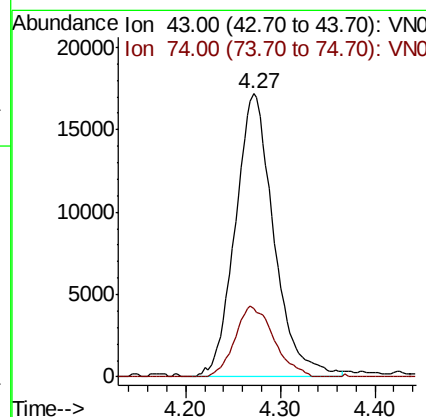
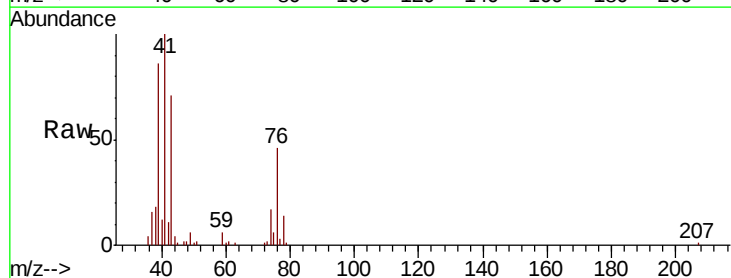
Instrument :
MSVOA_N
ClientSampled :

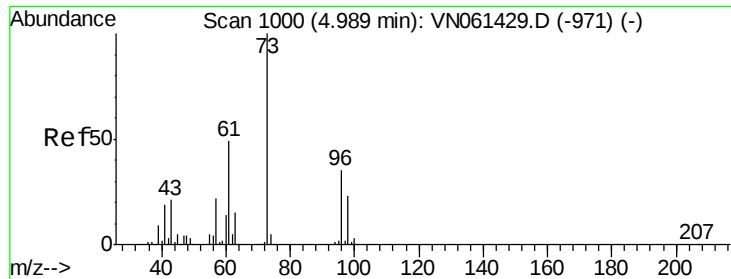
Tot Ion: 76 Resp: 128211
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 16.836 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 43 Resp: 48793
Ion Ratio Lower Upper
43 100
74 25.2 20.8 31.2

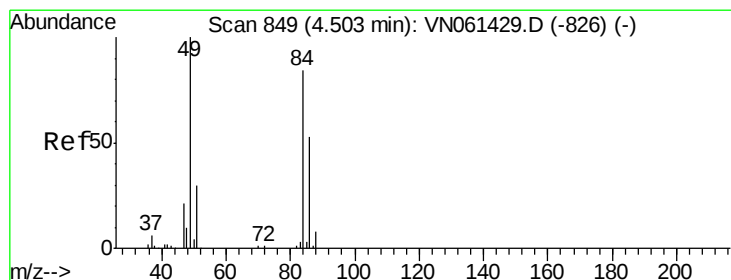
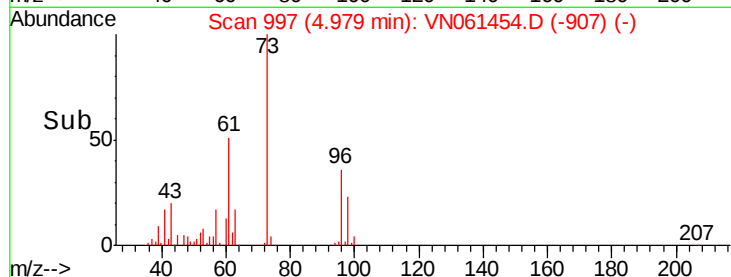
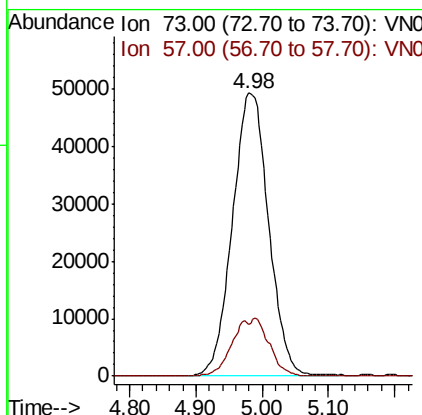
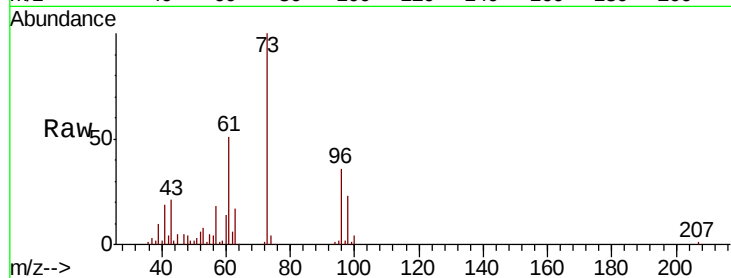




#19
Methvl tert-butvl Ether
Concen: 17.682 ug/l
RT: 4.98 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

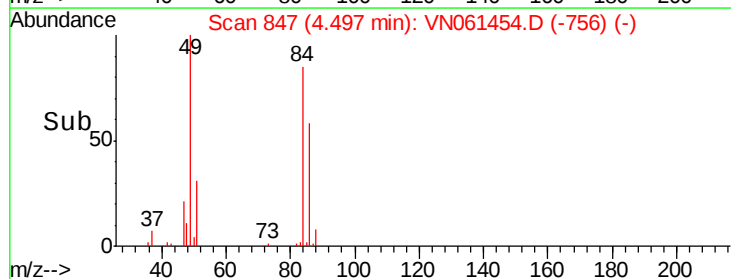
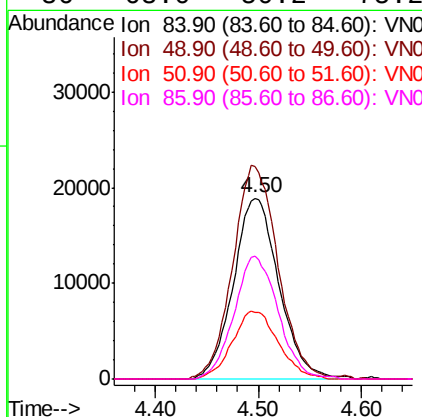
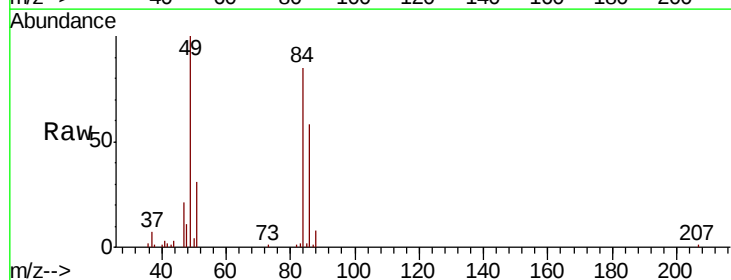
Instrument :
MSVOA_N
ClientSampleId :

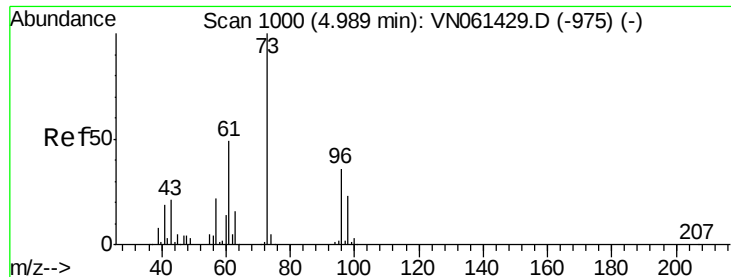
Tot Ion: 73 Resp: 186871
Ion Ratio Lower Upper
73 100
57 18.5 17.4 26.0



#20
Methylene Chloride
Concen: 17.408 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 84 Resp: 58013
Ion Ratio Lower Upper
84 100
49 117.6 95.3 142.9
51 36.8 29.0 43.6
86 68.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.878 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

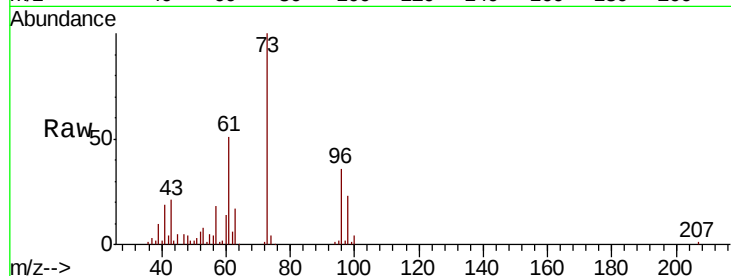
Tot Ion: 96 Resp: 57411

Ion Ratio Lower Upper

96 100

61 139.5 109.8 164.6

98 62.8 52.4 78.6

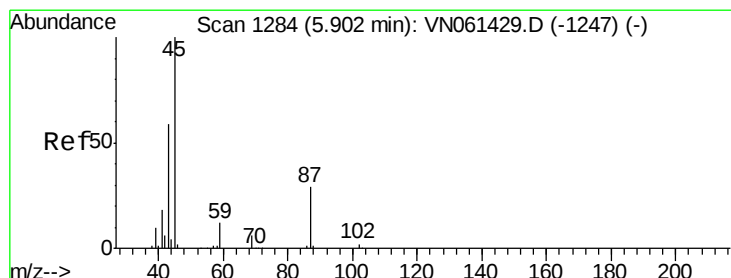
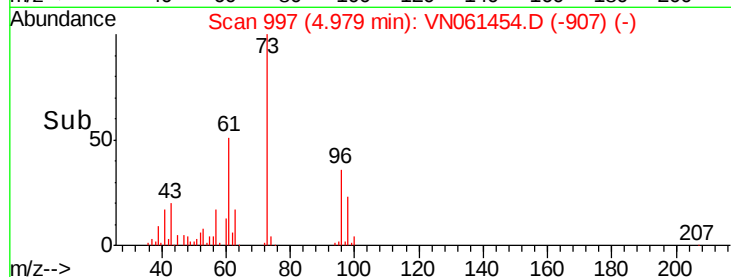
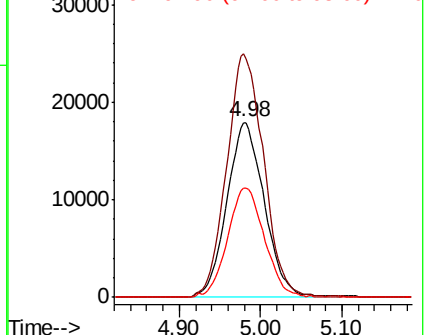


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 17.797 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion: 45 Resp: 181260

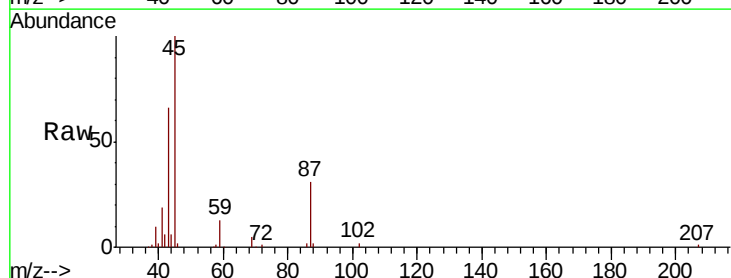
Ion Ratio Lower Upper

45 100

43 63.5 47.9 71.9

87 31.3 24.0 36.0

59 12.2 9.7 14.5



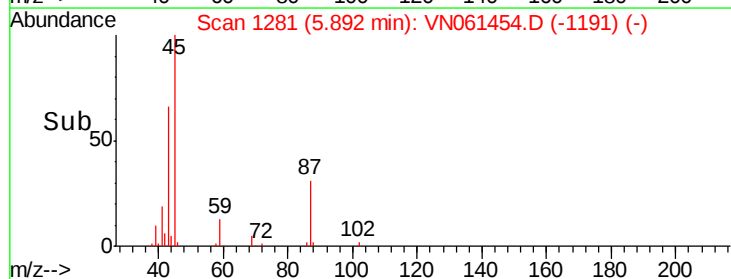
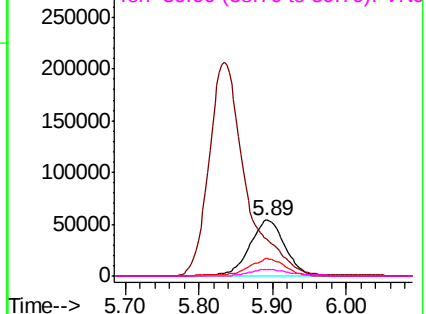
Abundance

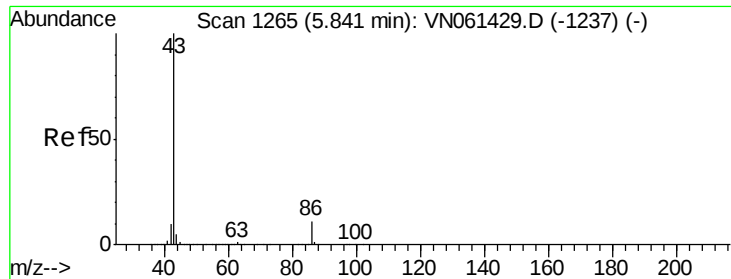
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

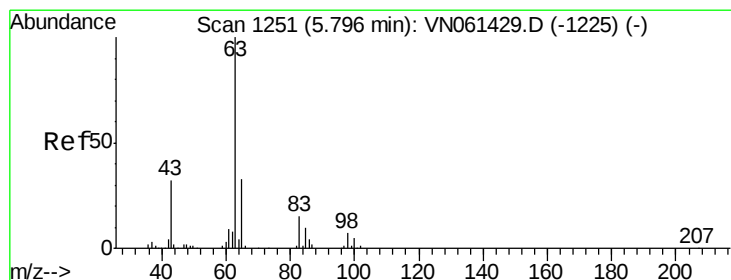
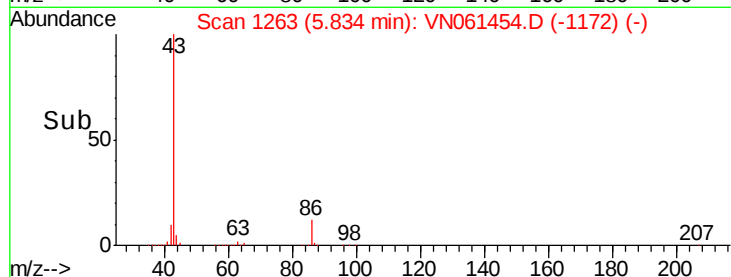
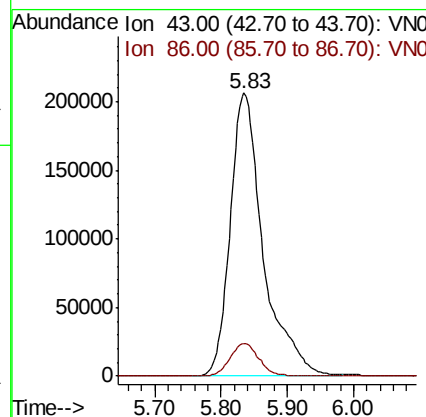
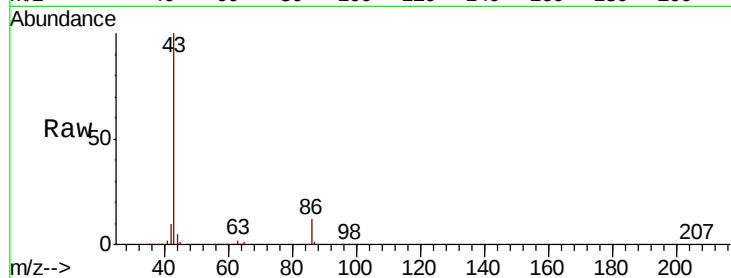




#23
 Vinyl Acetate
 Concen: 88.232 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

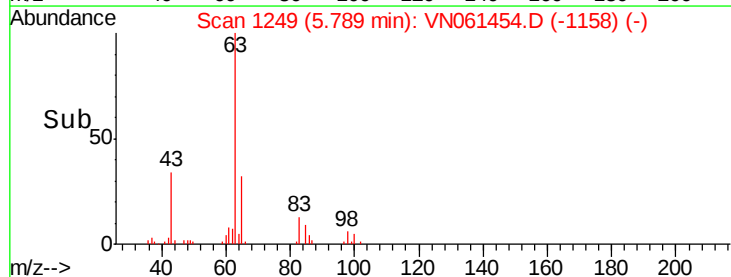
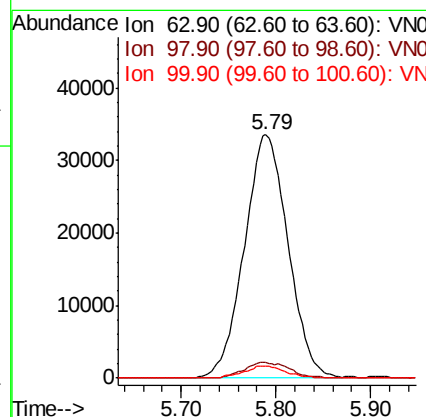
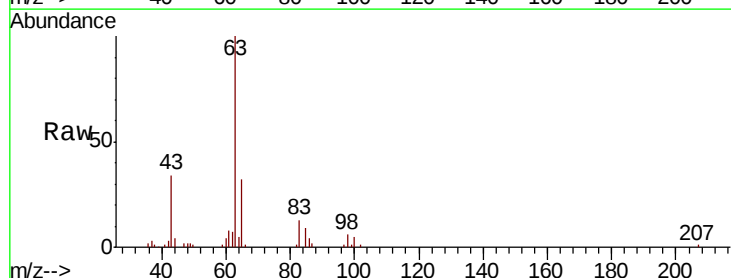
Instrument :
 MSVOA_N
 ClientSampleId :

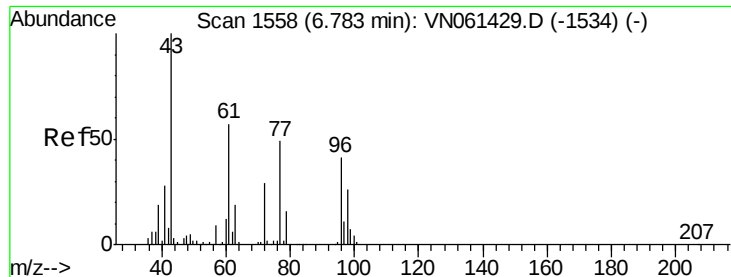
Tot Ion: 43 Resp: 714591
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 18.135 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 63 Resp: 107730
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 5.0 2.3 6.9

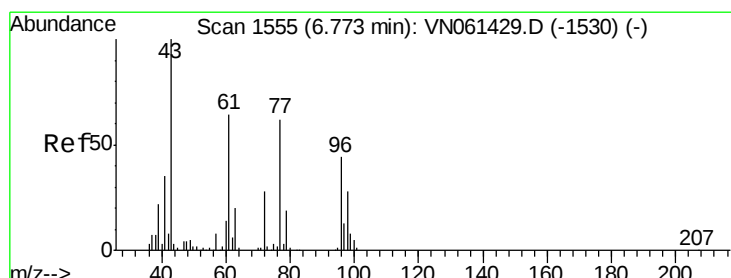
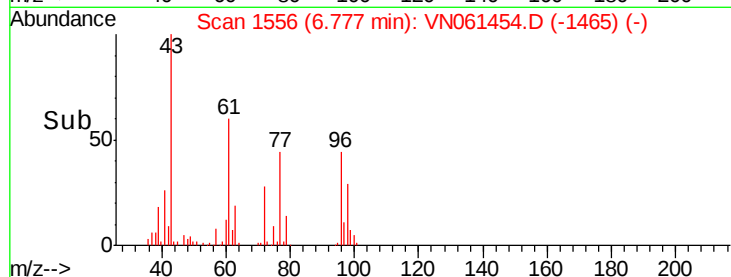
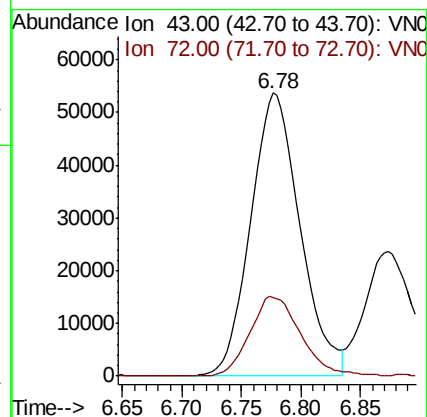
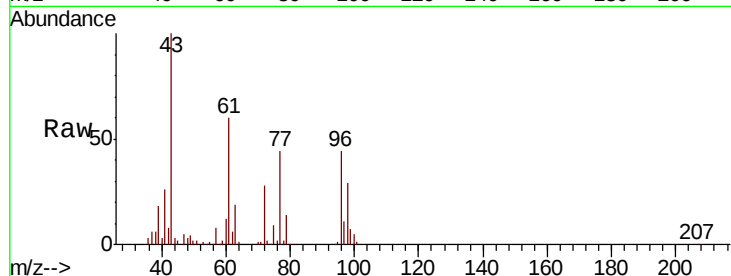




#25
 2-Butanone
 Concen: 83.194 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

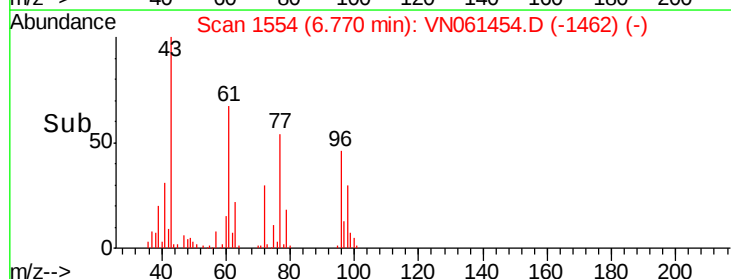
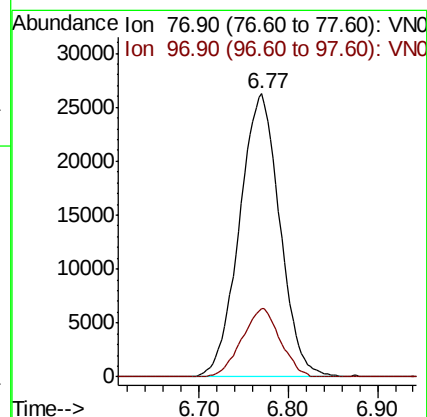
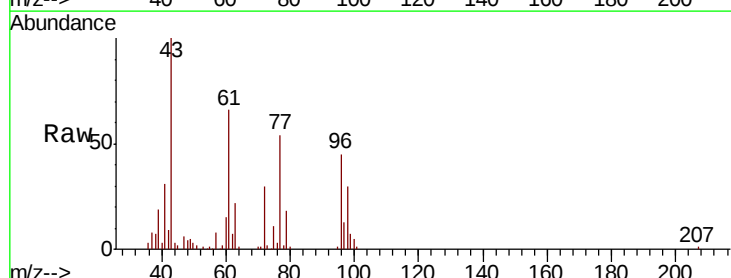
Instrument :
 MSVOA_N
 ClientSampled :

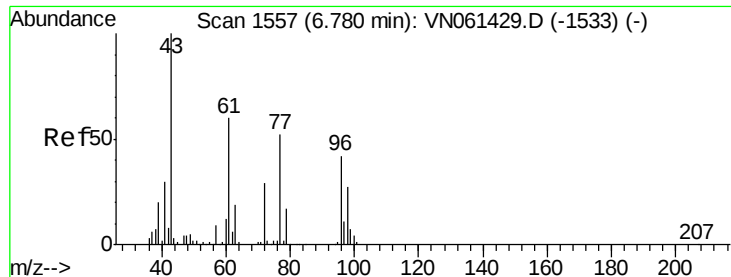
Tot Ion: 43 Resp: 153596
 Ion Ratio Lower Upper
 43 100
 72 28.0 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 14.576 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 77 Resp: 82546
 Ion Ratio Lower Upper
 77 100
 97 22.9 10.9 32.9

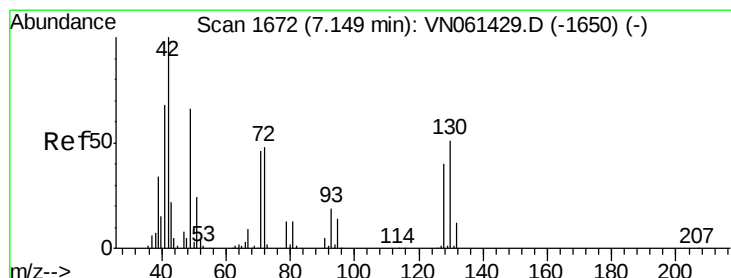
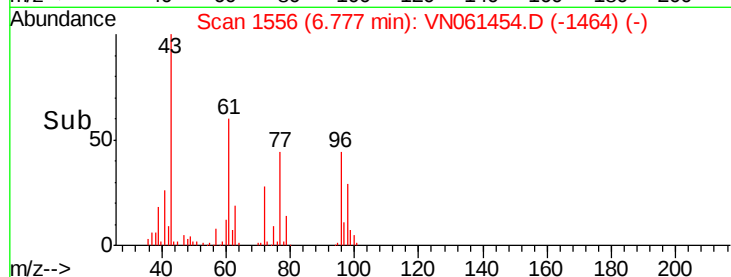
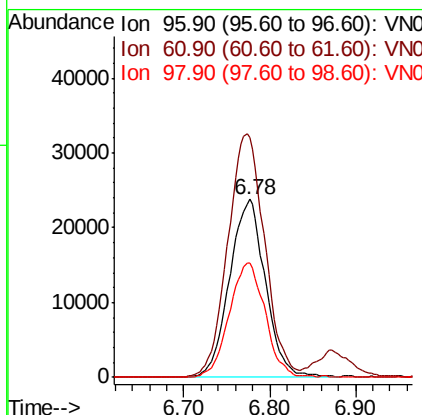
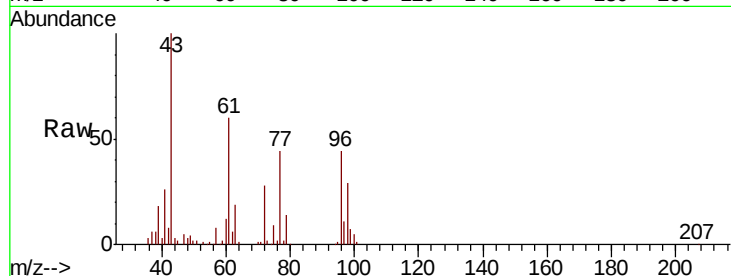




#27
 cis-1,2-Dichloroethene
 Concen: 18.215 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

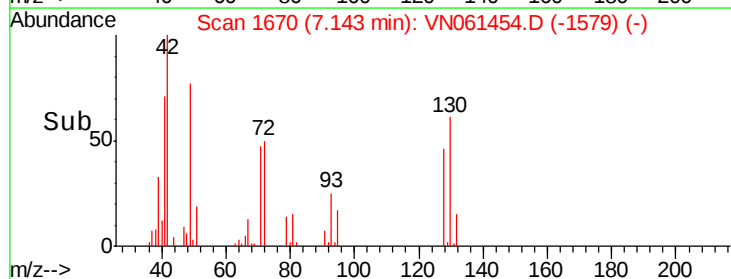
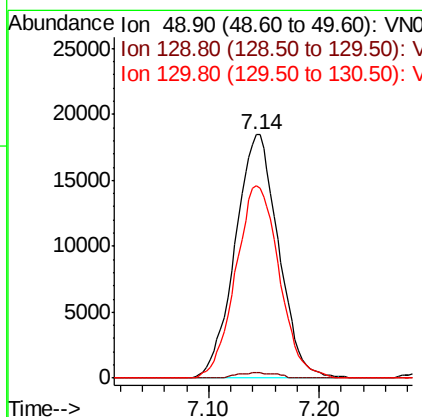
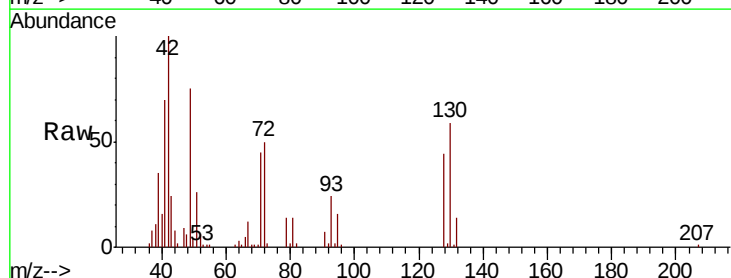
Instrument :
 MSVOA_N
 ClientSampled :

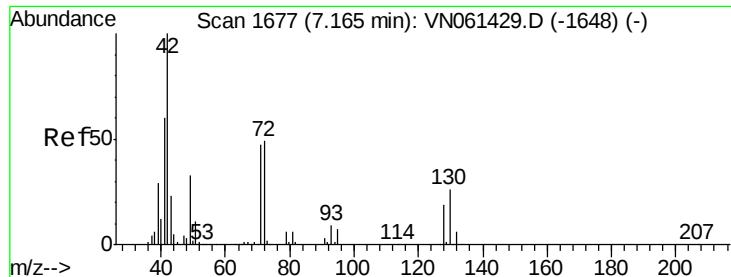
Tot Ion: 96 Resp: 69097
 Ion Ratio Lower Upper
 96 100
 61 140.3 0.0 294.2
 98 63.9 0.0 128.2



#28
 Bromochloromethane
 Concen: 19.974 ug/l
 RT: 7.14 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 49 Resp: 50366
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.6
 130 79.5 62.2 93.2

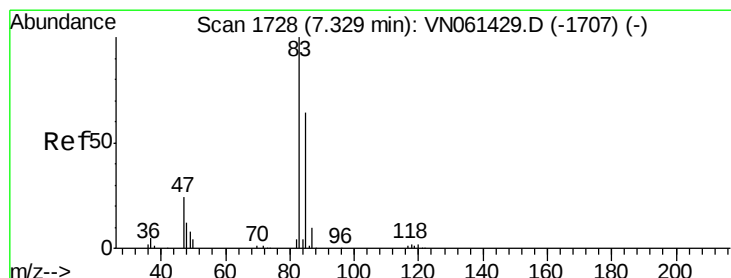
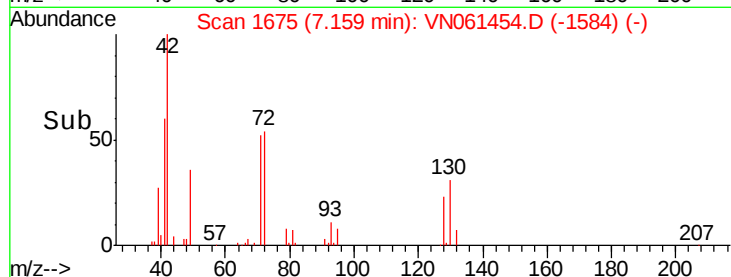
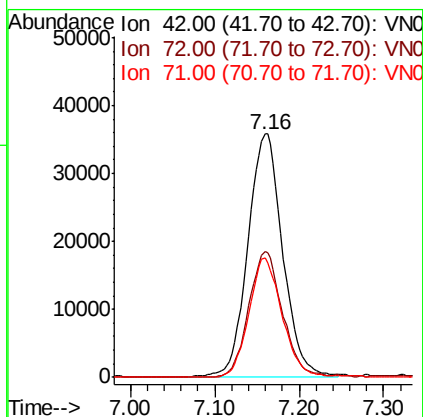
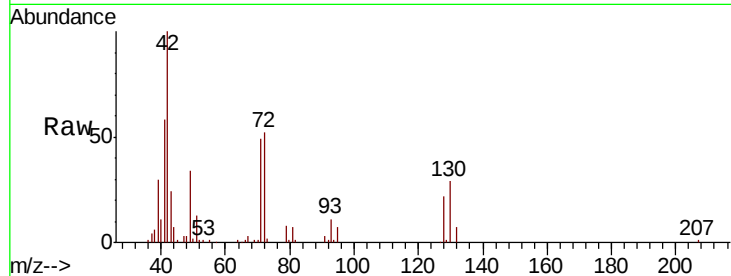




#29
Tetrahydrofuran
Concen: 84.225 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

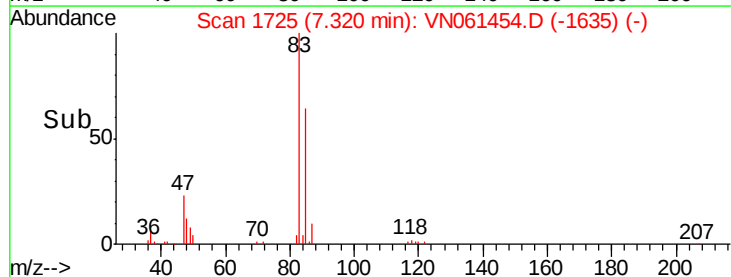
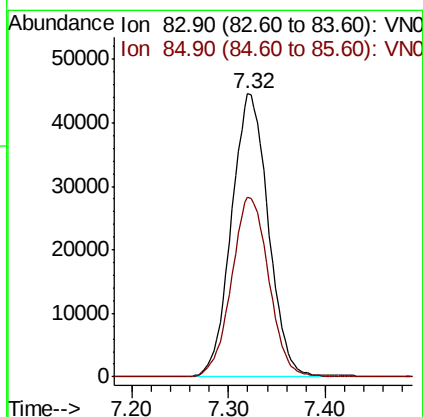
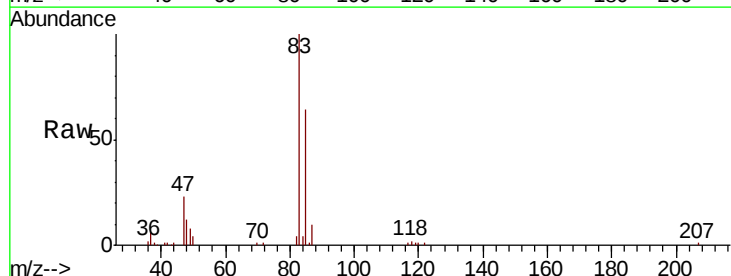
Instrument :
MSVOA_N
ClientSampled :

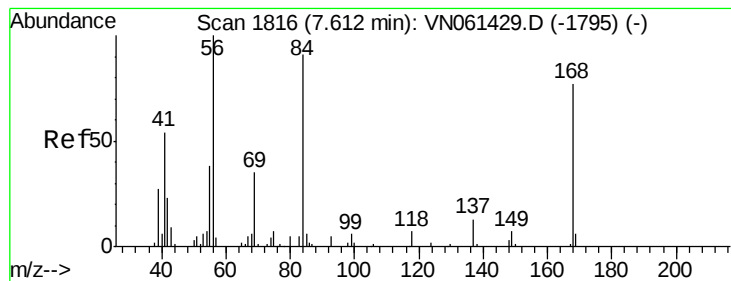
Tot Ion: 42 Resp: 102983
Ion Ratio Lower Upper
42 100
72 49.9 39.0 58.6
71 46.5 36.9 55.3



#30
Chloroform
Concen: 18.989 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 83 Resp: 117816
Ion Ratio Lower Upper
83 100
85 63.6 51.0 76.4





#31

Cyclohexane

Concen: 16.423 ug/l

RT: 7.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampled :

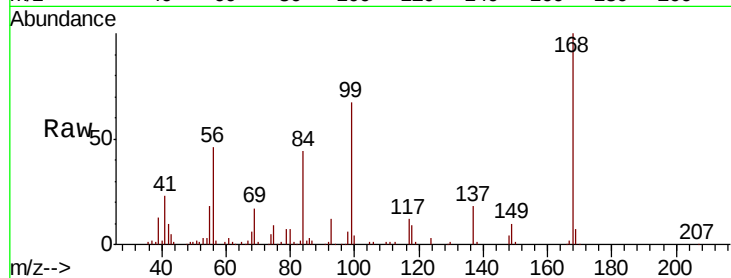
Tot Ion: 56 Resp: 96324

Ion Ratio Lower Upper

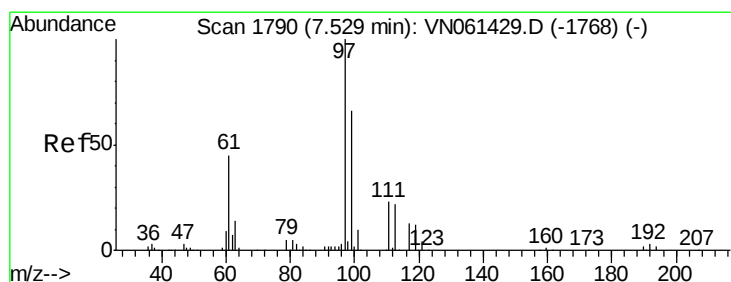
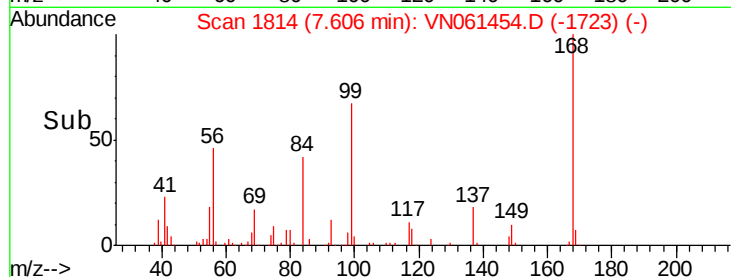
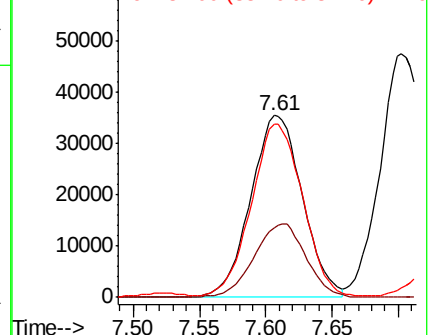
56 100

69 38.0 27.8 41.6

84 94.7 72.7 109.1



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



#32

1,1,1-Trichloroethane

Concen: 18.217 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

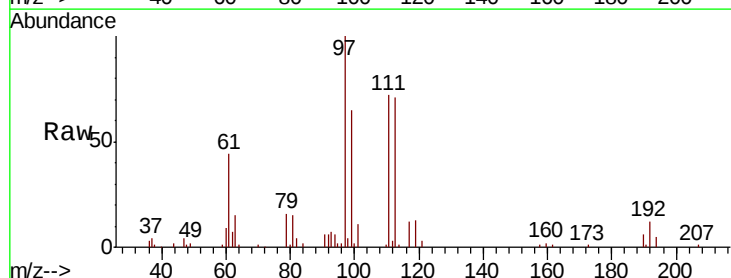
Tgt Ion: 97 Resp: 103283

Ion Ratio Lower Upper

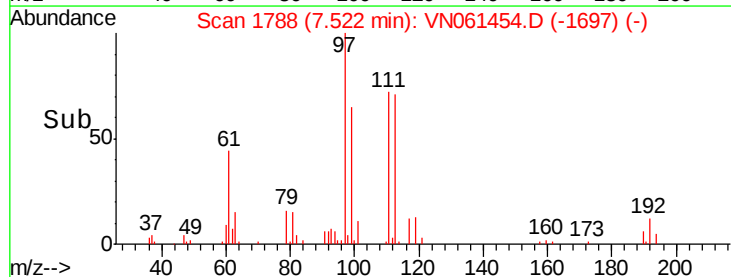
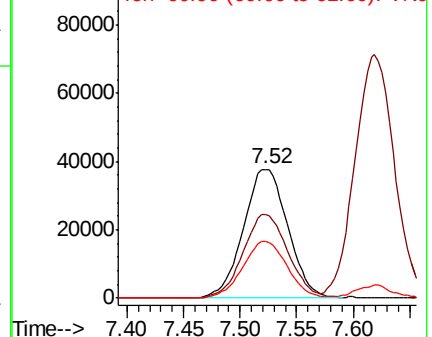
97 100

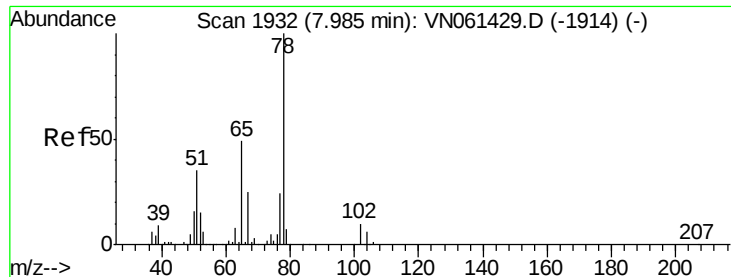
99 64.9 51.5 77.3

61 43.9 35.8 53.6



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

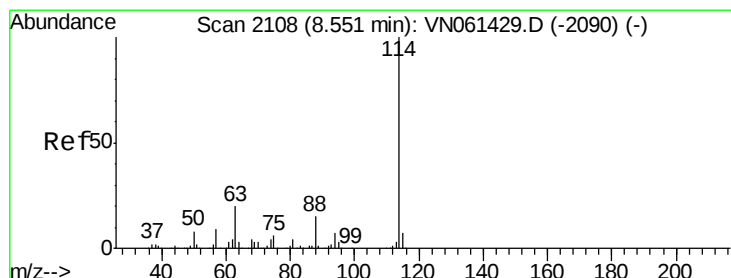
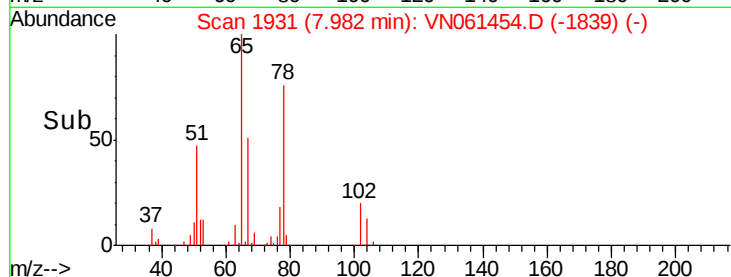
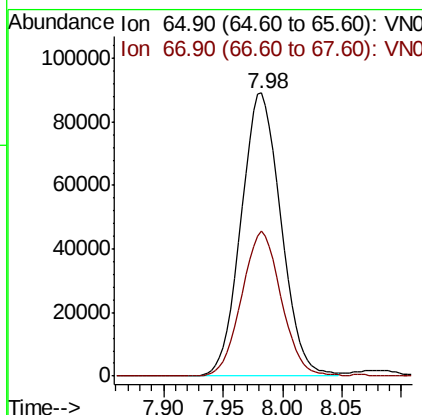
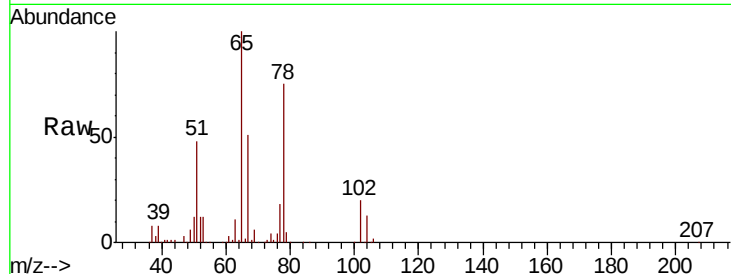




#33
 1,2-Dichloroethane-d4
 Concen: 51.122 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

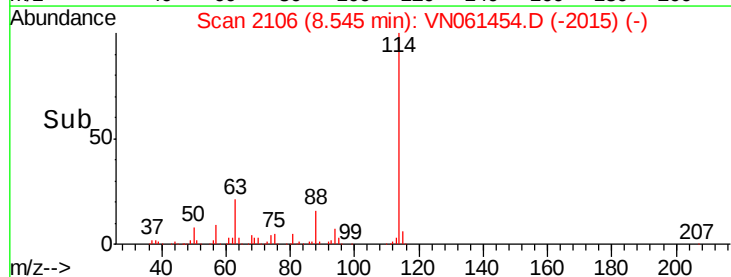
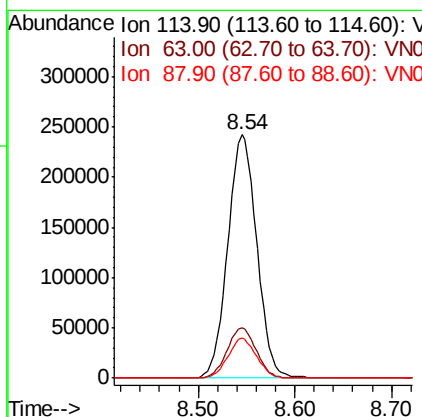
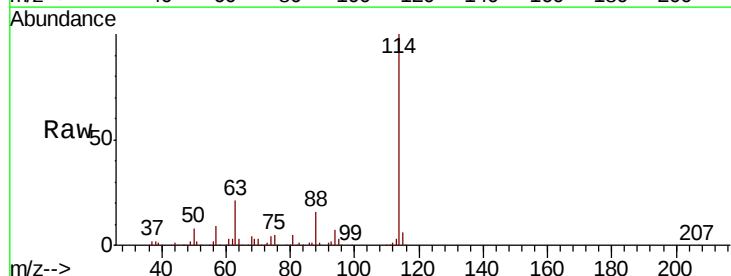
Instrument :
 MSVOA_N
 ClientSampleId :

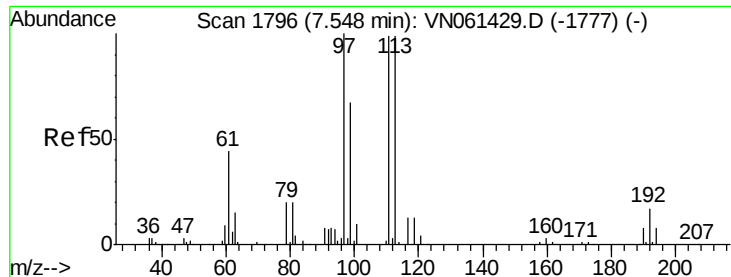
Tot Ion: 65 Resp: 207295
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 114 Resp: 504438
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 16.5 0.0 30.8

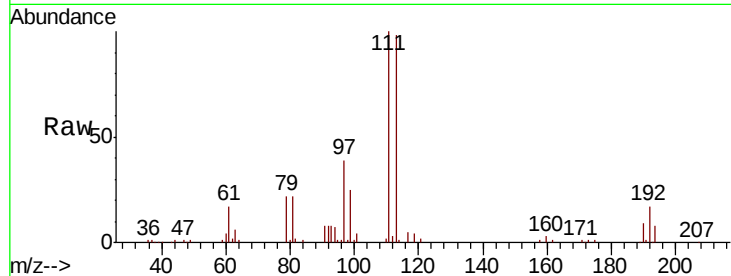




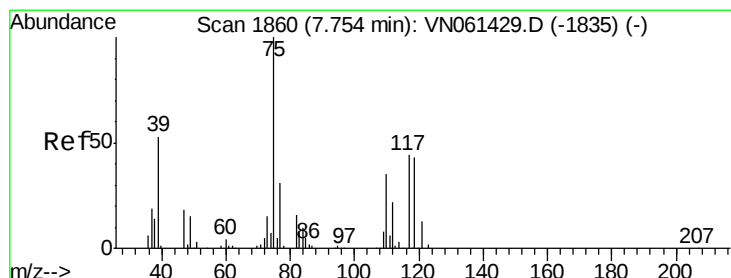
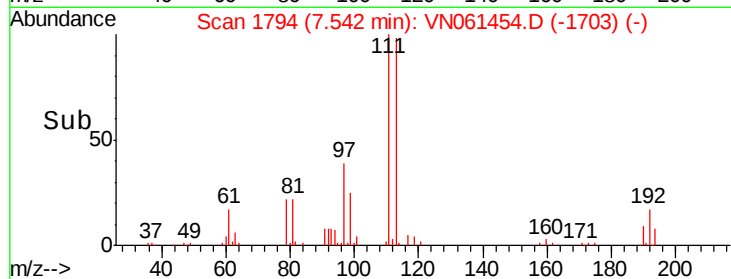
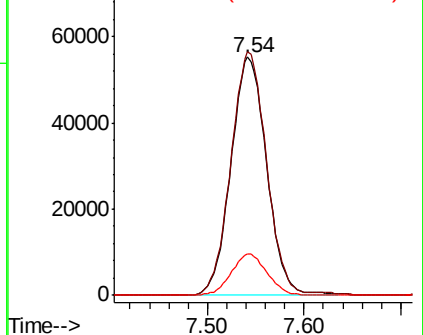
#35
 Dibromofluoromethane
 Concen: 53.638 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 141744
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.6 121.0
 192 17.3 13.2 19.8

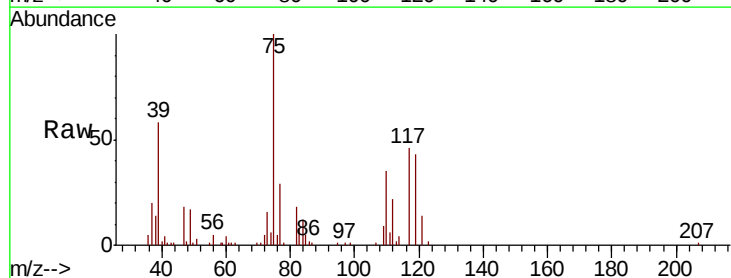


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

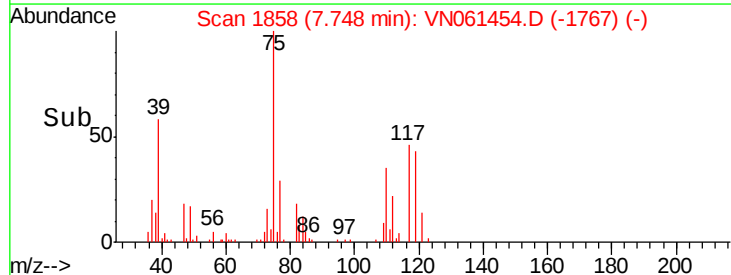
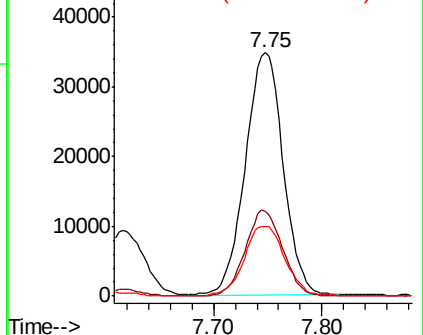


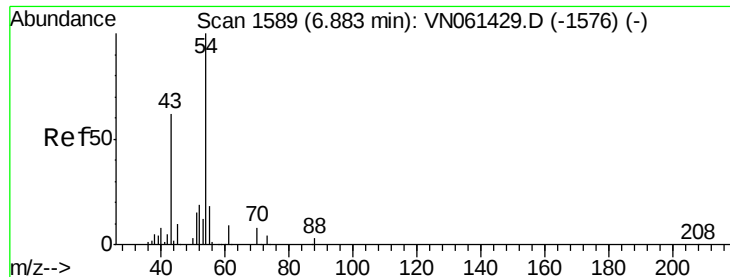
#36
 1,1-Dichloropropene
 Concen: 17.966 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 75 Resp: 84743
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.3 51.9
 77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

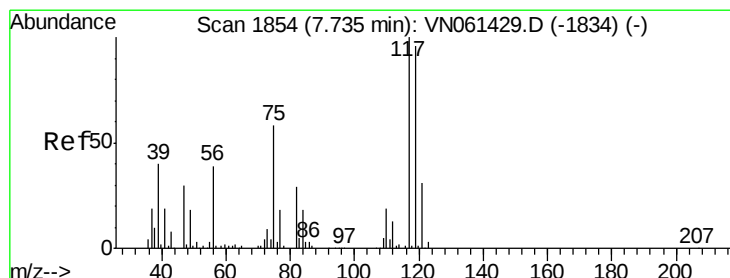
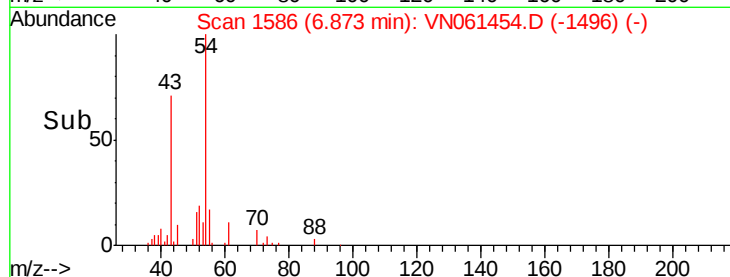
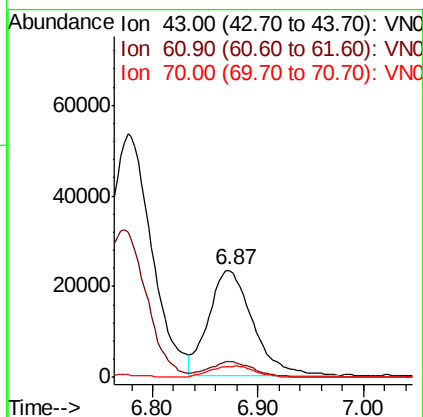
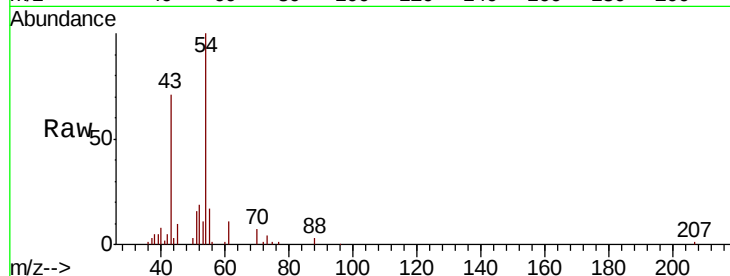




#37
Ethyl Acetate
Concen: 15.800 ug/l
RT: 6.87 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

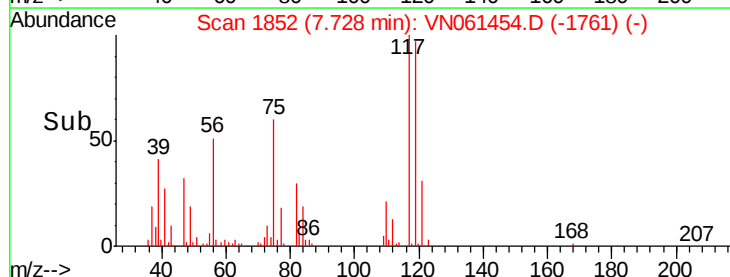
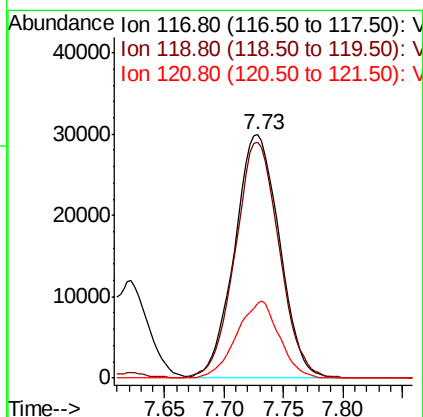
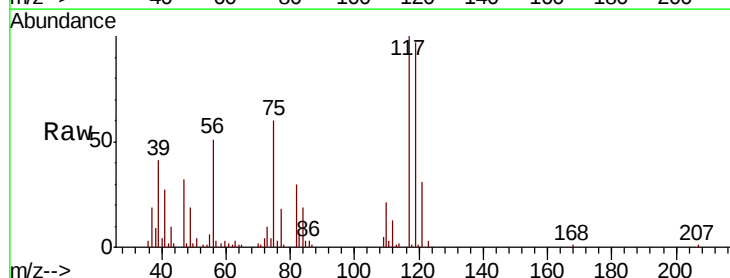
Instrument :
MSVOA_N
ClientSampled :

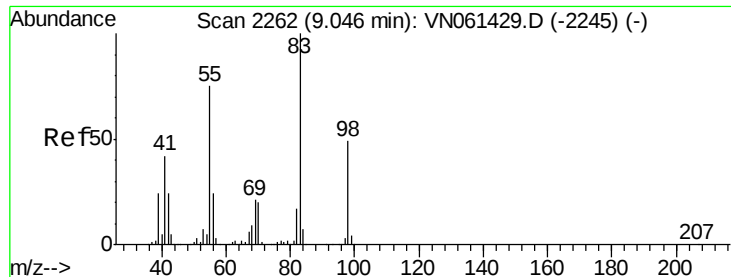
Tot Ion: 43 Resp: 67587
Ion Ratio Lower Upper
43 100
61 14.4 11.7 17.5
70 11.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 17.974 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 117 Resp: 78063
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6
121 30.5 24.7 37.1

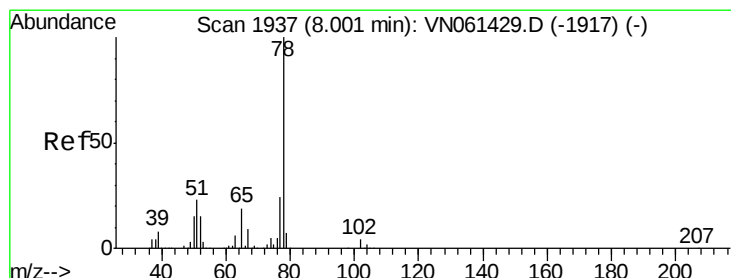
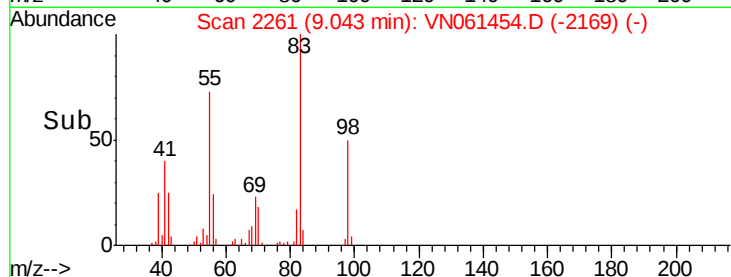
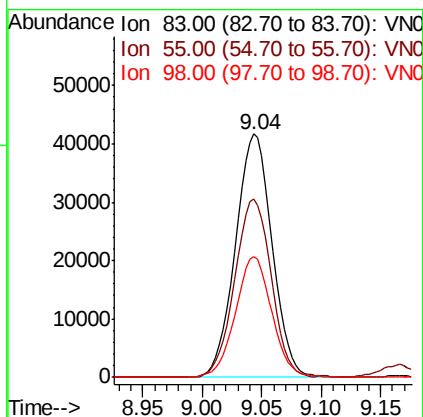
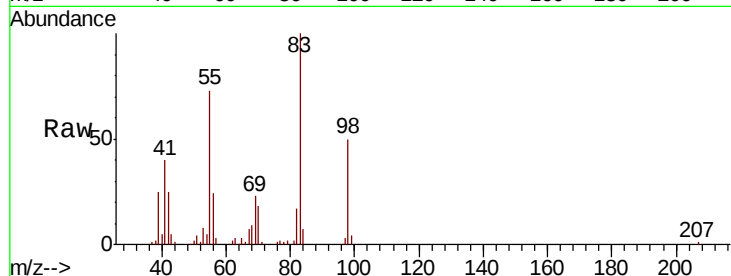




#39
Methvlcvclohexane
Concen: 15.440 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

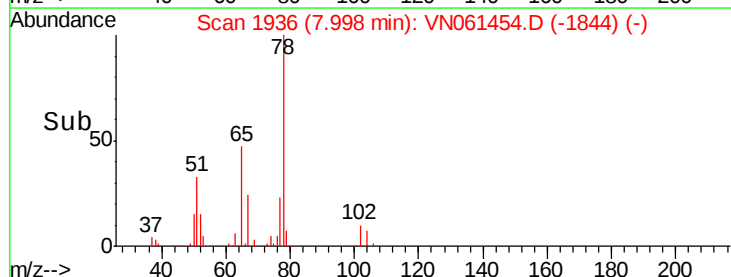
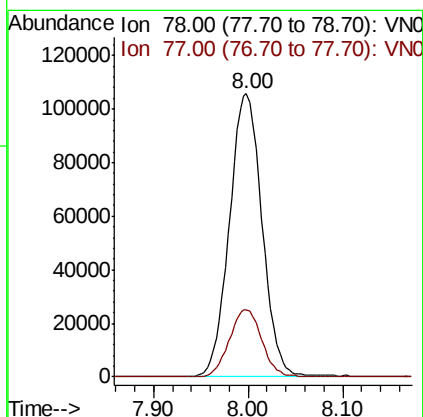
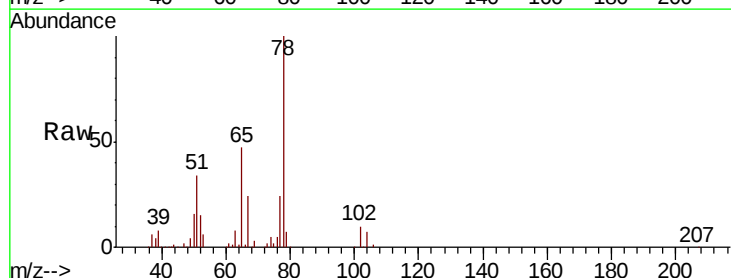
Instrument :
MSVOA_N
ClientSampled :

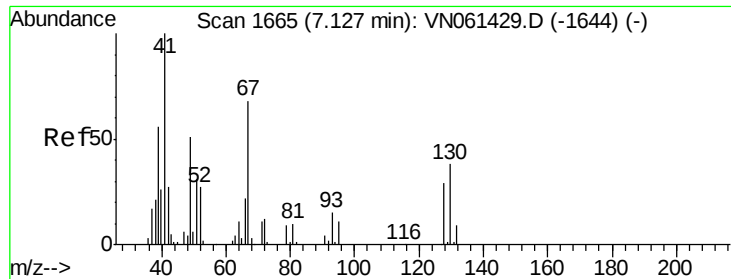
Tot Ion: 83 Resp: 88952
Ion Ratio Lower Upper
83 100
55 73.2 59.7 89.5
98 49.8 38.9 58.3



#40
Benzene
Concen: 17.857 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 78 Resp: 253831
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

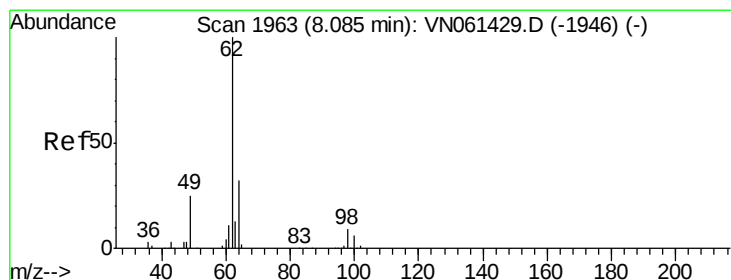
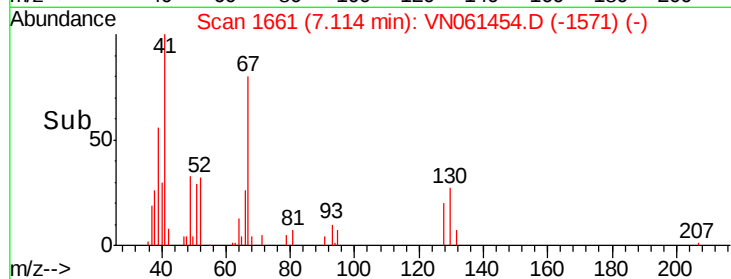
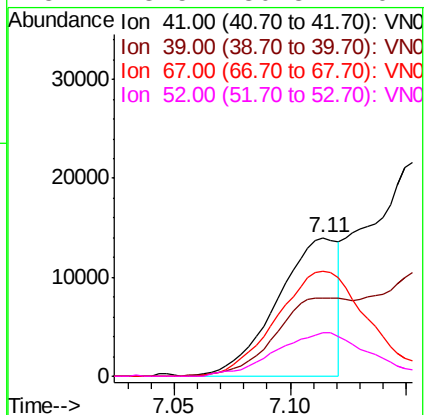
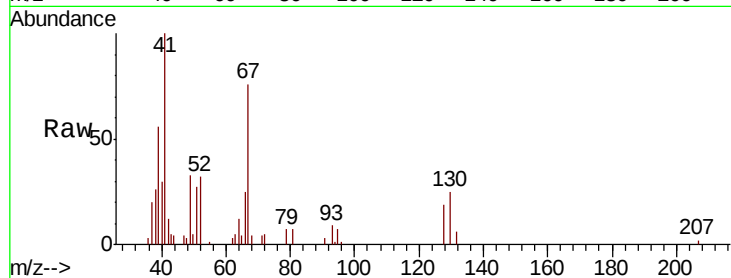




#41
Methacrylonitrile
Concen: 14.132 ug/l
RT: 7.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

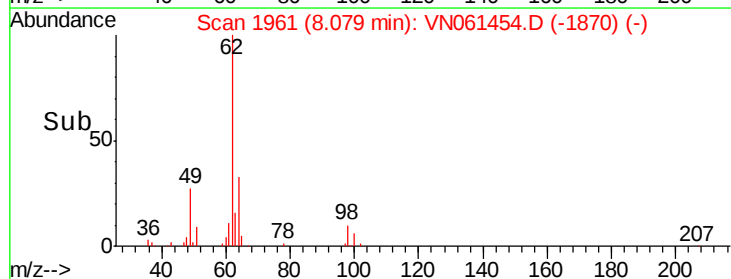
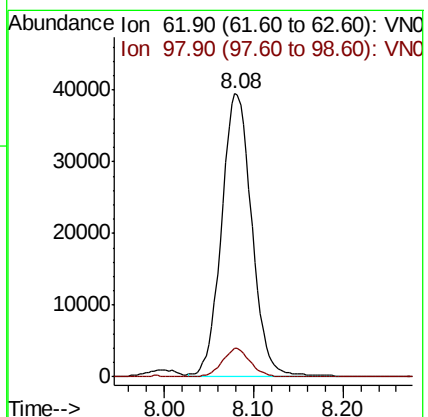
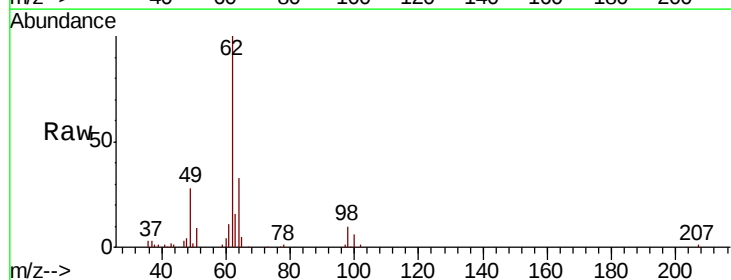
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 25532
Ion Ratio Lower Upper
41 100
39 69.7 48.3 72.5
67 115.2 74.2 111.4#
52 48.5 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 18.182 ug/l
RT: 8.08 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 62 Resp: 93114
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4



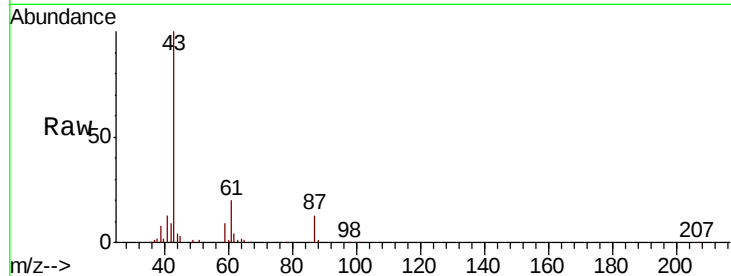


#43

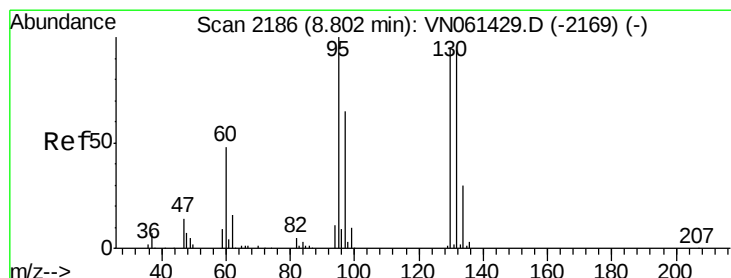
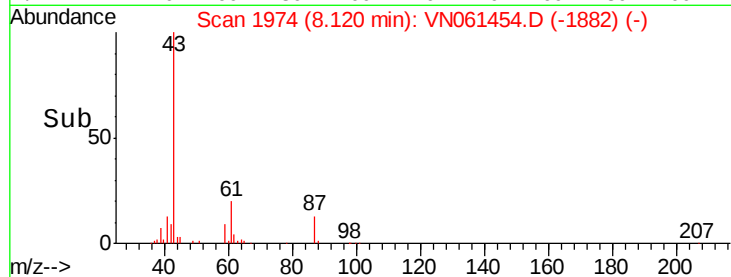
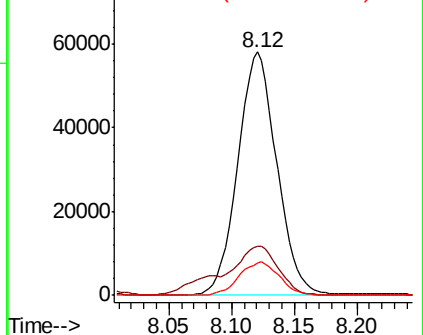
Isopropyl Acetate
 Concen: 16.657 ug/l
 RT: 8.12 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	Resp	124267
Ion Ratio	Lower	Upper	
43	100		
61	22.0	23.0	34.4#
87	14.4	11.6	17.4



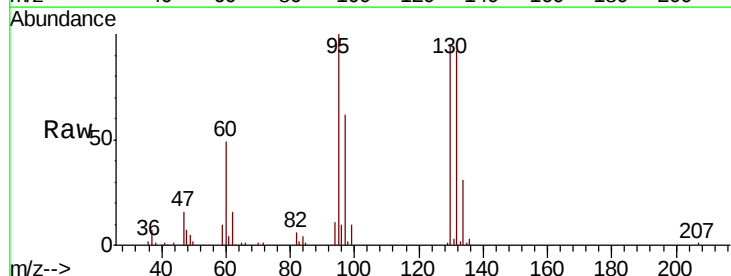
Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)
 Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)
 Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



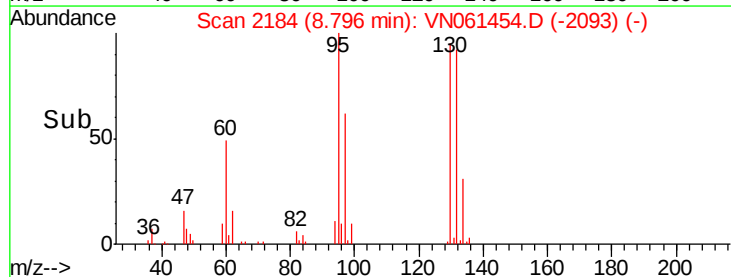
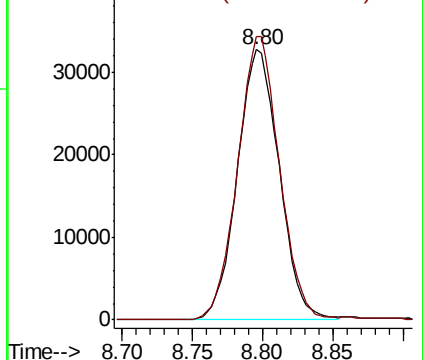
#44

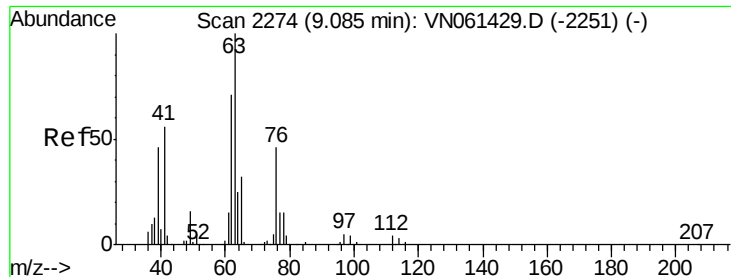
Trichloroethene
 Concen: 18.317 ug/l
 RT: 8.80 min Scan# 2184
 Delta R.T. -0.01 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	130	Resp	68221
Ion Ratio	Lower	Upper	
130	100		
95	104.7	0.0	209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)
 Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 18.086 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

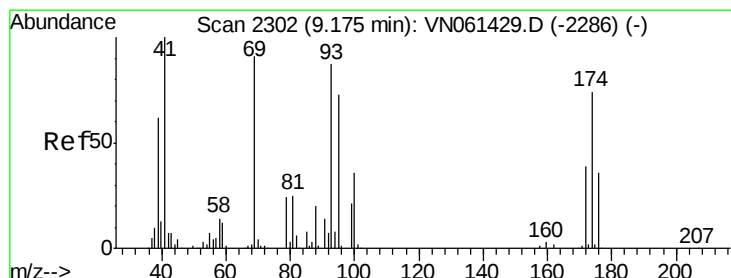
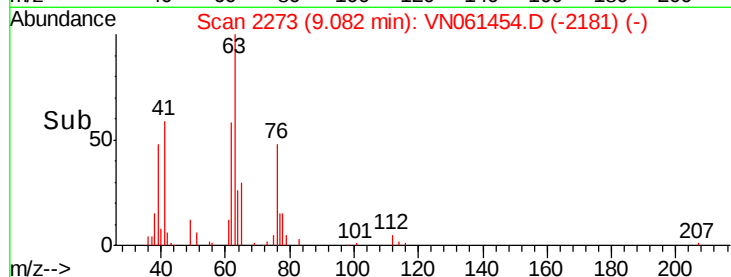
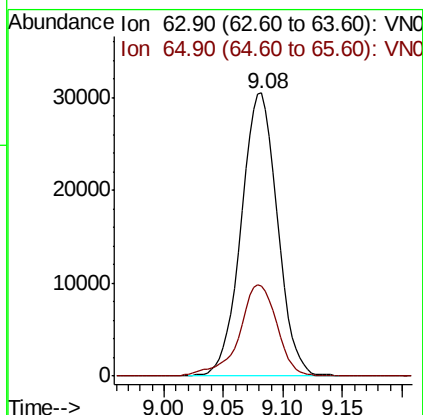
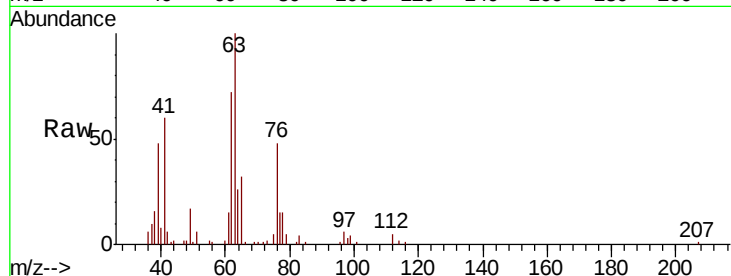
ClientSampleId :

Tot Ion: 63 Resp: 64347

Ion Ratio Lower Upper

63 100

65 31.8 25.2 37.8



#46

Dibromomethane

Concen: 18.275 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

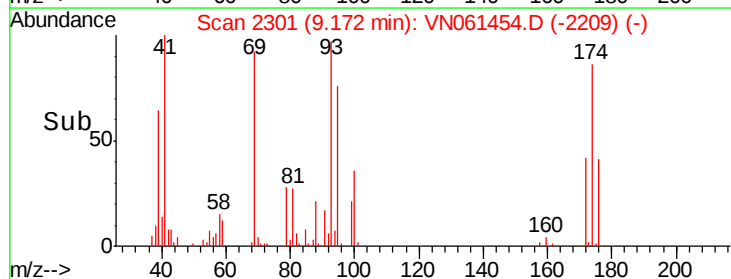
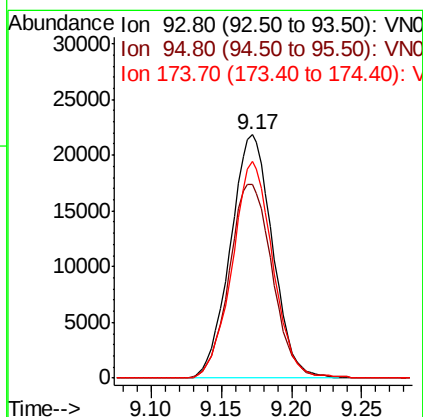
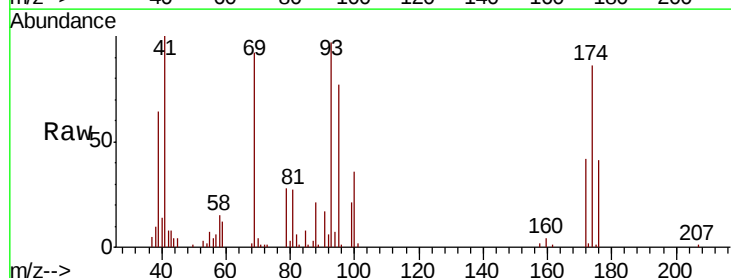
Tgt Ion: 93 Resp: 45580

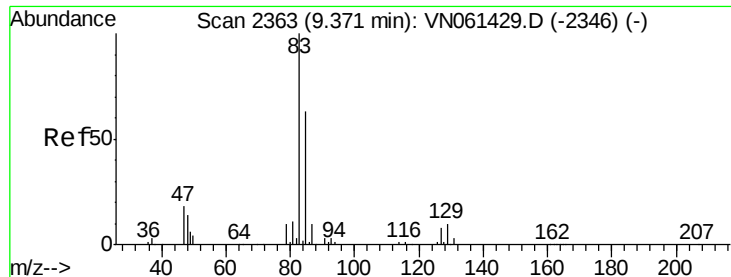
Ion Ratio Lower Upper

93 100

95 81.6 65.6 98.4

174 85.7 68.0 102.0





#47

Bromodichloromethane

Concen: 18.084 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampleId :

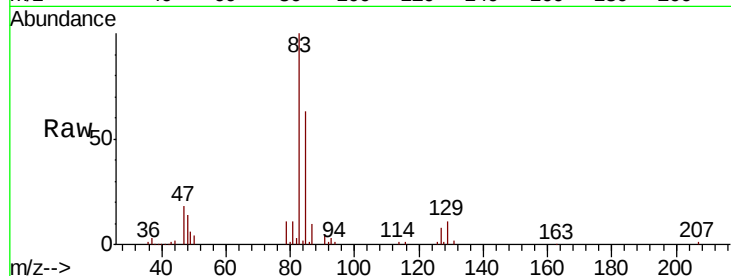
Tot Ion: 83 Resp: 95035

Ion Ratio Lower Upper

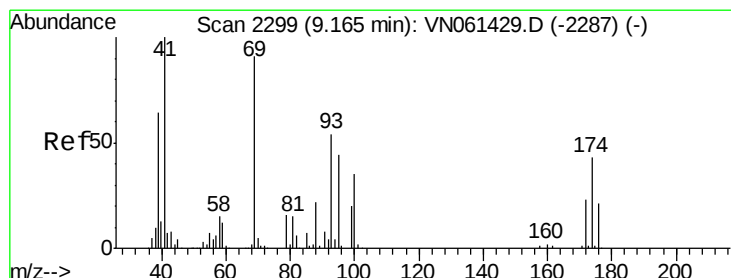
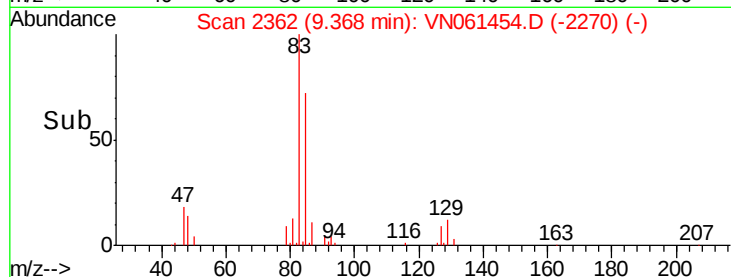
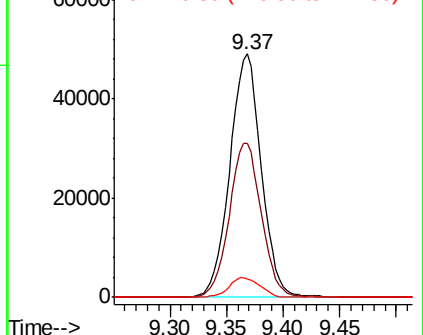
83 100

85 63.5 50.6 76.0

127 7.7 6.1 9.1



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



#48

Methyl methacrylate

Concen: 16.524 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

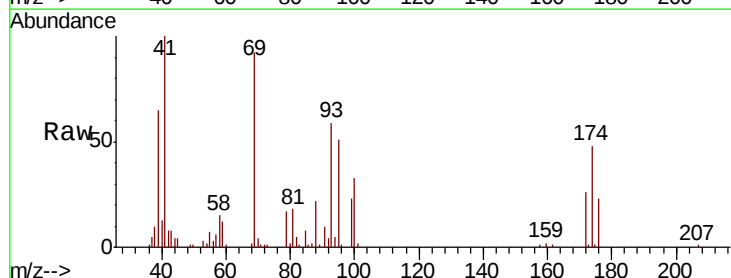
Tgt Ion: 41 Resp: 56949

Ion Ratio Lower Upper

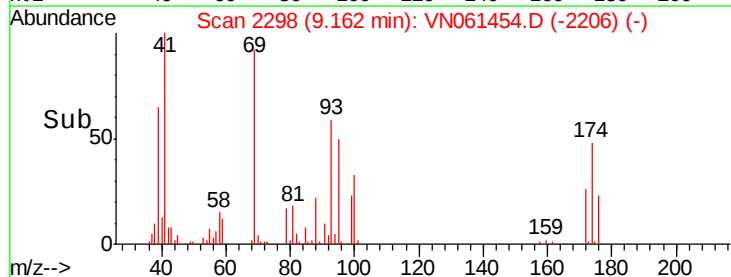
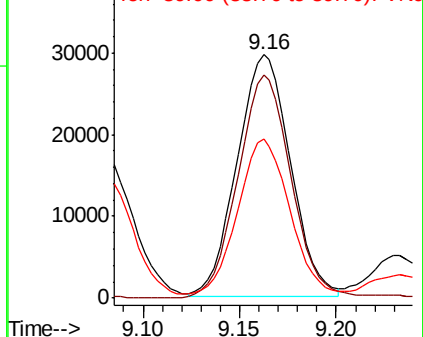
41 100

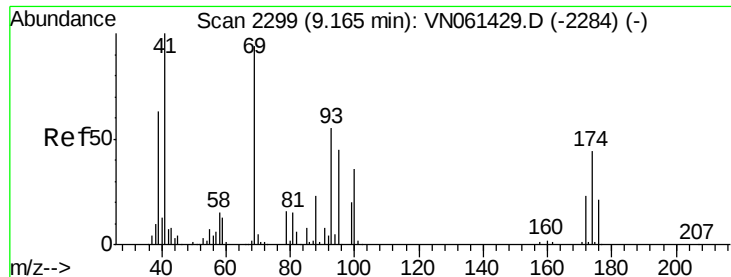
69 91.6 75.3 112.9

39 64.7 52.6 79.0



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

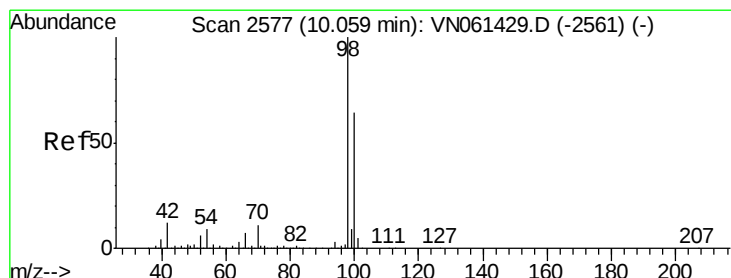
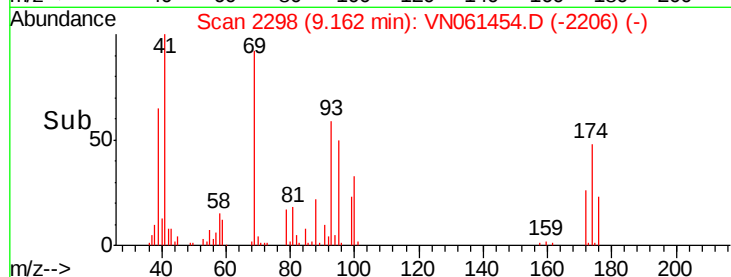
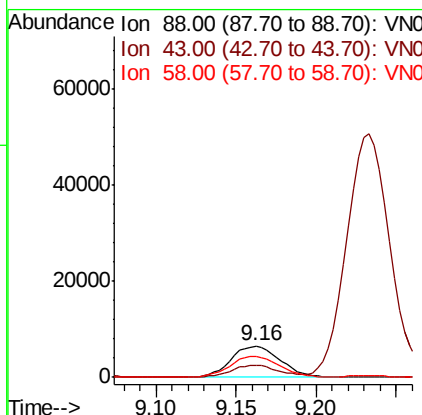
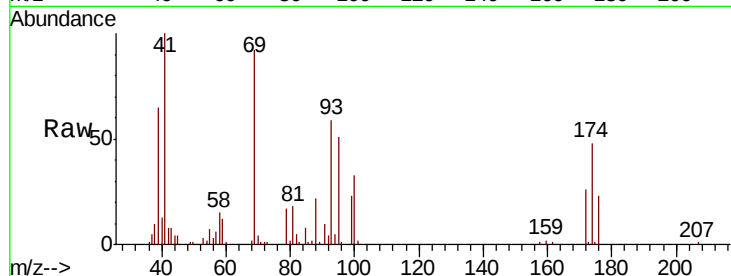




#49
 1,4-Dioxane
 Concen: 350.317 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

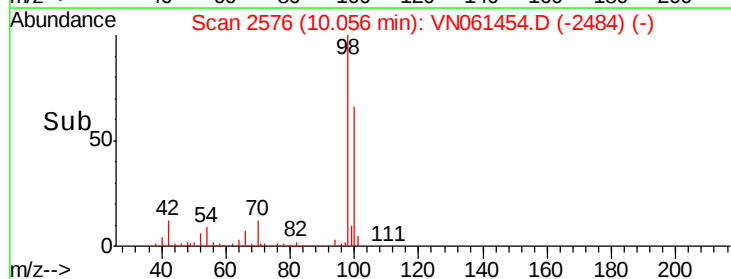
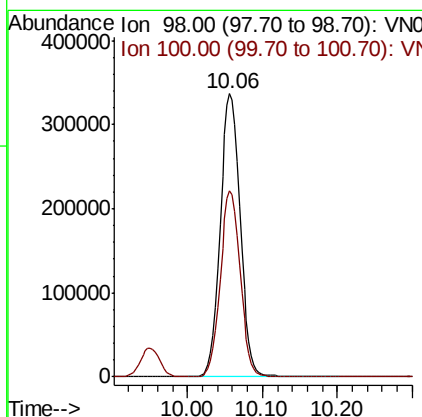
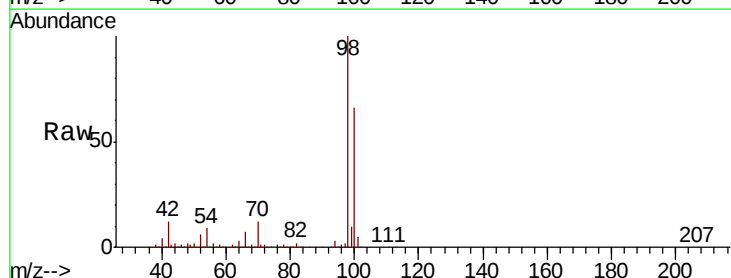
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 13587
 Ion Ratio Lower Upper
 88 100
 43 38.4 26.3 39.5
 58 68.2 54.1 81.1



#50
 Toluene-d8
 Concen: 50.627 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 98 Resp: 620538
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 85.966 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

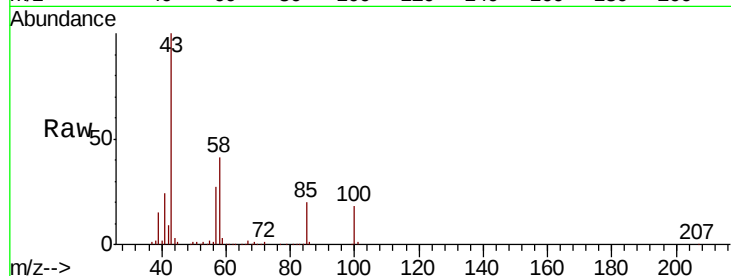
ClientSampled :

Tot Ion: 43 Resp: 349381

Ion Ratio Lower Upper

43 100

58 41.6 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)

Ion 58.00 (57.70 to 58.70): VN061429.D (-2524) (-)

200000

150000

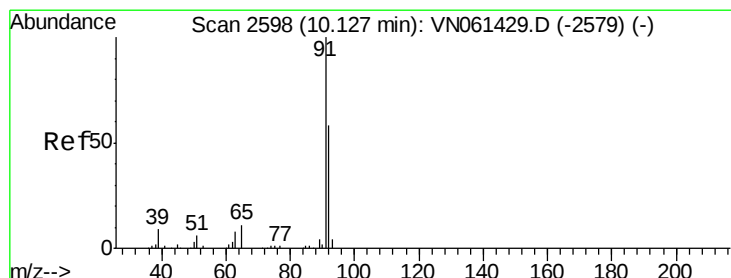
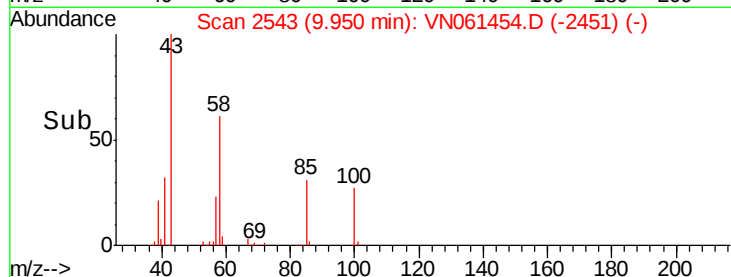
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.049 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061454.D

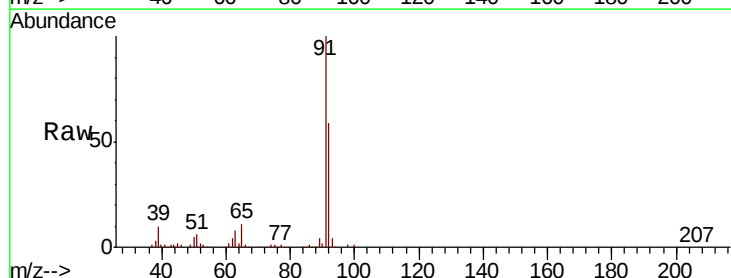
Acq: 19 May 2020 3:02

Tgt Ion: 92 Resp: 164713

Ion Ratio Lower Upper

92 100

91 171.8 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)

Ion 91.00 (90.70 to 91.70): VN061429.D (-2579) (-)

150000

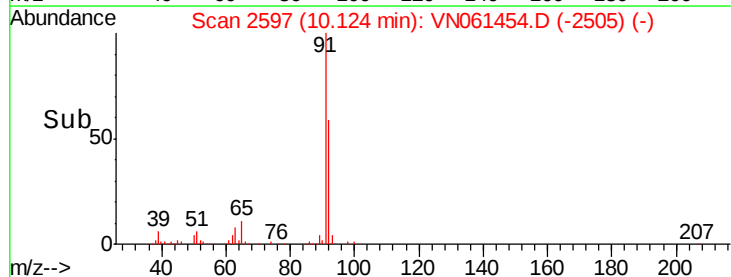
100000

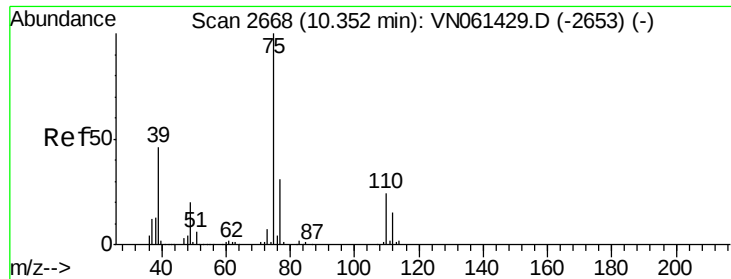
50000

0

10.10 10.12 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.404 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

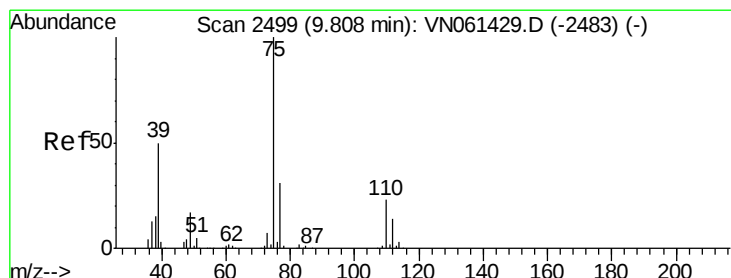
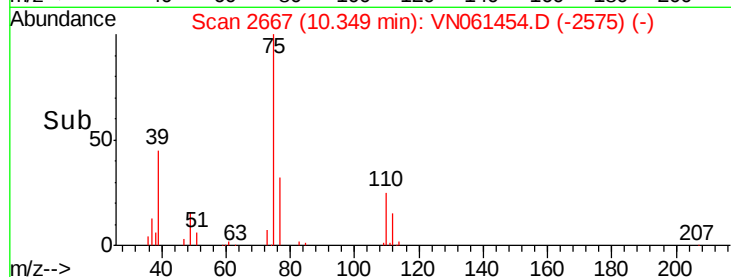
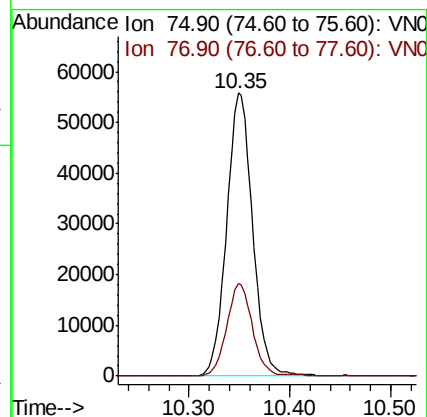
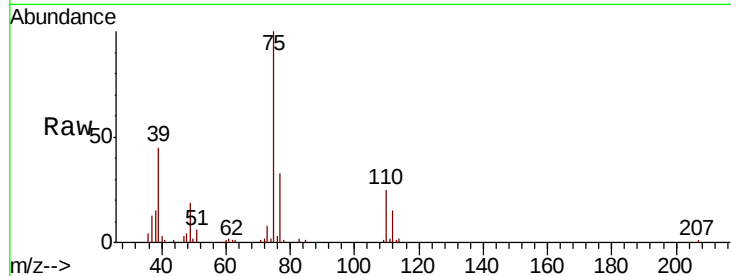
ClientSampled :

Tot Ion: 75 Resp: 100241

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 17.468 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

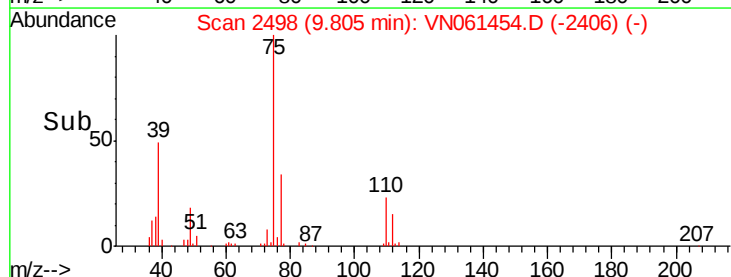
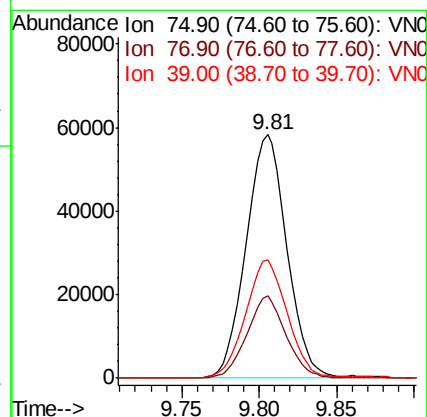
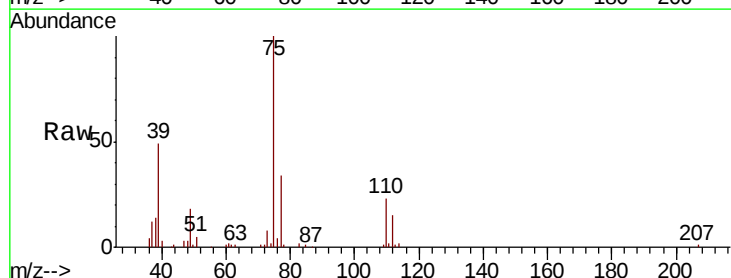
Tgt Ion: 75 Resp: 106952

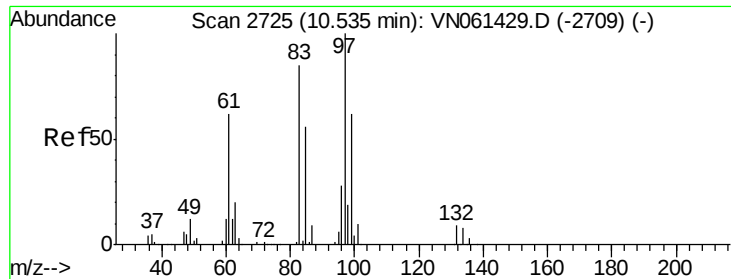
Ion Ratio Lower Upper

75 100

77 33.6 24.8 37.2

39 48.5 39.8 59.6

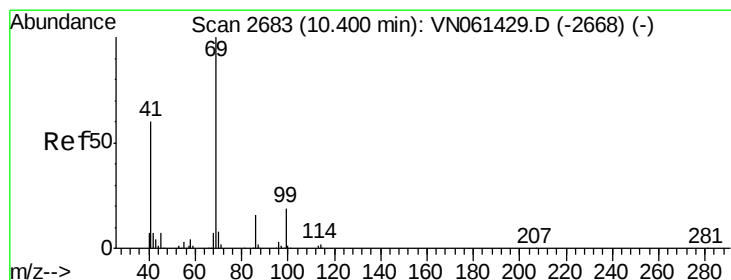
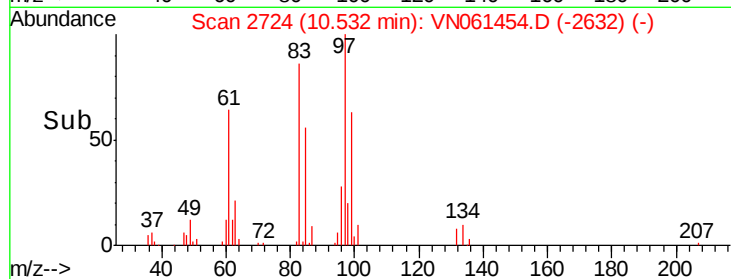
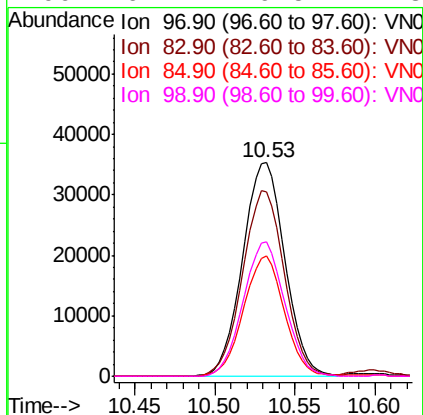
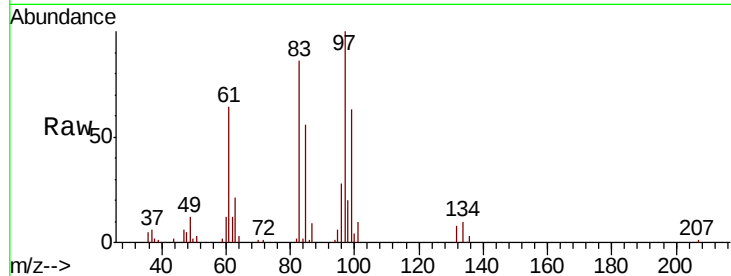




#55
 1,1,2-Trichloroethane
 Concen: 18.528 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

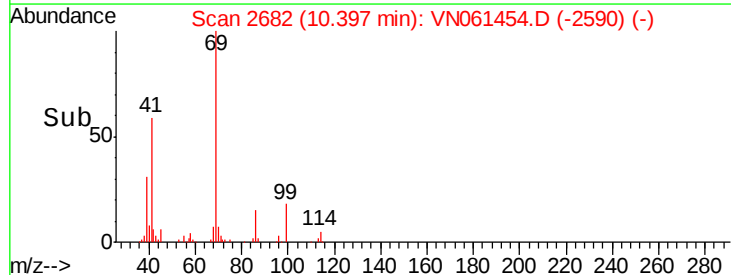
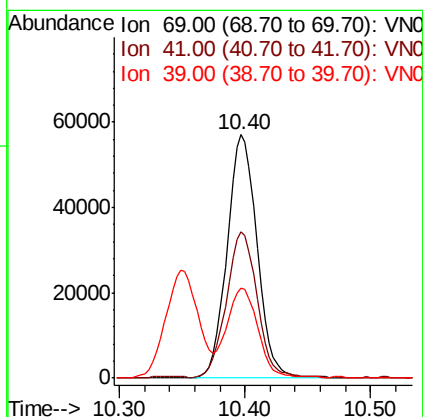
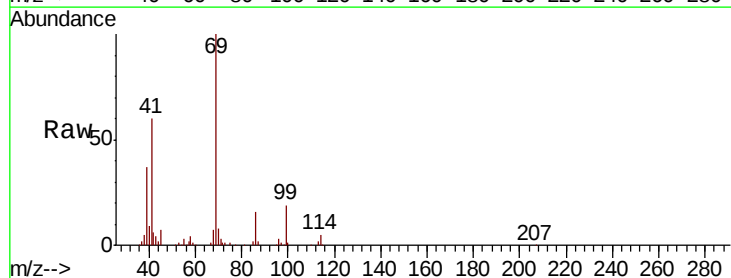
Instrument :
 MSVOA_N
 ClientSampleId :

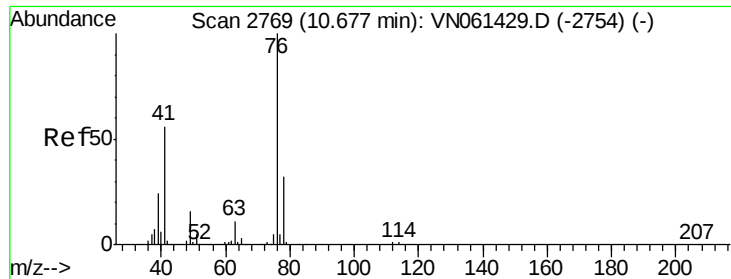
Tot Ion:	97	Resp:	63924
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.2	102.4
85	56.3	44.6	67.0
99	62.7	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 17.603 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion:	69	Resp:	94951
Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.3	72.5
39	38.3	30.2	45.2

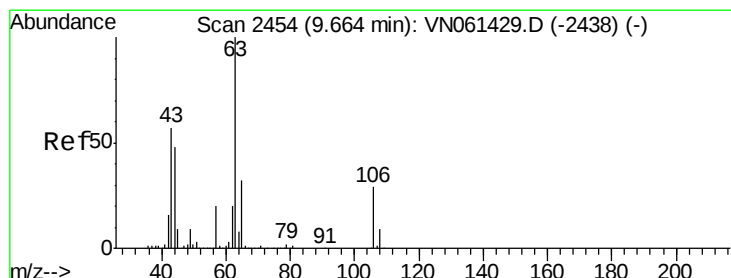
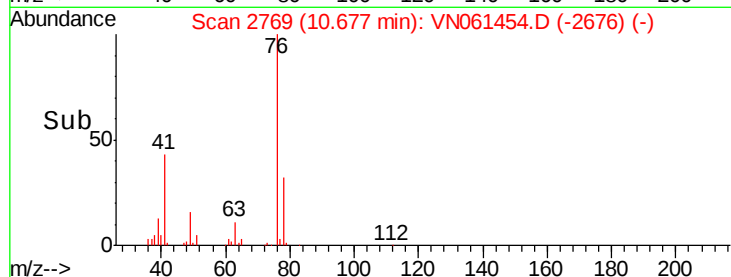
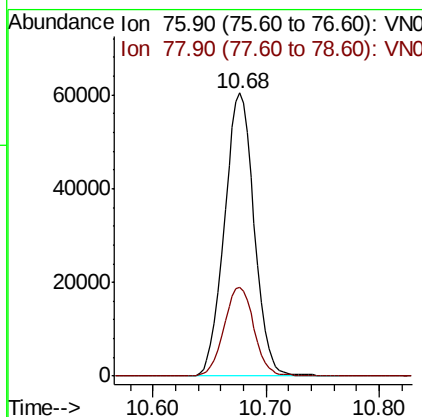
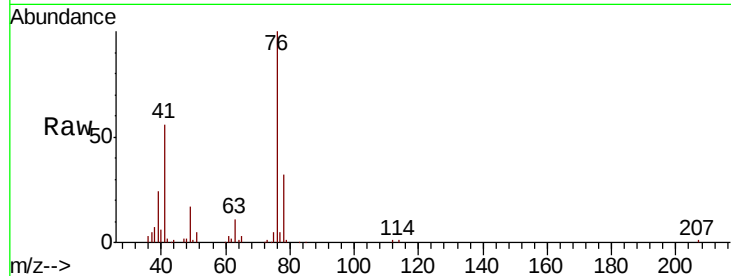




#57
 1,3-Dichloropropane
 Concen: 18.500 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

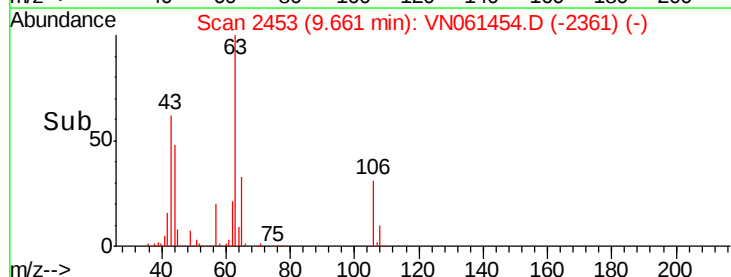
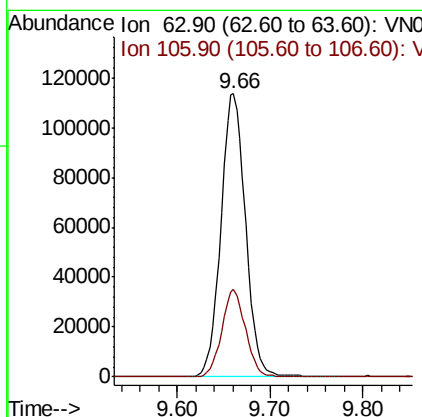
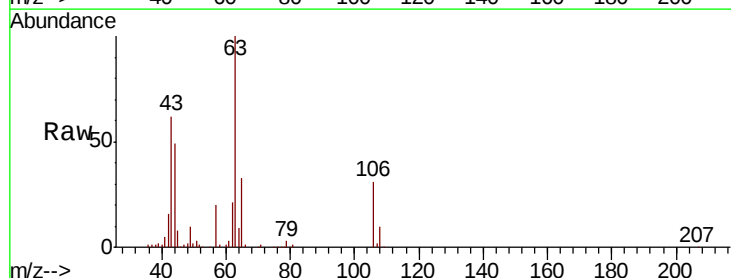
Instrument :
 MSVOA_N
 ClientSampled :

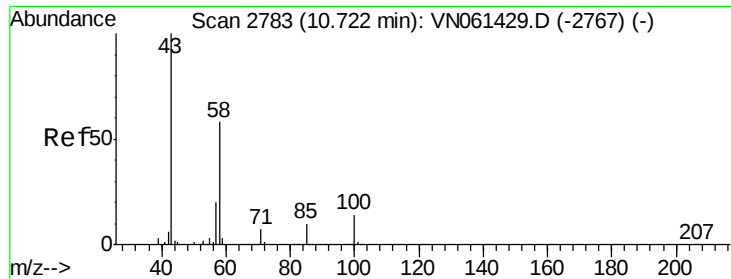
Tot Ion: 76 Resp: 110305
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.211 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 63 Resp: 208848
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.7 34.1

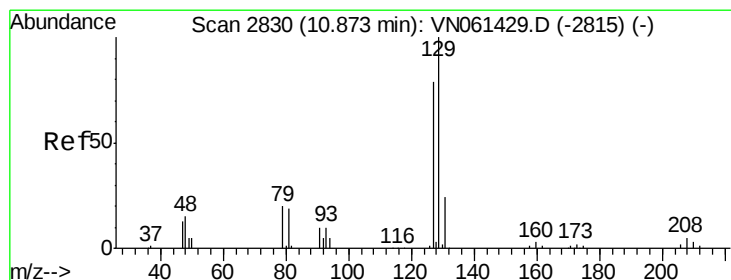
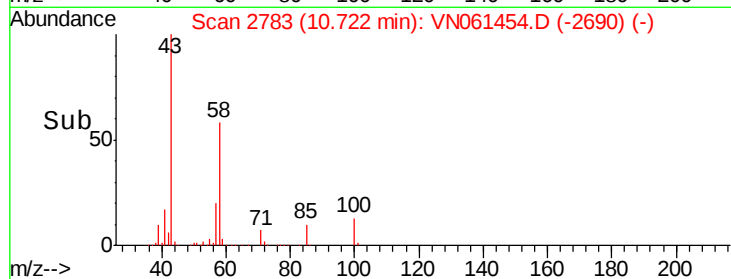
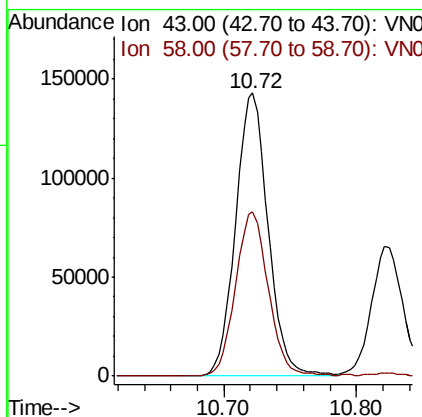
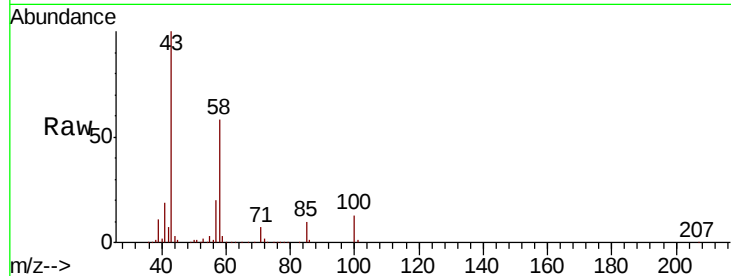




#59
2-Hexanone
Concen: 82.900 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

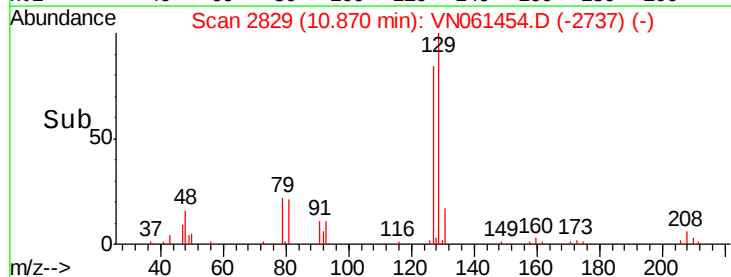
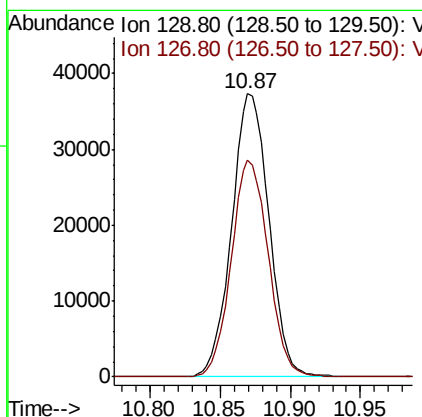
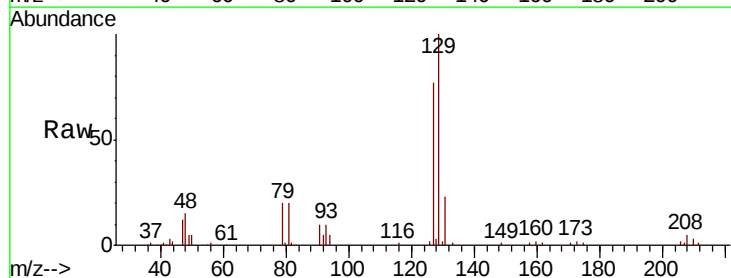
Instrument :
MSVOA_N
ClientSampleId :

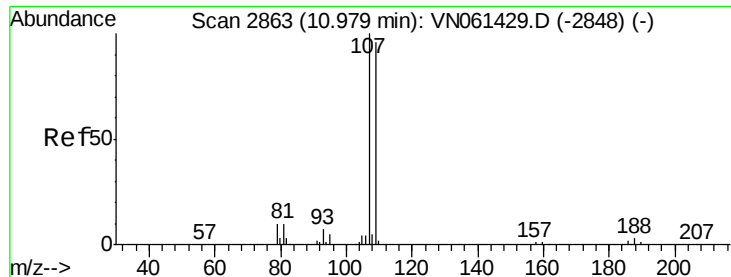
Tot Ion: 43 Resp: 243759
Ion Ratio Lower Upper
43 100
58 58.5 29.2 87.6



#60
Dibromochloromethane
Concen: 18.114 ug/l
RT: 10.87 min Scan# 2829
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 129 Resp: 69129
Ion Ratio Lower Upper
129 100
127 75.8 38.8 116.3

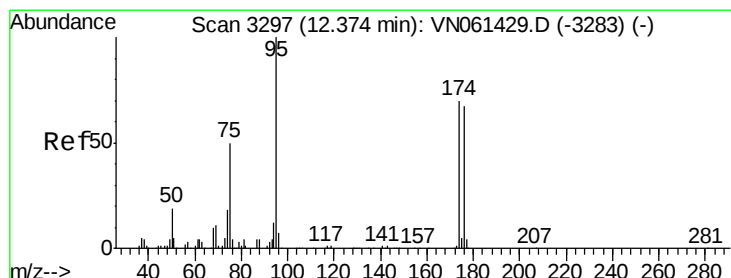
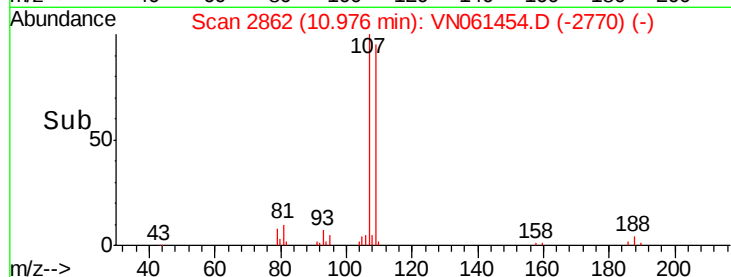
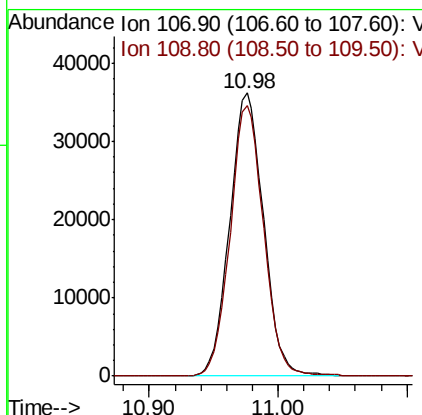
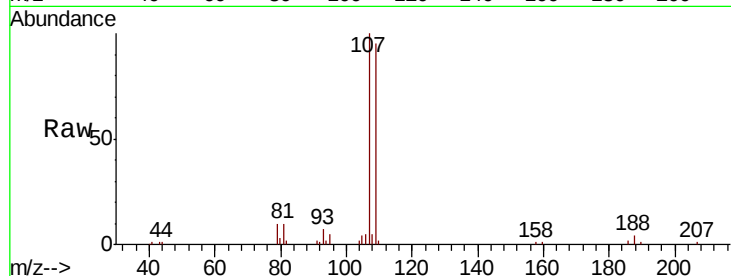




#61
 1,2-Dibromoethane
 Concen: 18.137 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

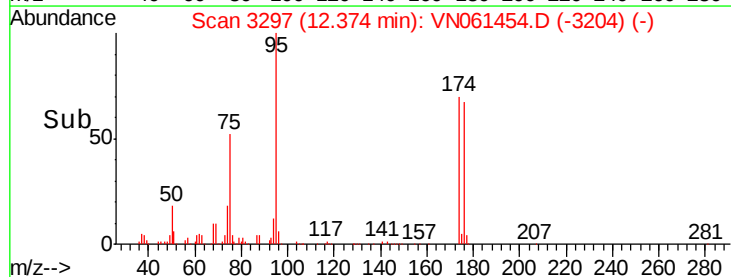
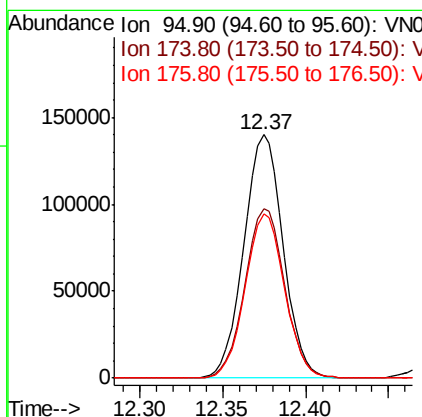
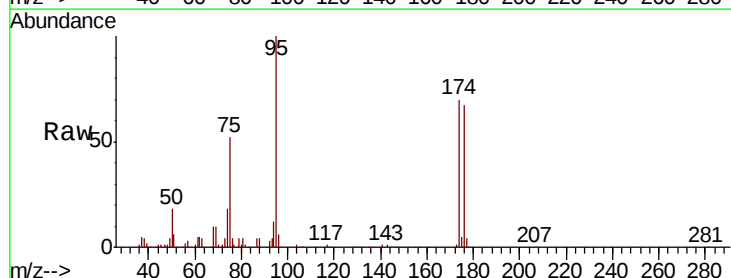
Instrument :
 MSVOA_N
 ClientSampleId :

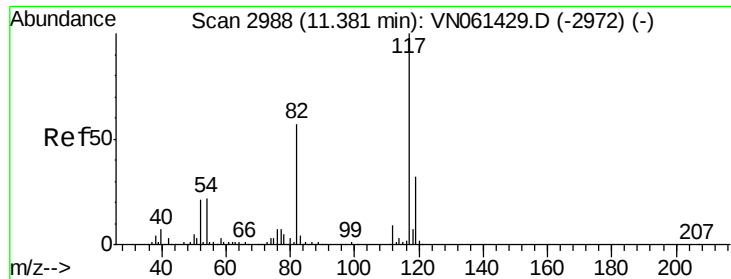
Tot Ion:107 Resp: 65792
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.309 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion: 95 Resp: 230380
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 141.2
 176 67.9 0.0 137.6

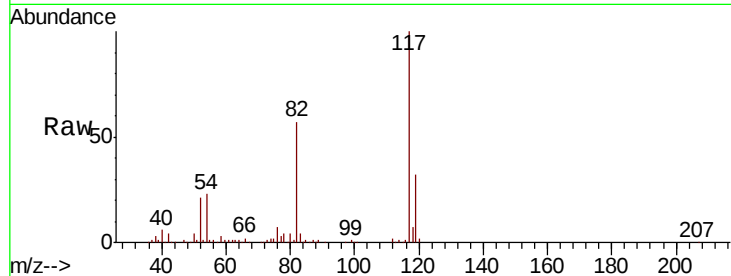




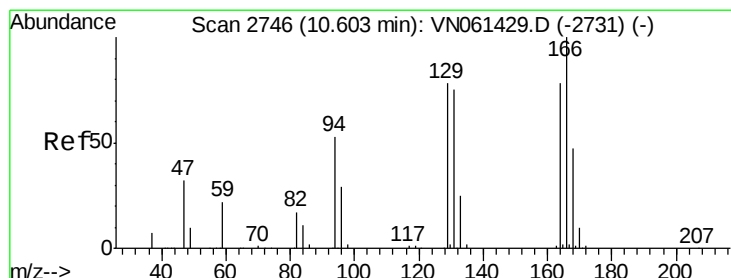
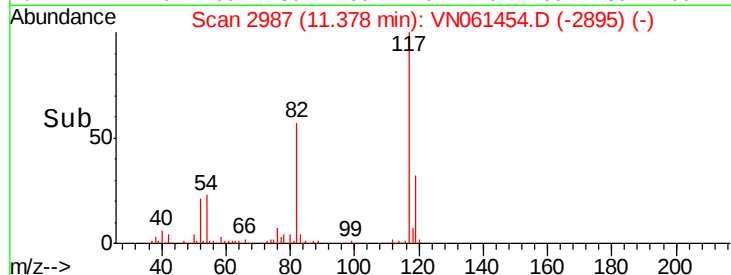
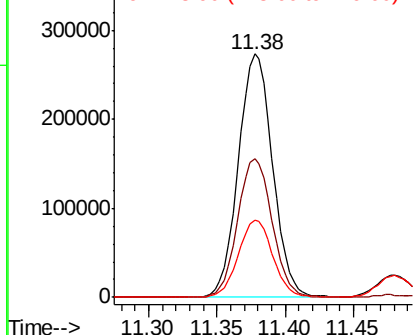
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.2	67.8
119	31.7	25.3	37.9



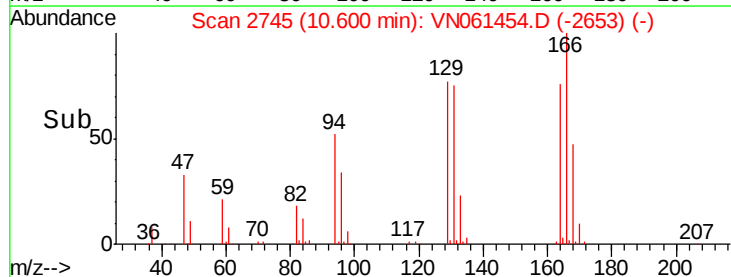
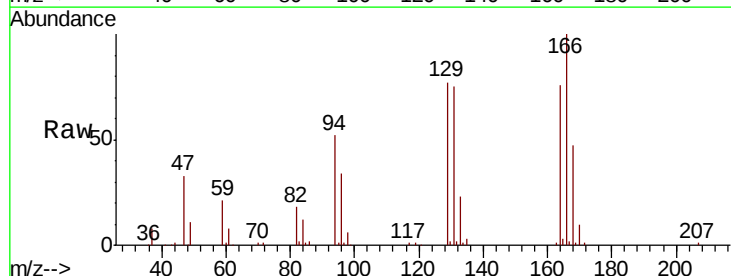
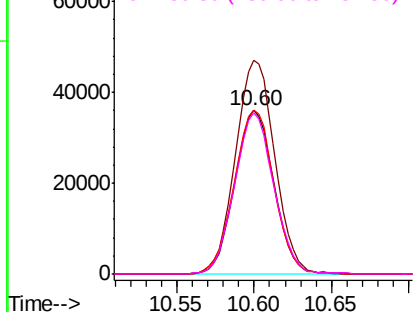
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

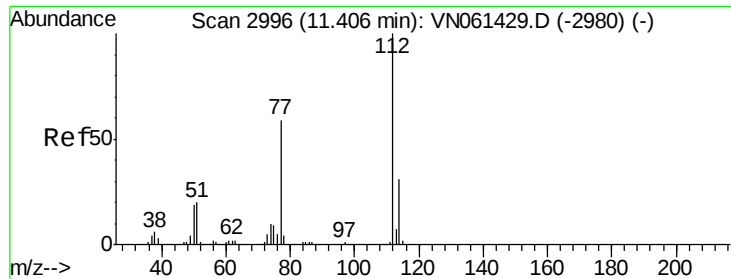


#64
Tetrachloroethene
Concen: 17.199 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	103.2	154.8
129	100.6	81.0	121.4
131	98.4	77.3	115.9

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





#65

Chlorobenzene

Concen: 18.008 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

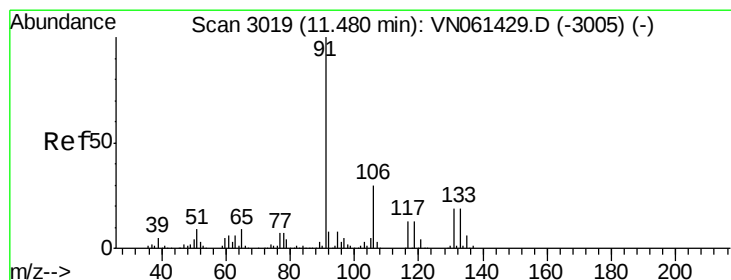
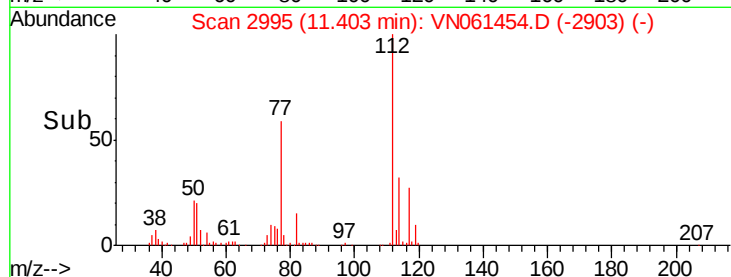
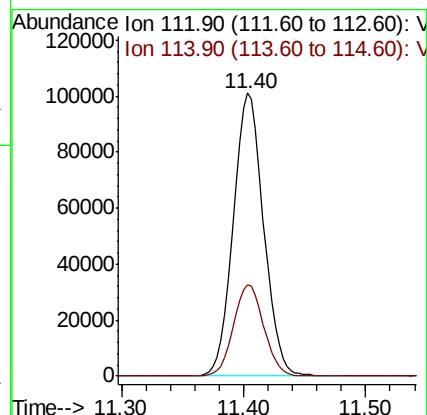
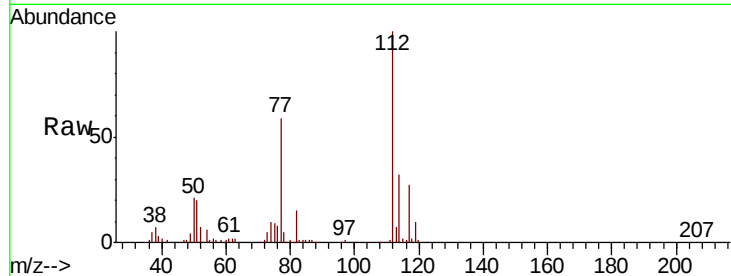
ClientSampleId :

Tot Ion:112 Resp: 175088

Ion Ratio Lower Upper

112 100

114 32.2 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 17.505 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

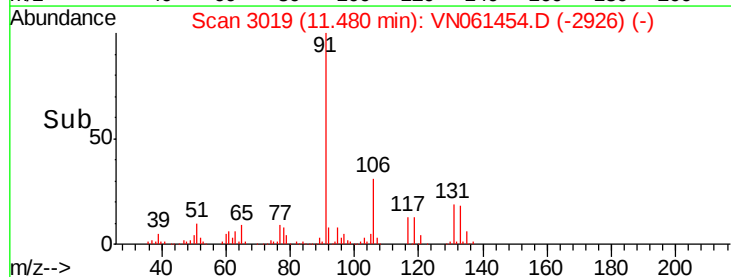
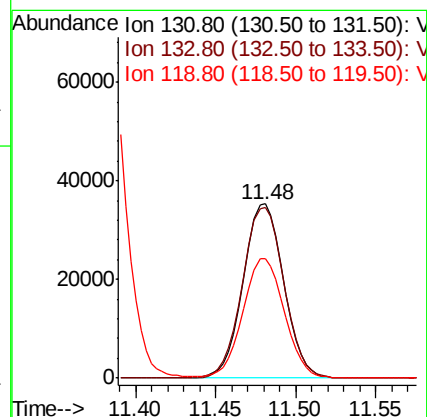
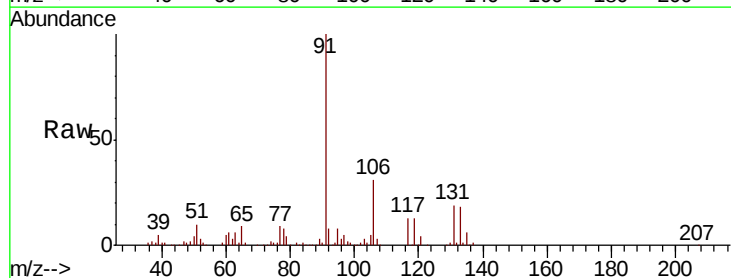
Tgt Ion:131 Resp: 61013

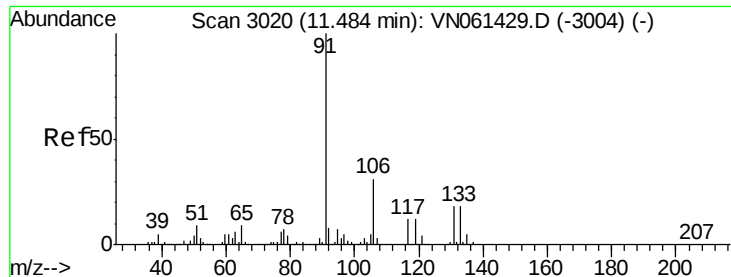
Ion Ratio Lower Upper

131 100

133 100.7 48.7 146.1

119 70.5 33.8 101.3

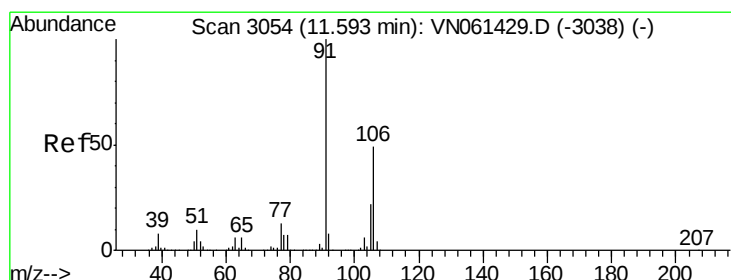
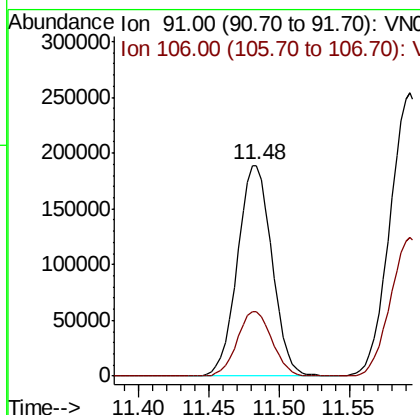
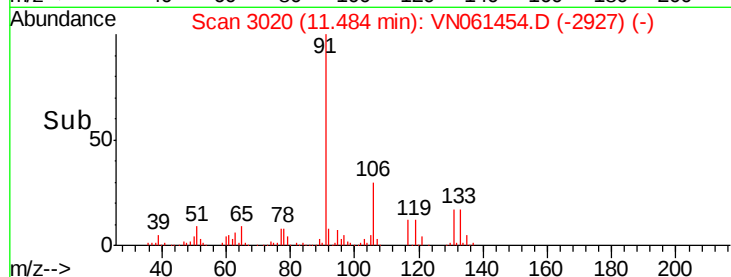
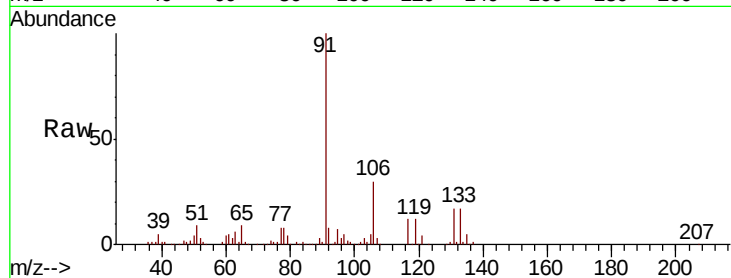




#67
Ethyl Benzene
Concen: 18.242 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

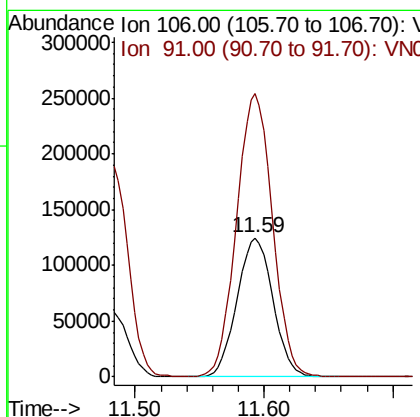
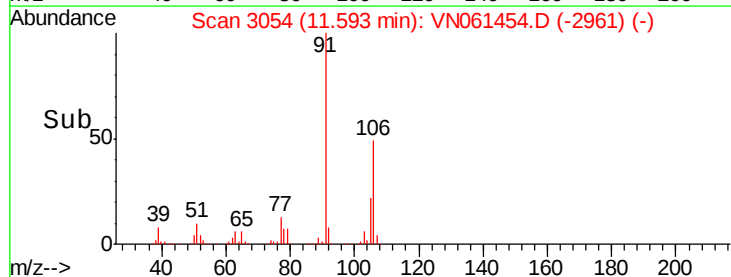
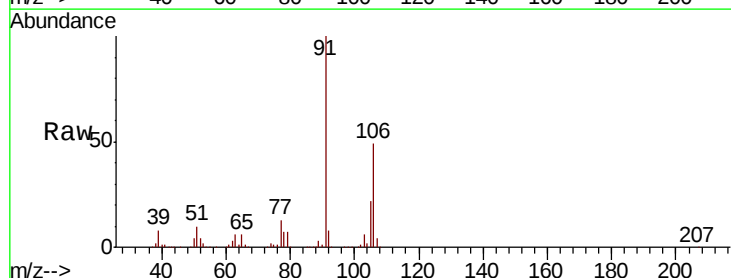
Instrument :
MSVOA_N
ClientSampled :

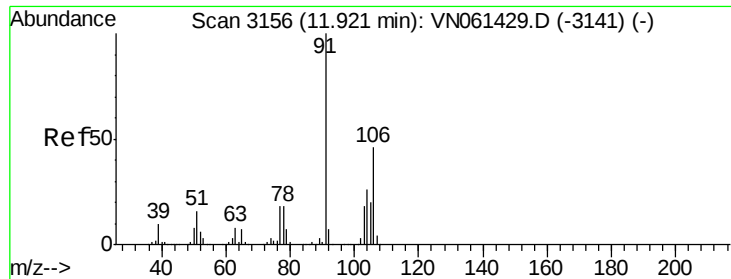
Tot Ion: 91 Resp: 323751
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 35.852 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion: 106 Resp: 241512
Ion Ratio Lower Upper
106 100
91 203.6 163.0 244.6

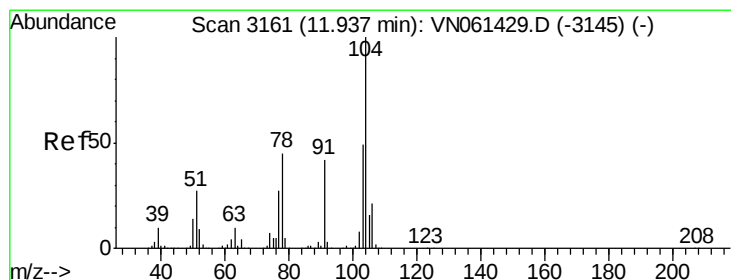
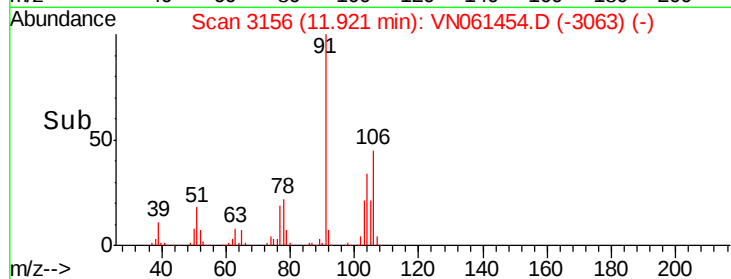
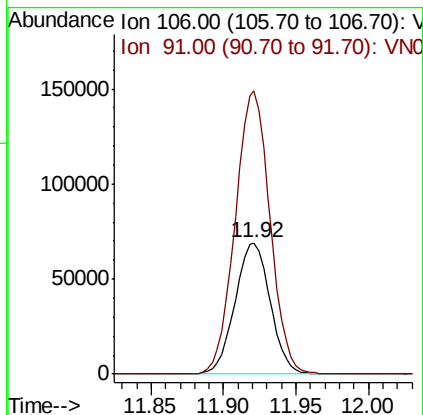
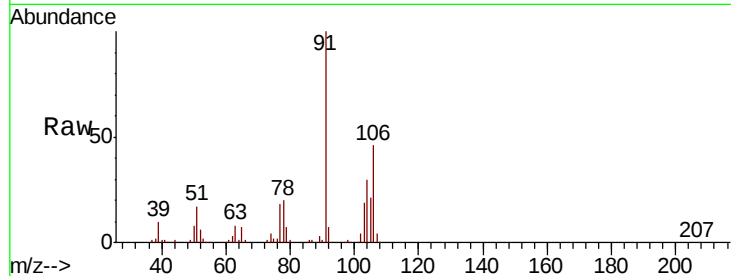




#69
o-Xylene
Concen: 17.873 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

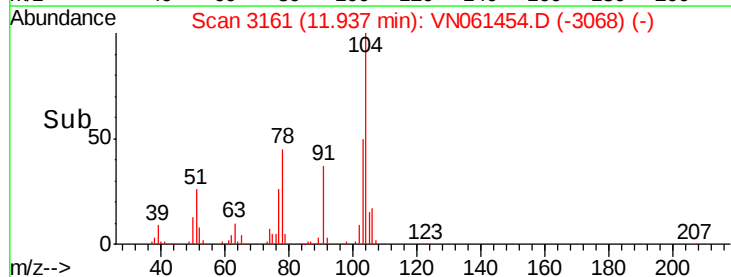
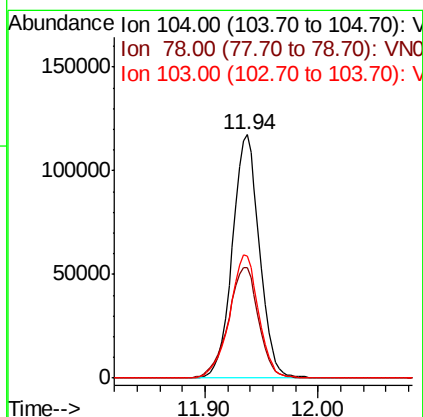
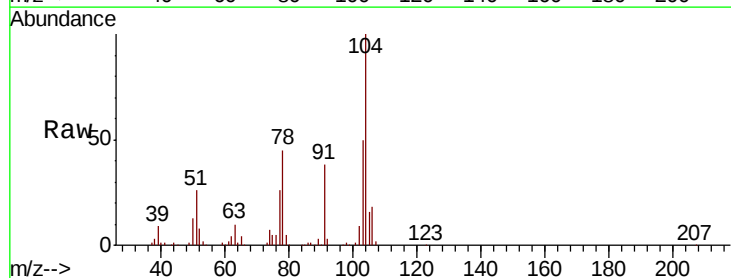
Instrument :
MSVOA_N
ClientSampled :

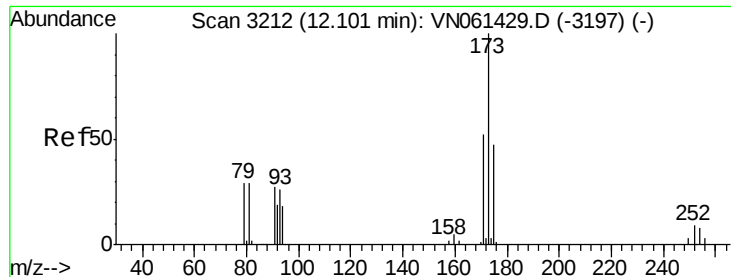
Tot Ion:106 Resp: 116512
Ion Ratio Lower Upper
106 100
91 213.4 107.9 323.7



#70
Styrene
Concen: 18.062 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion:104 Resp: 194979
Ion Ratio Lower Upper
104 100
78 51.0 40.7 61.1
103 54.2 43.0 64.4





#71

Bromoform

Concen: 16.675 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

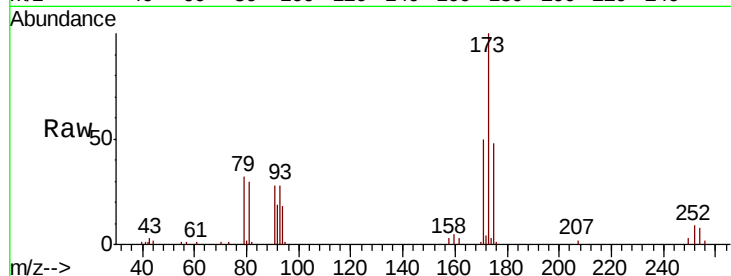
Tot Ion:173 Resp: 41393

Ion Ratio Lower Upper

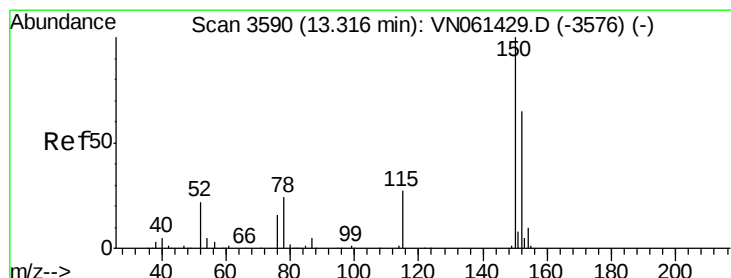
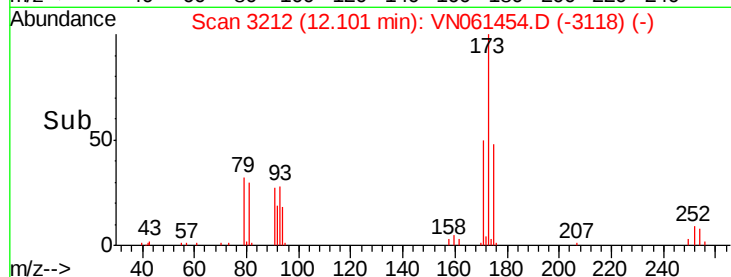
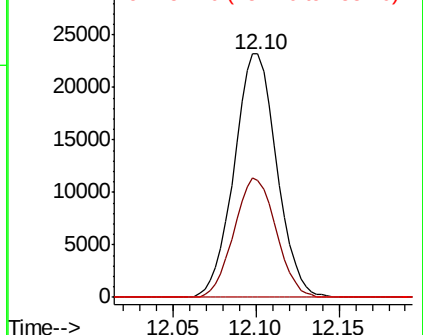
173 100

175 48.3 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

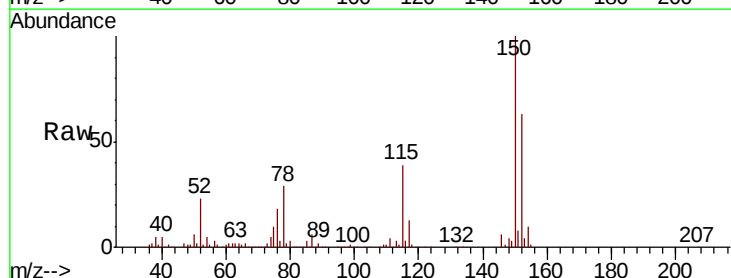
Tgt Ion:152 Resp: 213152

Ion Ratio Lower Upper

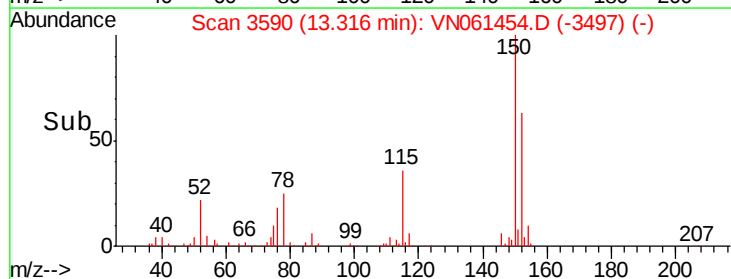
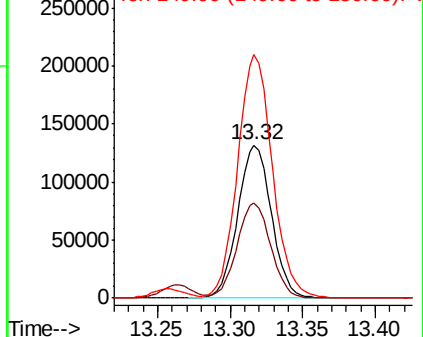
152 100

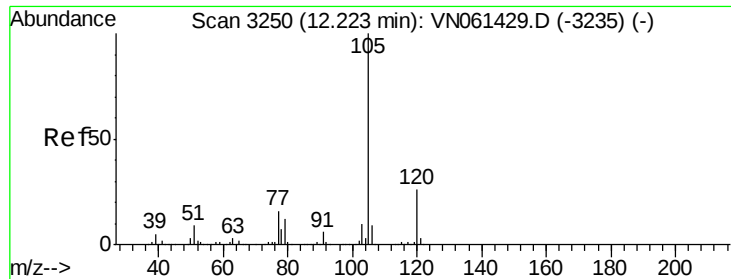
115 62.5 30.9 92.5

150 163.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.754 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

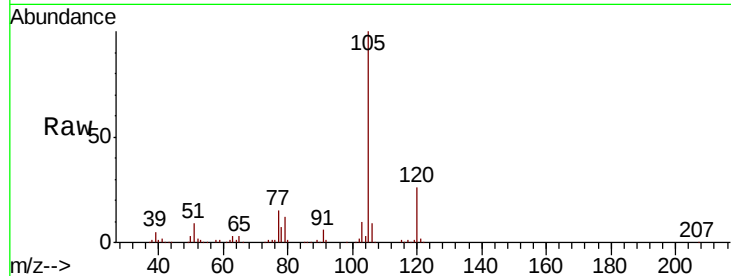
ClientSampleId :

Tot Ion:105 Resp: 303805

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

200000

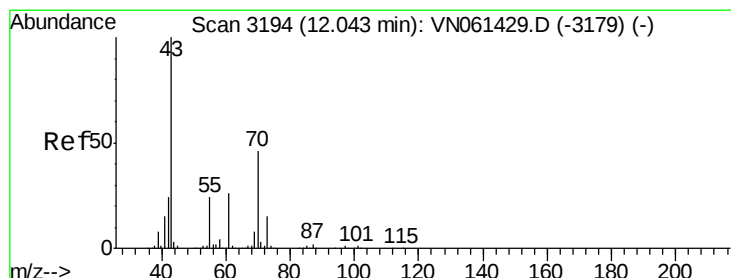
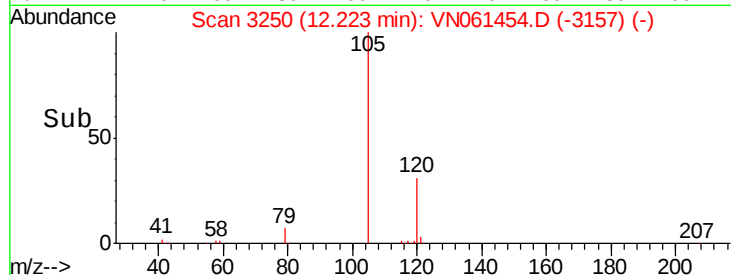
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 16.879 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Tgt Ion: 43 Resp: 105723

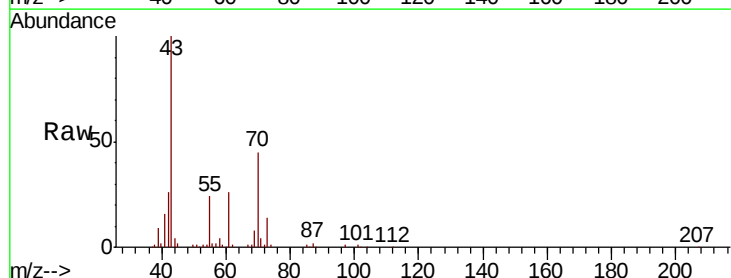
Ion Ratio Lower Upper

43 100

70 47.1 37.0 55.4

55 24.8 19.5 29.3

61 25.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.04

100000

80000

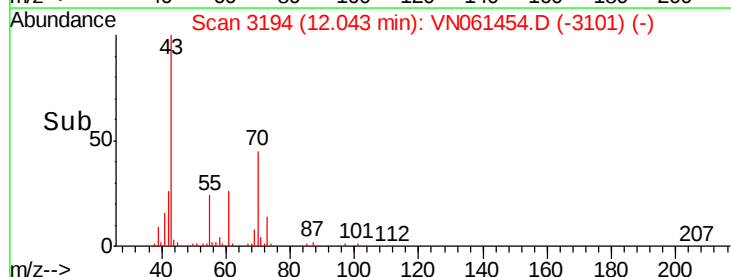
60000

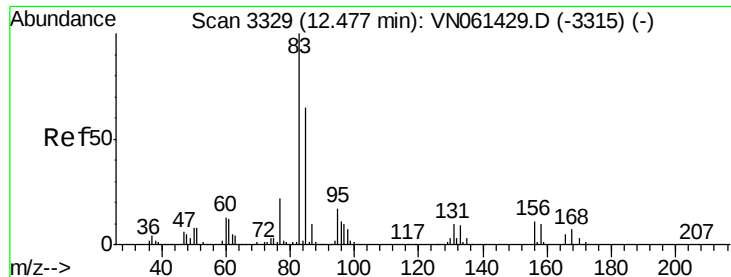
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.696 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

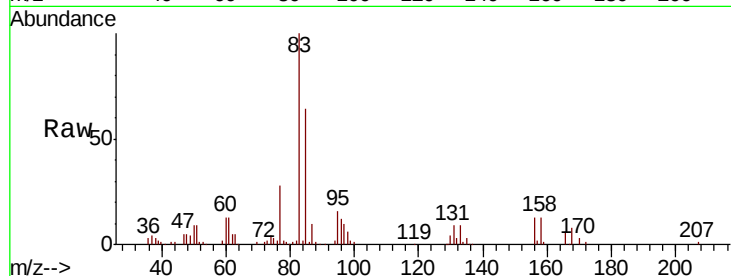
Tot Ion: 83 Resp: 83311

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

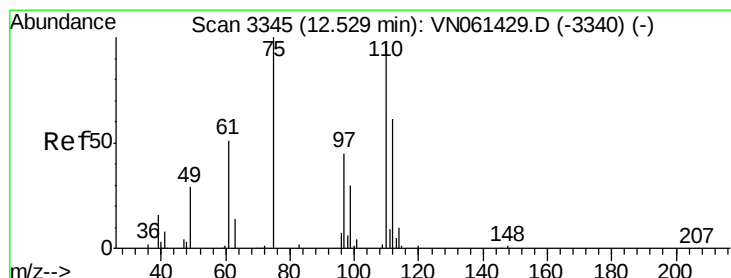
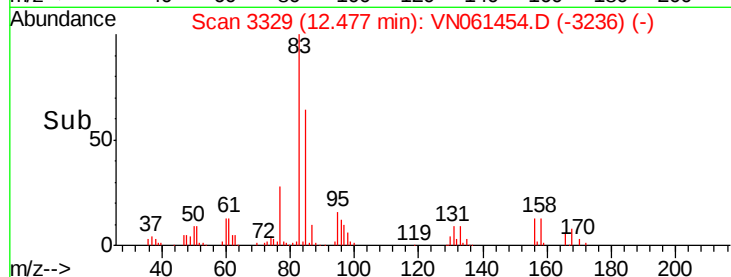
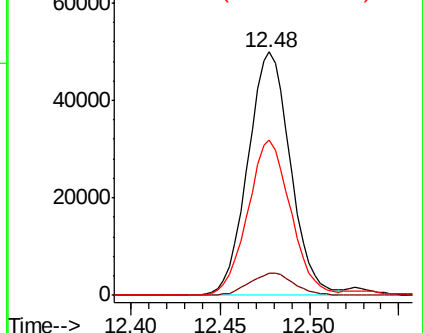
85 64.2 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061429.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 23.647 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061454.D

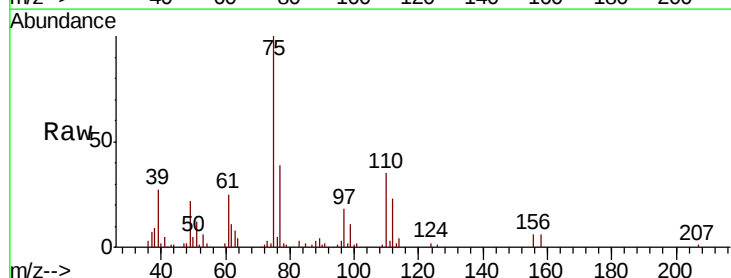
Acq: 19 May 2020 3:02

Tgt Ion: 75 Resp: 108155

Ion Ratio Lower Upper

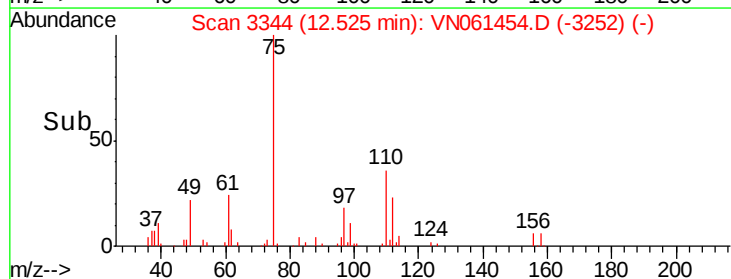
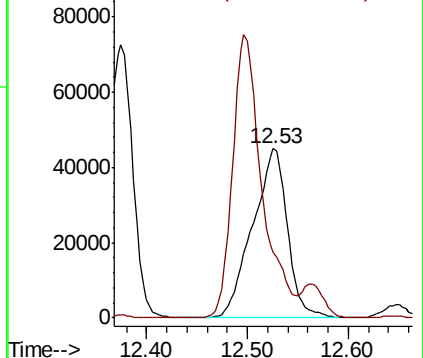
75 100

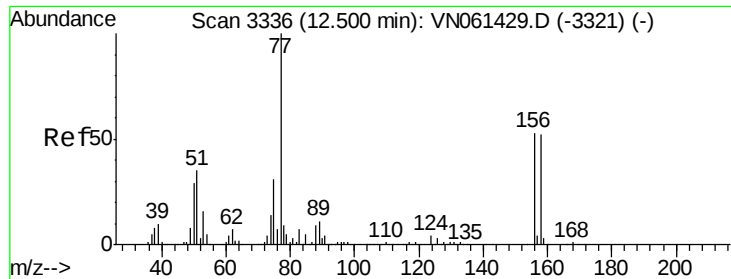
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-3340) (-)





#77

Bromobenzene

Concen: 18.527 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampled :

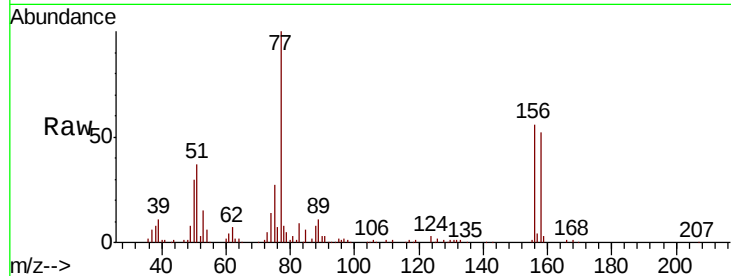
Tot Ion:156 Resp: 68801

Ion Ratio Lower Upper

156 100

77 221.7 112.3 336.9

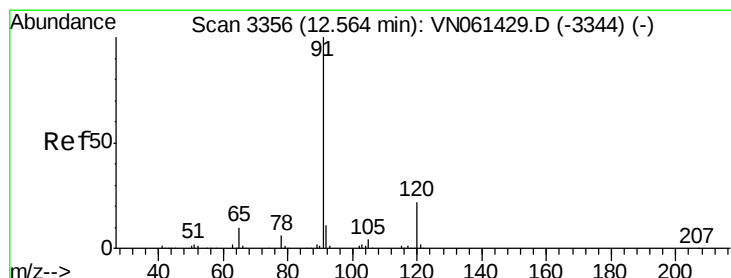
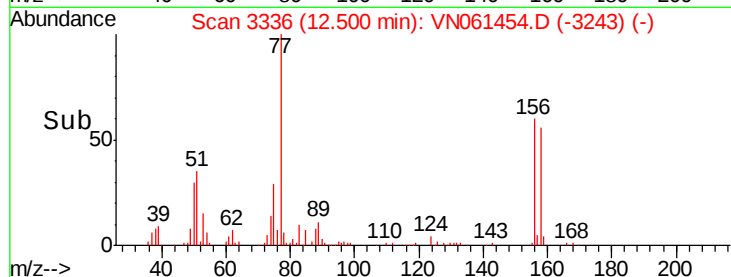
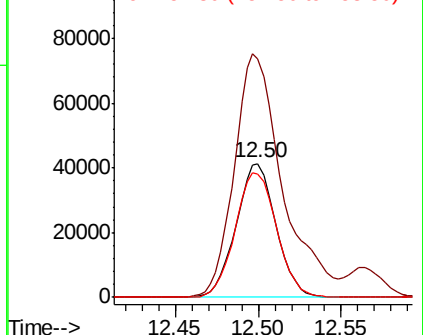
158 97.5 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.480 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061454.D

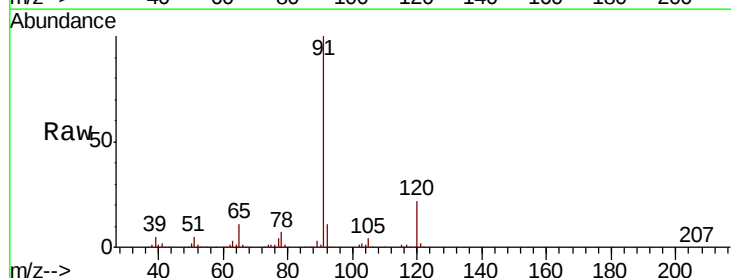
Acq: 19 May 2020 3:02

Tgt Ion: 91 Resp: 340803

Ion Ratio Lower Upper

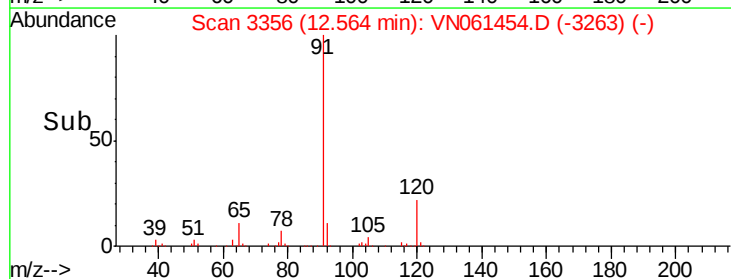
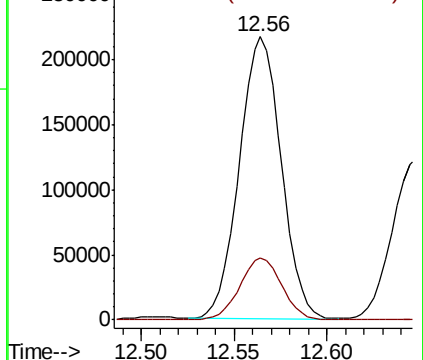
91 100

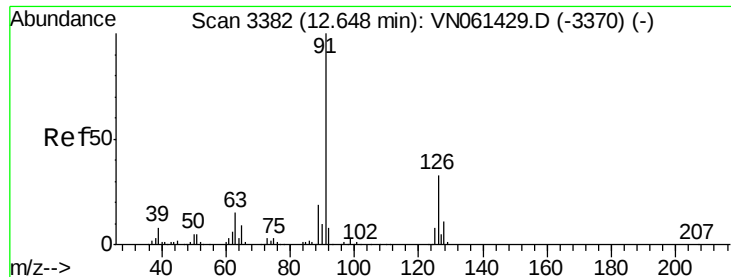
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.756 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

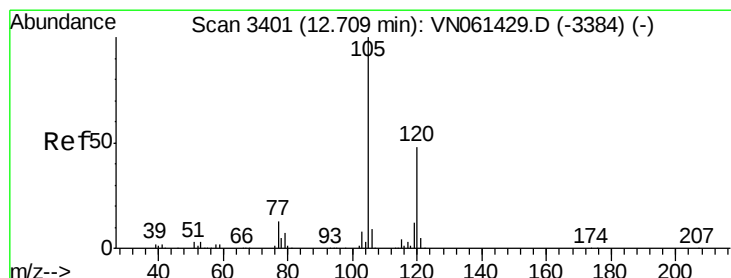
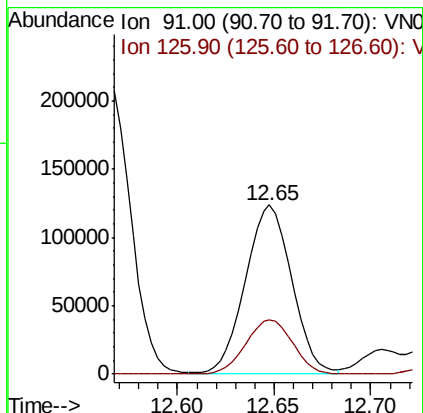
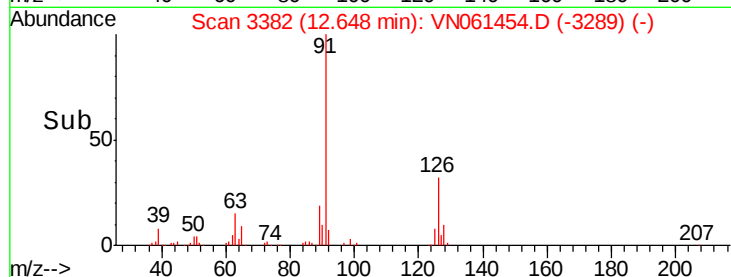
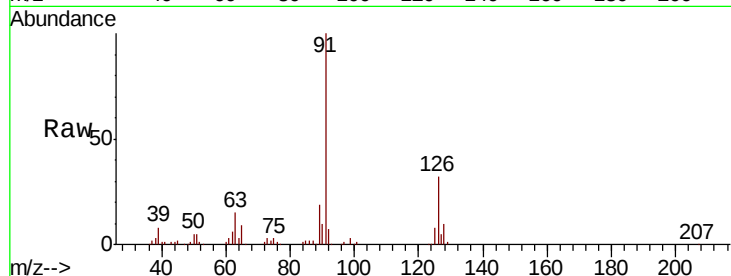
ClientSampleId :

Tot Ion: 91 Resp: 204625

Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 17.536 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061454.D

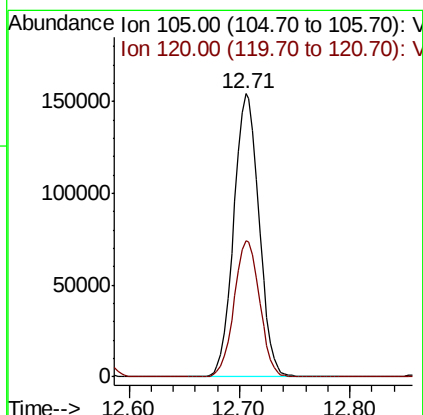
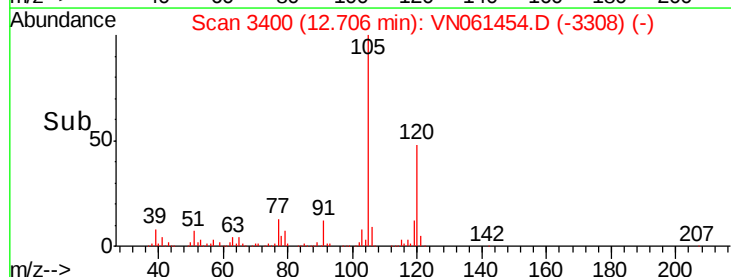
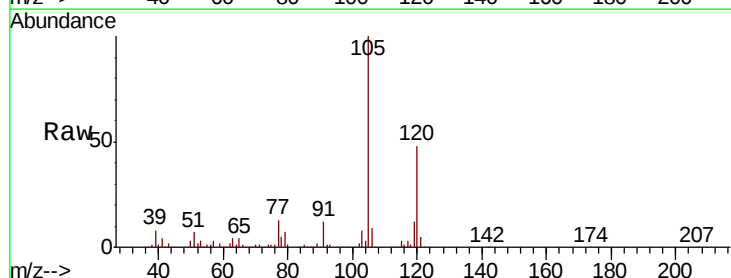
Acq: 19 May 2020 3:02

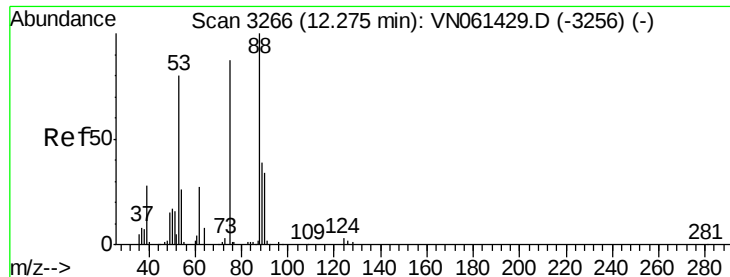
Tgt Ion:105 Resp: 245699

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.719 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

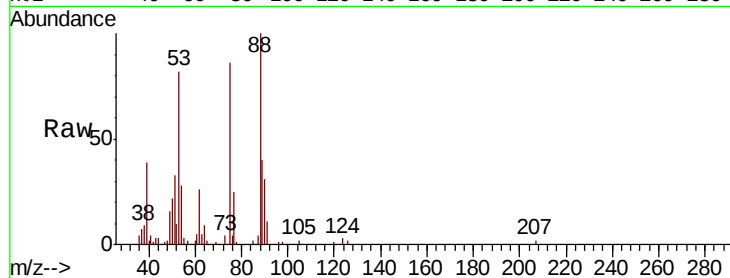
Tot Ion: 75 Resp: 25378

Ion Ratio Lower Upper

75 100

53 100.1 75.2 112.8

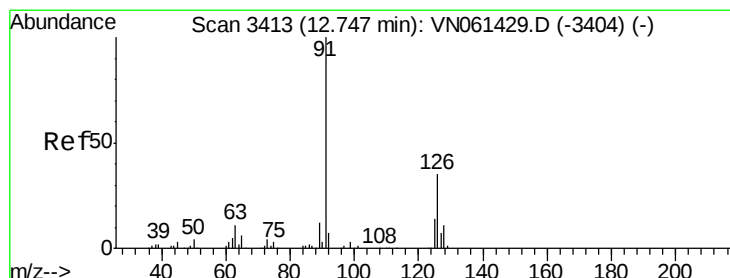
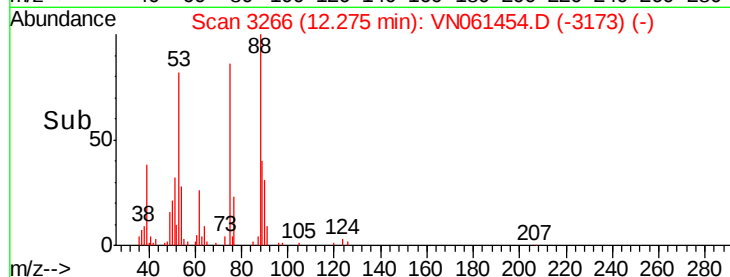
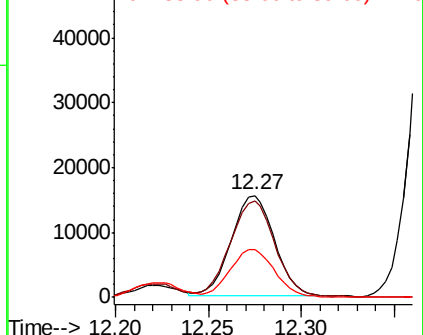
89 48.6 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061429.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061429.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 18.116 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061454.D

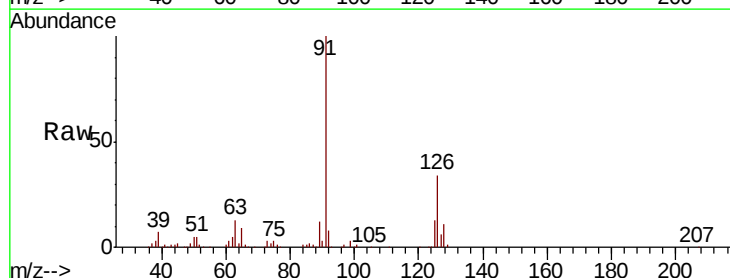
Acq: 19 May 2020 3:02

Tgt Ion: 91 Resp: 216174

Ion Ratio Lower Upper

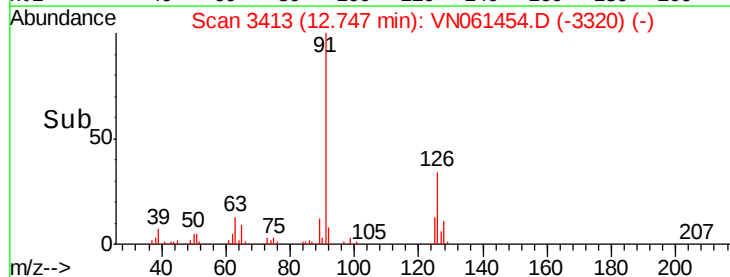
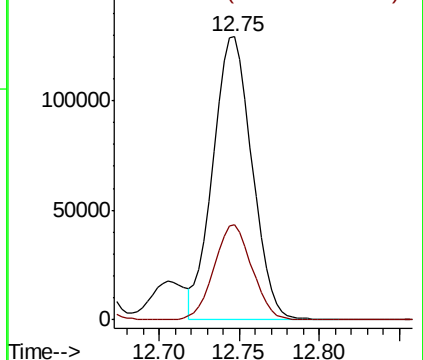
91 100

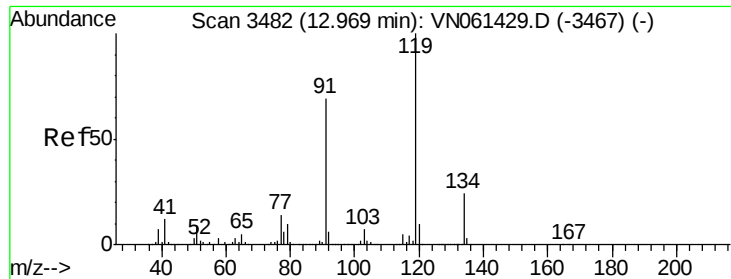
126 32.9 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3404) (-)

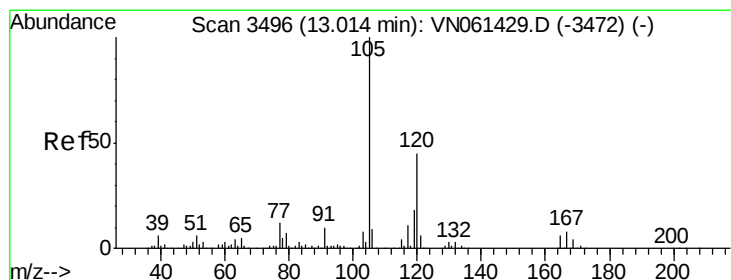
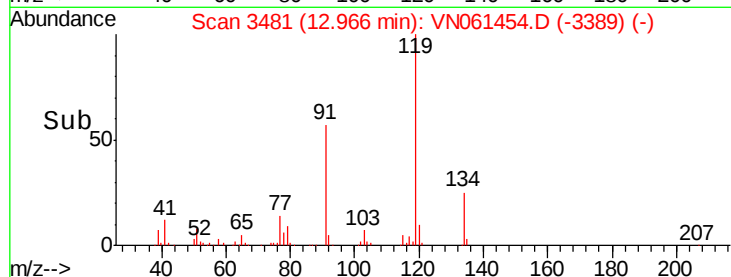
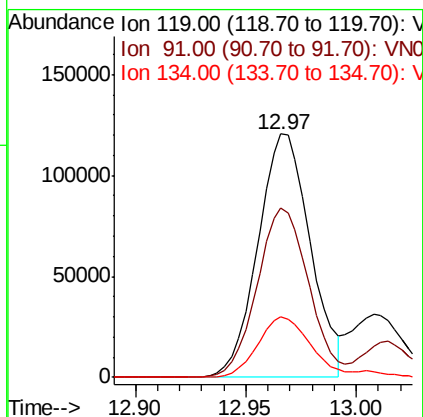
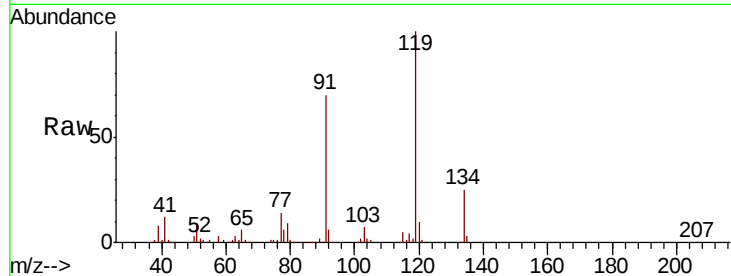




#83
 tert-Butylbenzene
 Concen: 16.585 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

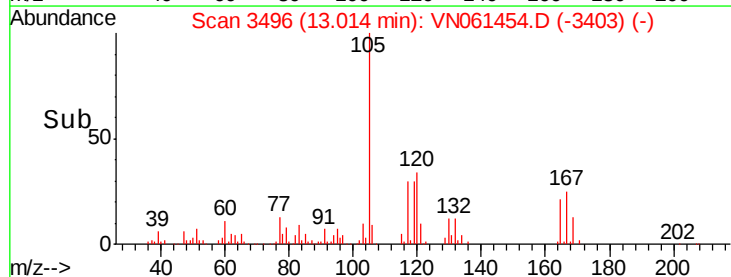
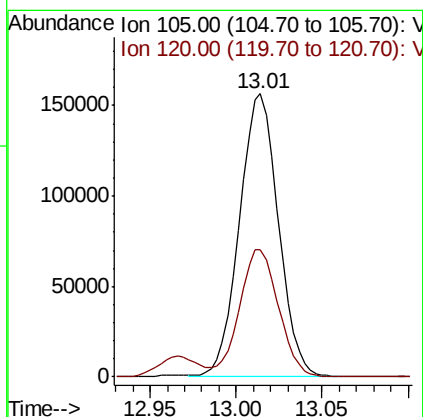
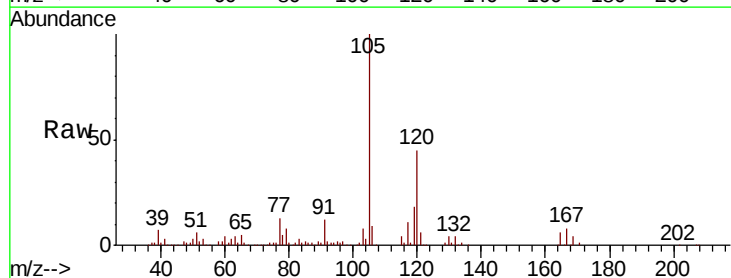
Instrument :
 MSVOA_N
 ClientSampled :

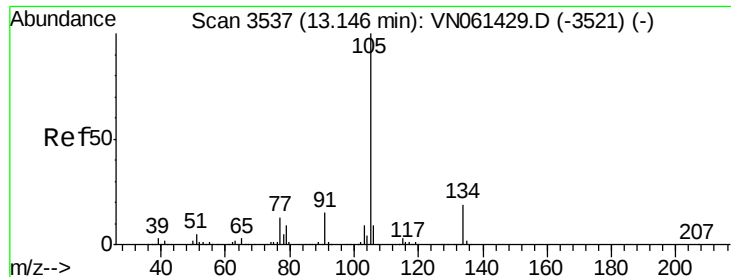
Tot Ion:119 Resp: 199040
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.7 101.0
 134 25.0 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 17.436 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion:105 Resp: 244483
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 15.939 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

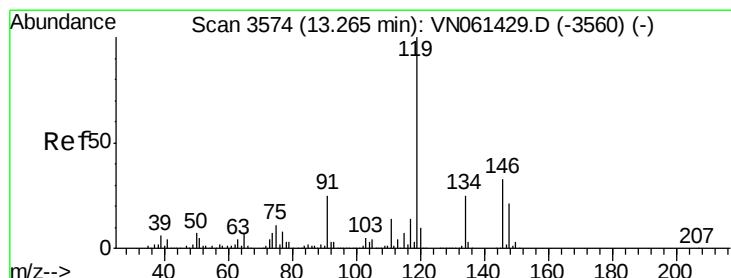
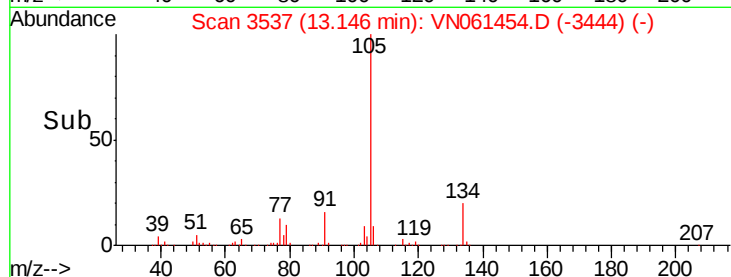
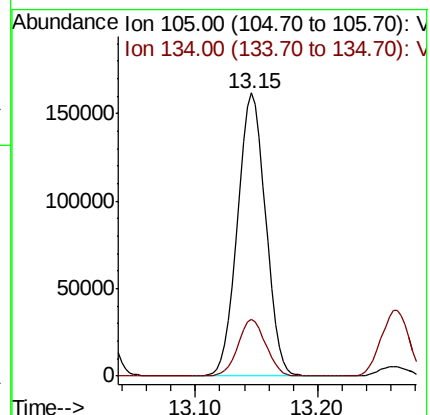
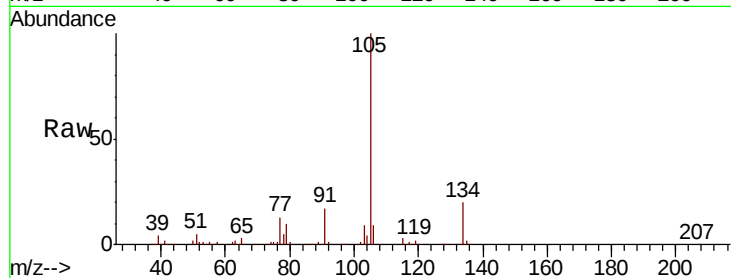
ClientSampleId :

Tot Ion:105 Resp: 258660

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 16.261 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

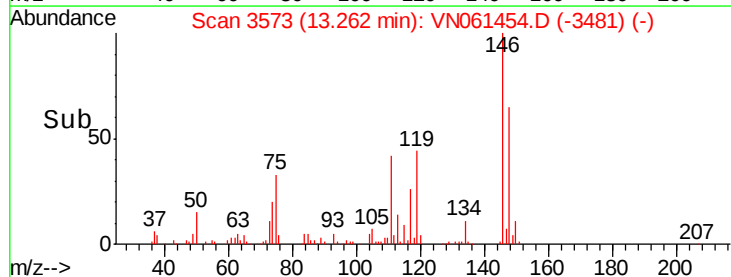
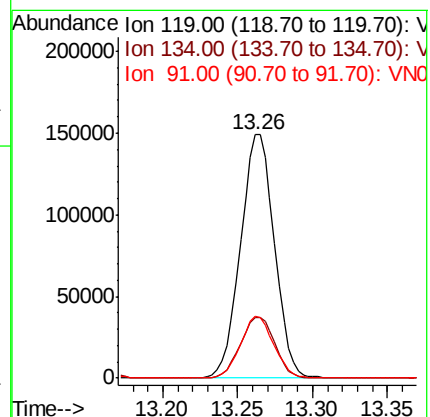
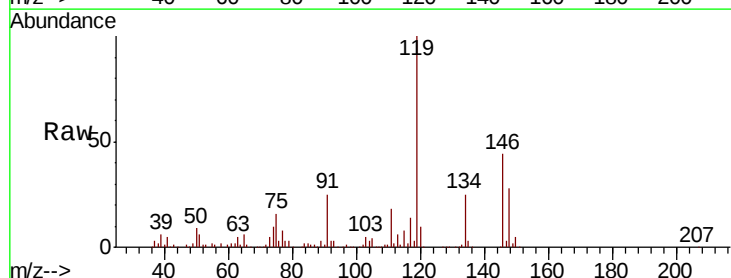
Tgt Ion:119 Resp: 234328

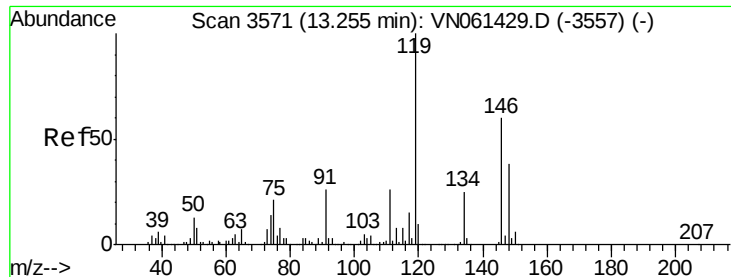
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 24.8 12.6 37.6

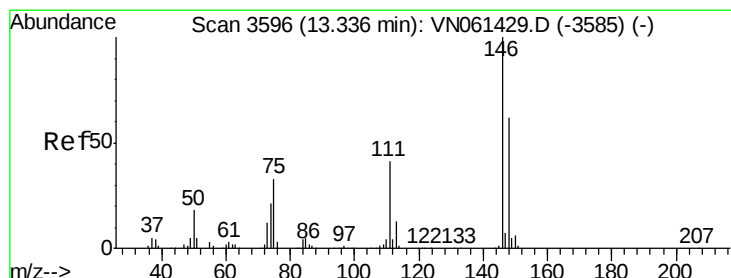
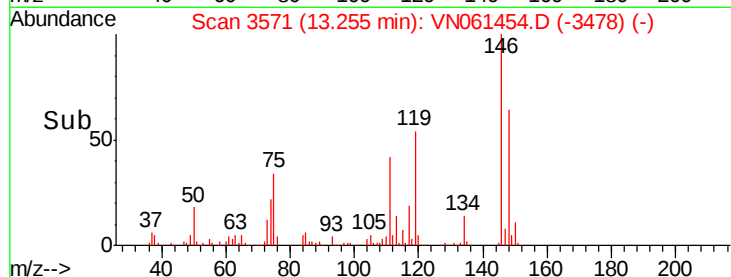
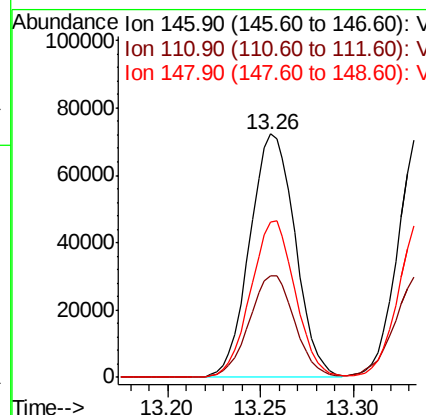
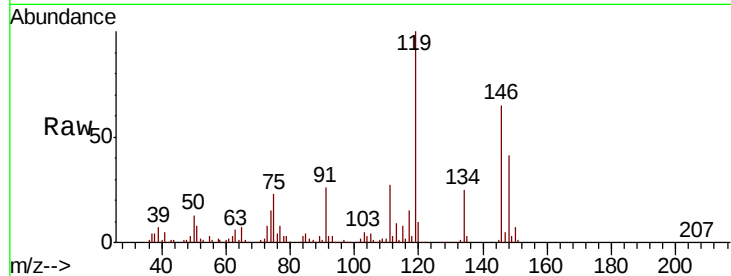




#87
 1,3-Dichlorobenzene
 Concen: 18.086 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

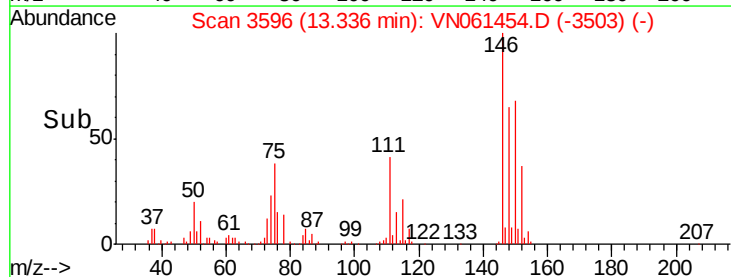
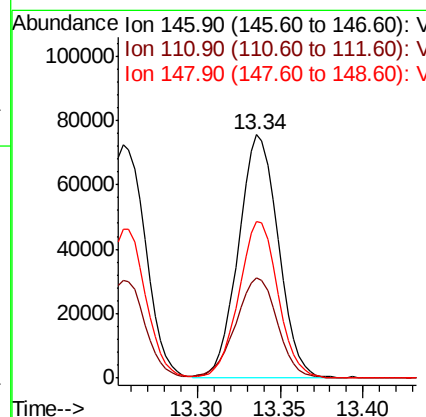
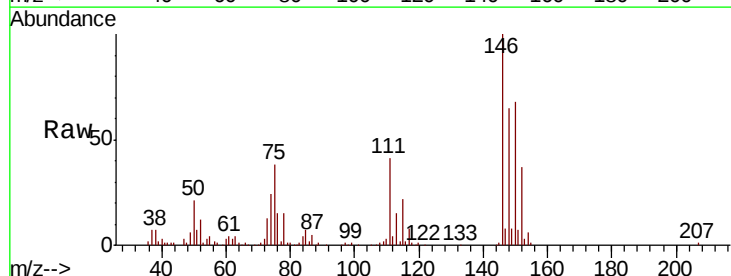
Instrument :
 MSVOA_N
 ClientSampled :

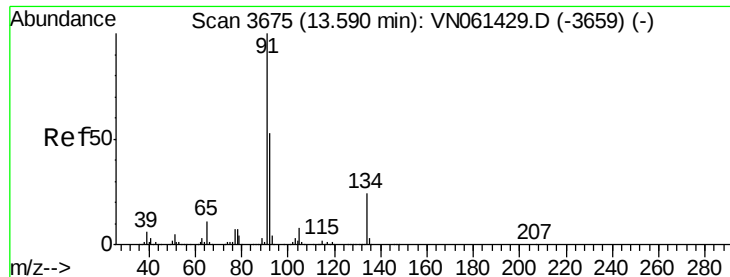
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.5	64.5
148	62.9	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.447 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.8	62.5
148	63.3	31.6	94.8





#89

n-Butylbenzene

Concen: 15.533 ug/l

RT: 13.59 min Scan# 3674

Delta R.T. -0.00 min

Lab File: VN061454.D

Acq: 19 May 2020 3:02

Instrument :

MSVOA_N

ClientSampleId :

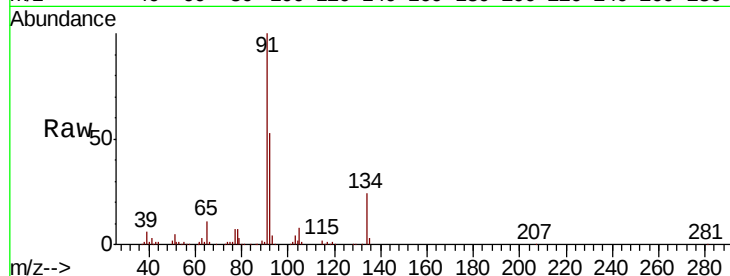
Tot Ion: 91 Resp: 203355

Ion Ratio Lower Upper

91 100

92 53.7 26.8 80.3

134 24.9 12.4 37.4

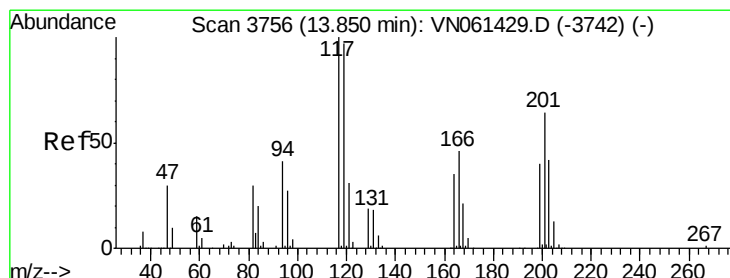
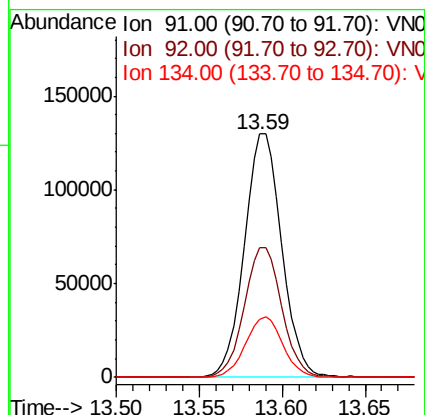
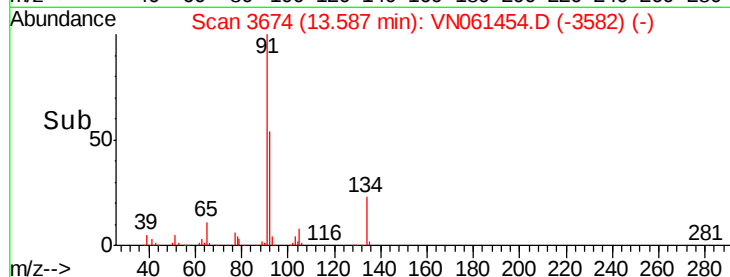


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)

Time--> 13.50 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 16.442 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061454.D

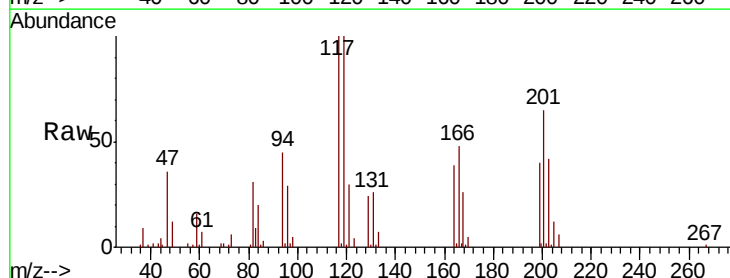
Acq: 19 May 2020 3:02

Tgt Ion: 117 Resp: 32111

Ion Ratio Lower Upper

117 100

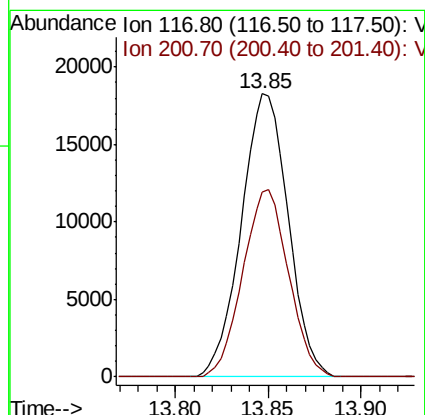
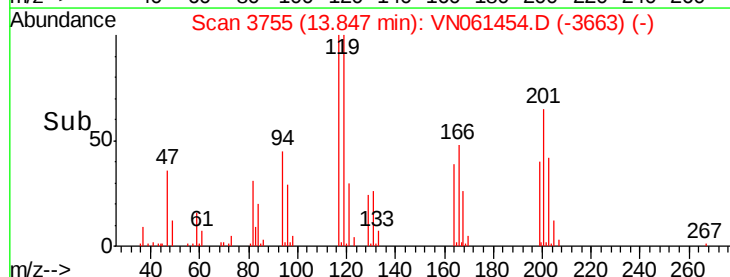
201 64.4 32.9 98.7

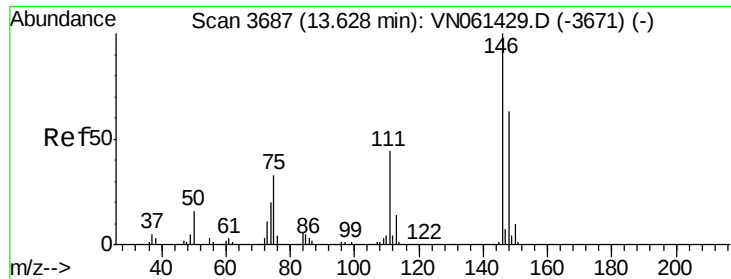


Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)

Time--> 13.80 13.85 13.90

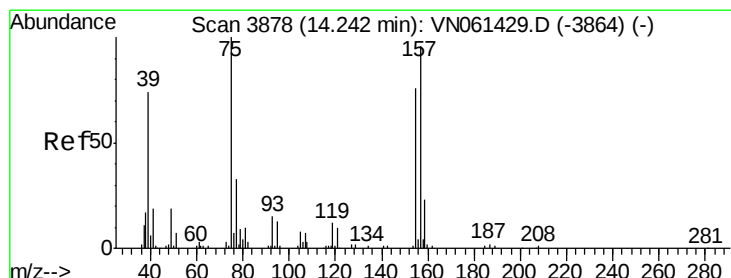
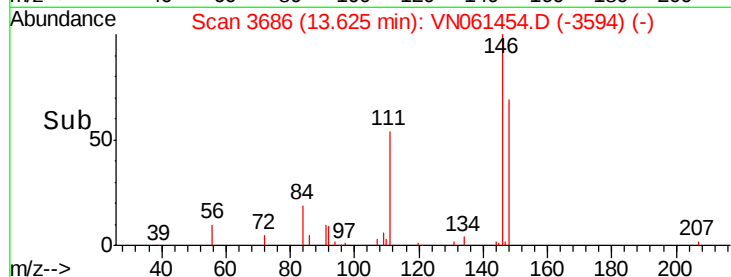
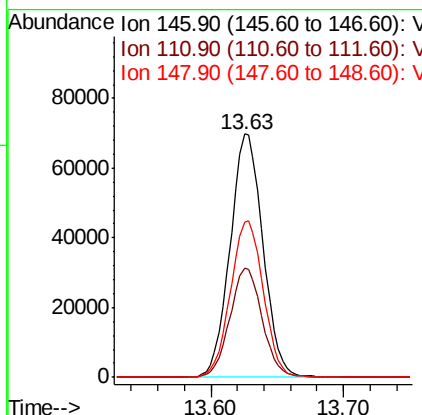
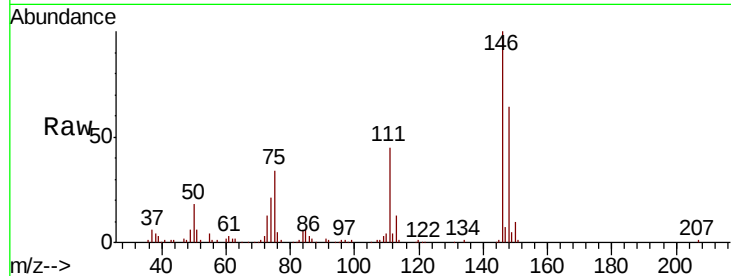




#91
 1,2-Dichlorobenzene
 Concen: 18.406 ug/l
 RT: 13.63 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

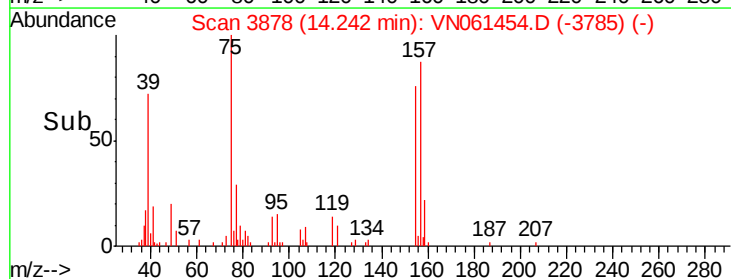
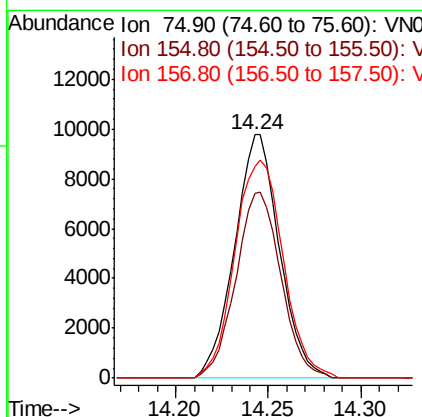
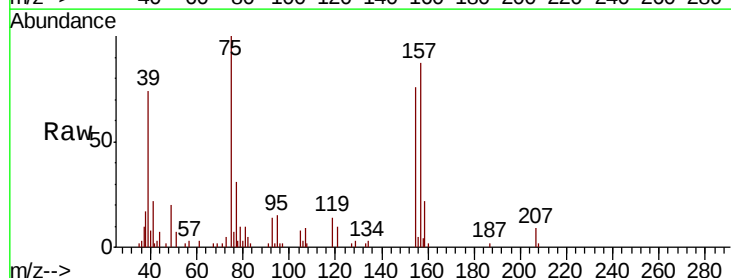
Instrument :
 MSVOA_N
 ClientSampled :

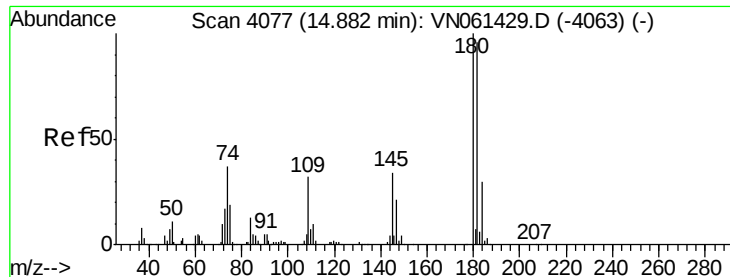
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.7
148	64.3	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.302 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	38.9	116.7
157	96.8	48.6	145.8

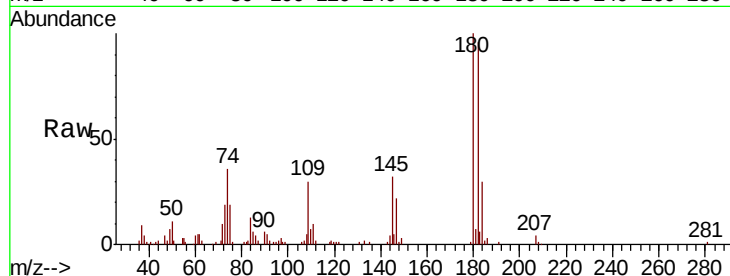




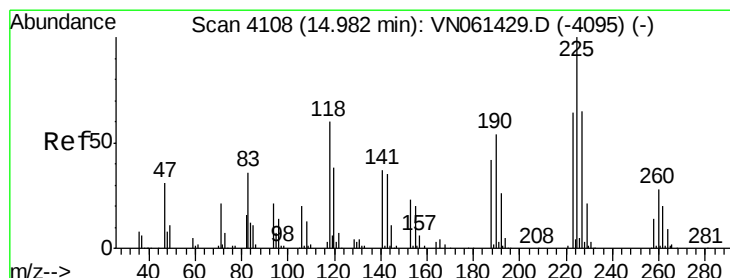
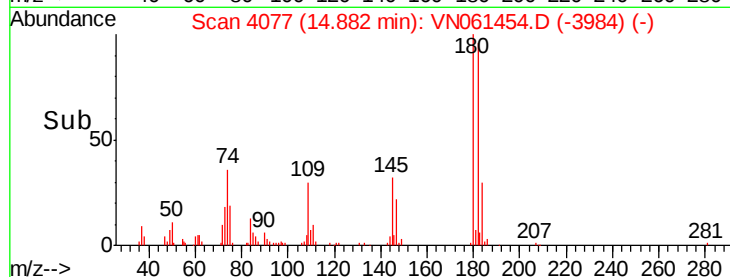
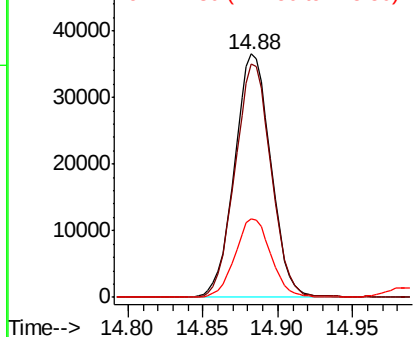
#93
 1,2,4-Trichlorobenzene
 Concen: 17.433 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 61626
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.0 141.0
 145 31.7 16.7 50.0

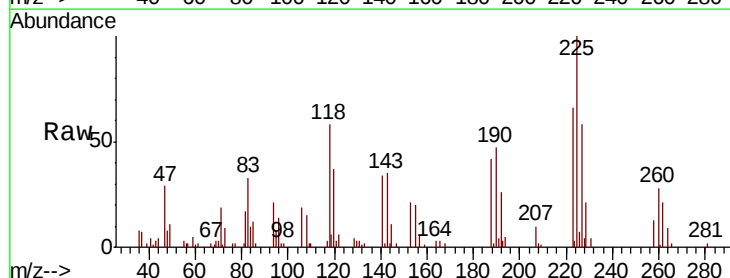


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

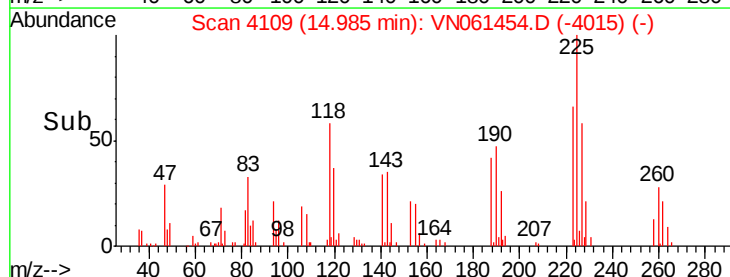
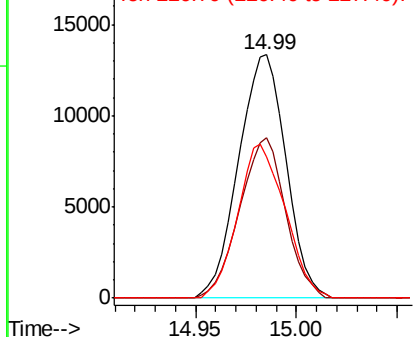


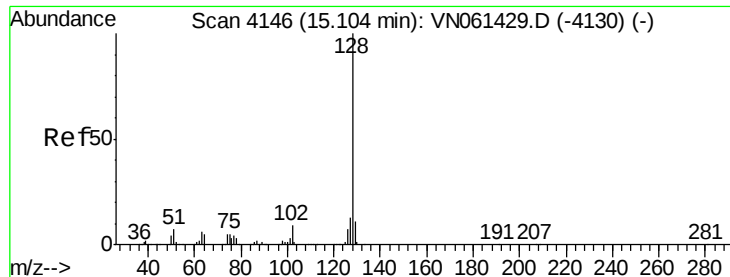
#94
 Hexachlorobutadiene
 Concen: 14.002 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061454.D
 Acq: 19 May 2020 3:02

Tgt Ion:225 Resp: 21993
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.7
 227 63.1 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

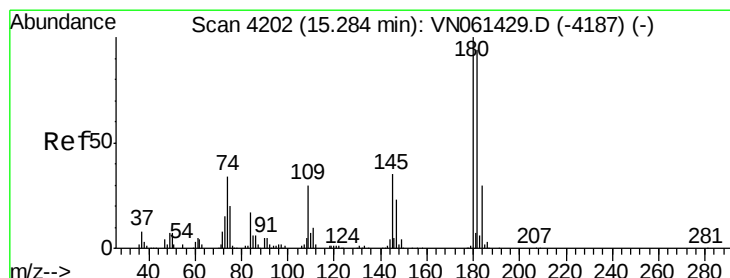
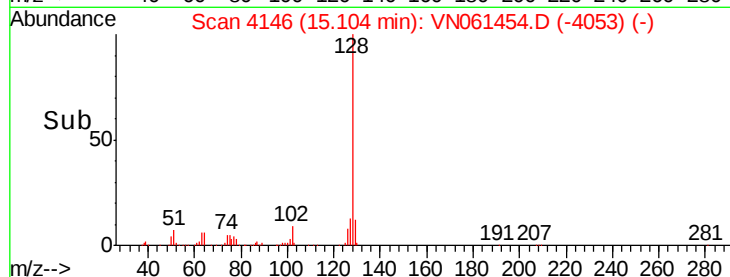
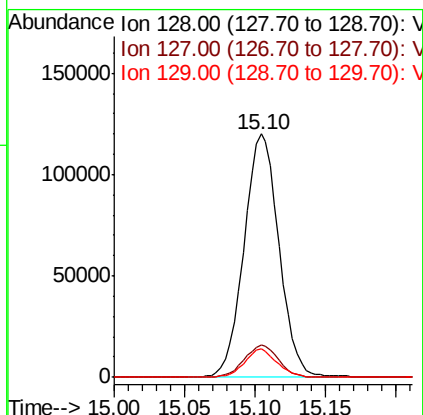
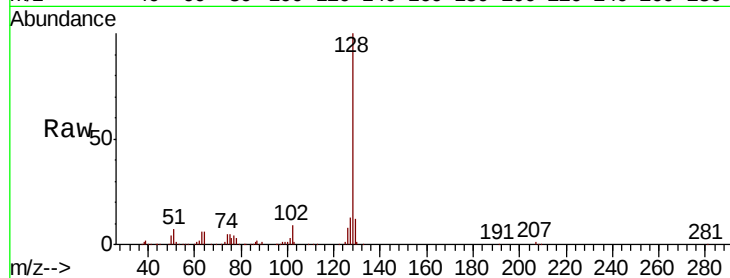




#95
Naphthalene
Concen: 18.544 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 208403
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.398 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061454.D
Acq: 19 May 2020 3:02

Tgt Ion:180 Resp: 61226
Ion Ratio Lower Upper
180 100
182 91.6 47.8 143.3
145 33.3 17.3 51.9

