

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061432.D
 Acq On : 18 May 2020 14:06
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 18:04:59 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	7.63	168	333386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	603431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	566280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	273040	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	240370	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	7.55	113	161027	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
50) Toluene-d8	10.06	98	743579	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.37	95	280966	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	129596	46.750	ug/l	98
3) Chloromethane	2.03	50	196953	43.560	ug/l	100
4) Vinyl Chloride	2.16	62	288758	44.624	ug/l	99
5) Bromomethane	2.54	94	159180	48.528	ug/l	98
6) Chloroethane	2.67	64	189818	43.582	ug/l	100
7) Trichlorofluoromethane	2.98	101	347722	44.262	ug/l	96
8) Diethyl Ether	3.37	74	104110	45.497	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	152663	46.730	ug/l	99
10) Methyl Iodide	3.91	142	183336	46.204	ug/l	99
11) Tert butyl alcohol	4.73	59	122458	213.600	ug/l	99
12) 1,1-Dichloroethene	3.70	96	153055	44.788	ug/l	96
13) Acrolein	3.56	56	89302	215.673	ug/l	98
14) Allyl chloride	4.27	41	257471	46.296	ug/l	99
15) Acrylonitrile	4.93	53	392685	231.193	ug/l	100
16) Acetone	3.77	43	326123	256.499	ug/l	99
17) Carbon Disulfide	4.01	76	368793	50.316	ug/l	99
18) Methyl Acetate	4.27	43	160216	46.887	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	594049	45.808	ug/l	100
20) Methylene Chloride	4.50	84	181091	44.285	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	182346	46.275	ug/l	99
22) Diisopropyl ether	5.90	45	582127	46.580	ug/l	99
23) Vinyl Acetate	5.84	43	2356135	237.085	ug/l	99
24) 1,1-Dichloroethane	5.80	63	338281	46.408	ug/l	99
25) 2-Butanone	6.78	43	518405	228.831	ug/l	99
26) 2,2-Dichloropropane	6.77	77	325240	46.805	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	217949	46.824	ug/l	99
28) Bromochloromethane	7.15	49	150961	48.791	ug/l	99
29) Tetrahydrofuran	7.16	42	331322	220.831	ug/l	99
30) Chloroform	7.33	83	363265	47.714	ug/l	100
31) Cyclohexane	7.61	56	307397	47.781	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	328575	47.229	ug/l	99
36) 1,1-Dichloropropene	7.75	75	273009	48.385	ug/l	99
37) Ethyl Acetate	6.88	43	222872	43.555	ug/l	99
38) Carbon Tetrachloride	7.73	117	255424	49.163	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	333048	48.327	ug/l	99
40) Benzene	8.00	78	809245	47.592	ug/l	99
41) Methacrylonitrile	7.13	41	107948	49.947	ug/l	96
42) 1,2-Dichloroethane	8.09	62	290153	47.363	ug/l	100
43) Isopropyl Acetate	8.12	43	411828	46.145	ug/l	99
44) Trichloroethene	8.80	130	218421	49.024	ug/l	99
45) 1,2-Dichloropropane	9.08	63	202446	47.566	ug/l	99
46) Dibromomethane	9.18	93	143197	47.994	ug/l	99
47) Bromodichloromethane	9.37	83	302651	48.144	ug/l	97
48) Methyl methacrylate	9.17	41	185753	45.055	ug/l	98
49) 1,4-Dioxane	9.17	88	37984	871.077	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1152415	237.037	ug/l	100
52) Toluene	10.12	92	529585	48.512	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	342928	49.771	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	355636	48.555	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	201748	48.882	ug/l	99
56) Ethyl methacrylate	10.40	69	317967	49.279	ug/l	100
57) 1,3-Dichloropropane	10.68	76	345628	48.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	671695	237.162	ug/l	99
59) 2-Hexanone	10.72	43	832078	236.559	ug/l	99
60) Dibromochloromethane	10.87	129	229374	50.242	ug/l	100
61) 1,2-Dibromoethane	10.98	107	211330	48.699	ug/l	100
64) Tetrachloroethene	10.60	164	209006	47.707	ug/l	97
65) Chlorobenzene	11.41	112	553976	47.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	204774	49.464	ug/l	98
67) Ethyl Benzene	11.48	91	1046873	49.664	ug/l	100
68) m/p-Xylenes	11.59	106	793364	99.157	ug/l	100
69) o-Xylene	11.92	106	380541	49.148	ug/l	100
70) Styrene	11.94	104	653743	50.987	ug/l	99
71) Bromoform	12.10	173	149172	46.485	ug/l #	100
73) Isopropylbenzene	12.22	105	1032905	47.123	ug/l	100
74) N-amyl acetate	12.04	43	368159	45.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	275763	45.727	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	374201	63.870	ug/l #	100
77) Bromobenzene	12.50	156	226239	47.559	ug/l	98
78) n-propylbenzene	12.56	91	1204671	48.235	ug/l	99
79) 2-Chlorotoluene	12.65	91	693968	47.010	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	875621	48.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	103404	46.820	ug/l	98
82) 4-Chlorotoluene	12.75	91	735177	48.096	ug/l	100
83) tert-Butylbenzene	12.97	119	740585	48.173	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	872961	48.601	ug/l	99
85) sec-Butylbenzene	13.15	105	1012117	48.687	ug/l	99
86) p-Isopropyltoluene	13.26	119	919160	49.794	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	426630	49.004	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	425804	48.837	ug/l	99
89) n-Butylbenzene	13.59	91	839450	50.056	ug/l	100
90) Hexachloroethane	13.85	117	124588	49.800	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	403506	48.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	56719	46.560	ug/l	99

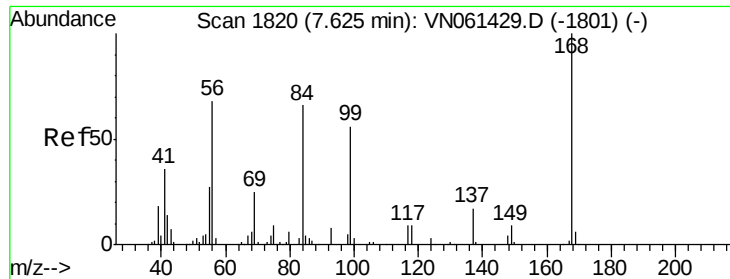
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	235627	52.036	ug/l	99
94) Hexachlorobutadiene	14.98	225	97820	48.619	ug/l	99
95) Naphthalene	15.10	128	737617	51.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	223571	49.597	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

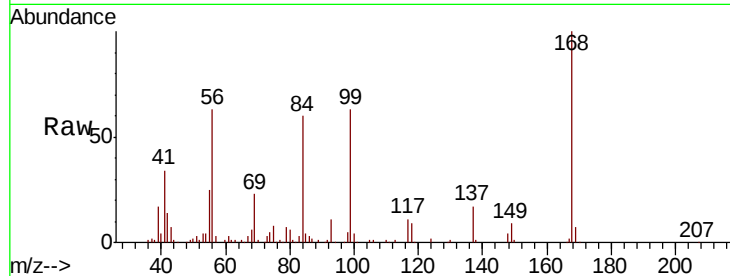
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 333386

Ion Ratio Lower Upper

168 100

99 63.0 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

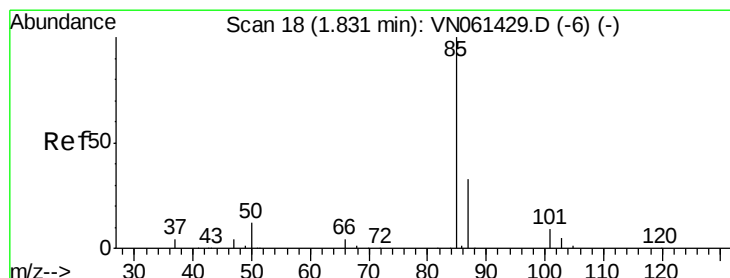
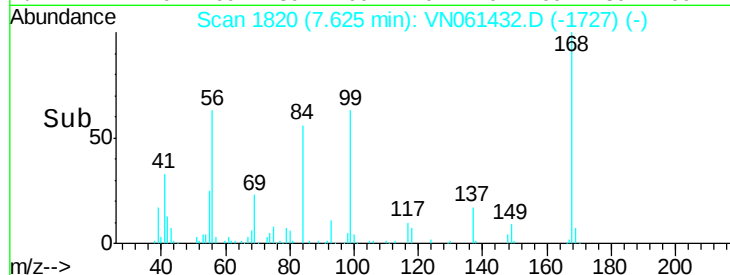
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.750 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061432.D

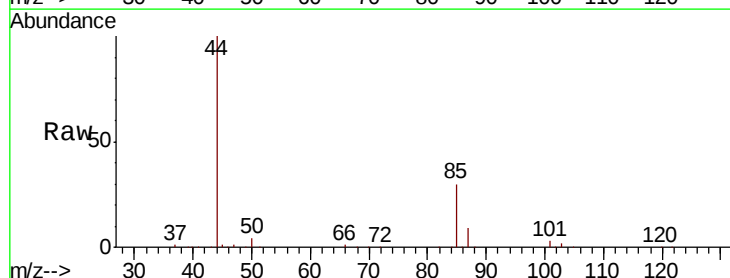
Acq: 18 May 2020 14:06

Tgt Ion: 85 Resp: 129596

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

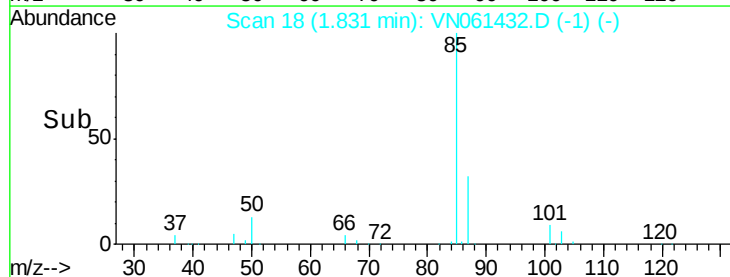
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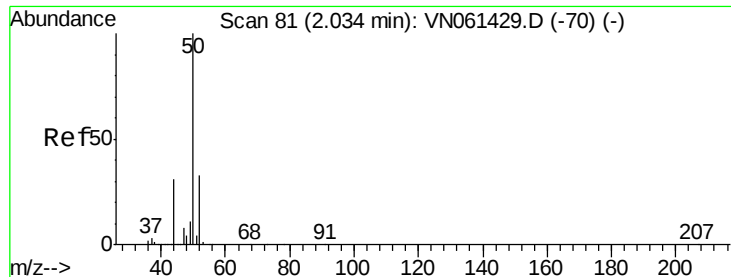
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 43.560 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

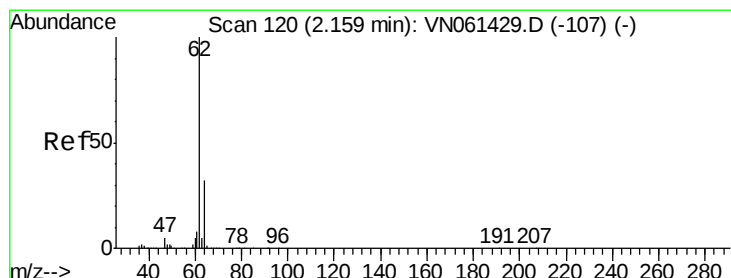
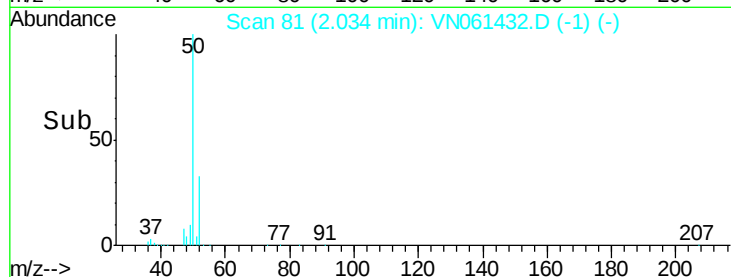
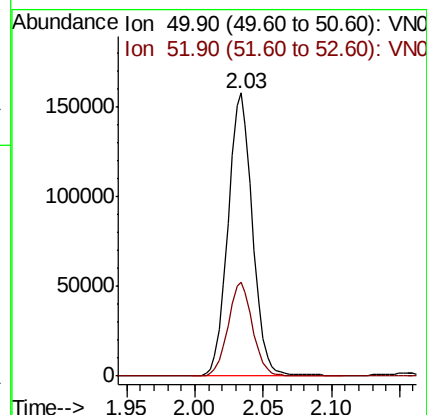
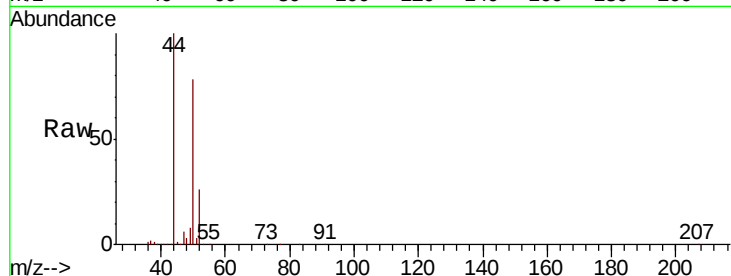
ClientSampleId :

Tot Ion: 50 Resp: 196953

Ion Ratio Lower Upper

50 100

52 33.3 26.7 40.1



#4

Vinyl Chloride

Concen: 44.624 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061432.D

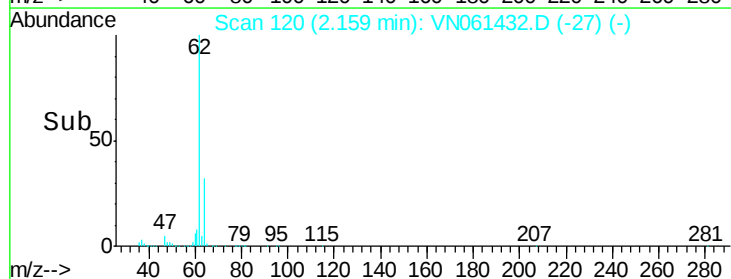
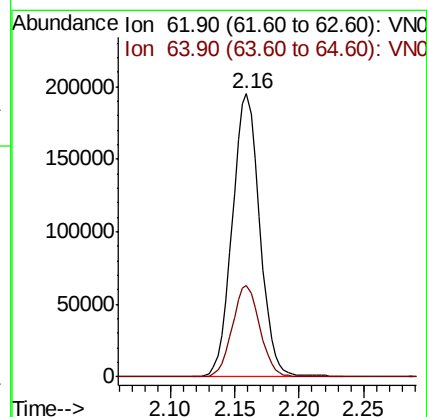
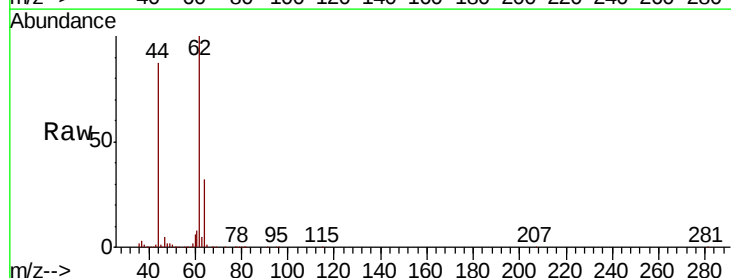
Acq: 18 May 2020 14:06

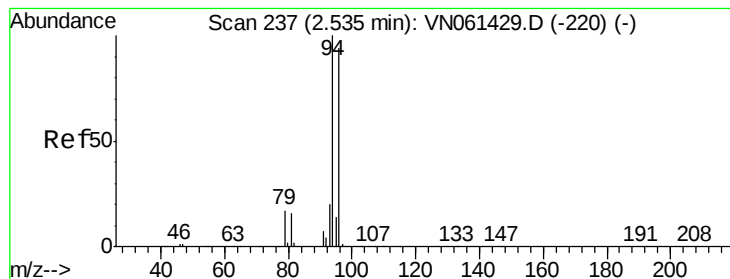
Tgt Ion: 62 Resp: 288758

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 48.528 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

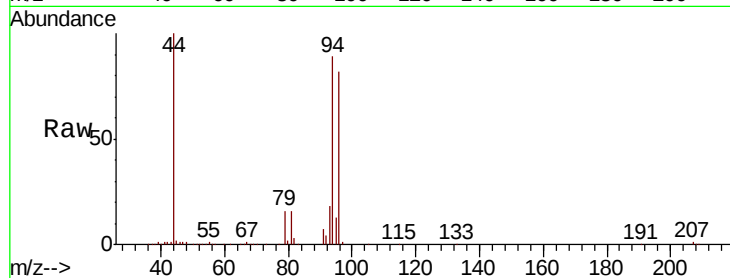
ClientSampled :

Tot Ion: 94 Resp: 159180

Ion Ratio Lower Upper

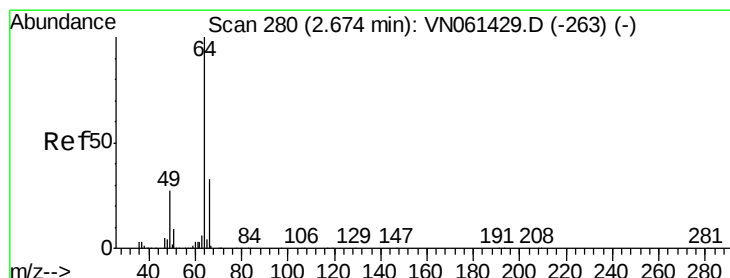
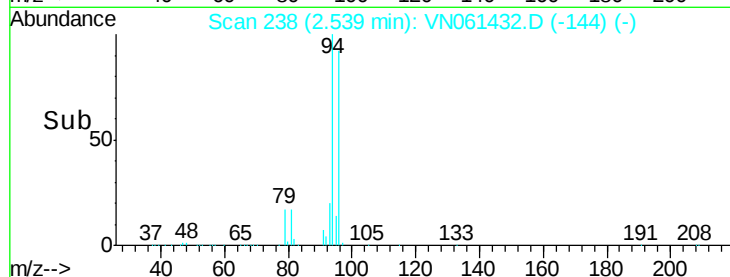
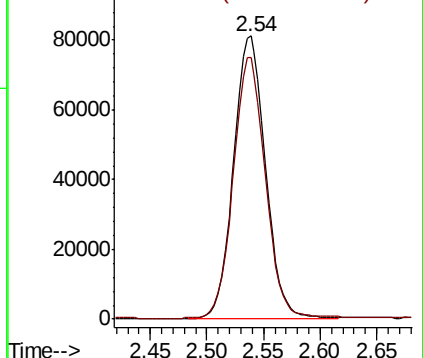
94 100

96 92.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.582 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061432.D

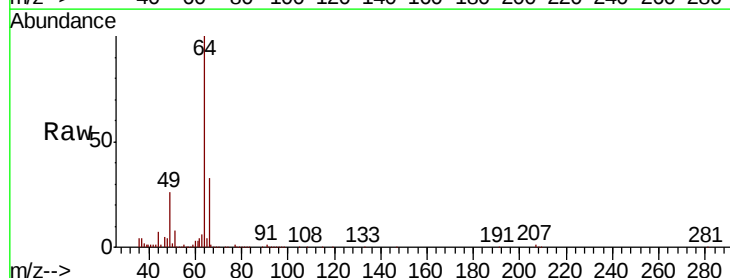
Acq: 18 May 2020 14:06

Tgt Ion: 64 Resp: 189818

Ion Ratio Lower Upper

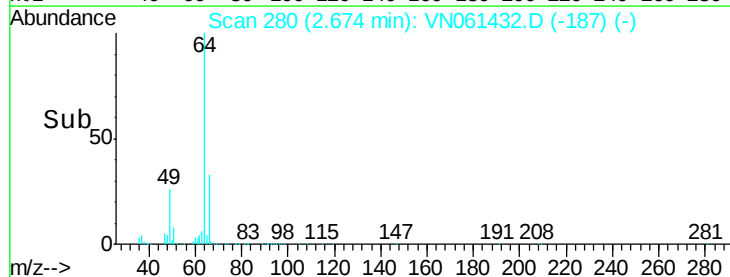
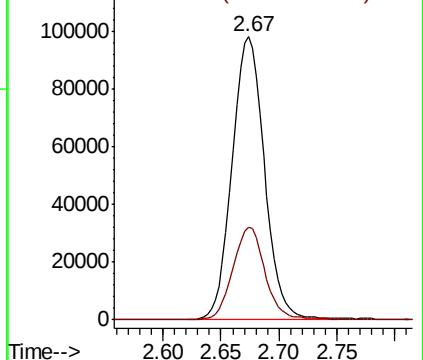
64 100

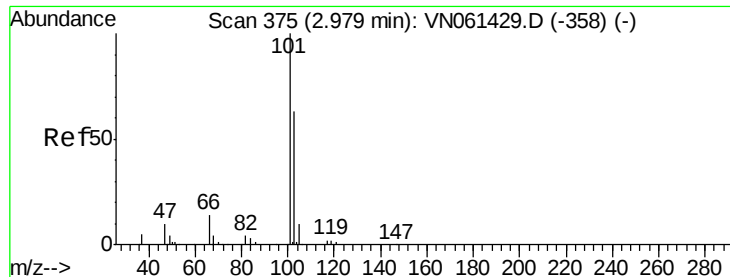
66 32.8 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



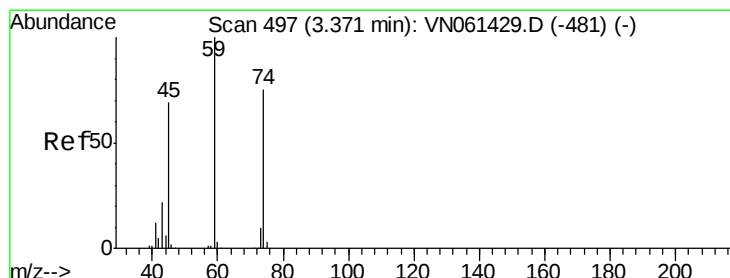
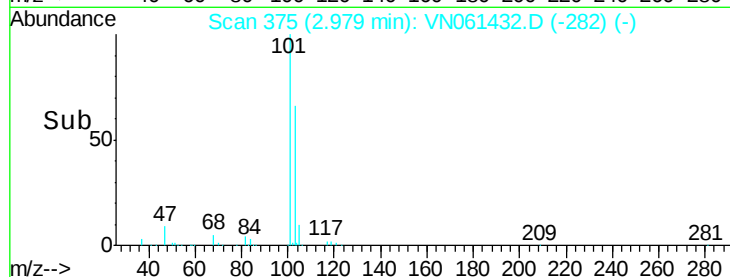
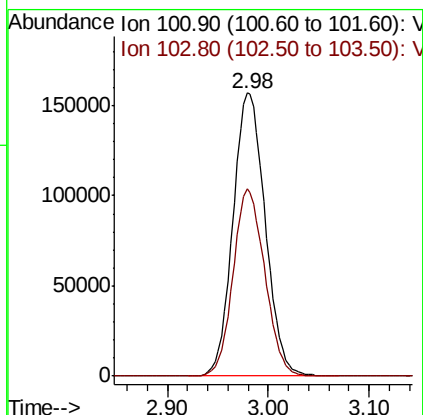
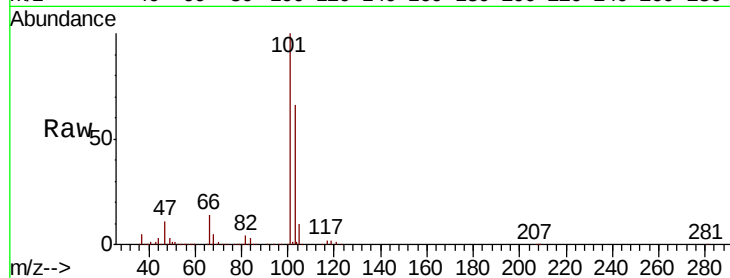


#7

Trichlorofluoromethane
 Concen: 44.262 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
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 ClientSampleId :

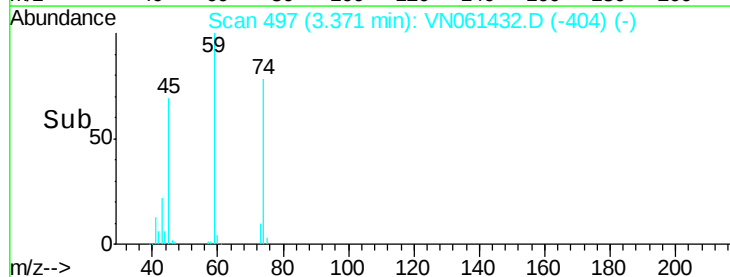
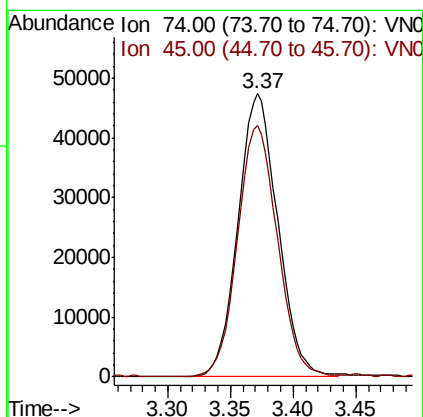
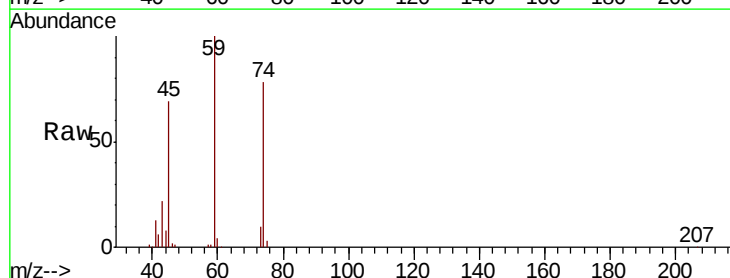
Tot Ion:101 Resp: 347722
 Ion Ratio Lower Upper
 101 100
 103 66.0 50.2 75.4

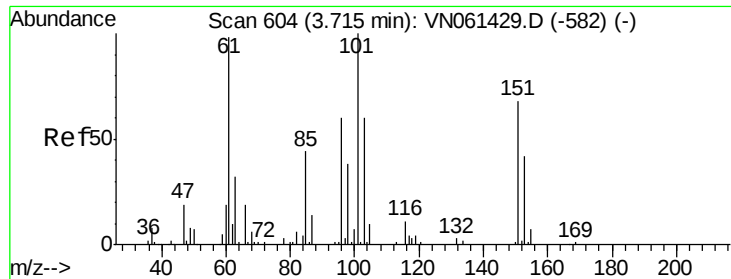


#8

Diethyl Ether
 Concen: 45.497 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion: 74 Resp: 104110
 Ion Ratio Lower Upper
 74 100
 45 89.4 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.730 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

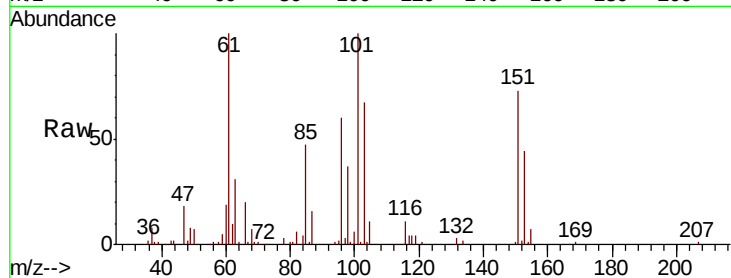
Tot Ion:101 Resp: 152663

Ion Ratio Lower Upper

101 100

85 46.5 36.6 55.0

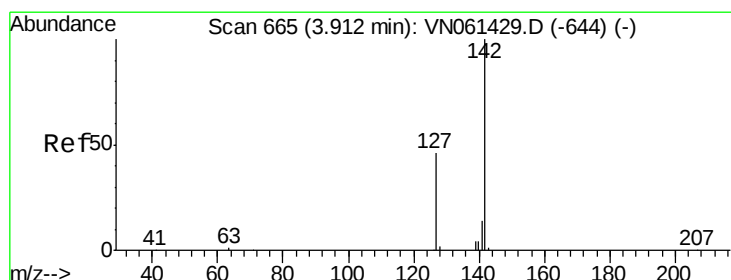
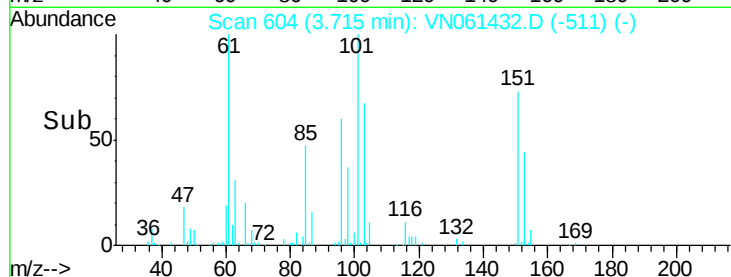
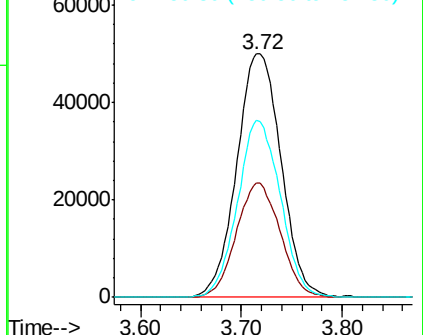
151 70.2 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.204 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

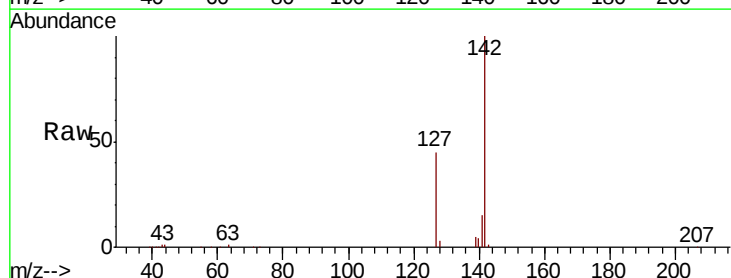
Tgt Ion:142 Resp: 183336

Ion Ratio Lower Upper

142 100

127 46.4 36.7 55.1

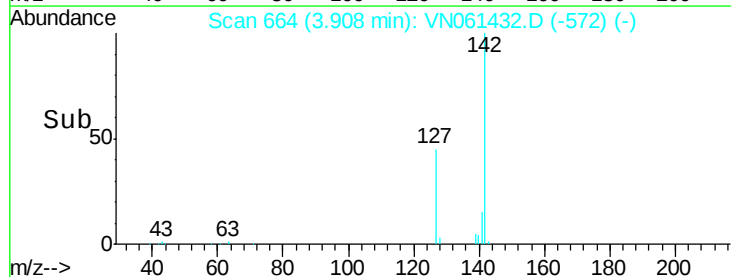
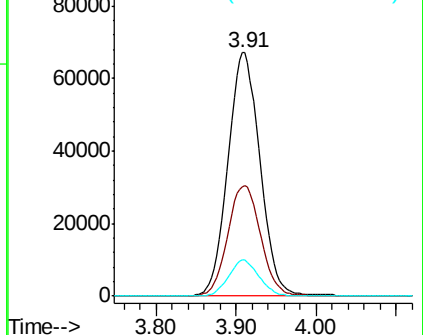
141 14.0 11.5 17.3

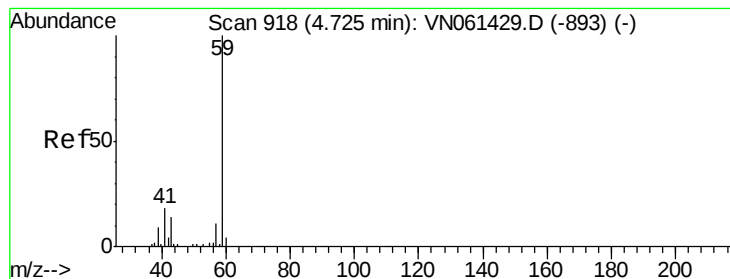


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



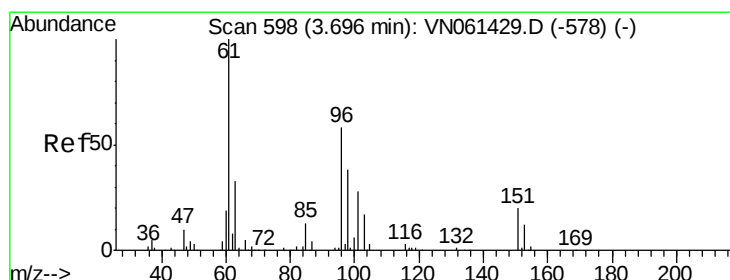
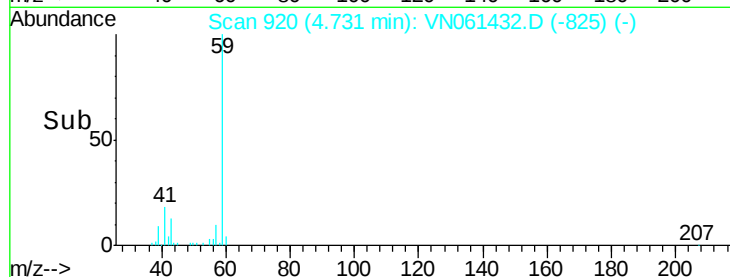
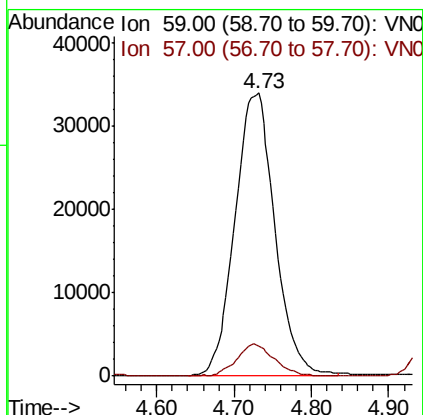
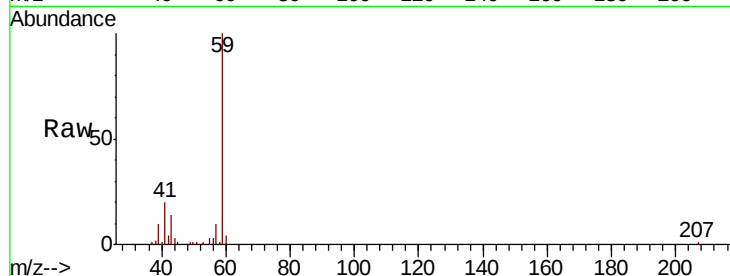


#11

Tert butyl alcohol
Concen: 213.600 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.01 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :

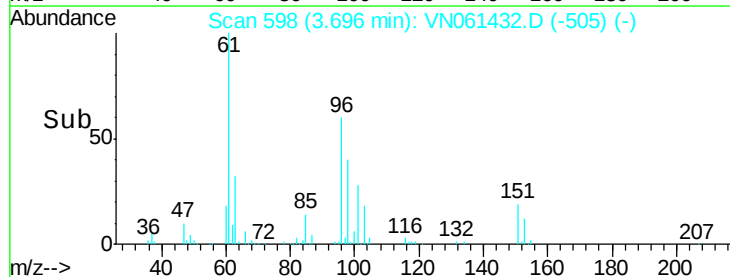
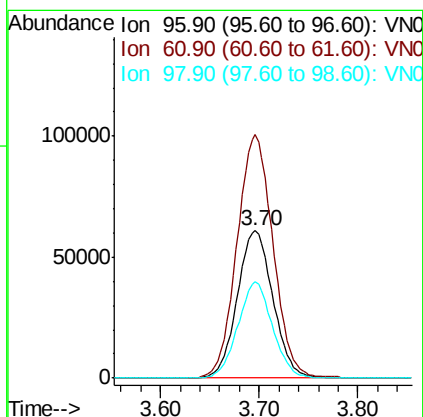
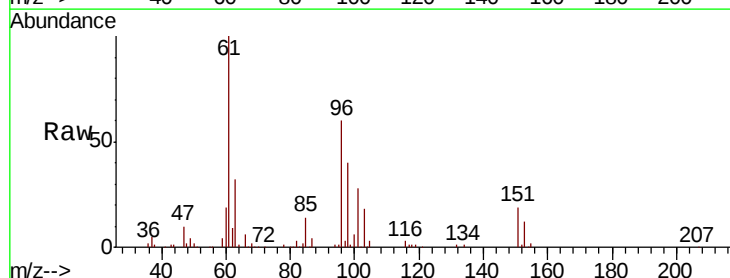
Tot Ion: 59 Resp: 122458
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.2

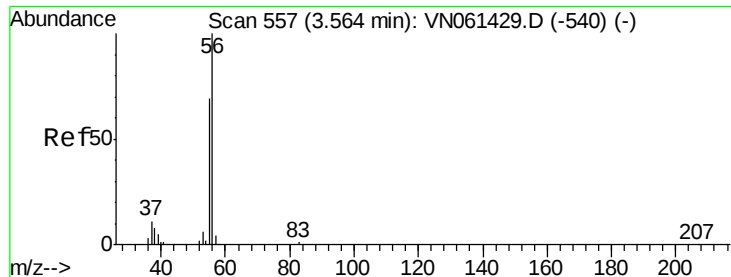


#12

1,1-Dichloroethene
Concen: 44.788 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 96 Resp: 153055
Ion Ratio Lower Upper
96 100
61 165.4 138.7 208.1
98 65.7 53.0 79.6





#13

Acrolein

Concen: 215.673 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

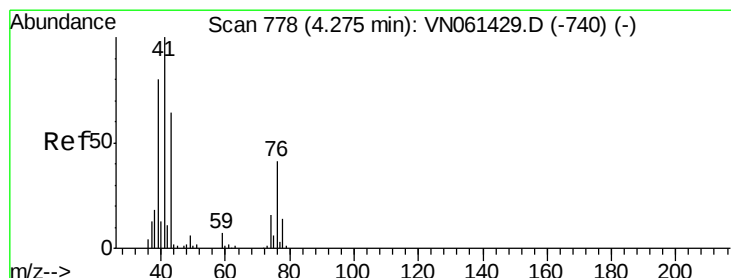
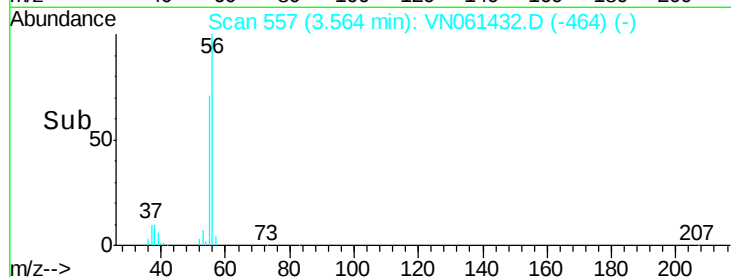
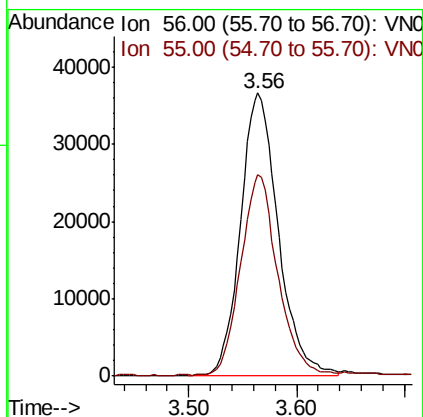
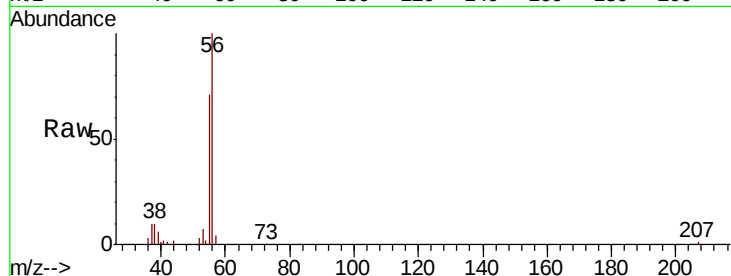
ClientSampleId :

Tot Ion: 56 Resp: 89302

Ion Ratio Lower Upper

56 100

55 70.4 54.8 82.2



#14

Allyl chloride

Concen: 46.296 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

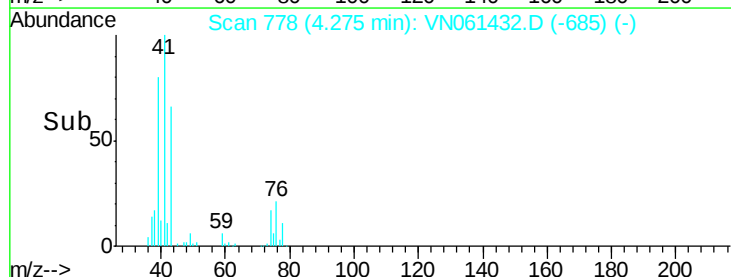
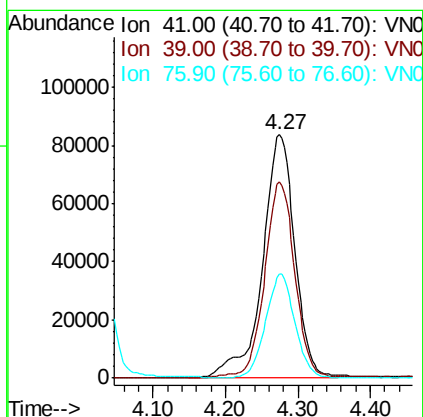
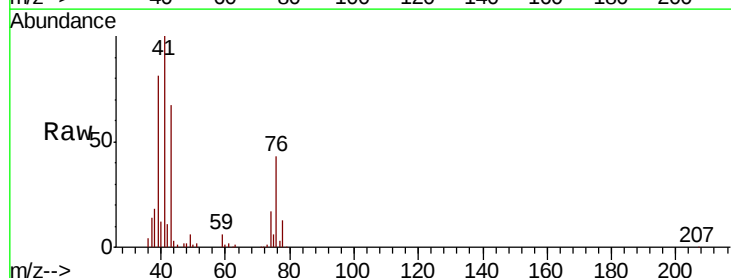
Tgt Ion: 41 Resp: 257471

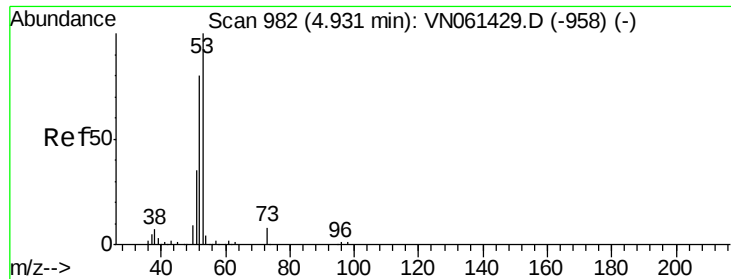
Ion Ratio Lower Upper

41 100

39 76.1 61.2 91.8

76 38.3 29.9 44.9

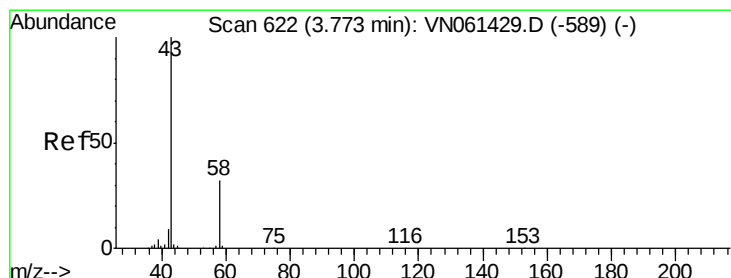
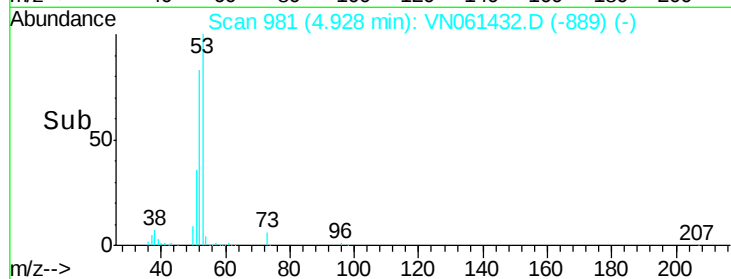
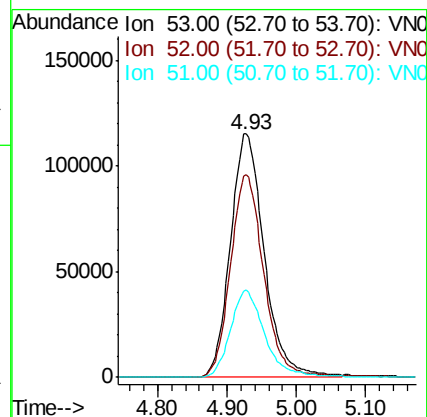
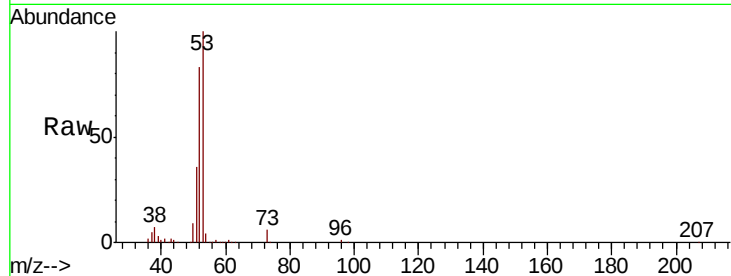




#15
 Acrylonitrile
 Concen: 231.193 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

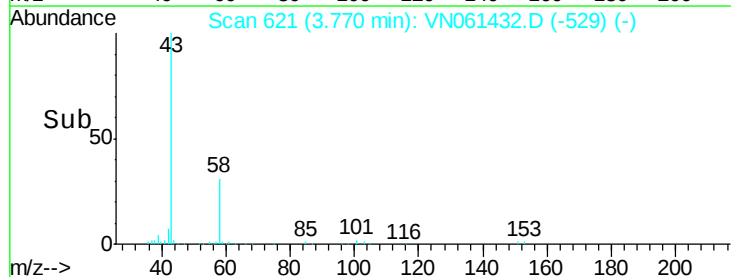
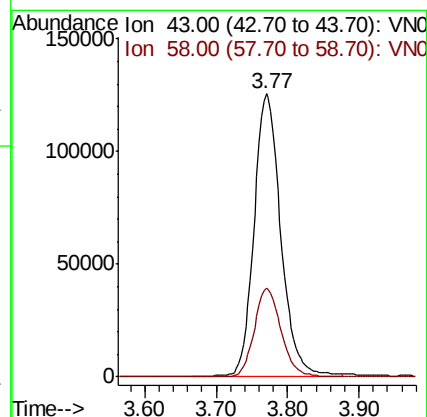
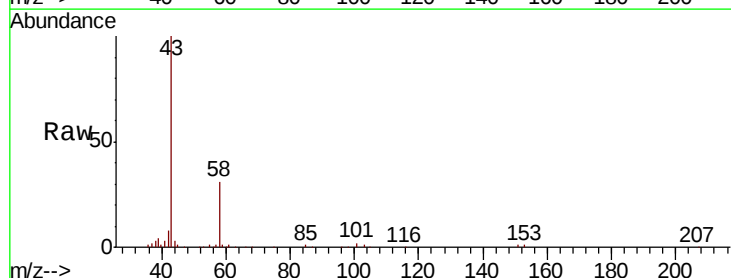
Instrument :
 MSVOA_N
 ClientSampled :

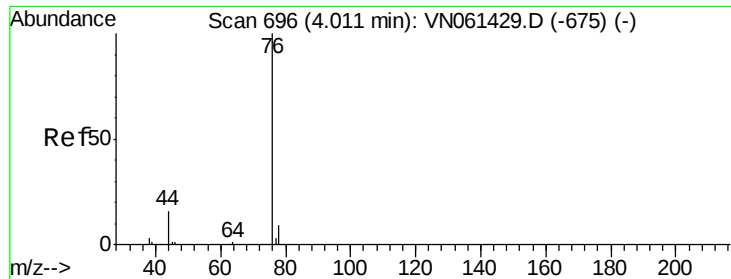
Tot Ion	53	Resp	392685
Ion Ratio	Lower	Upper	
53	100		
52	80.9	64.7	97.1
51	36.1	29.5	44.3



#16
 Acetone
 Concen: 256.499 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	43	Resp	326123
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.6	38.4

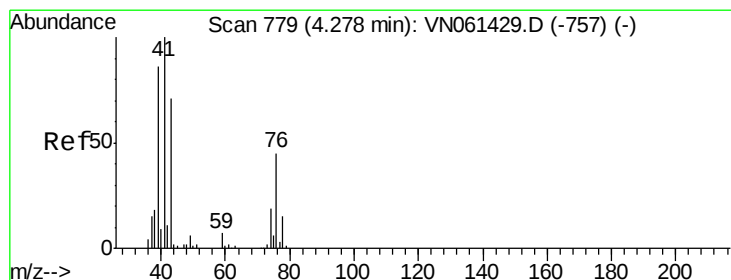
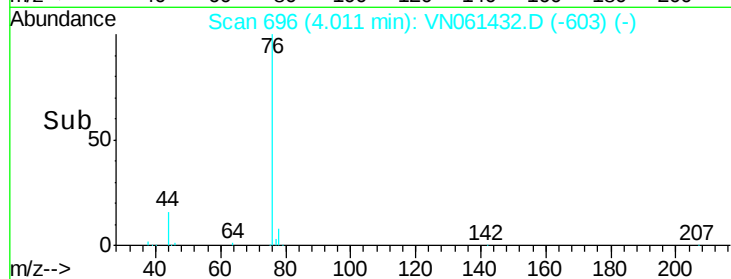
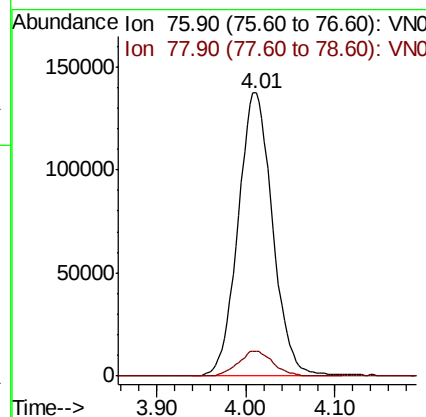
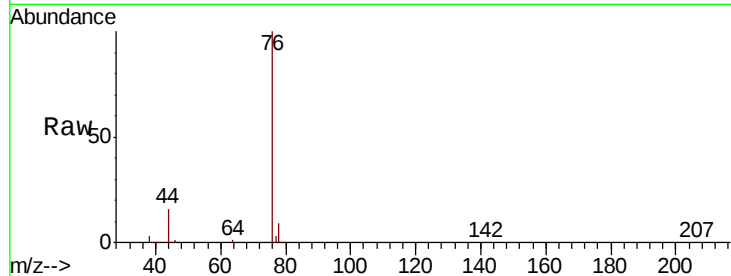




#17
Carbon Disulfide
Concen: 50.316 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

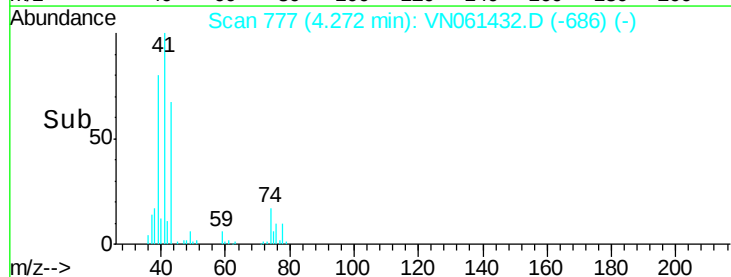
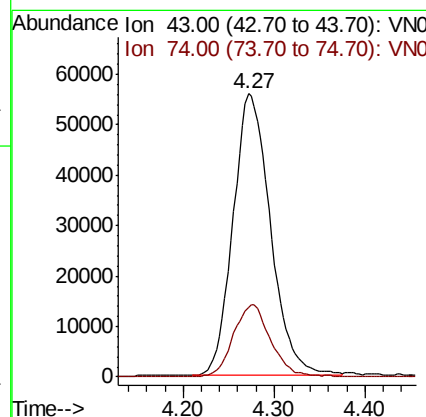
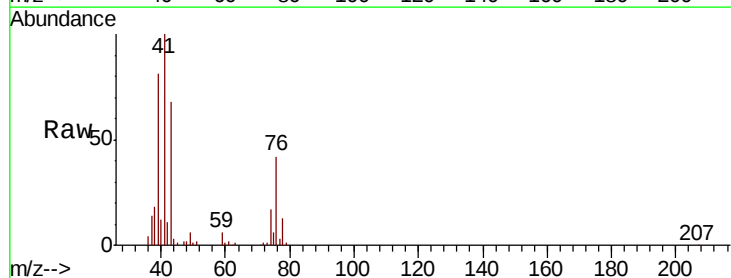
Instrument :
MSVOA_N
ClientSampled :

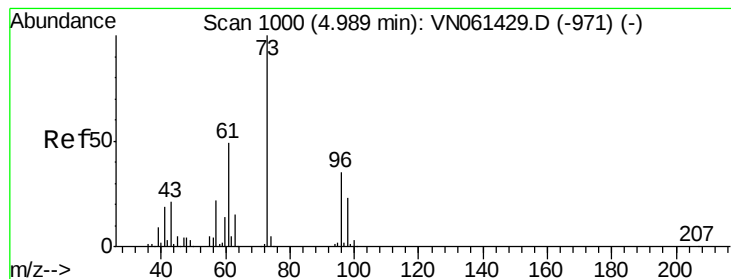
Tot Ion: 76 Resp: 368793
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 46.887 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 43 Resp: 160216
Ion Ratio Lower Upper
43 100
74 25.3 20.8 31.2





#19

Methyl tert-butyl Ether

Concen: 45.808 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

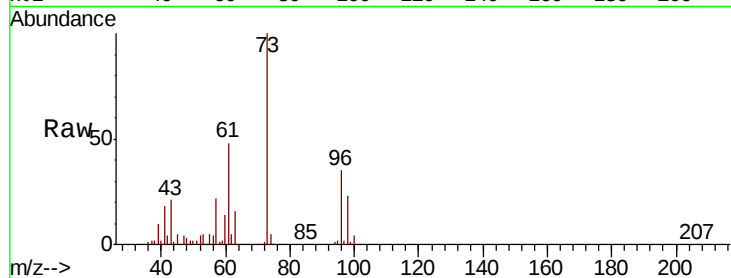
ClientSampleId :

Tot Ion: 73 Resp: 594049

Ion Ratio Lower Upper

73 100

57 21.7 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VN061429.D (-971) (-)

Ion 57.00 (56.70 to 57.70): VN061429.D (-971) (-)

4.99

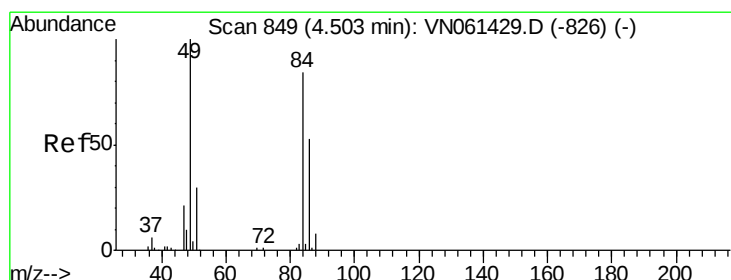
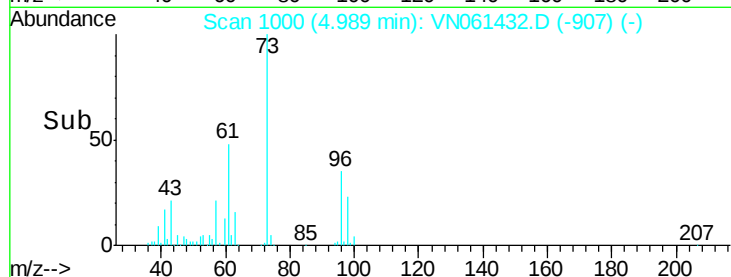
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 44.285 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion: 84 Resp: 181091

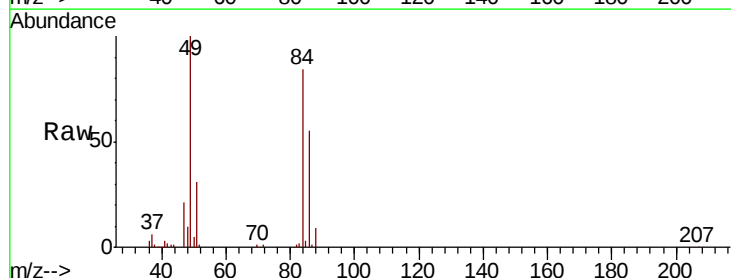
Ion Ratio Lower Upper

84 100

49 119.4 95.3 142.9

51 36.7 29.0 43.6

86 65.7 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VN061429.D (-826) (-)

Ion 48.90 (48.60 to 49.60): VN061429.D (-826) (-)

Ion 50.90 (50.60 to 51.60): VN061429.D (-826) (-)

Ion 85.90 (85.60 to 86.60): VN061429.D (-826) (-)

100000

80000

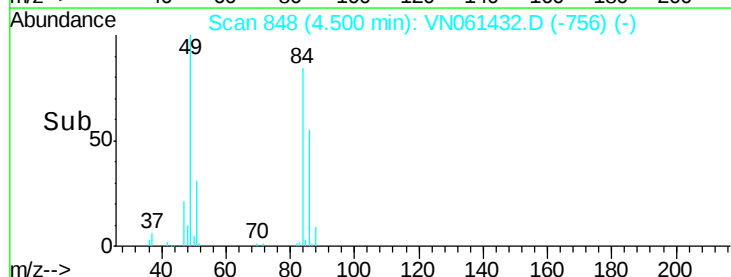
60000

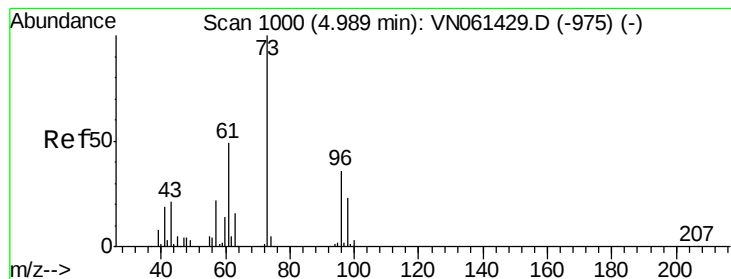
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.275 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

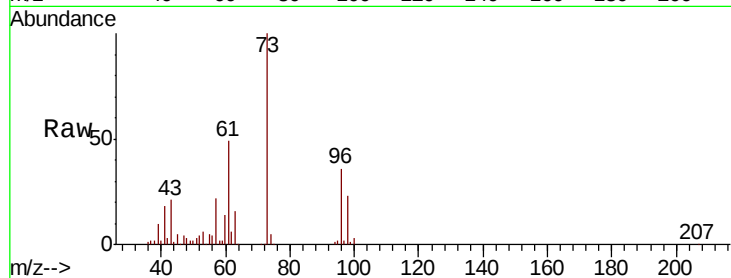
Tot Ion: 96 Resp: 182346

Ion Ratio Lower Upper

96 100

61 136.4 109.8 164.6

98 65.2 52.4 78.6

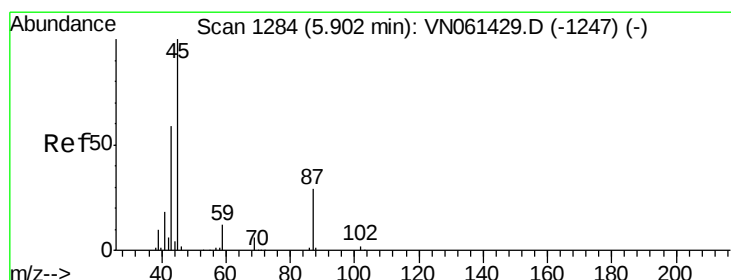
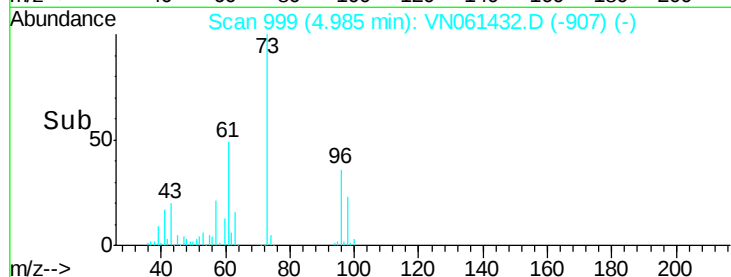
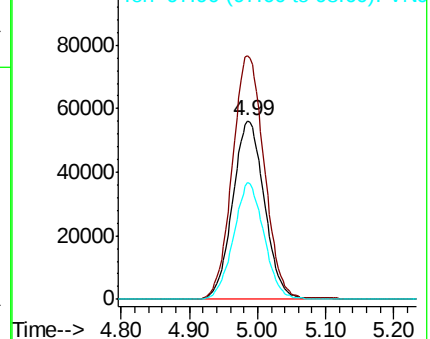


Abundance

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: 46.580 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion: 45 Resp: 582127

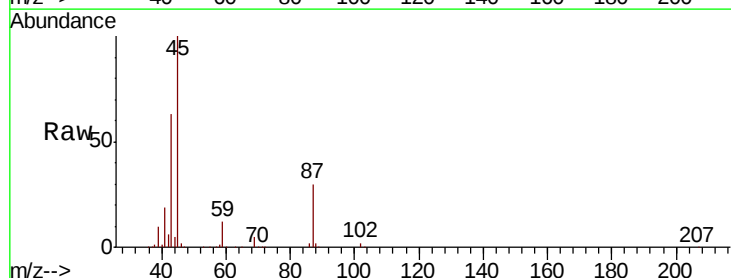
Ion Ratio Lower Upper

45 100

43 61.2 47.9 71.9

87 29.8 24.0 36.0

59 11.6 9.7 14.5



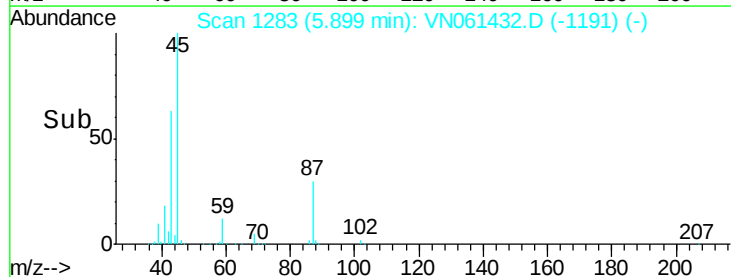
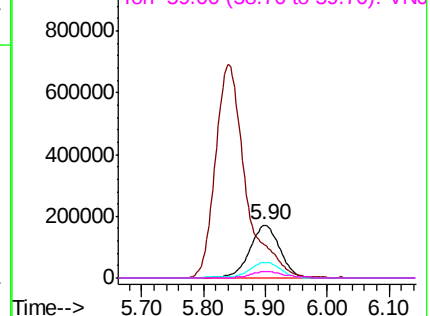
Abundance

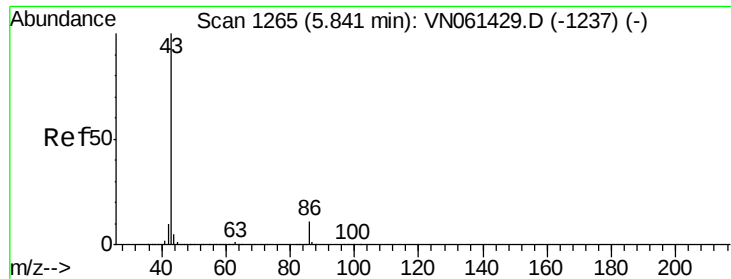
Ion 45.00 (44.70 to 45.70): VN0

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: 237.085 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

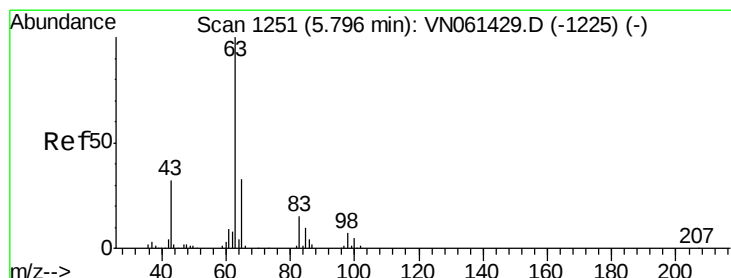
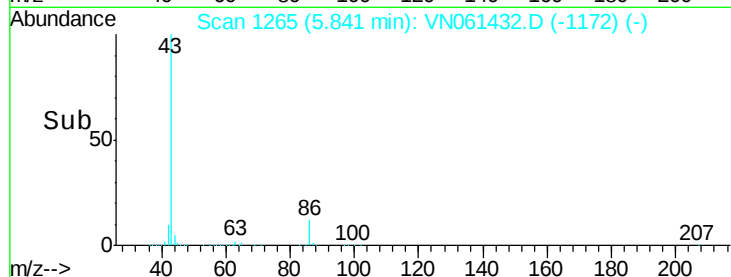
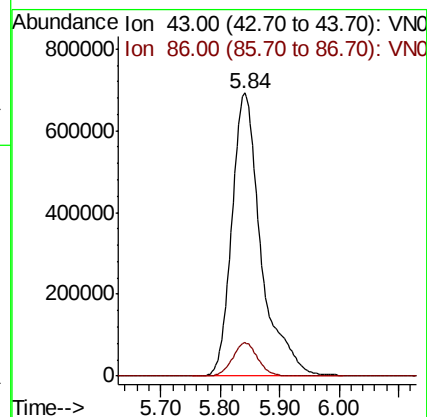
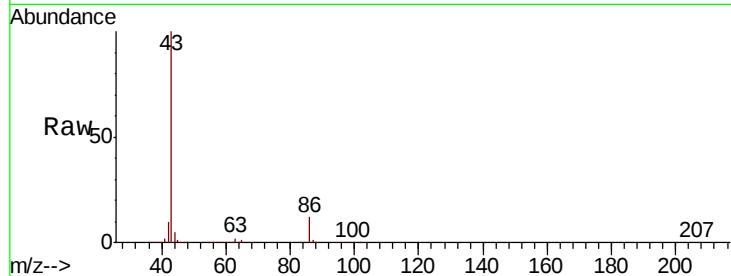
ClientSampleId :

Tot Ion: 43 Resp: 2356135

Ion Ratio Lower Upper

43 100

86 11.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 46.408 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

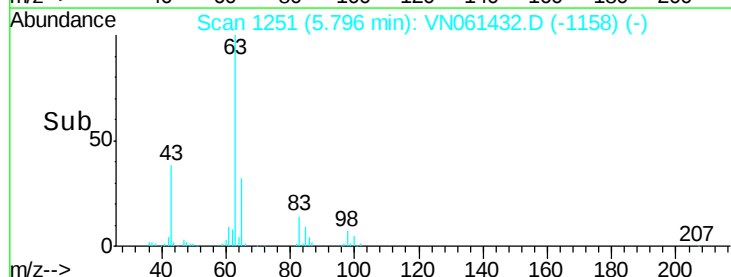
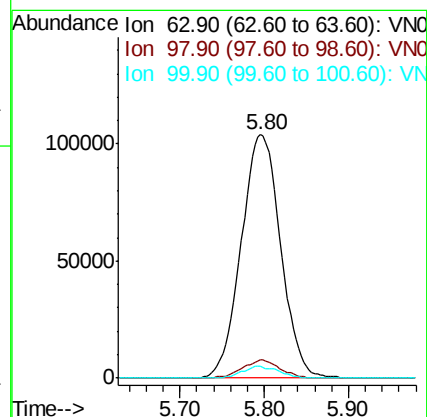
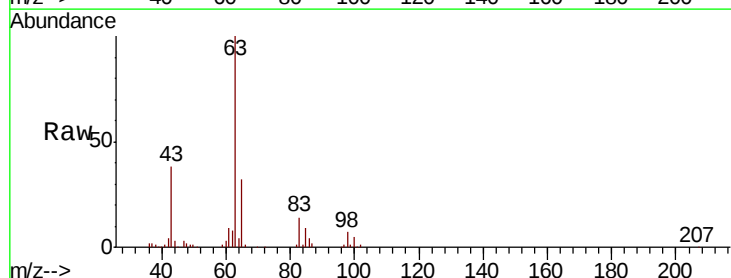
Tgt Ion: 63 Resp: 338281

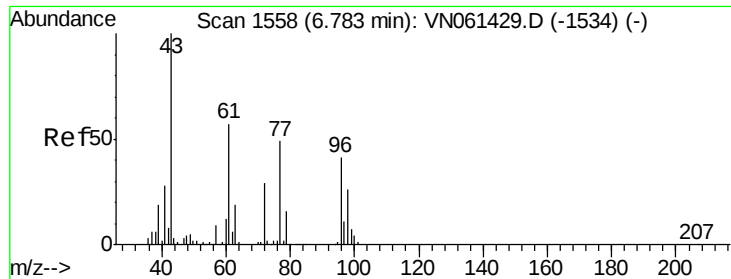
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 228.831 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

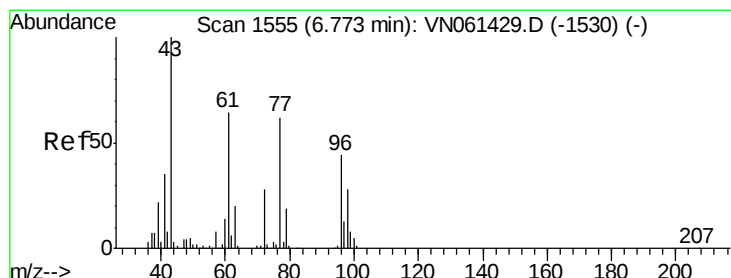
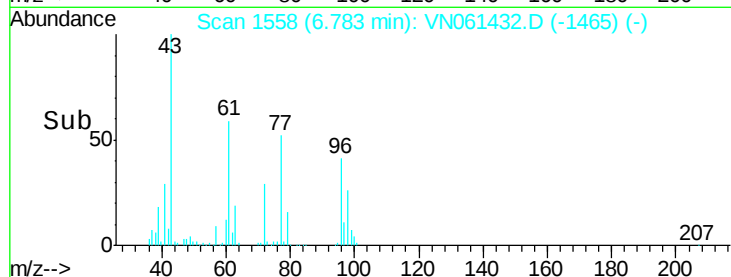
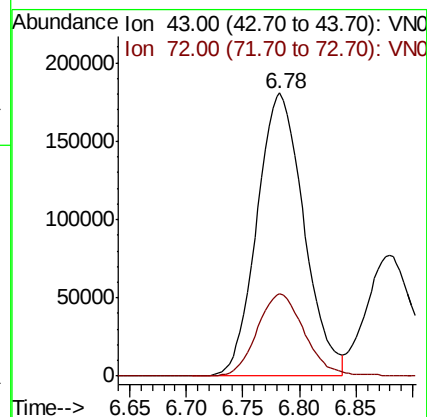
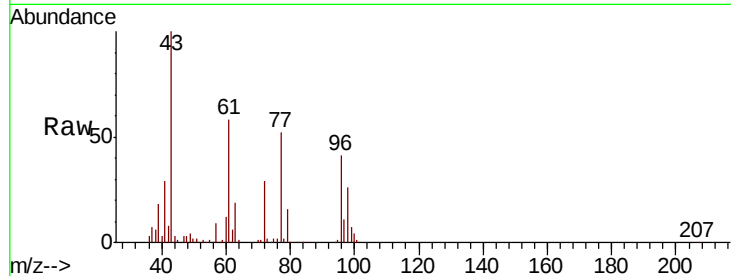
ClientSampleId :

Tot Ion: 43 Resp: 518405

Ion Ratio Lower Upper

43 100

72 29.1 23.0 34.6



#26

2,2-Dichloropropane

Concen: 46.805 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061432.D

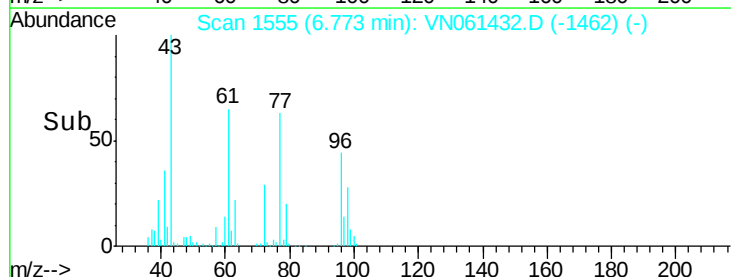
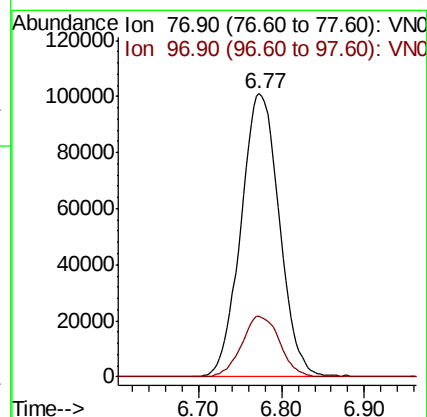
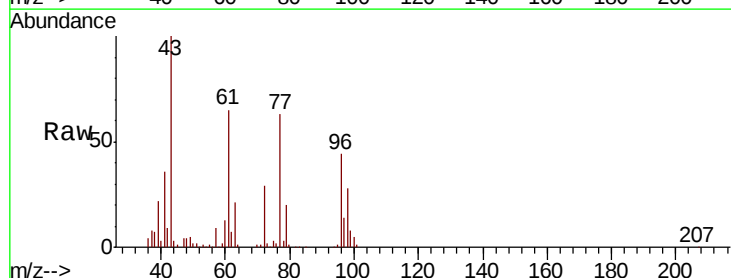
Acq: 18 May 2020 14:06

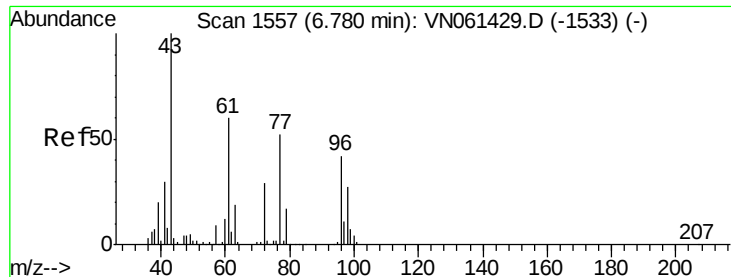
Tgt Ion: 77 Resp: 325240

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 46.824 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :

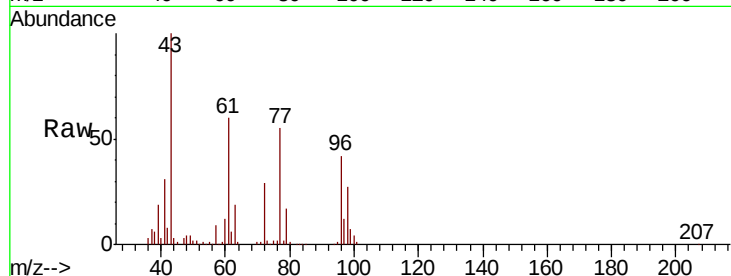
Tot Ion: 96 Resp: 217949

Ion Ratio Lower Upper

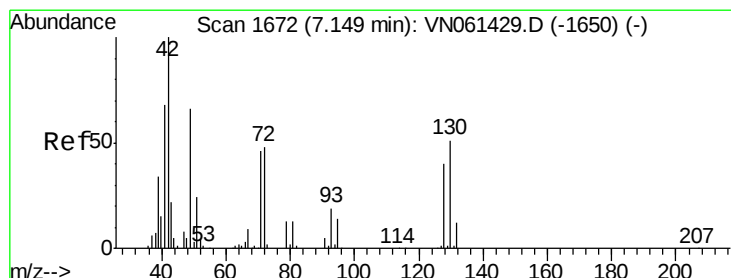
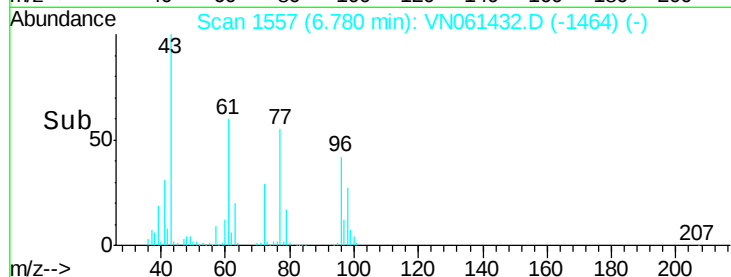
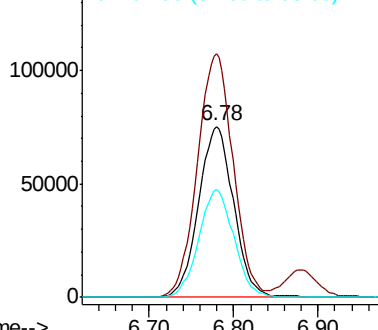
96 100

61 145.5 0.0 294.2

98 63.2 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.791 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

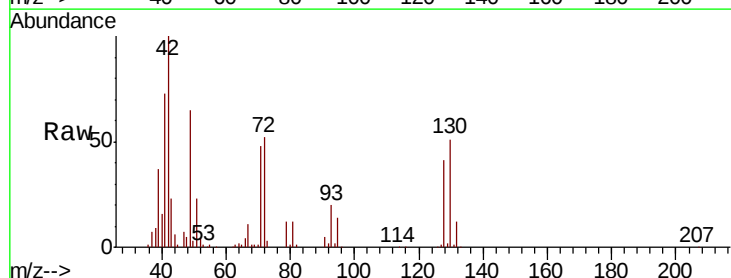
Tgt Ion: 49 Resp: 150961

Ion Ratio Lower Upper

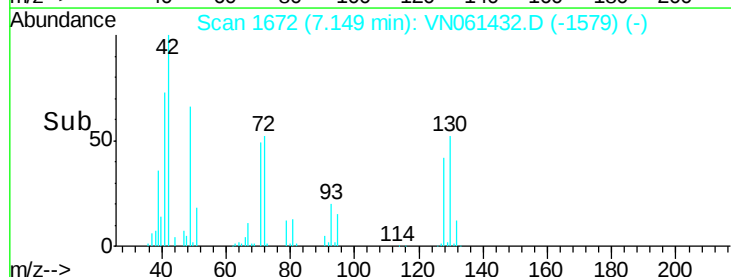
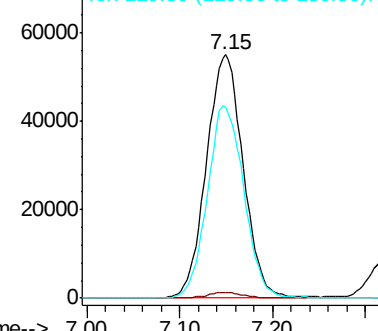
49 100

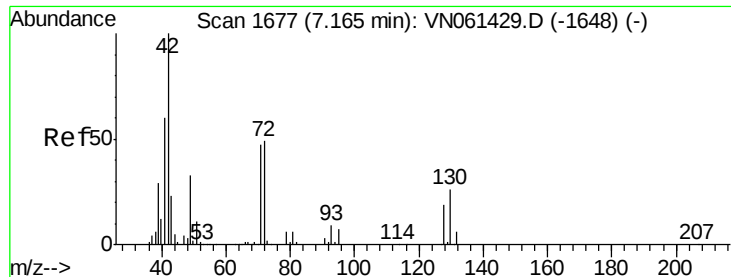
129 2.1 0.0 4.6

130 78.6 62.2 93.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

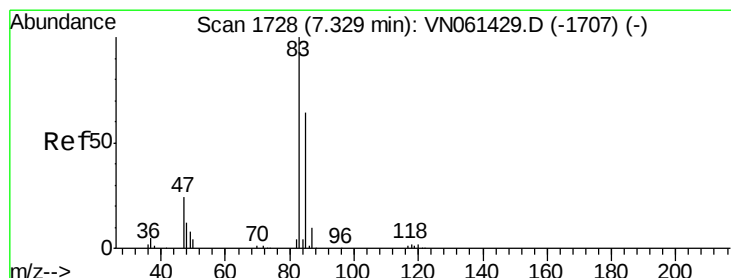
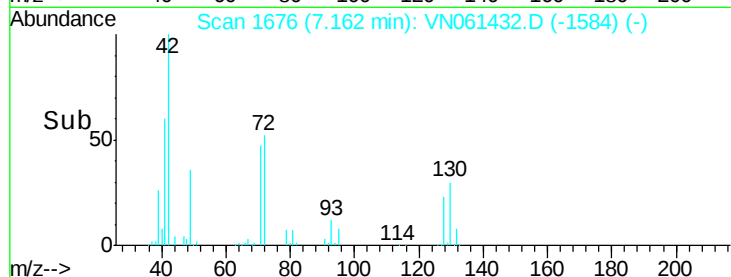
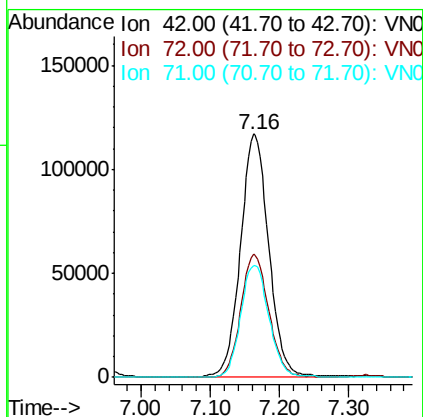
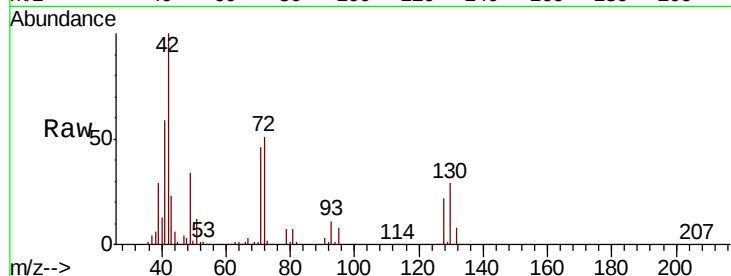




#29
Tetrahydrofuran
Concen: 220.831 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

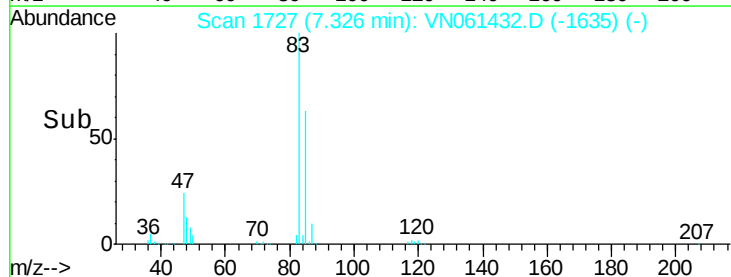
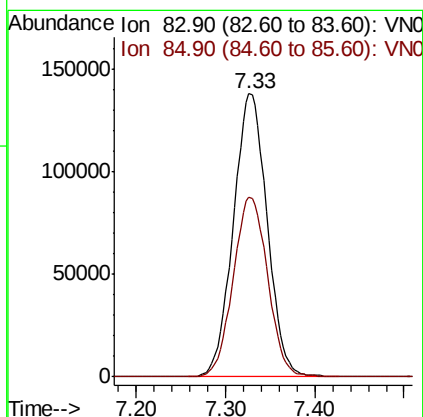
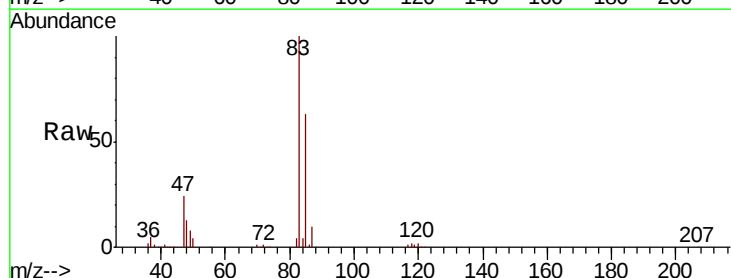
Instrument :
MSVOA_N
ClientSampled :

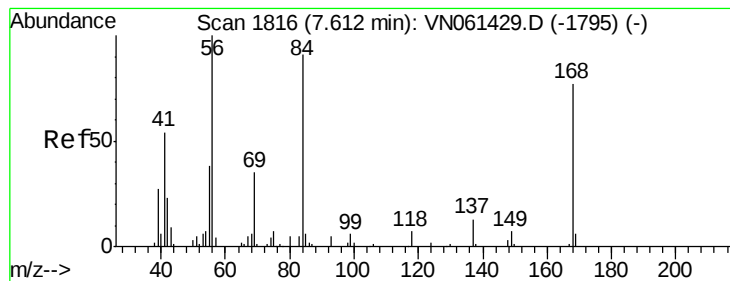
Tot Ion: 42 Resp: 331322
Ion Ratio Lower Upper
42 100
72 50.1 39.0 58.6
71 46.2 36.9 55.3



#30
Chloroform
Concen: 47.714 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 83 Resp: 363265
Ion Ratio Lower Upper
83 100
85 63.5 51.0 76.4





#31

Cyclohexane

Concen: 47.781 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :

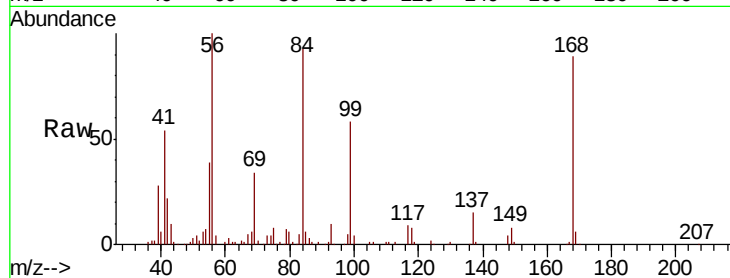
Tot Ion: 56 Resp: 307397

Ion Ratio Lower Upper

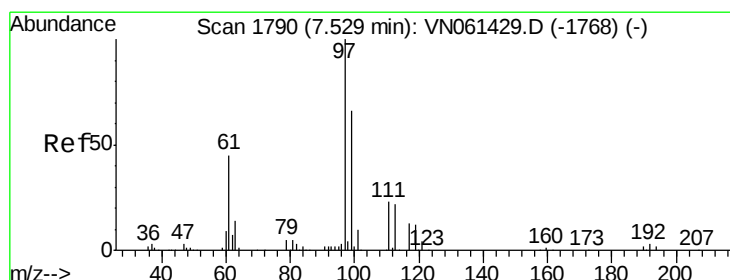
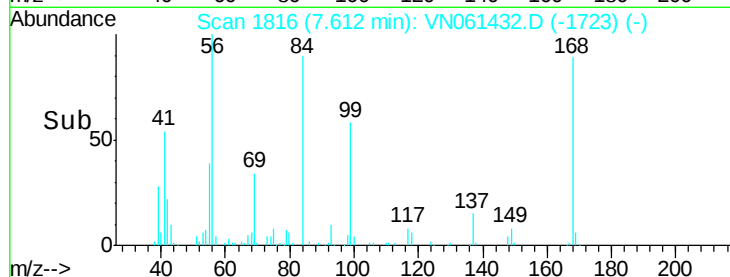
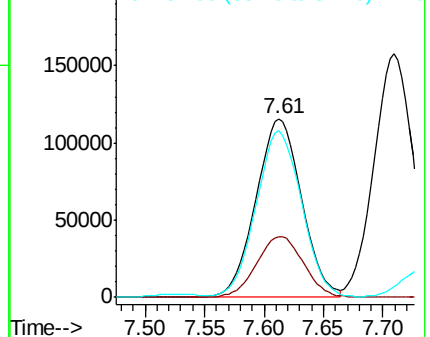
56 100

69 34.3 27.8 41.6

84 91.7 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: 47.229 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

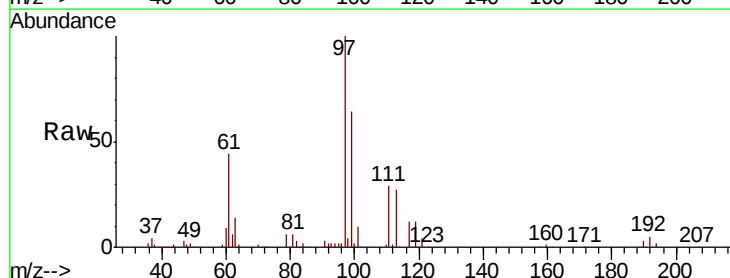
Tgt Ion: 97 Resp: 328575

Ion Ratio Lower Upper

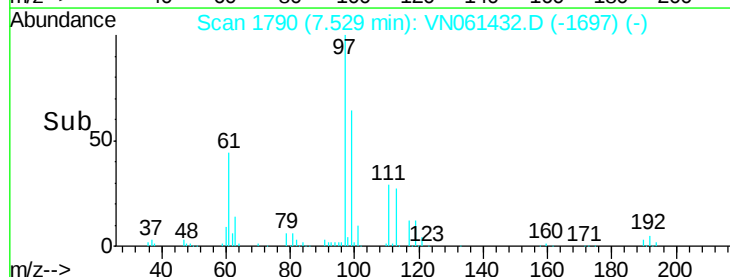
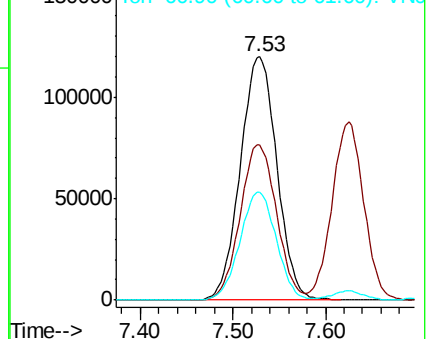
97 100

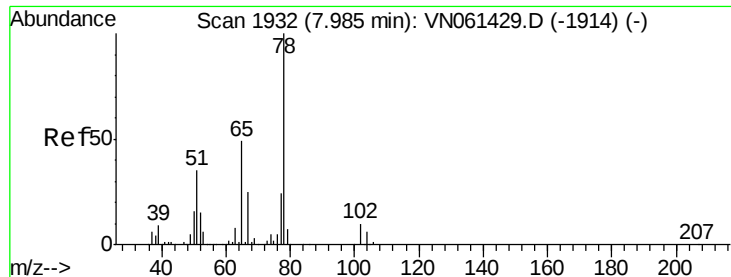
99 63.6 51.5 77.3

61 44.1 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: 48.309 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

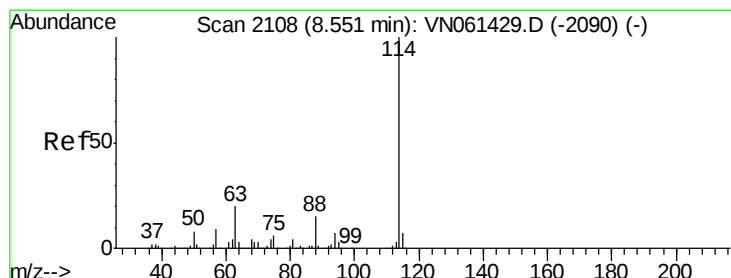
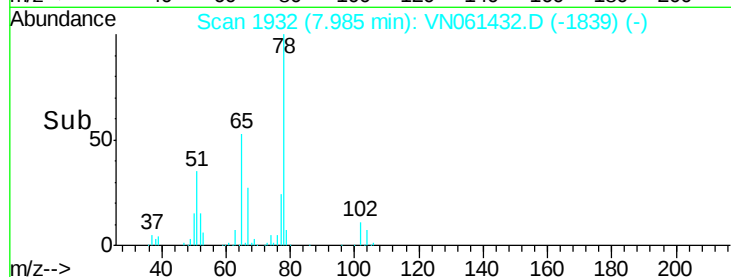
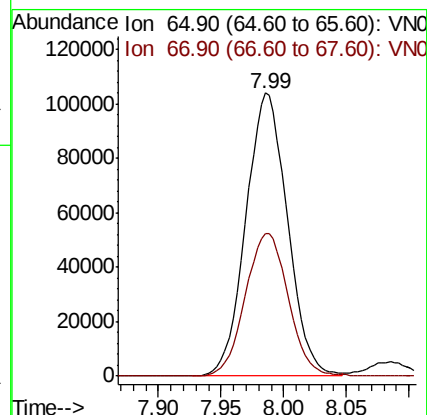
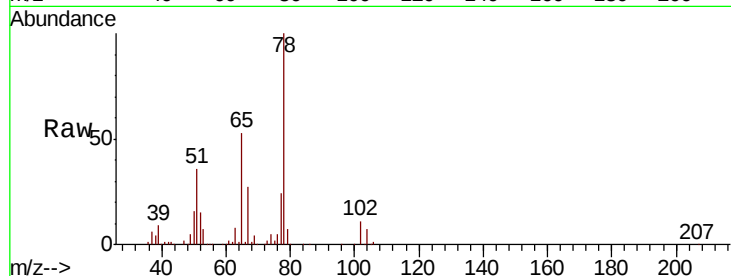
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 240370

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

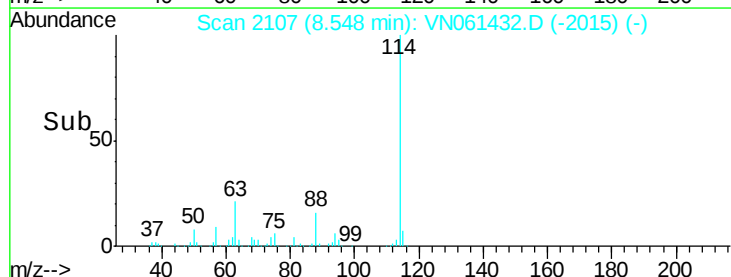
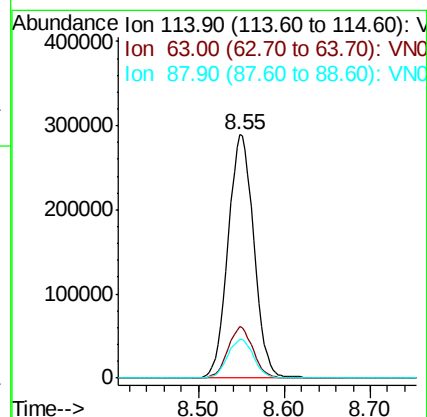
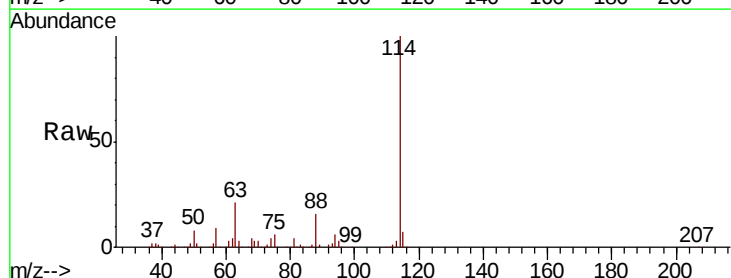
Tgt Ion: 114 Resp: 603431

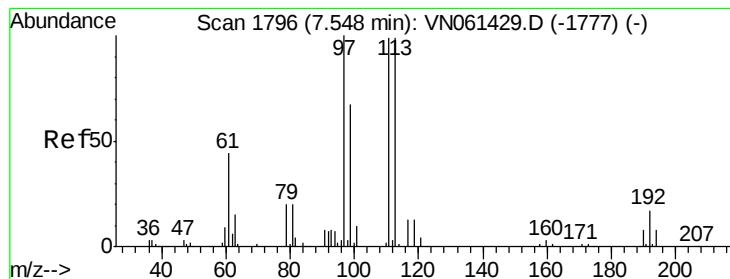
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.938 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampled :

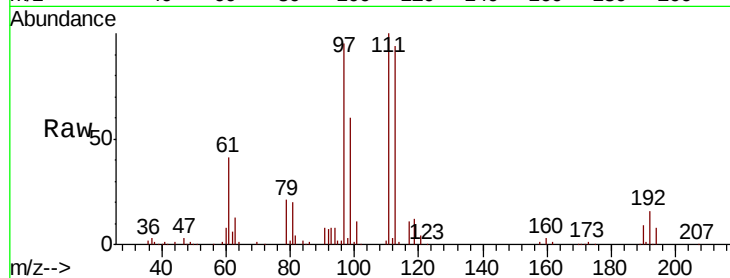
Tot Ion:113 Resp: 161027

Ion Ratio Lower Upper

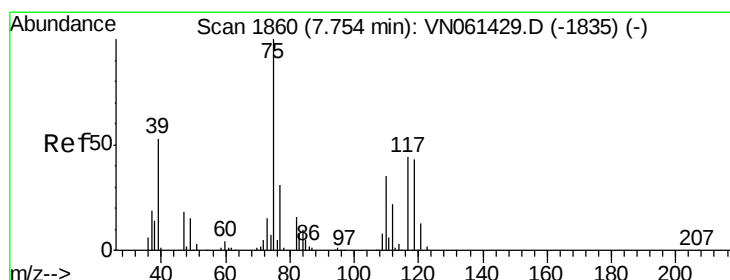
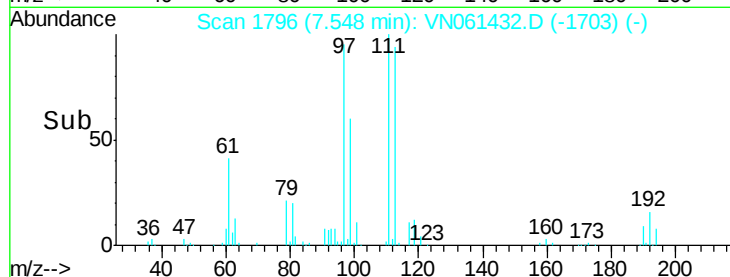
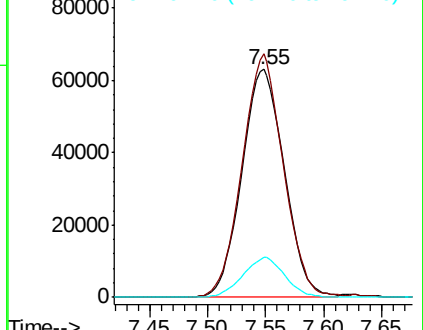
113 100

111 103.3 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: 48.385 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

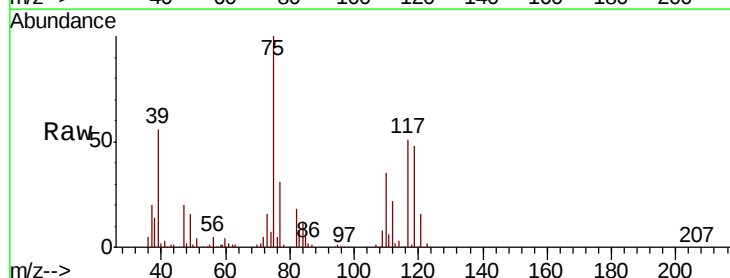
Tgt Ion: 75 Resp: 273009

Ion Ratio Lower Upper

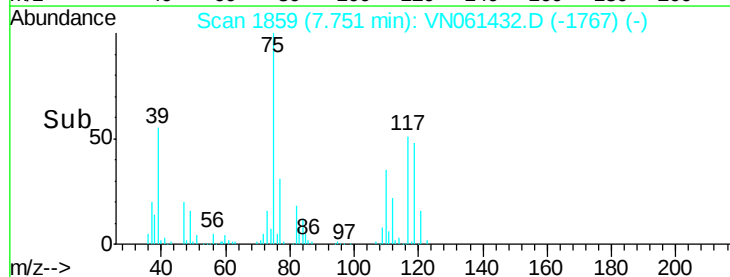
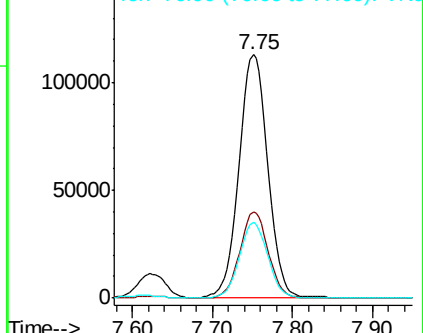
75 100

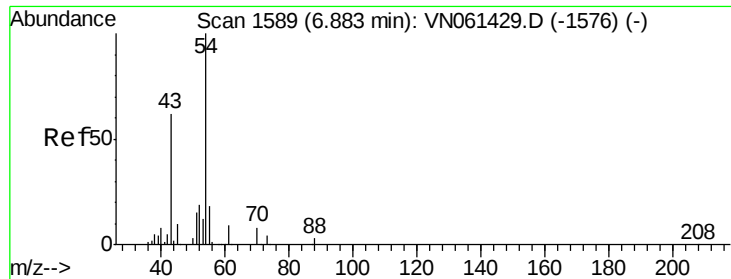
110 34.9 17.3 51.9

77 30.6 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

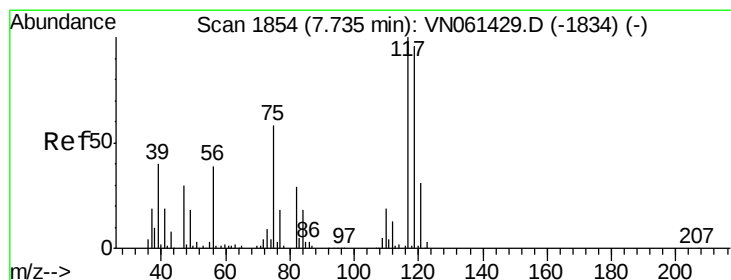
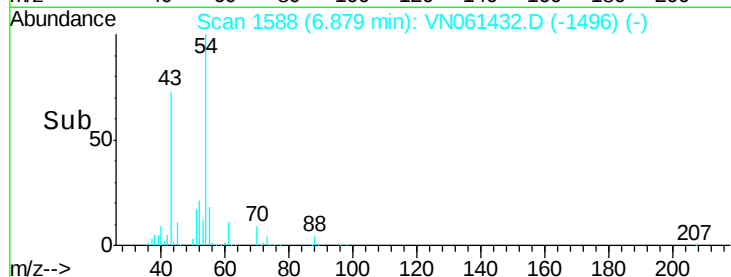
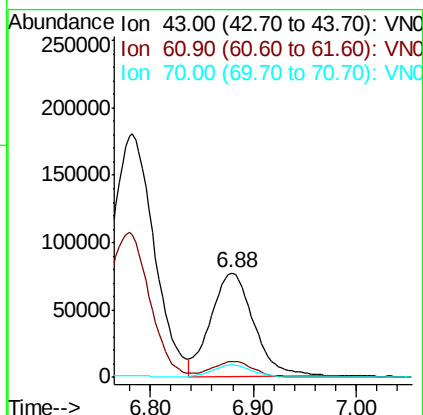
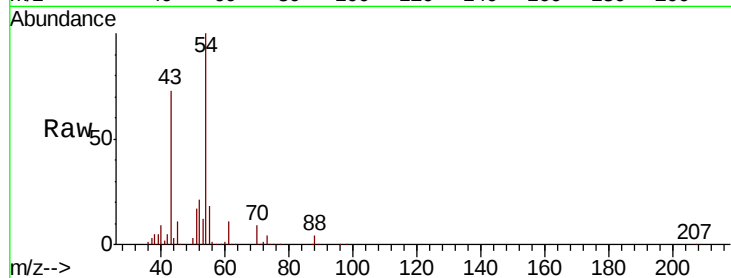




#37
Ethyl Acetate
Concen: 43.555 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

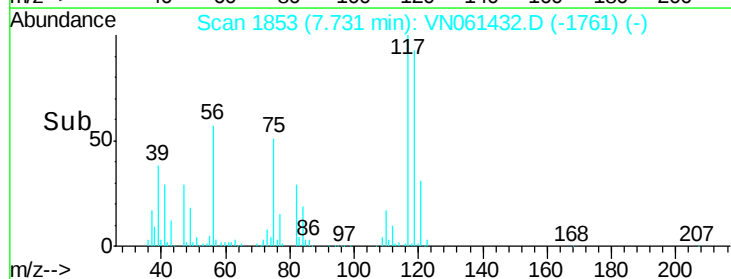
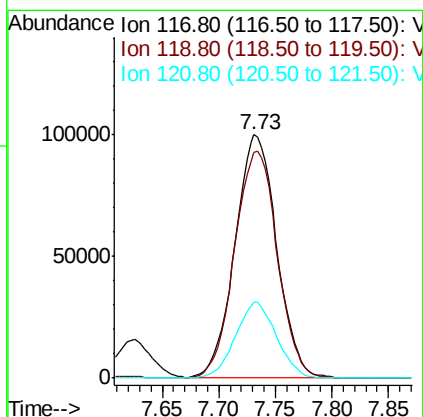
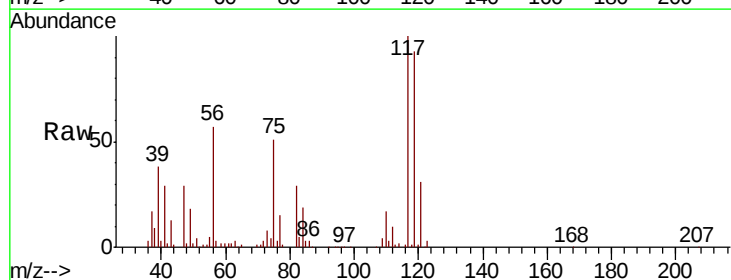
Instrument :
MSVOA_N
ClientSampled :

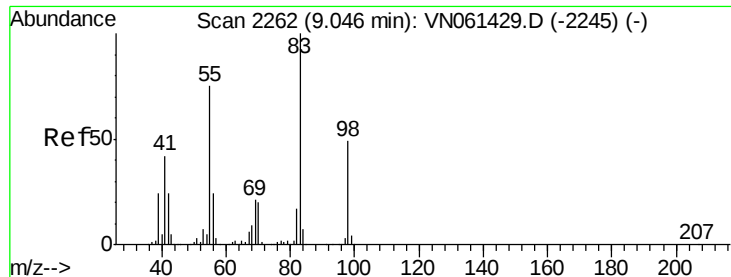
Tot Ion: 43 Resp: 222872
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 11.4 9.2 13.8



#38
Carbon Tetrachloride
Concen: 49.163 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 117 Resp: 255424
Ion Ratio Lower Upper
117 100
119 92.6 77.0 115.6
121 31.3 24.7 37.1

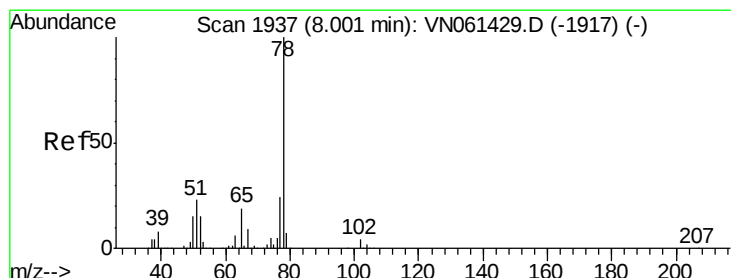
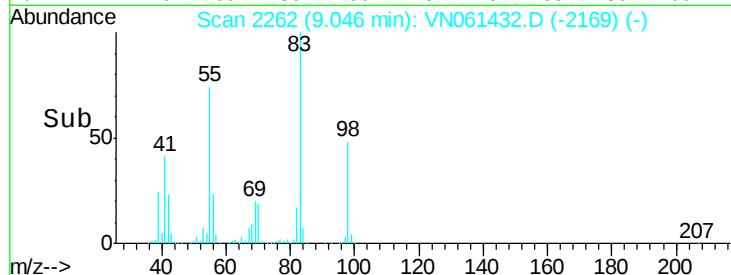
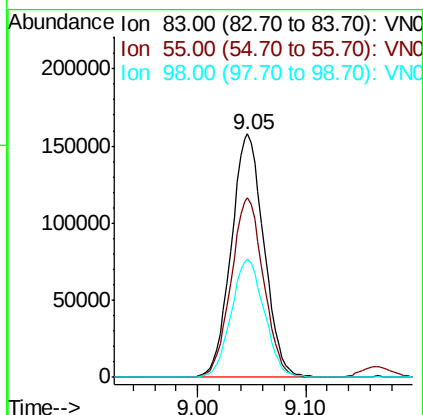
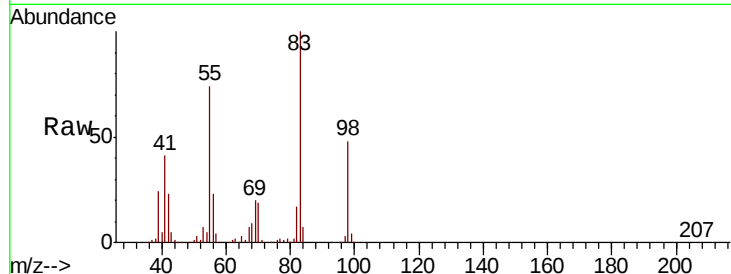




#39
Methvlcvclohexane
Concen: 48.327 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

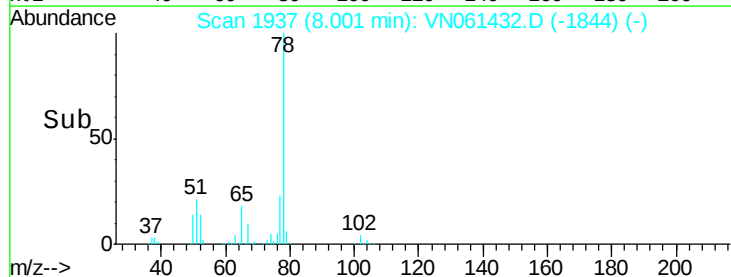
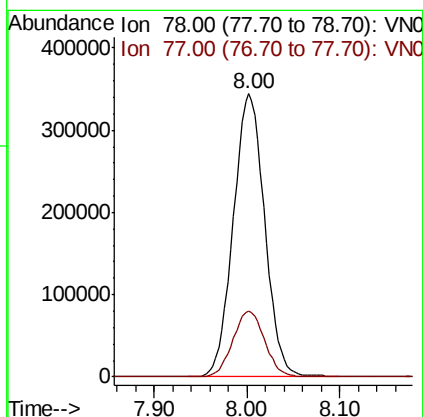
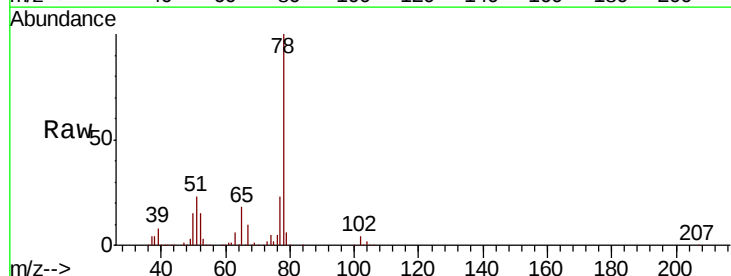
Instrument :
MSVOA_N
ClientSampled :

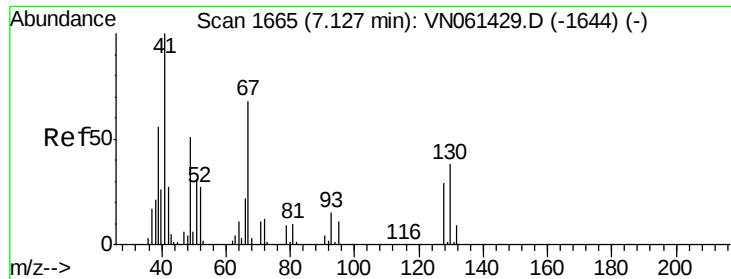
Tot Ion	83	Resp	333048
Ion Ratio	Lower	Upper	
83	100		
55	73.7	59.7	89.5
98	48.4	38.9	58.3



#40
Benzene
Concen: 47.592 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	78	Resp	809245
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.1	28.7

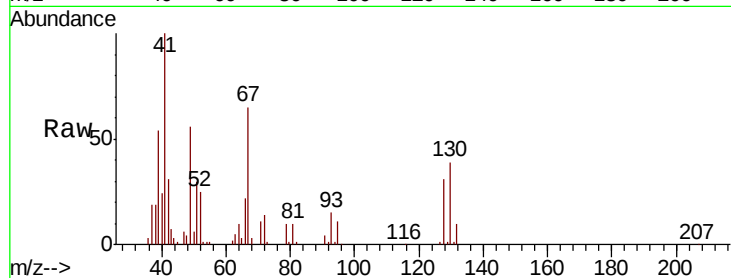




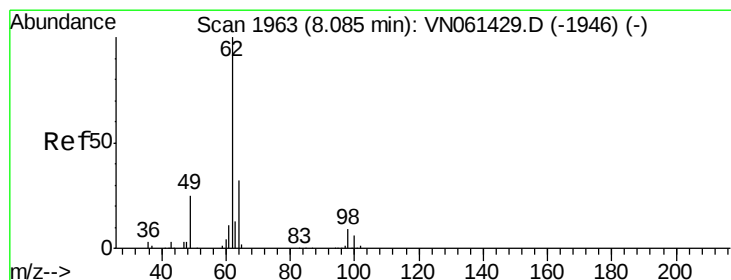
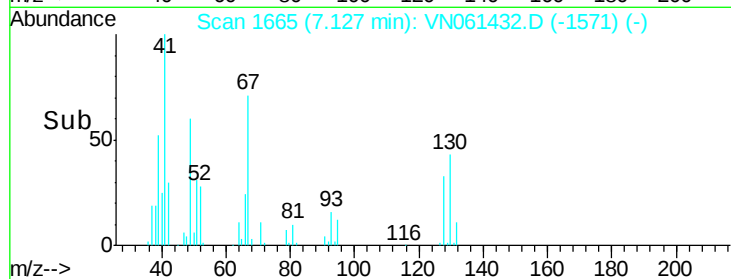
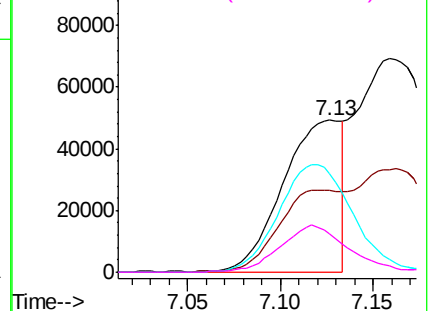
#41
Methacrylonitrile
Concen: 49.947 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 107948
Ion Ratio Lower Upper
41 100
39 56.4 48.3 72.5
67 90.5 74.2 111.4
52 36.5 30.8 46.2

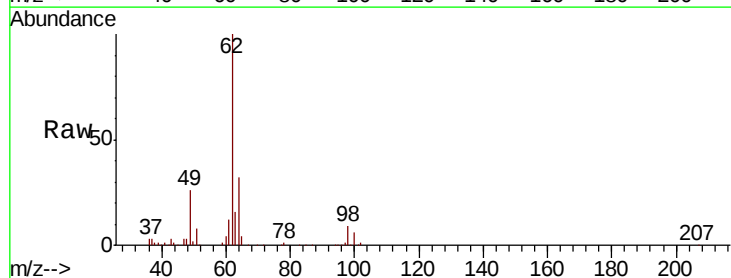


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

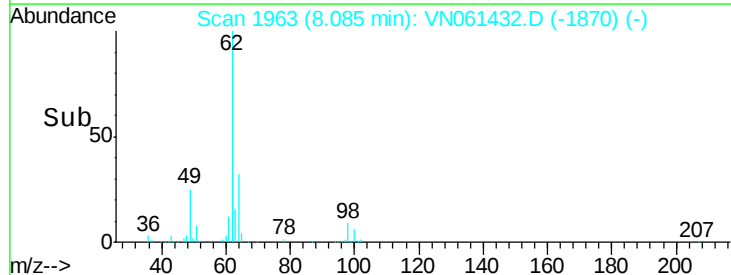
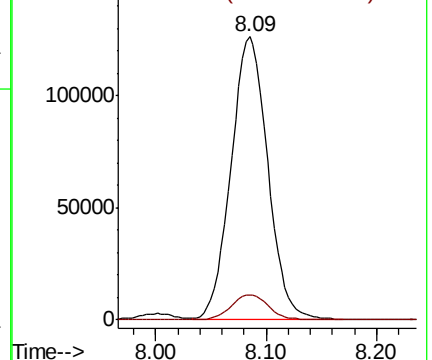


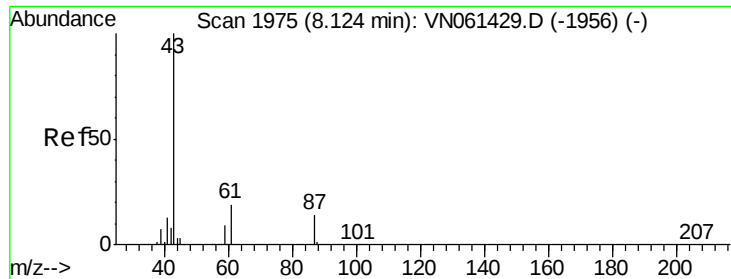
#42
1,2-Dichloroethane
Concen: 47.363 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 62 Resp: 290153
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

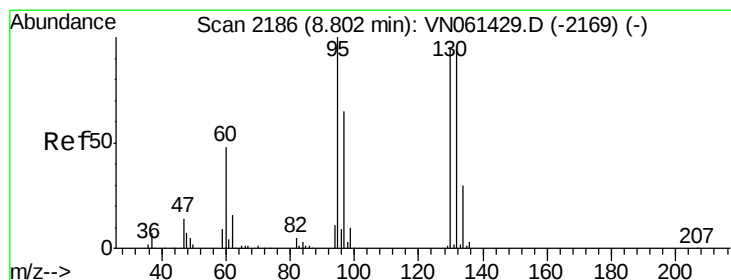
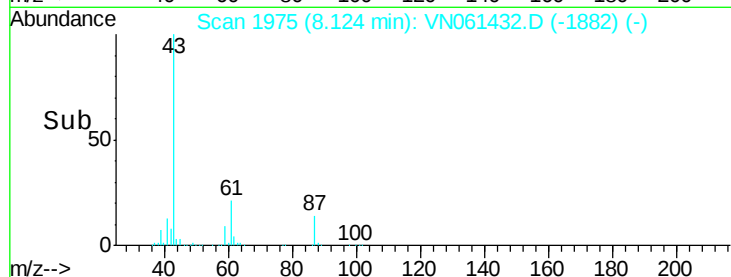
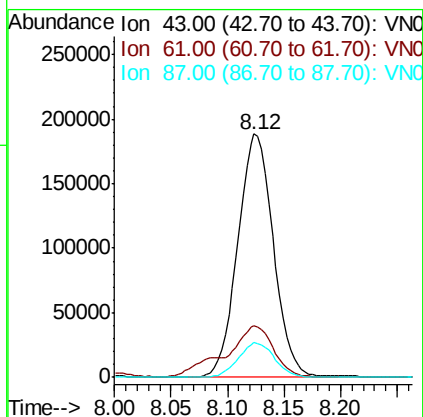
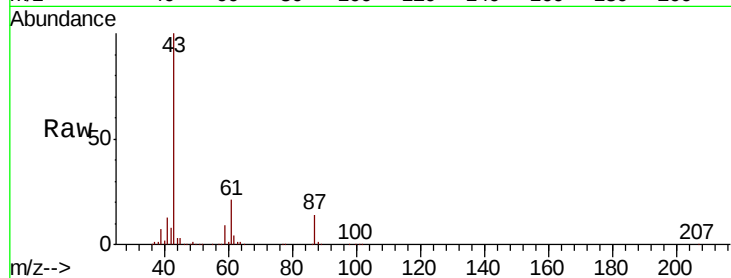




#43
Isopropyl Acetate
Concen: 46.145 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

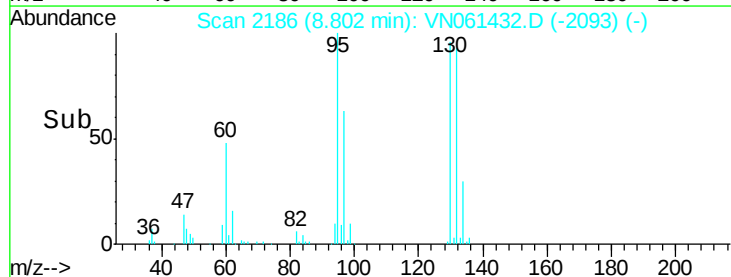
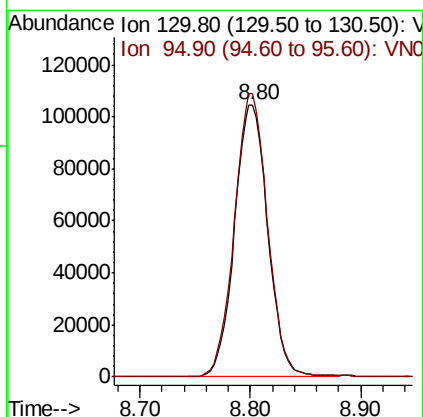
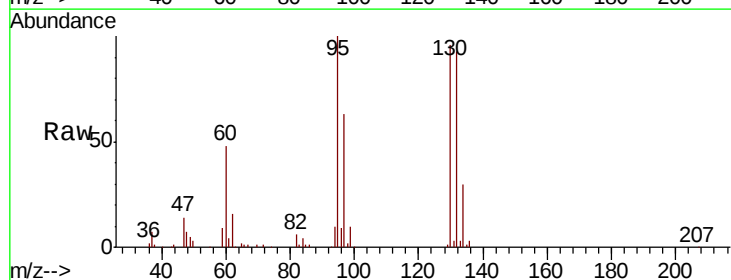
Instrument :
MSVOA_N
ClientSampleId :

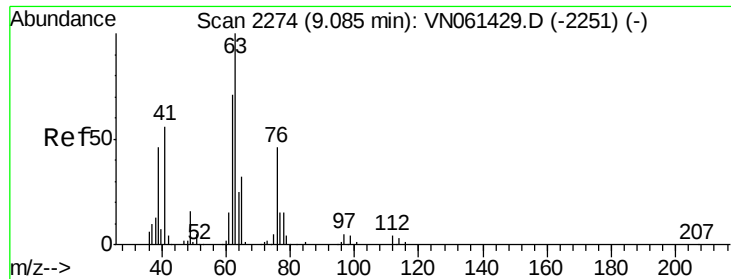
Tot Ion: 43 Resp: 411828
Ion Ratio Lower Upper
43 100
61 28.3 23.0 34.4
87 14.5 11.6 17.4



#44
Trichloroethene
Concen: 49.024 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 130 Resp: 218421
Ion Ratio Lower Upper
130 100
95 103.9 0.0 209.8





#45

1,2-Dichloropropane

Concen: 47.566 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

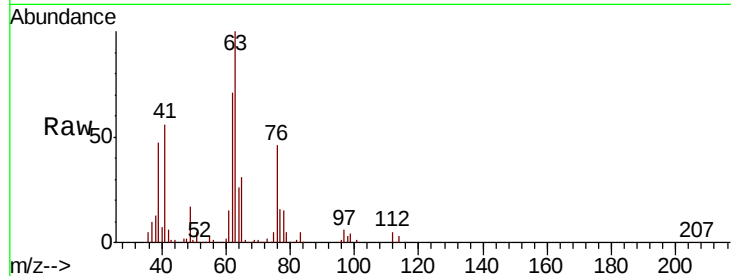
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 202446

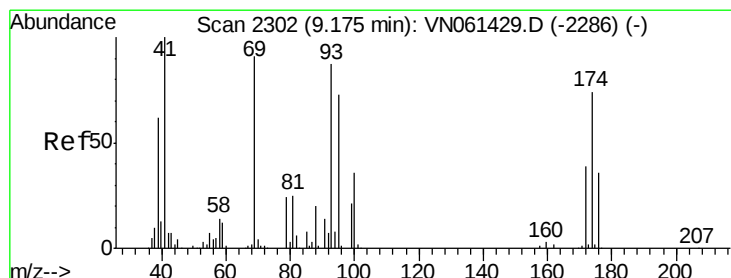
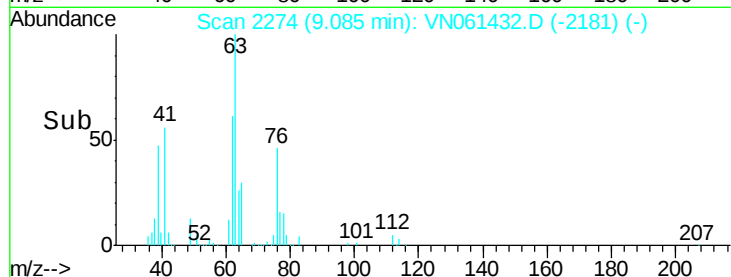
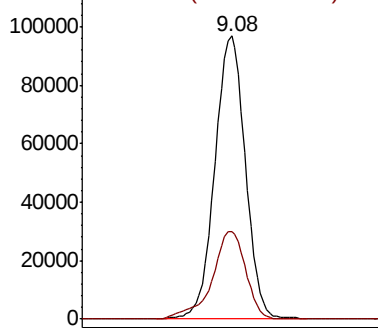
Ion Ratio Lower Upper

63 100

65 31.1 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.994 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

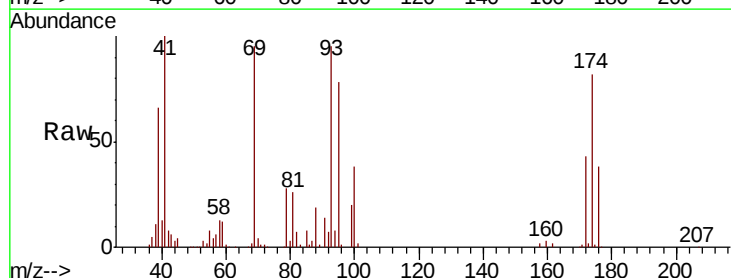
Tgt Ion: 93 Resp: 143197

Ion Ratio Lower Upper

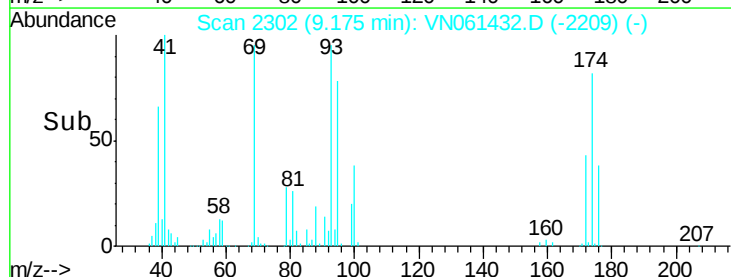
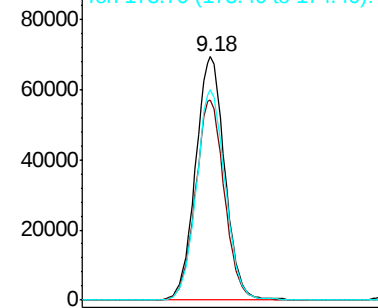
93 100

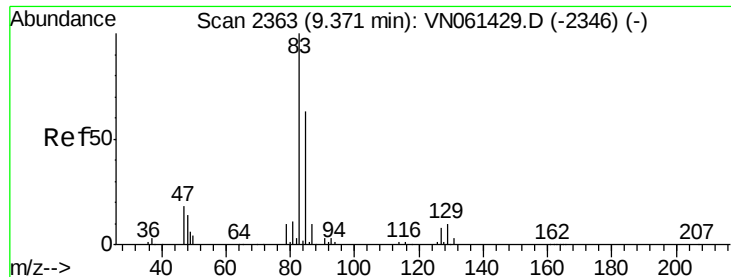
95 81.2 65.6 98.4

174 85.5 68.0 102.0



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.144 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :

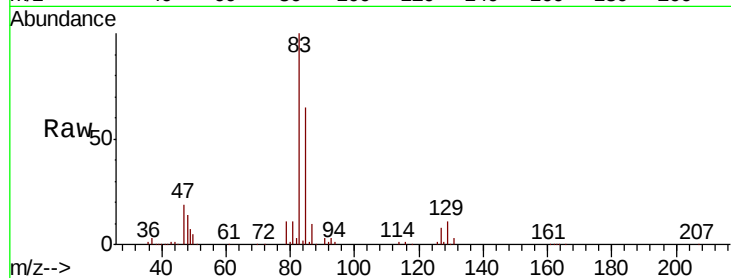
Tot Ion: 83 Resp: 302651

Ion Ratio Lower Upper

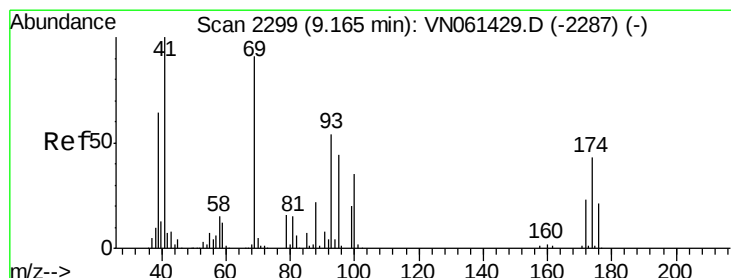
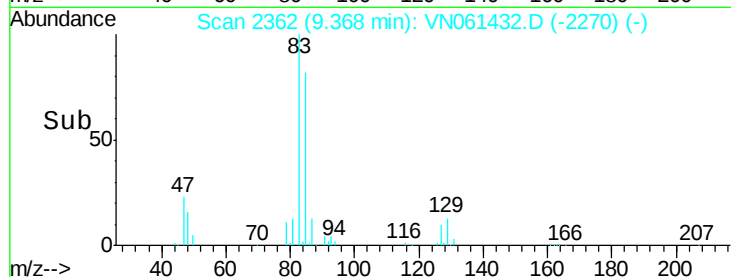
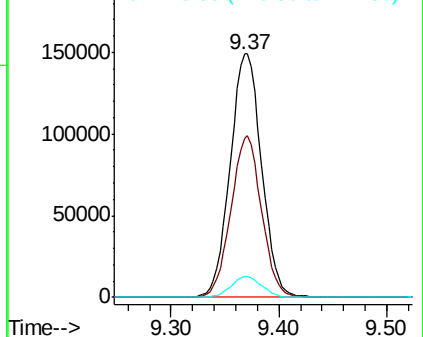
83 100

85 65.5 50.6 76.0

127 8.3 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): VN0



#48

Methyl methacrylate

Concen: 45.055 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

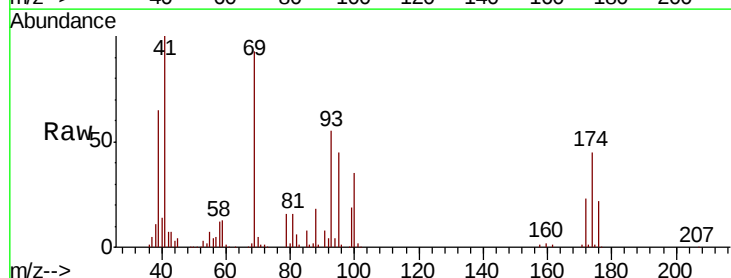
Tgt Ion: 41 Resp: 185753

Ion Ratio Lower Upper

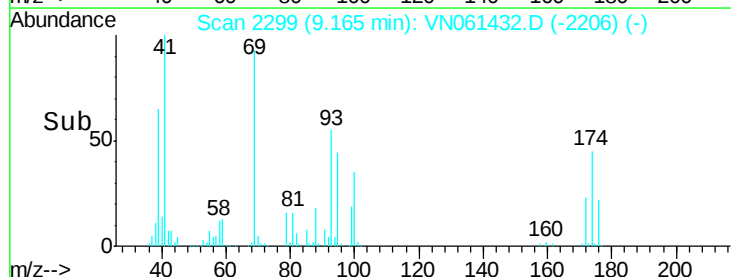
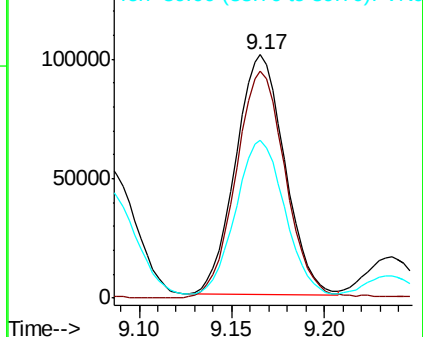
41 100

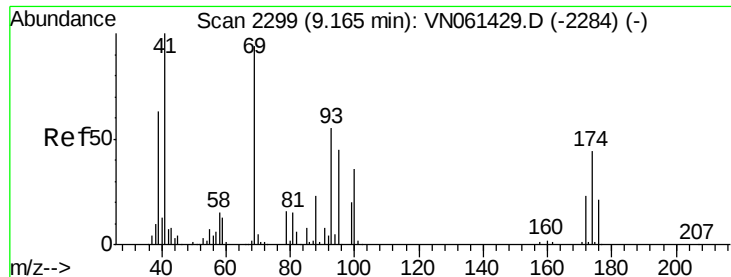
69 95.9 75.3 112.9

39 67.2 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: 871.077 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :

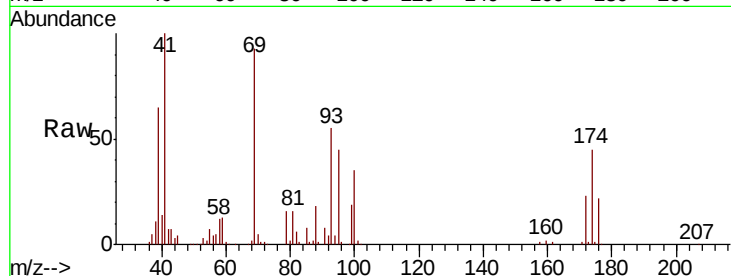
Tot Ion: 88 Resp: 37984

Ion Ratio Lower Upper

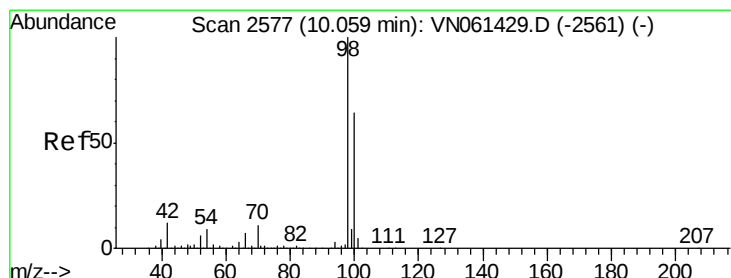
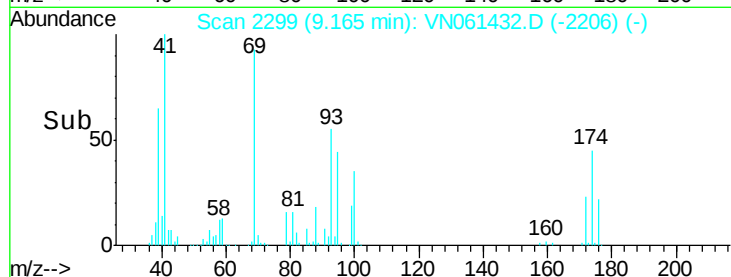
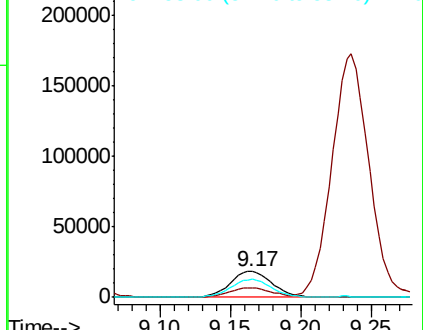
88 100

43 35.8 26.3 39.5

58 68.5 54.1 81.1



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



#50

Toluene-d8

Concen: 50.713 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061432.D

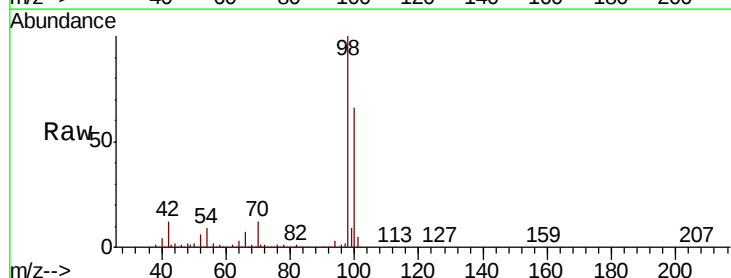
Acq: 18 May 2020 14:06

Tgt Ion: 98 Resp: 743579

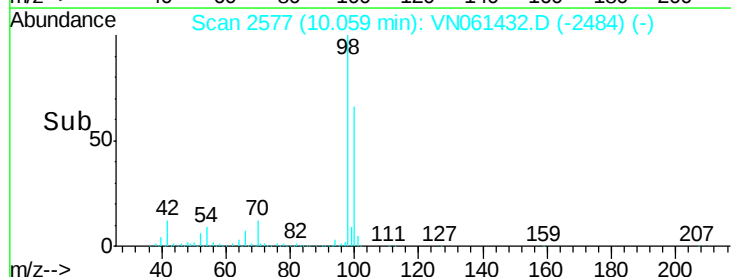
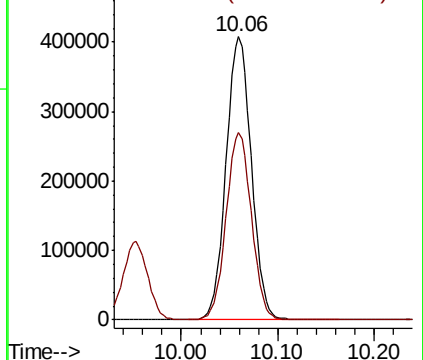
Ion Ratio Lower Upper

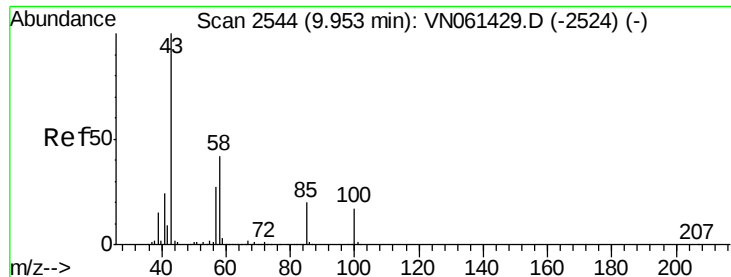
98 100

100 66.2 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 237.037 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

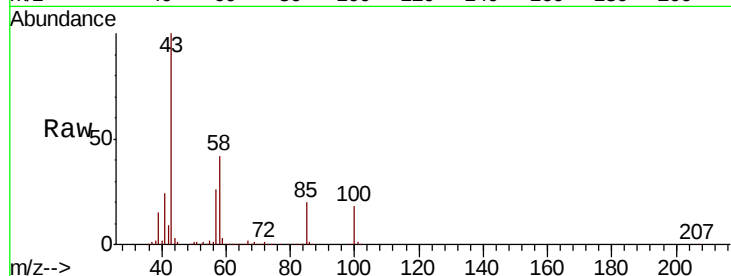
ClientSampled :

Tot Ion: 43 Resp: 1152415

Ion Ratio Lower Upper

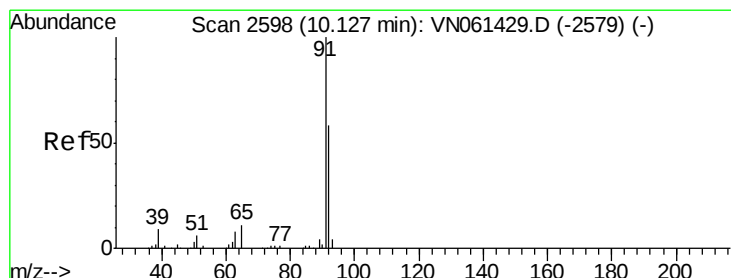
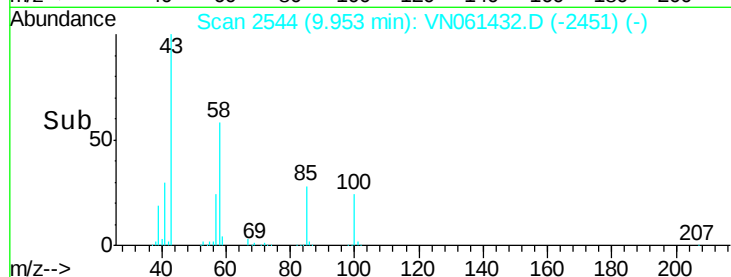
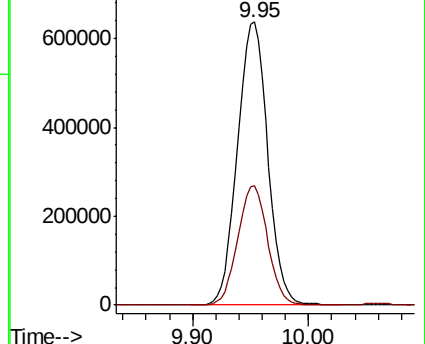
43 100

58 41.8 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) (-)



#52

Toluene

Concen: 48.512 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061432.D

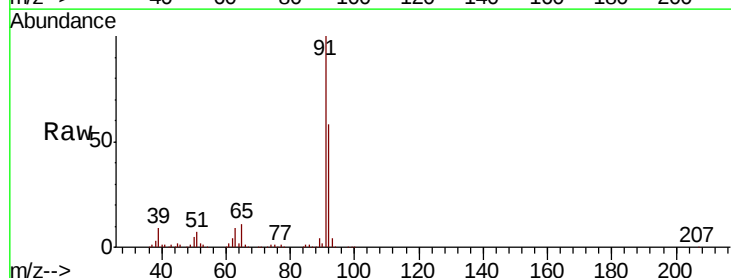
Acq: 18 May 2020 14:06

Tgt Ion: 92 Resp: 529585

Ion Ratio Lower Upper

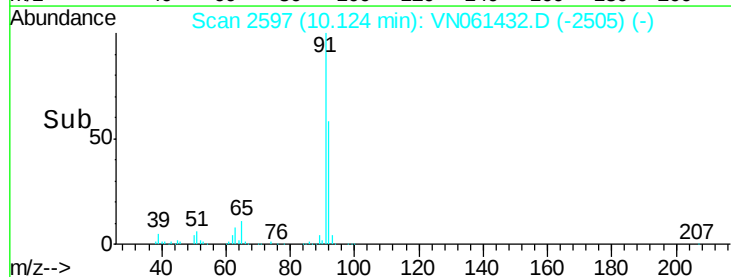
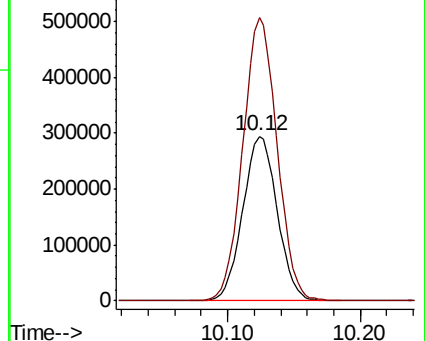
92 100

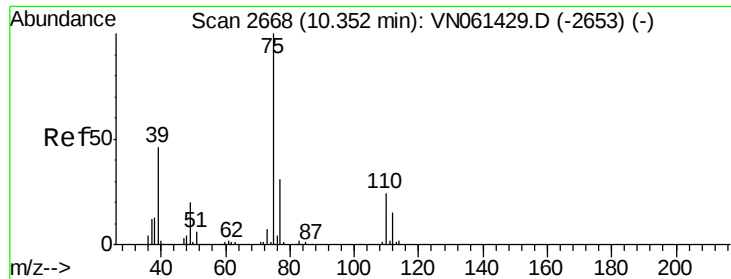
91 171.7 138.0 207.0



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

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





#53

t-1,3-Dichloropropene

Concen: 49.771 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

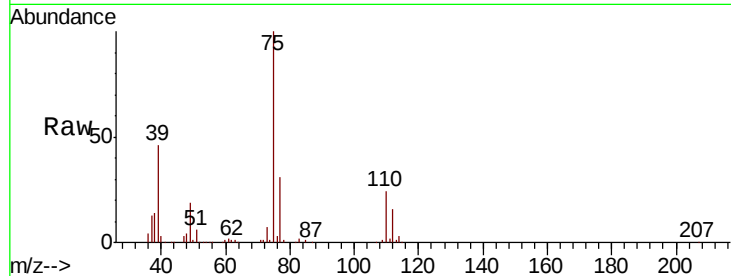
ClientSampleId :

Tot Ion: 75 Resp: 342928

Ion Ratio Lower Upper

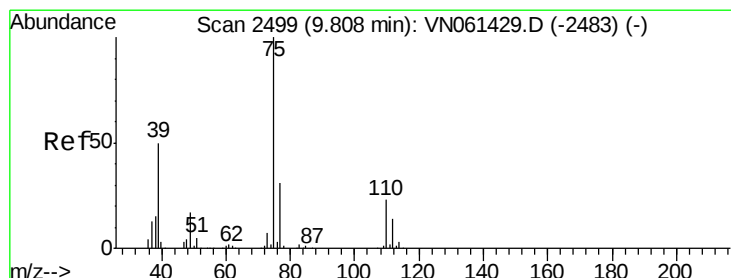
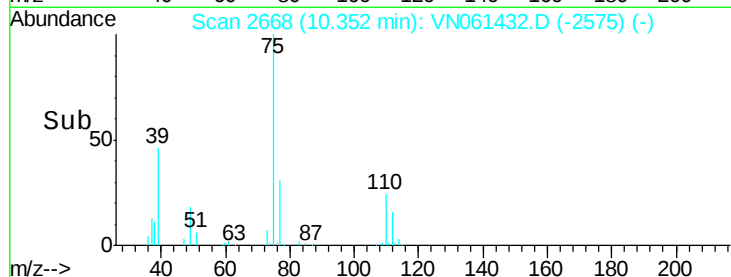
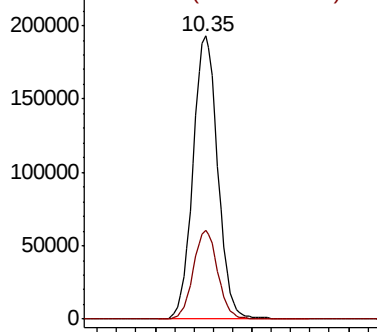
75 100

77 31.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.555 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

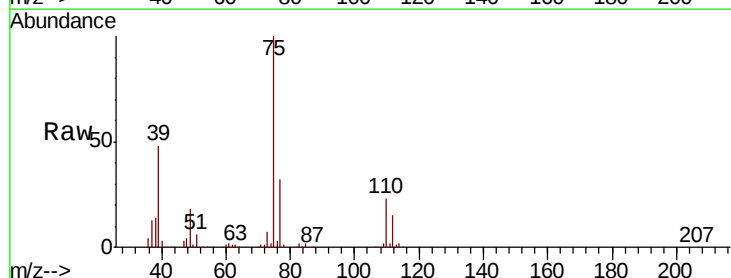
Tgt Ion: 75 Resp: 355636

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

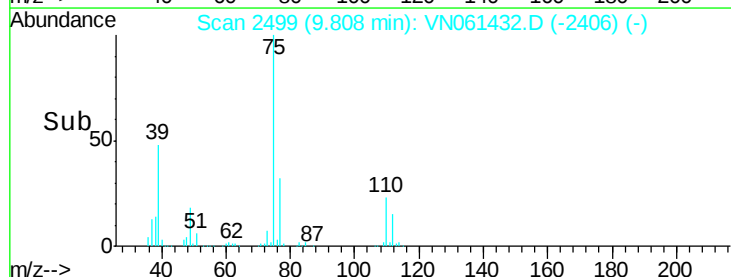
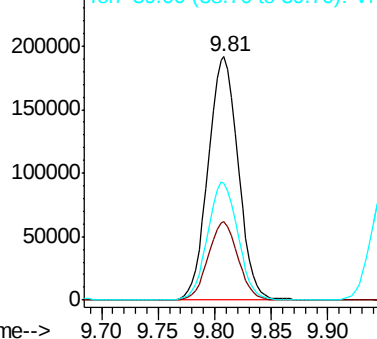
39 48.0 39.8 59.6

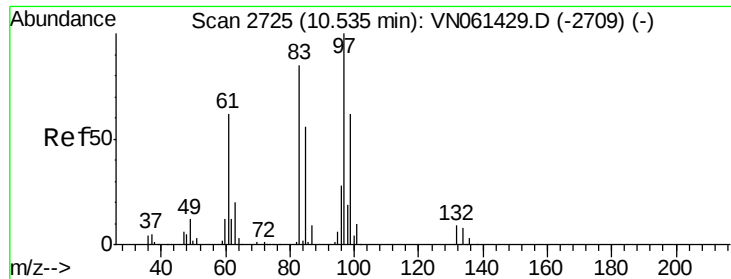


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

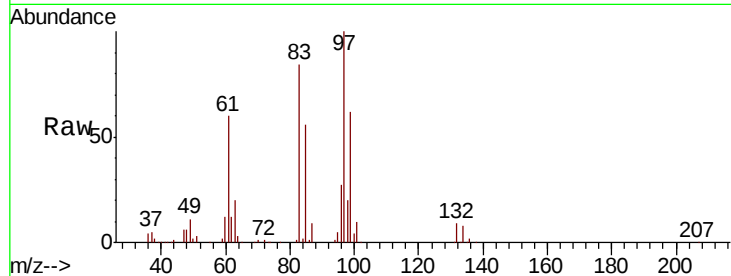




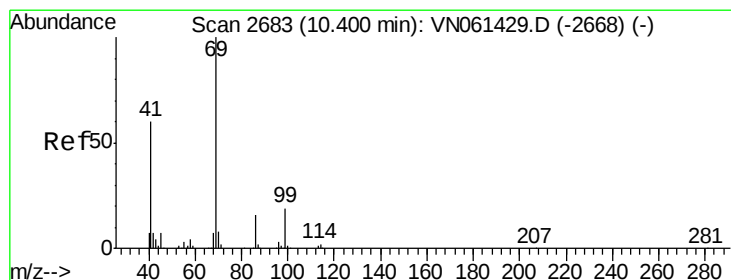
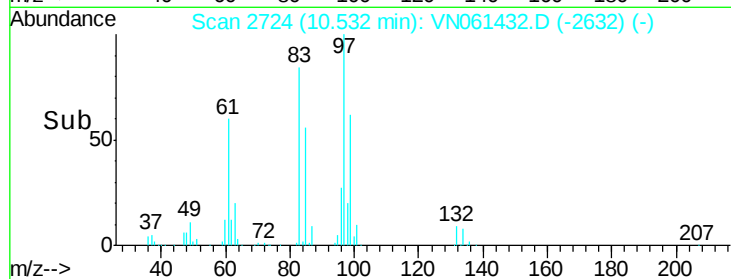
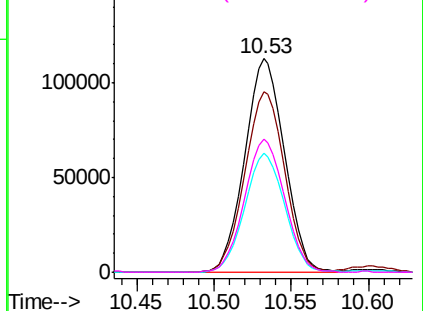
#55
 1,1,2-Trichloroethane
 Concen: 48.882 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	201748
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.2	102.4
85	55.6	44.6	67.0
99	62.3	49.5	74.3

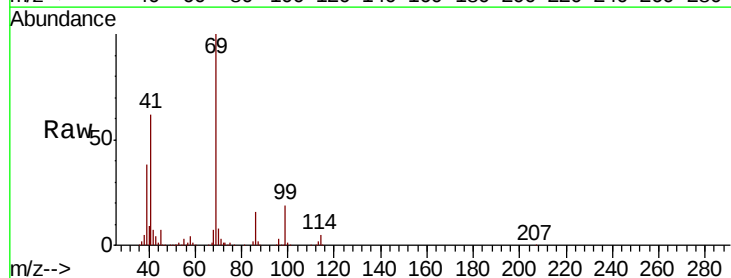


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

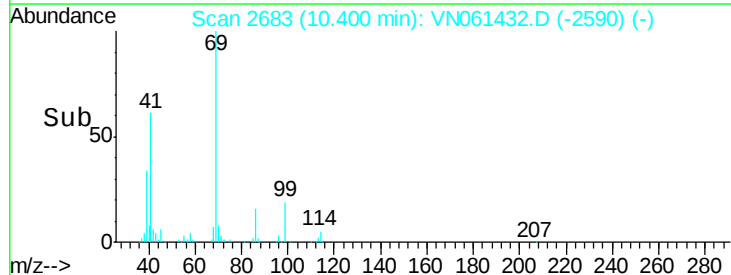
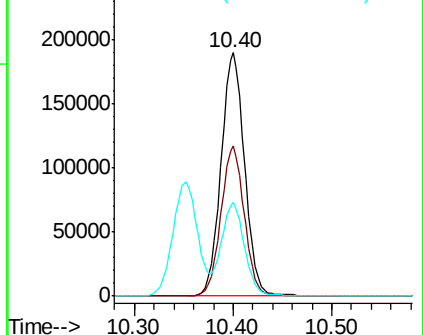


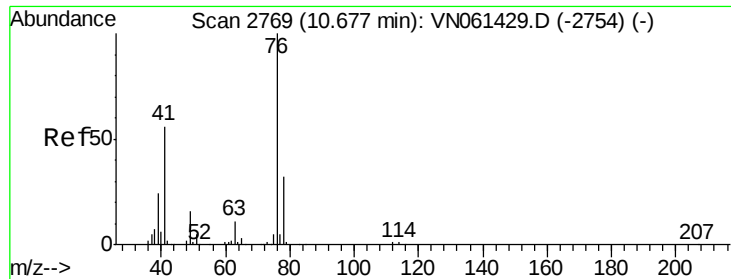
#56
 Ethyl methacrylate
 Concen: 49.279 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion:	69	Resp:	317967
Ion	Ratio	Lower	Upper
69	100		
41	60.5	48.3	72.5
39	37.2	30.2	45.2



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

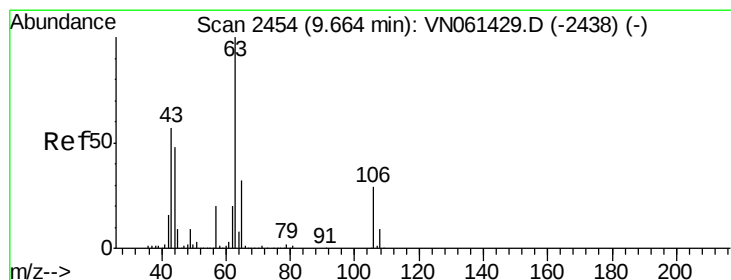
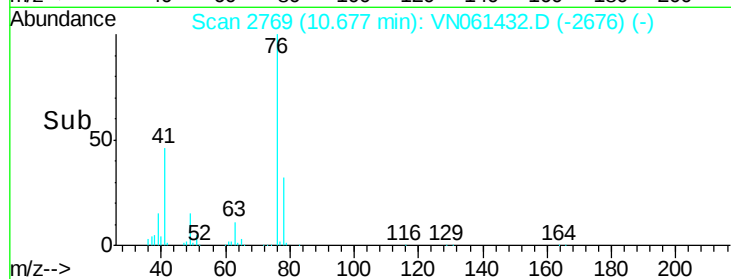
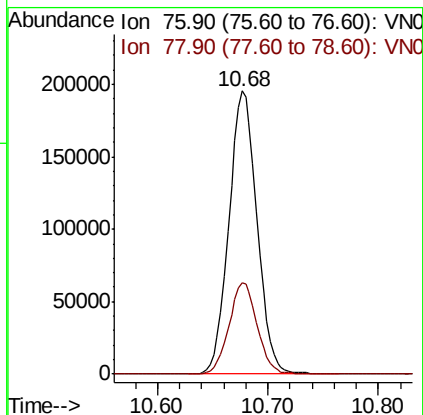
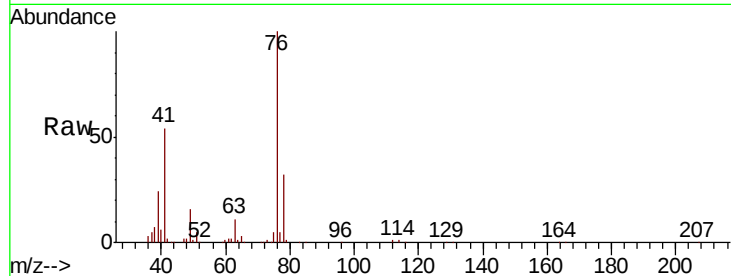




#57
 1,3-Dichloropropane
 Concen: 48.457 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

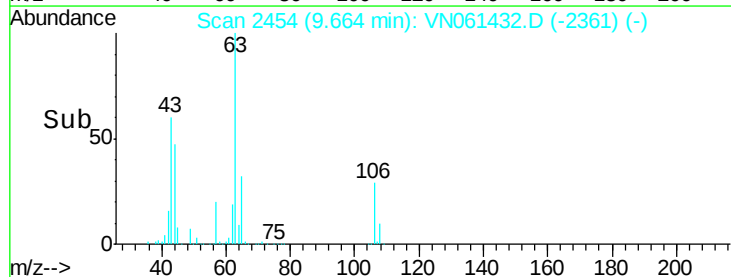
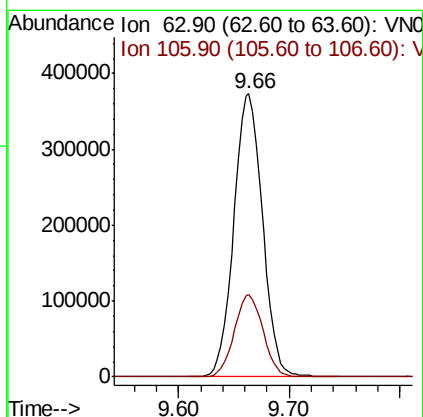
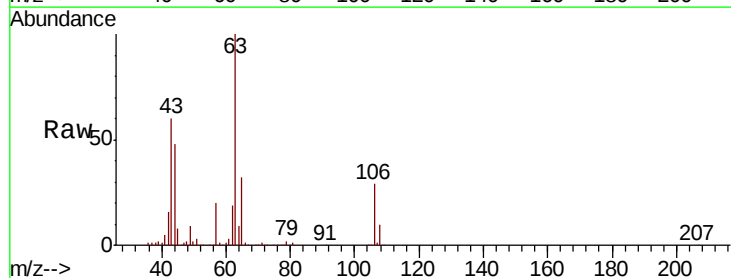
Instrument :
 MSVOA_N
 ClientSampled :

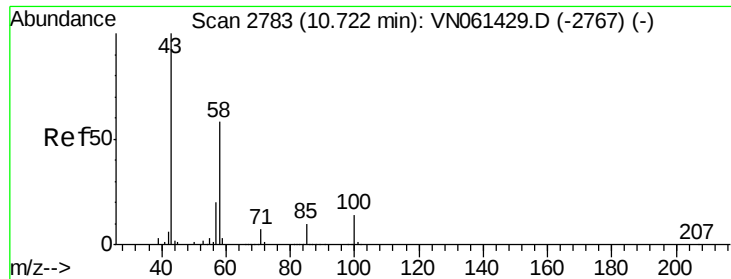
Tot Ion: 76 Resp: 345628
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.162 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion: 63 Resp: 671695
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.7 34.1

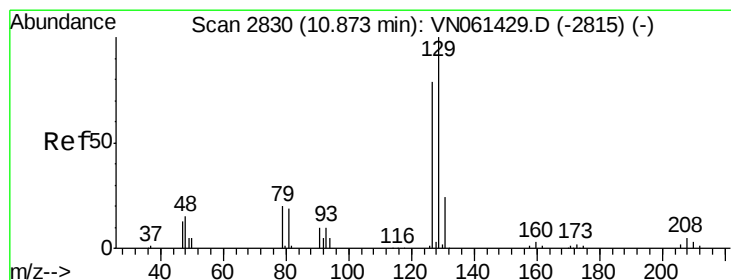
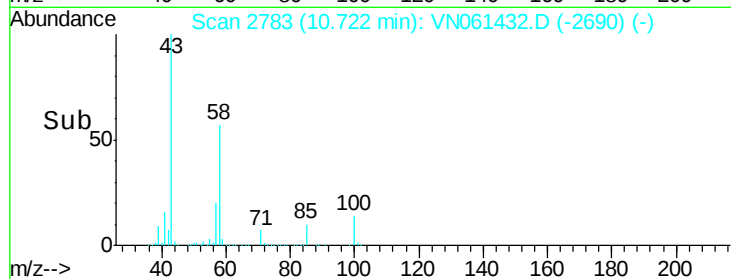
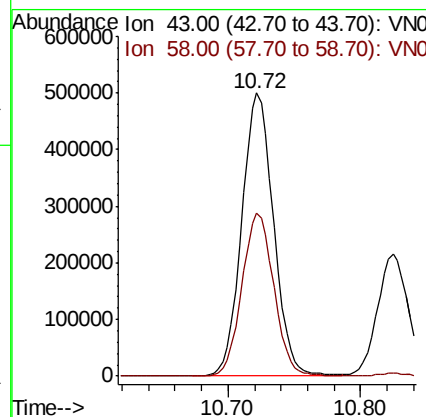
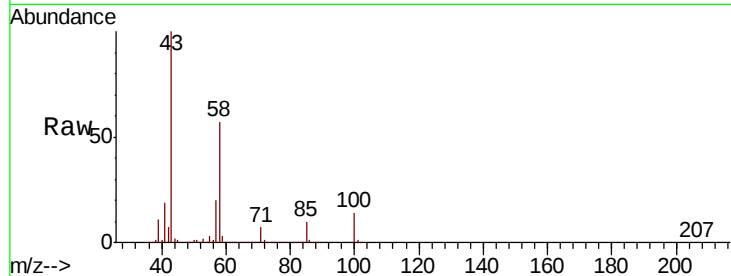




#59
2-Hexanone
Concen: 236.559 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

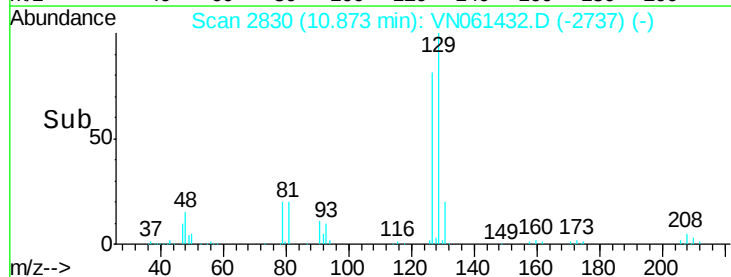
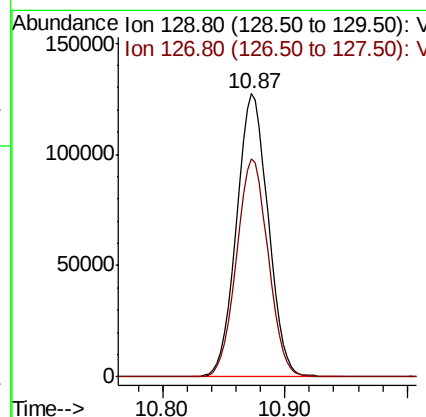
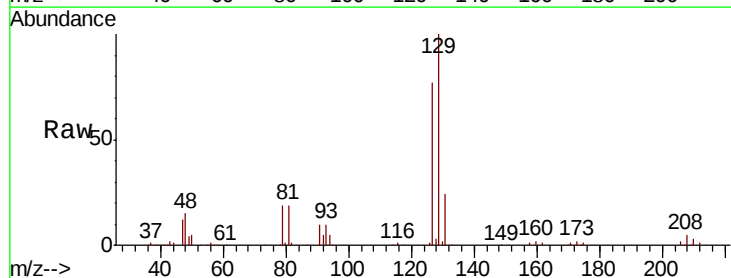
Instrument :
MSVOA_N
ClientSampled :

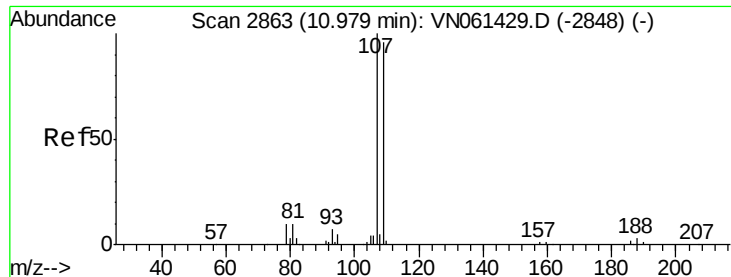
Tot Ion: 43 Resp: 832078
Ion Ratio Lower Upper
43 100
58 57.9 29.2 87.6



#60
Dibromochloromethane
Concen: 50.242 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 129 Resp: 229374
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3

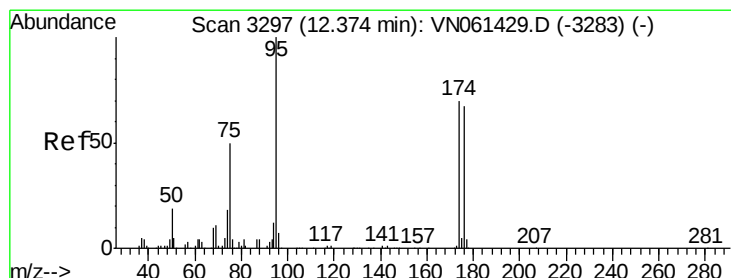
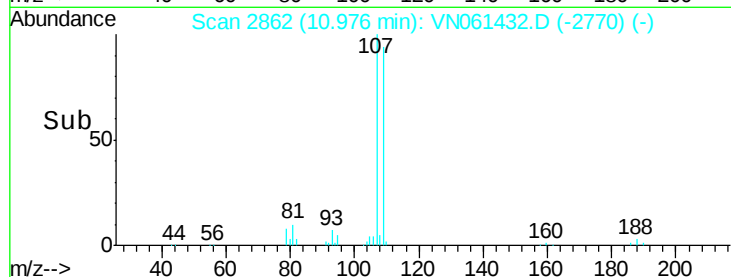
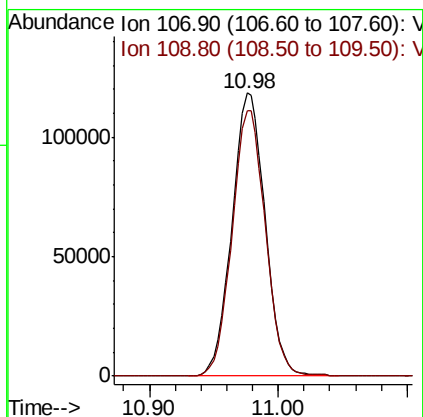
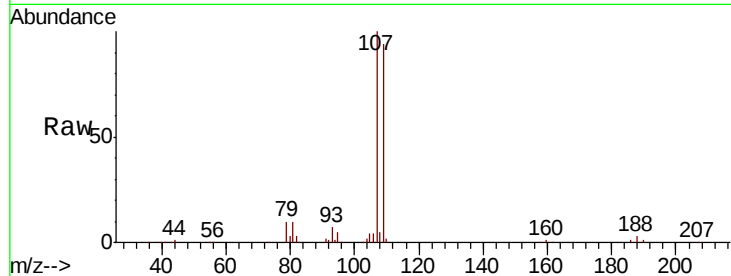




#61
 1,2-Dibromoethane
 Concen: 48.699 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

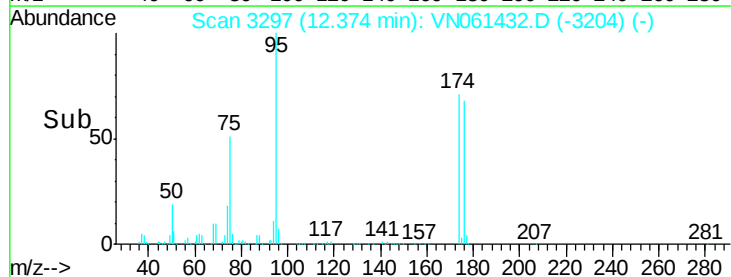
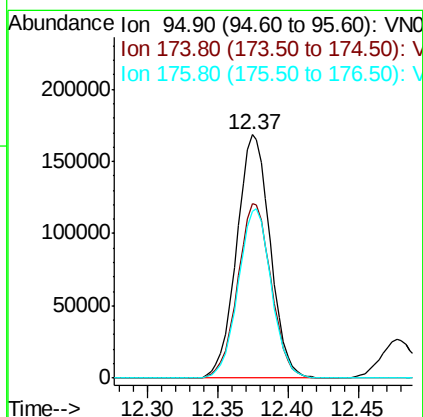
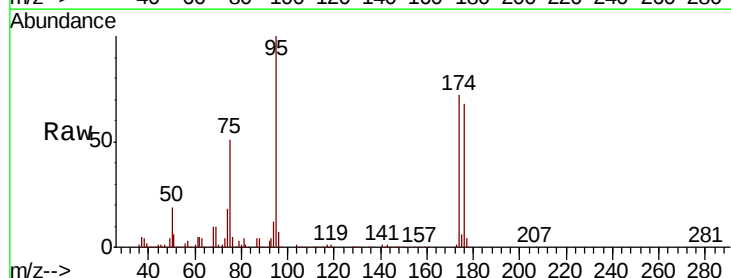
Instrument :
 MSVOA_N
 ClientSampled :

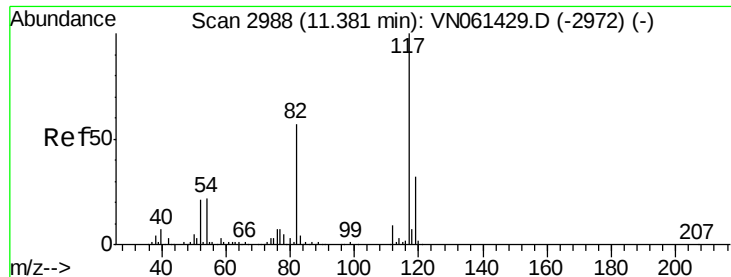
Tot Ion:107 Resp: 211330
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.290 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion: 95 Resp: 280966
 Ion Ratio Lower Upper
 95 100
 174 71.7 0.0 141.2
 176 68.7 0.0 137.6

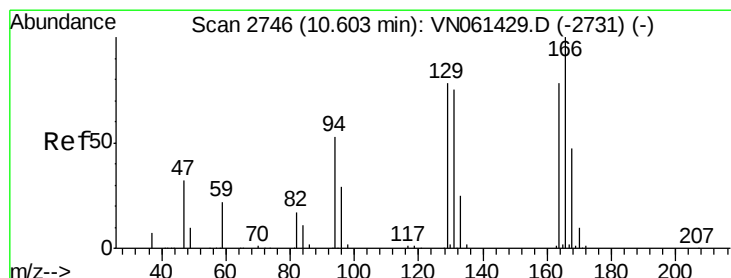
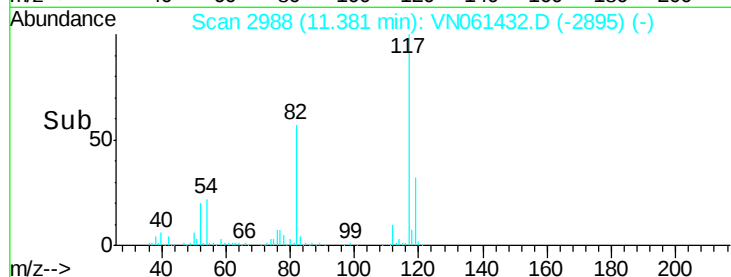
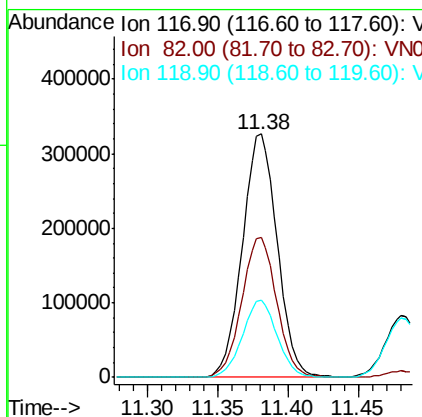
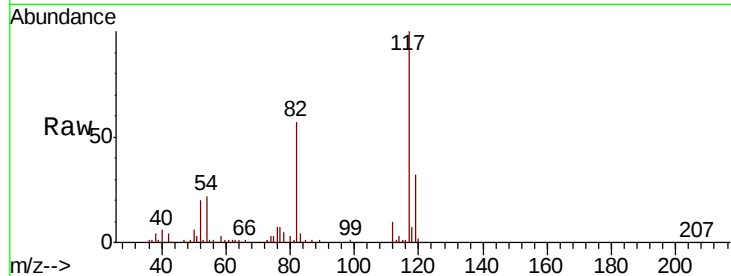




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

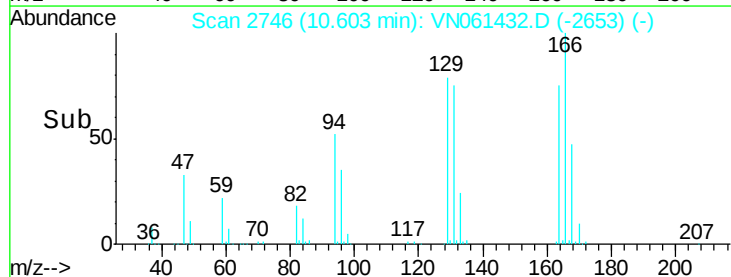
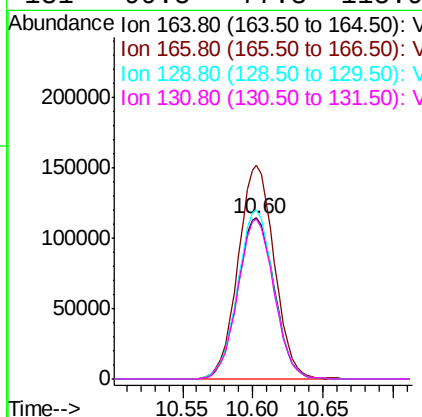
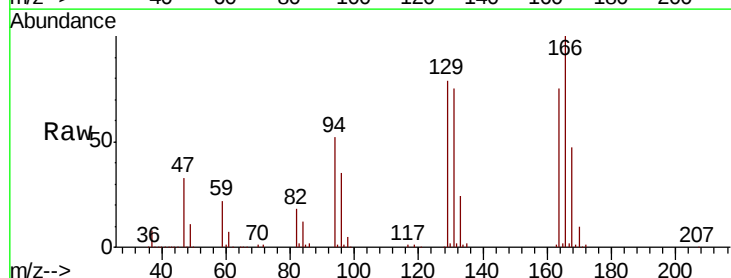
Instrument :
MSVOA_N
ClientSampled :

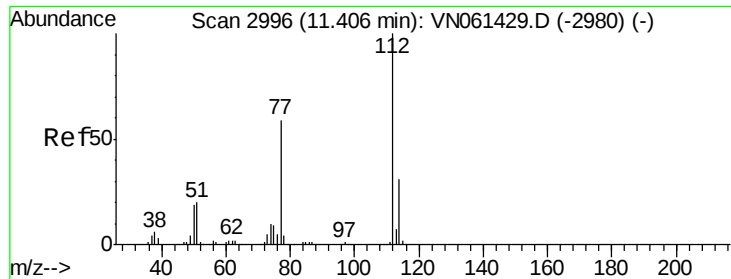
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.2	67.8
119	31.8	25.3	37.9



#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	103.2	154.8
129	105.1	81.0	121.4
131	99.5	77.3	115.9

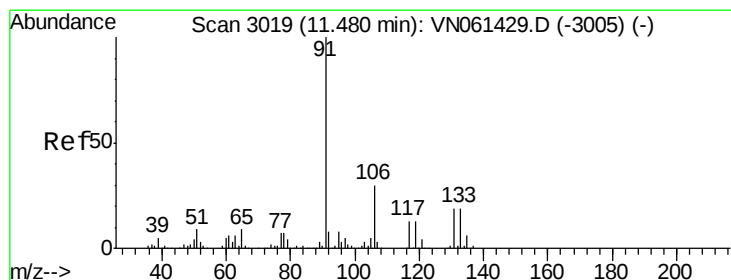
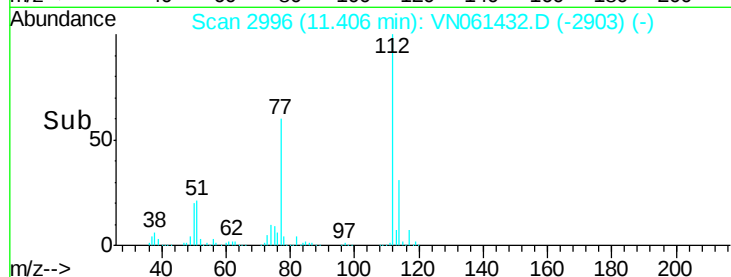
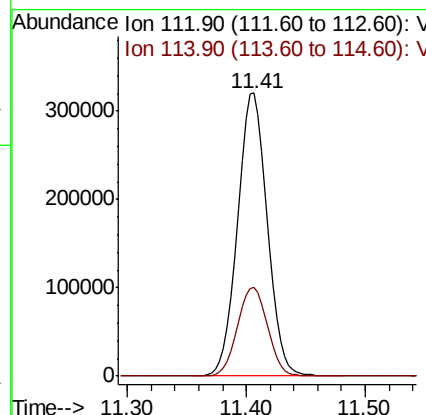
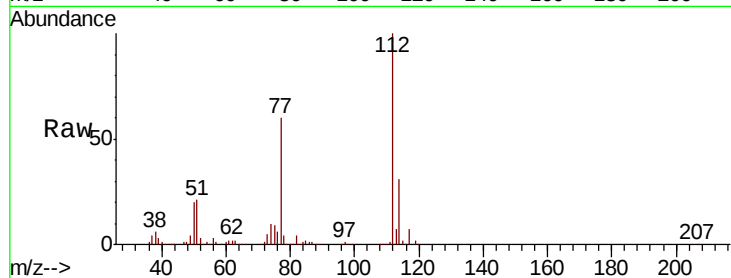




#65
Chlorobenzene
Concen: 47.973 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

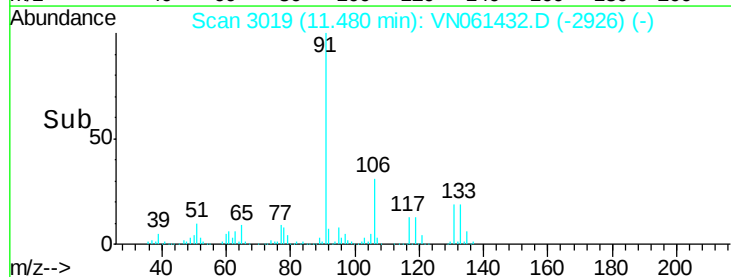
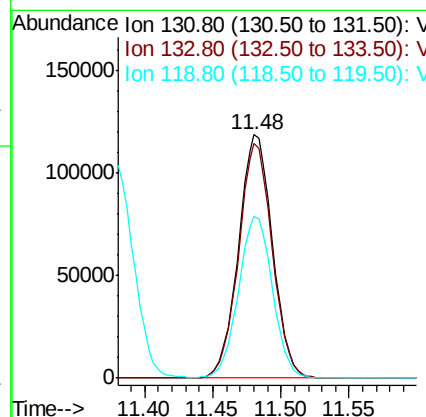
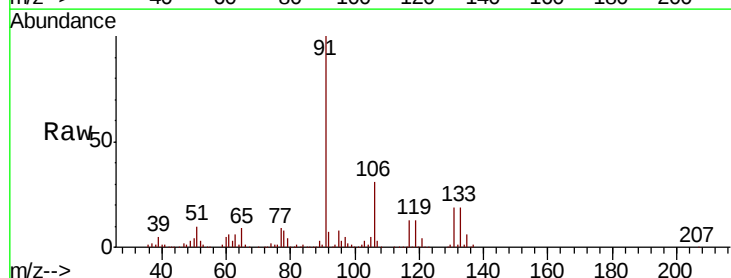
Instrument :
MSVOA_N
ClientSampleId :

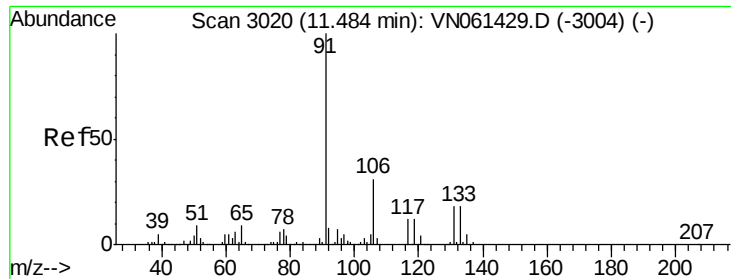
Tot Ion:112 Resp: 553976
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.464 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion:131 Resp: 204774
Ion Ratio Lower Upper
131 100
133 95.5 48.7 146.1
119 66.7 33.8 101.3

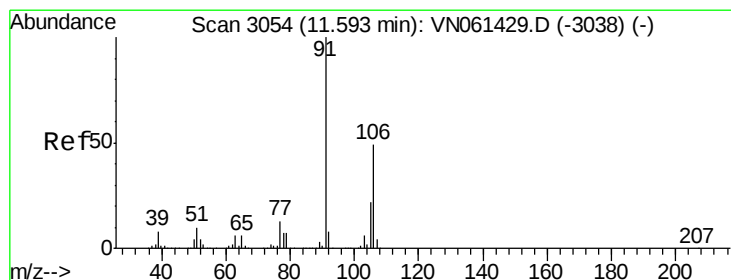
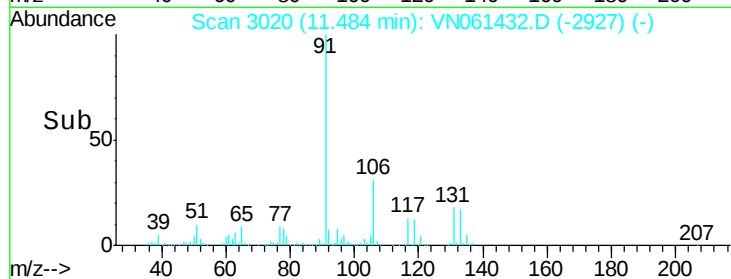
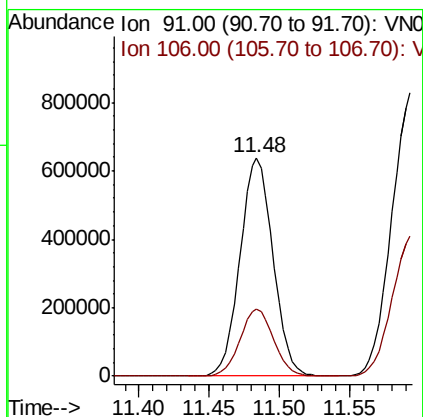
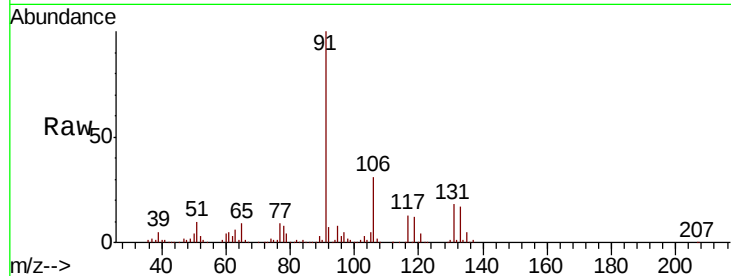




#67
Ethyl Benzene
Concen: 49.664 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

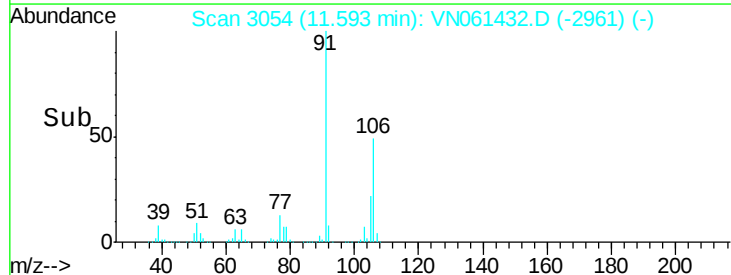
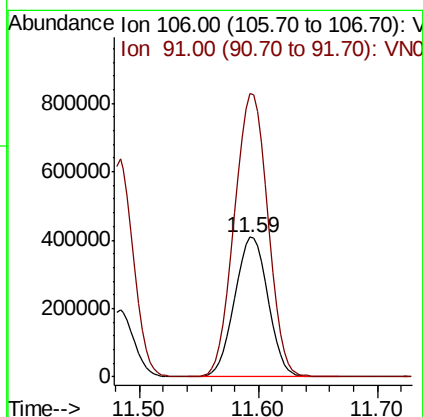
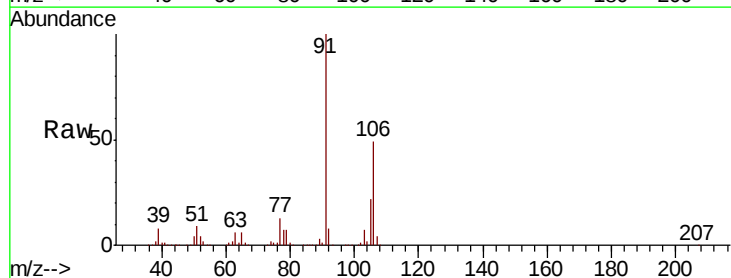
Instrument :
MSVOA_N
ClientSampled :

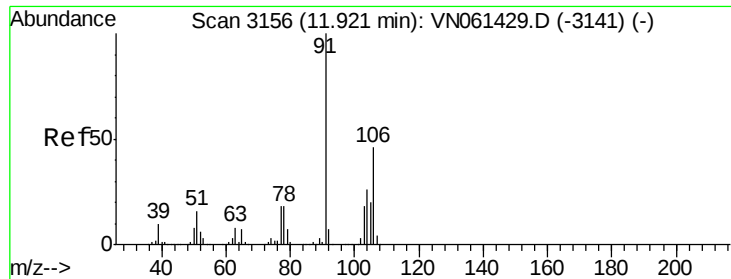
Tot Ion: 91 Resp: 1046873
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8



#68
m/p-Xylenes
Concen: 99.157 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 106 Resp: 793364
Ion Ratio Lower Upper
106 100
91 204.0 163.0 244.6

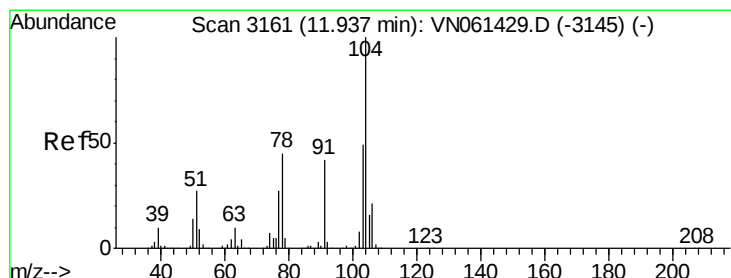
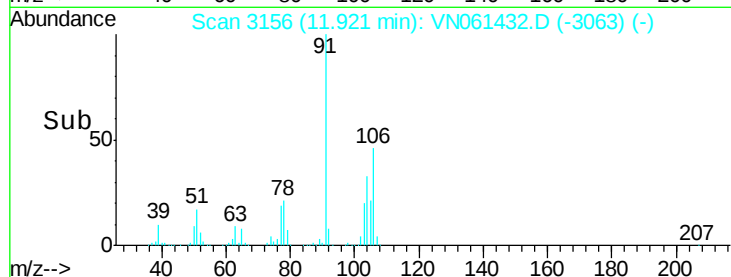
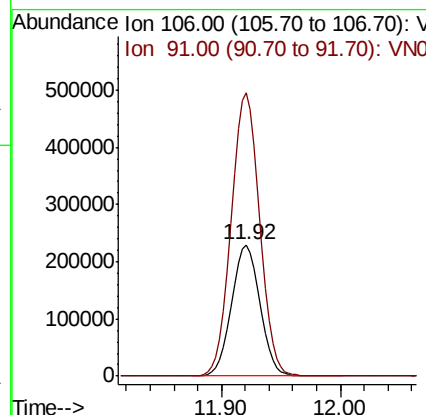
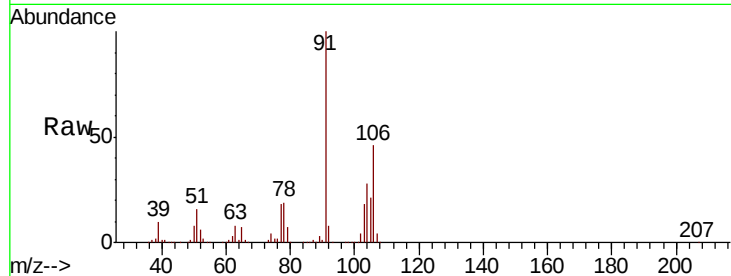




#69
o-Xylene
Concen: 49.148 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

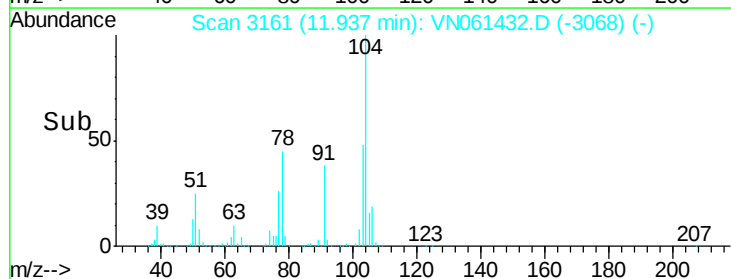
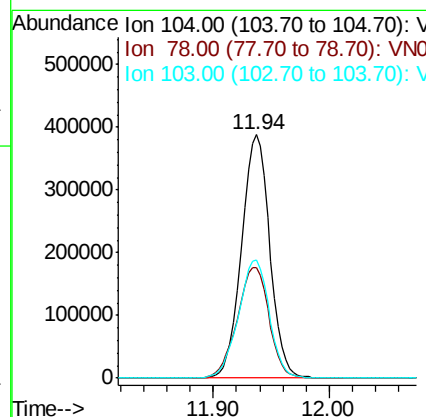
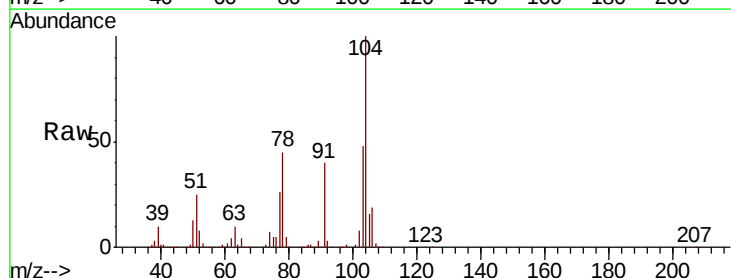
Instrument :
MSVOA_N
ClientSampled :

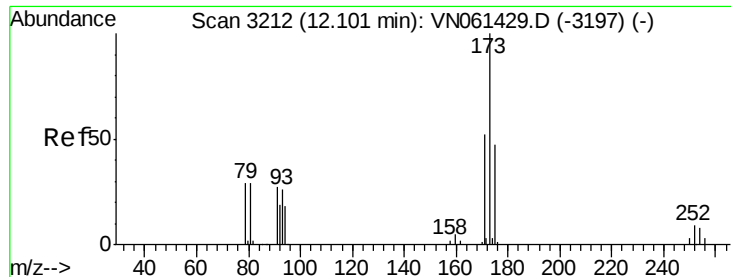
Tot Ion:106 Resp: 380541
Ion Ratio Lower Upper
106 100
91 215.1 107.9 323.7



#70
Styrene
Concen: 50.987 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion:104 Resp: 653743
Ion Ratio Lower Upper
104 100
78 51.3 40.7 61.1
103 53.1 43.0 64.4

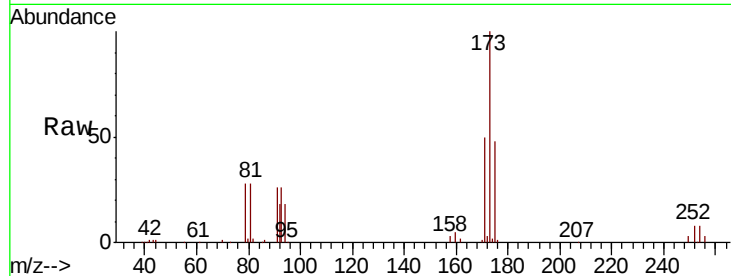




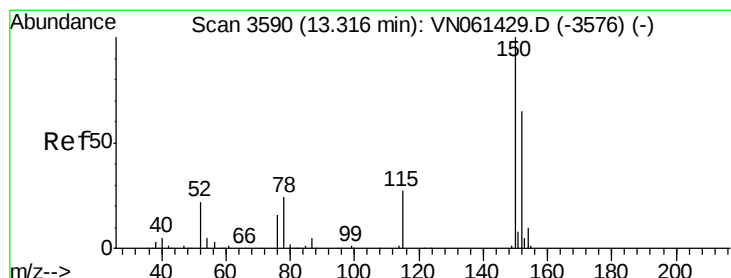
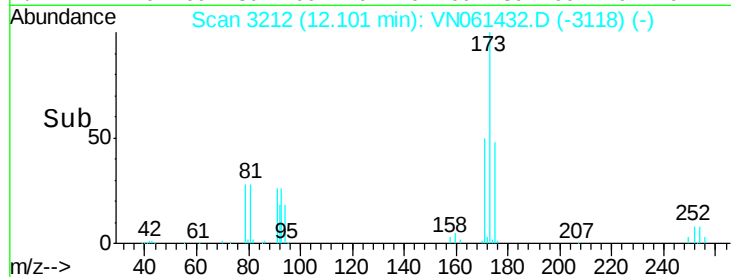
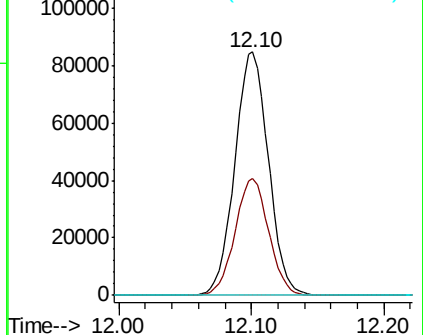
#71
Bromoform
Concen: 46.485 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 149172
Ion Ratio Lower Upper
173 100
175 48.0 23.9 71.8
254 0.0 0.0 0.0

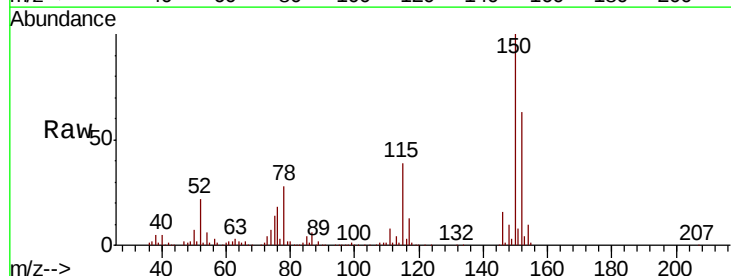


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

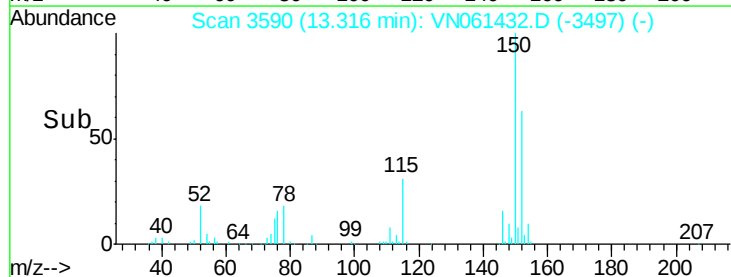
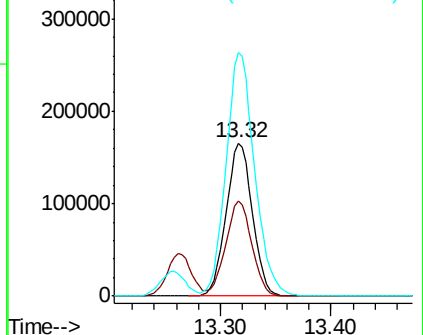


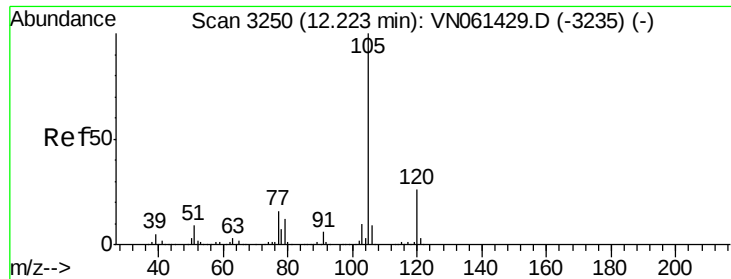
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion:152 Resp: 273040
Ion Ratio Lower Upper
152 100
115 61.6 30.9 92.5
150 173.2 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: 47.123 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

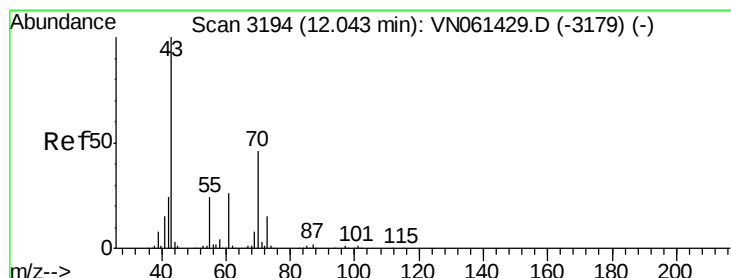
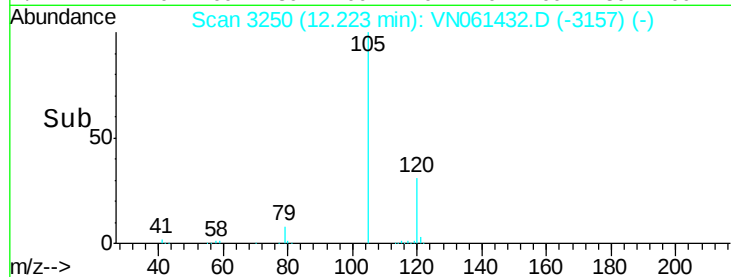
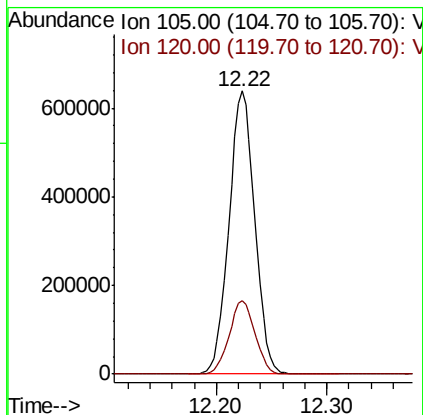
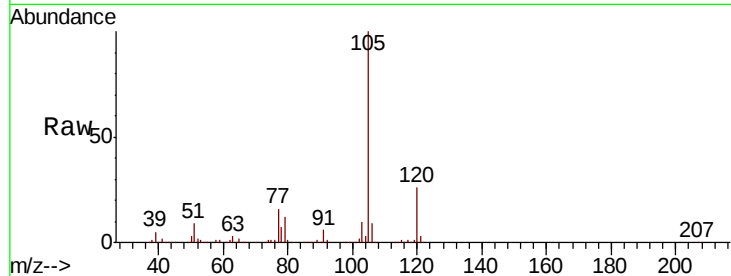
ClientSampleId :

Tot Ion:105 Resp: 1032905

Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0



#74

N-ethyl acetate

Concen: 45.886 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion: 43 Resp: 368159

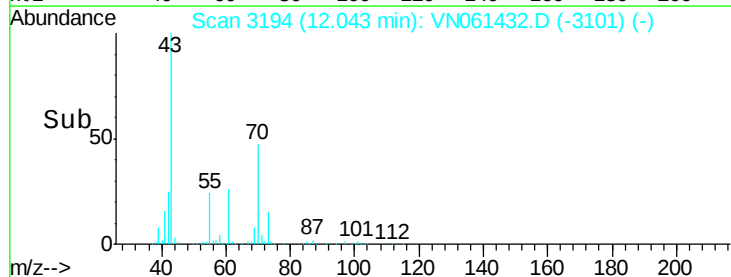
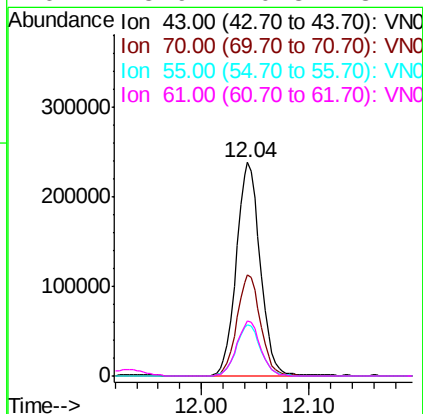
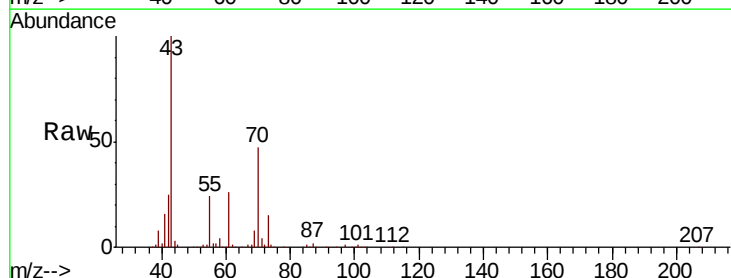
Ion Ratio Lower Upper

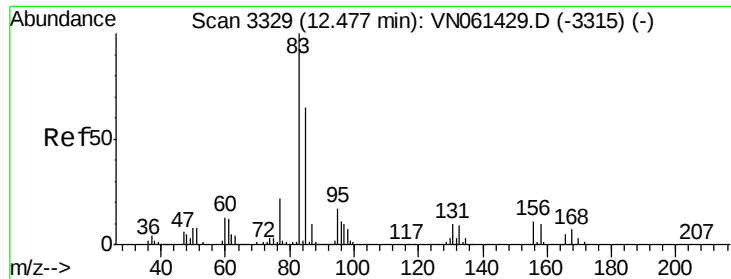
43 100

70 47.1 37.0 55.4

55 24.5 19.5 29.3

61 25.9 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.727 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

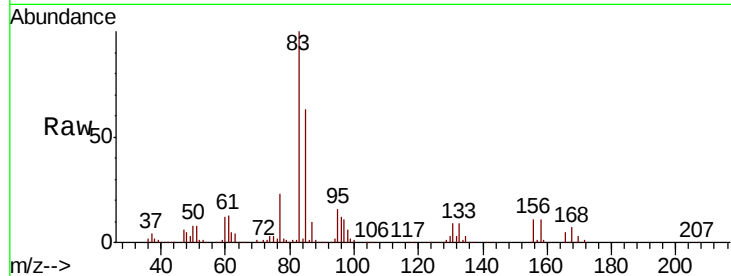
Tot Ion: 83 Resp: 275763

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

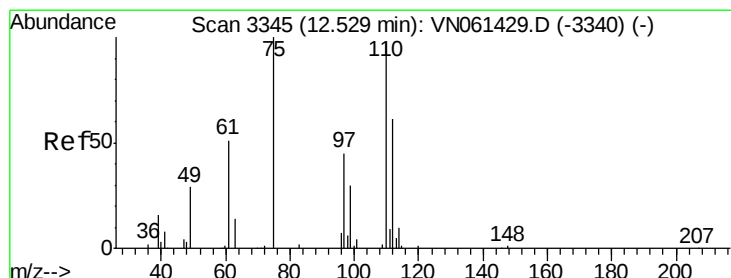
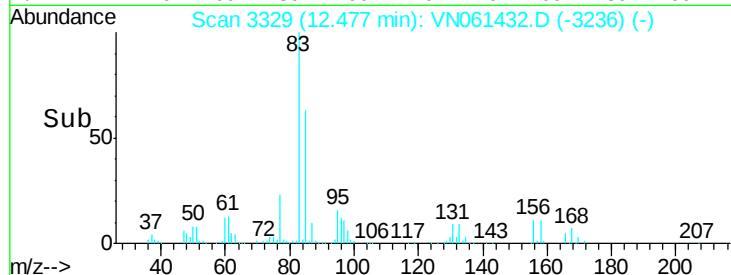
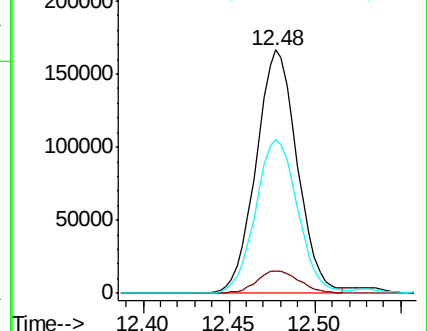
85 64.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 63.870 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061432.D

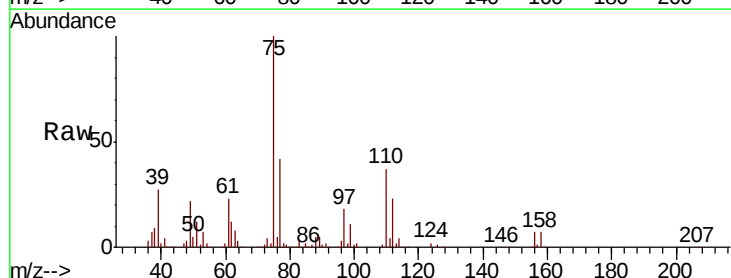
Acq: 18 May 2020 14:06

Tgt Ion: 75 Resp: 374201

Ion Ratio Lower Upper

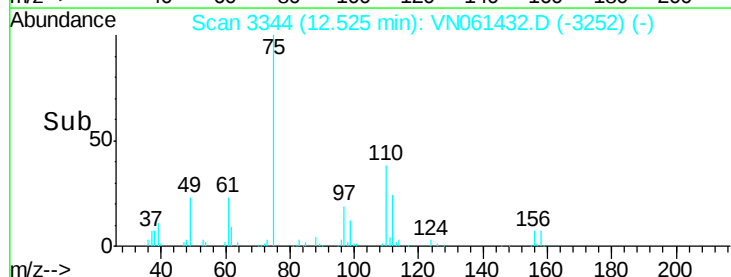
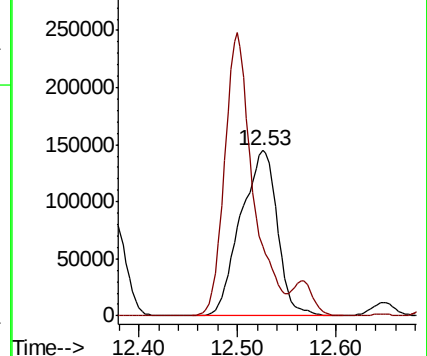
75 100

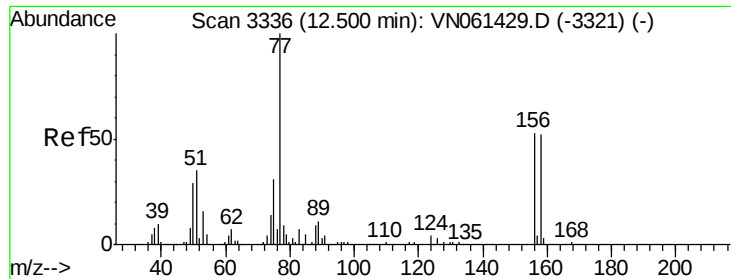
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

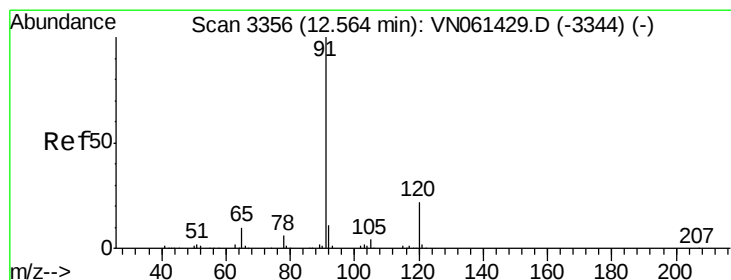
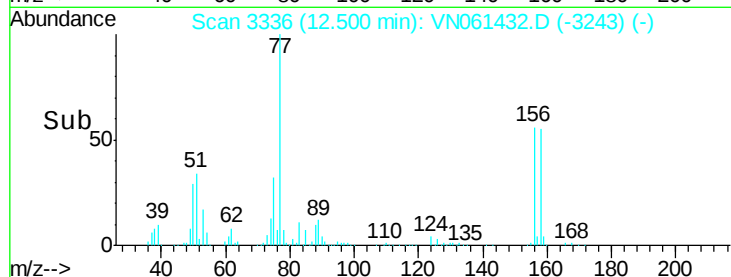
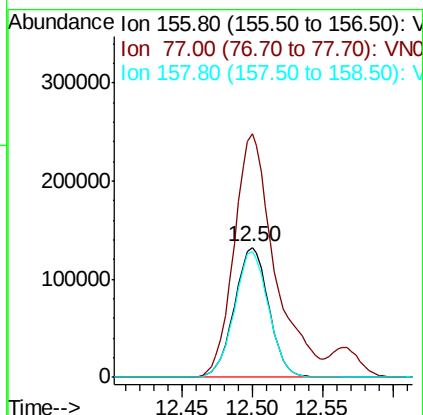
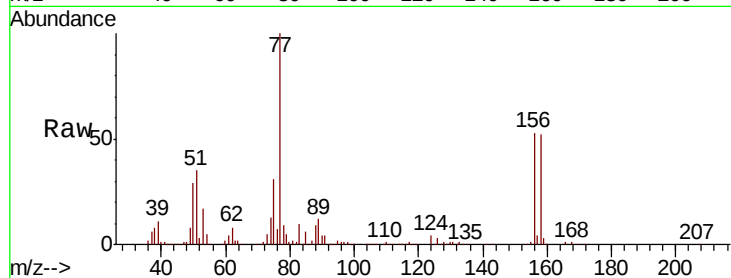




#77
Bromobenzene
Concen: 47.559 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

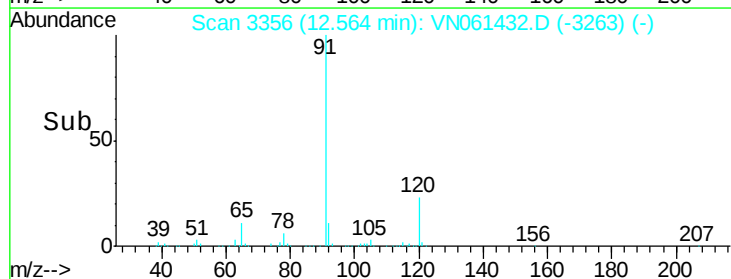
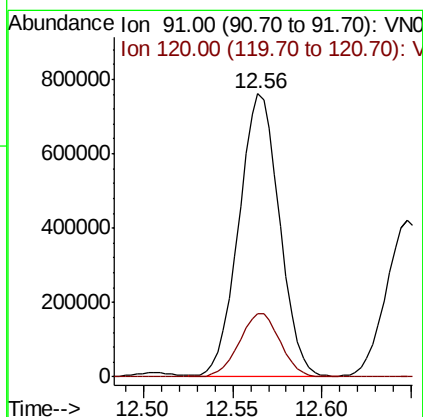
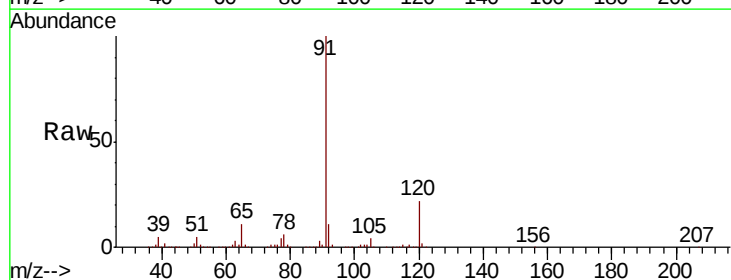
Instrument :
MSVOA_N
ClientSampled :

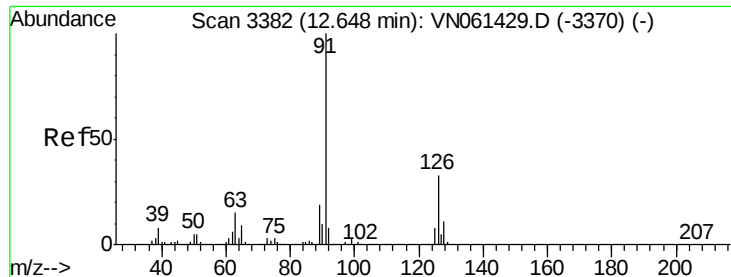
Tot Ion:156 Resp: 226239
Ion Ratio Lower Upper
156 100
77 220.7 112.3 336.9
158 96.5 47.9 143.6



#78
n-propylbenzene
Concen: 48.235 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 91 Resp: 1204671
Ion Ratio Lower Upper
91 100
120 22.7 11.2 33.6





#79

2-Chlorotoluene

Concen: 47.010 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

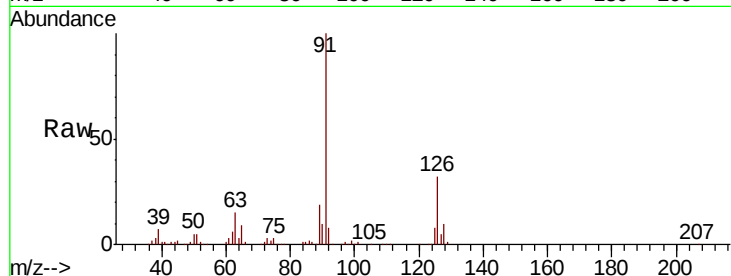
ClientSampleId :

Tot Ion: 91 Resp: 693968

Ion Ratio Lower Upper

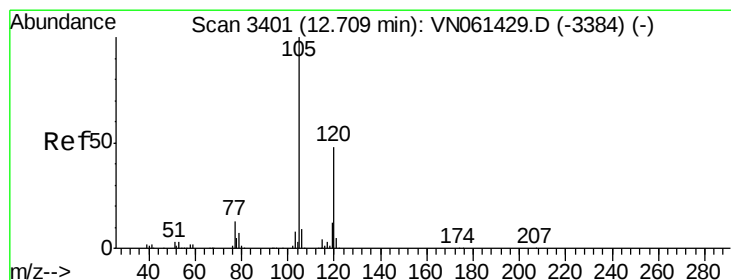
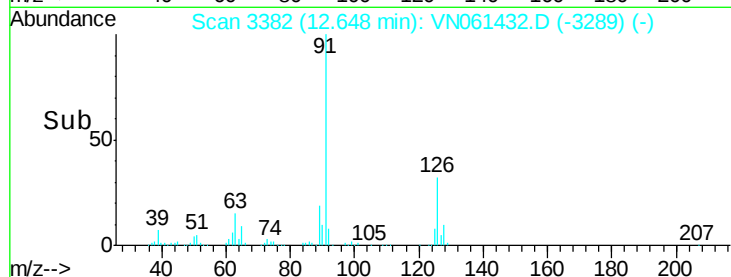
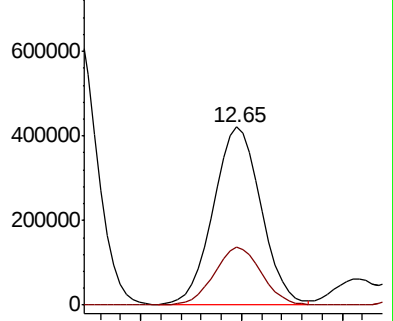
91 100

126 32.6 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061432.D (-3289) (-)

Ion 125.90 (125.60 to 126.60): VN061432.D (-3289) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.788 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061432.D

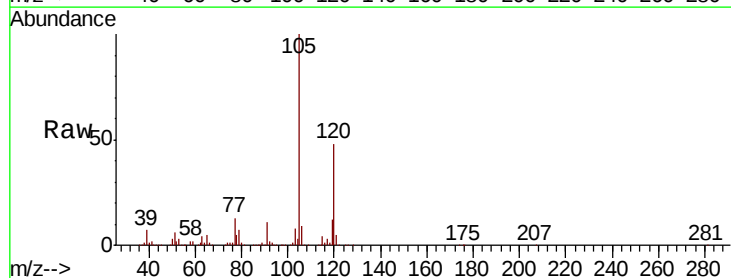
Acq: 18 May 2020 14:06

Tgt Ion: 105 Resp: 875621

Ion Ratio Lower Upper

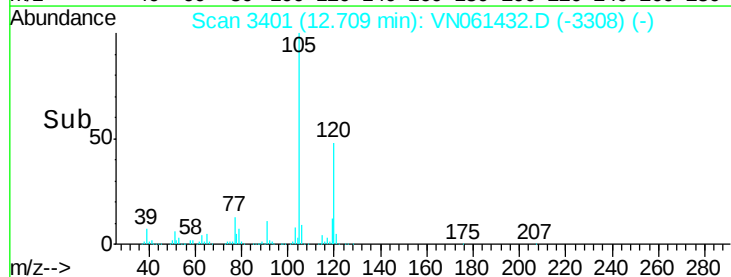
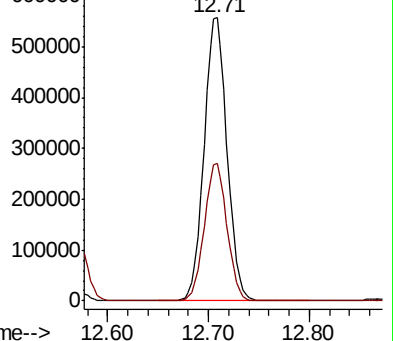
105 100

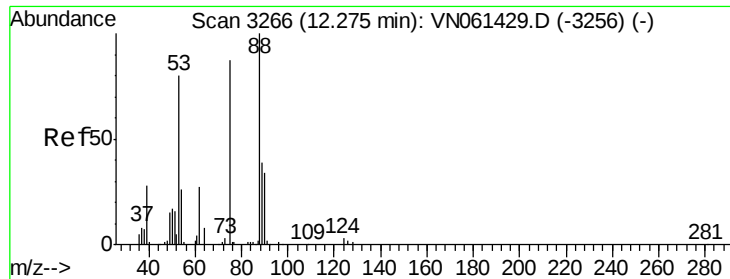
120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061432.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN061432.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.820 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

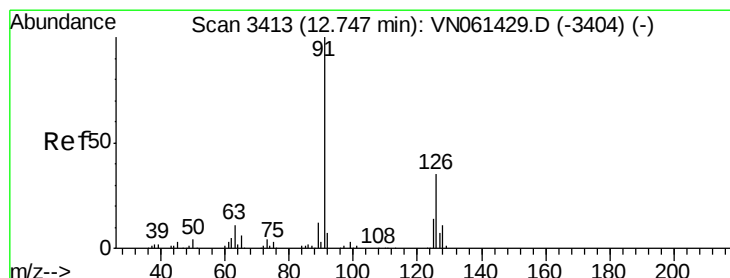
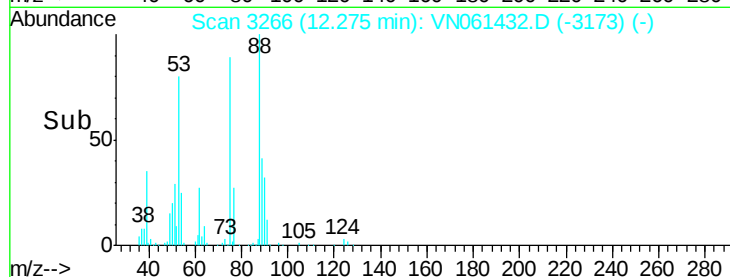
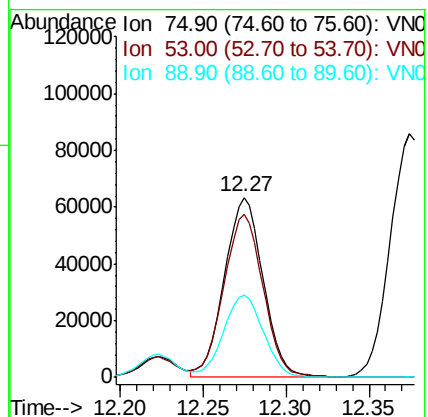
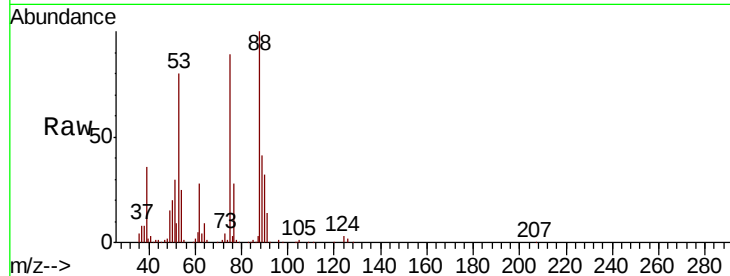
Tot Ion: 75 Resp: 103404

Ion Ratio Lower Upper

75 100

53 92.2 75.2 112.8

89 46.8 38.2 57.4



#82

4-Chlorotoluene

Concen: 48.096 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061432.D

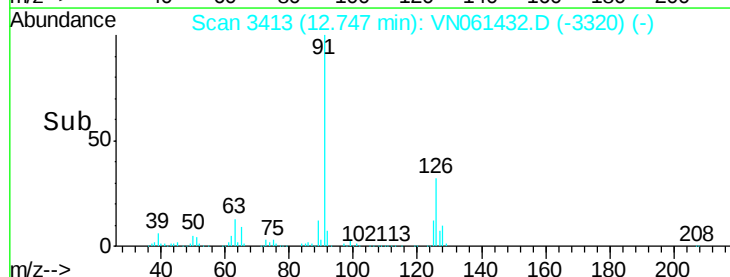
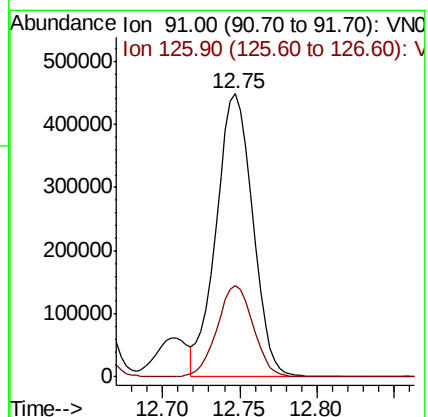
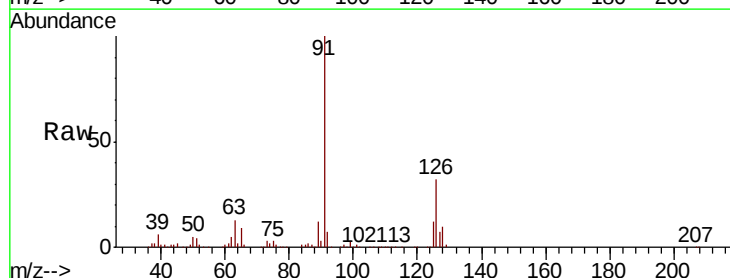
Acq: 18 May 2020 14:06

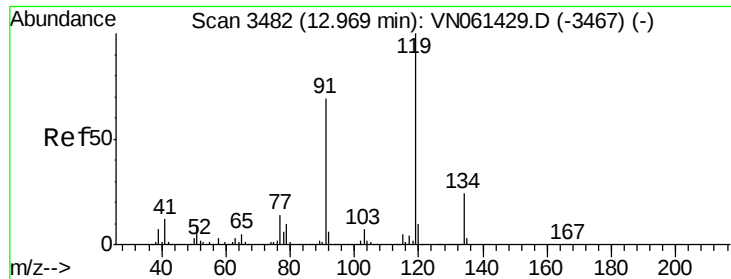
Tgt Ion: 91 Resp: 735177

Ion Ratio Lower Upper

91 100

126 32.1 16.1 48.2

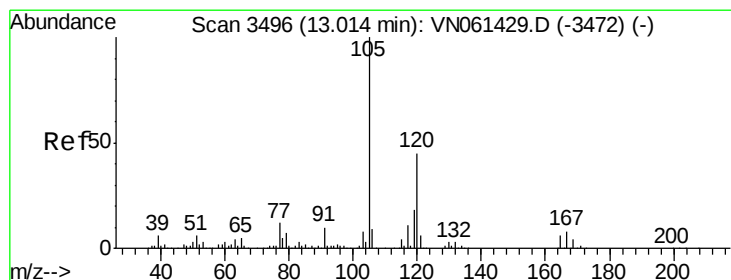
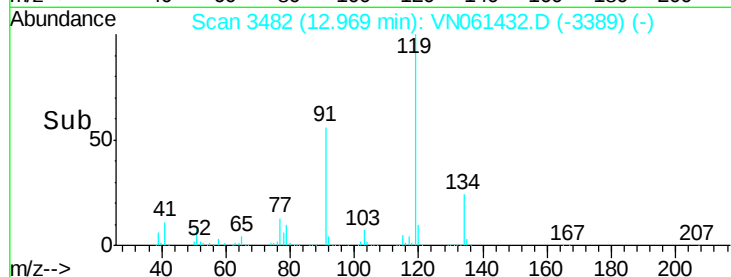
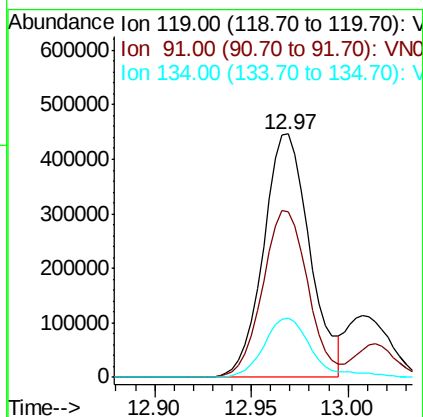
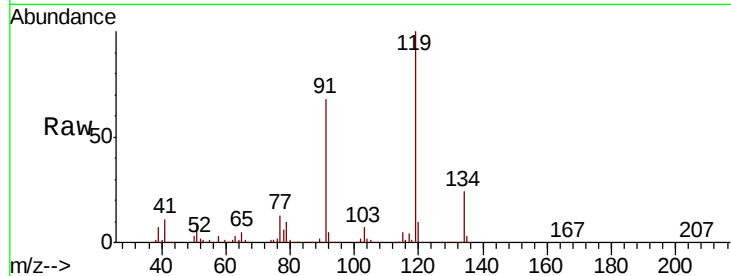




#83
 tert-Butylbenzene
 Concen: 48.173 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

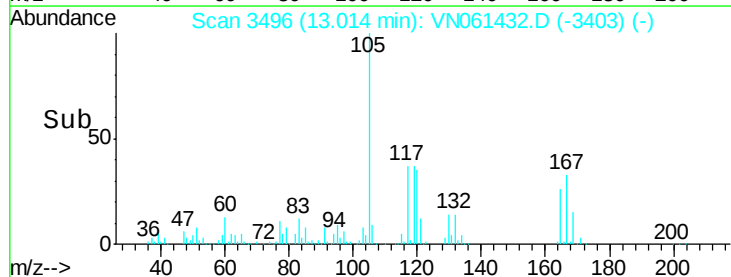
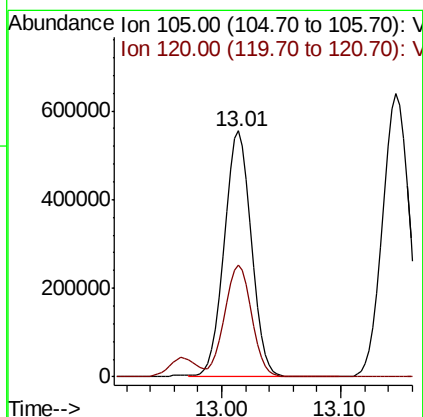
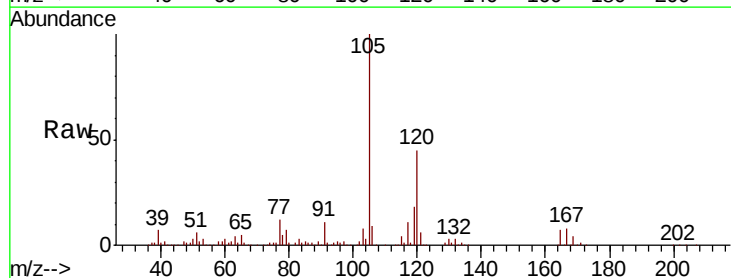
Instrument :
 MSVOA_N
 ClientSampleId :

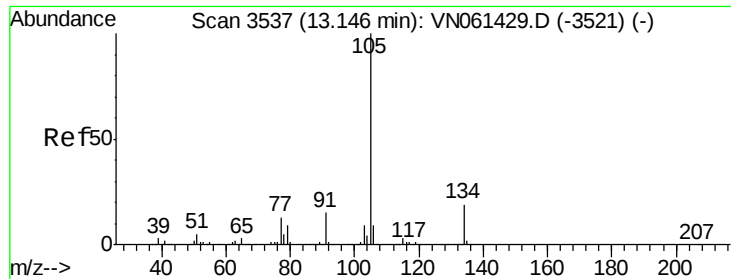
Tot Ion:119 Resp: 740585
 Ion Ratio Lower Upper
 119 100
 91 66.8 33.7 101.0
 134 25.4 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 48.601 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion:105 Resp: 872961
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 48.687 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

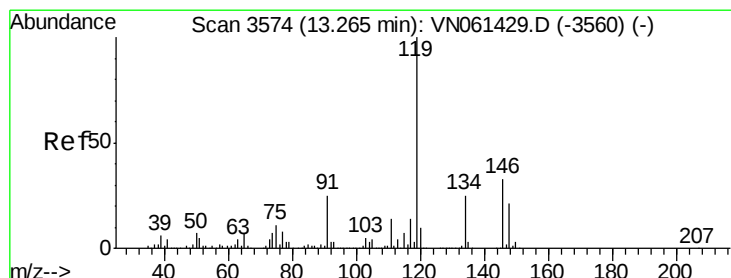
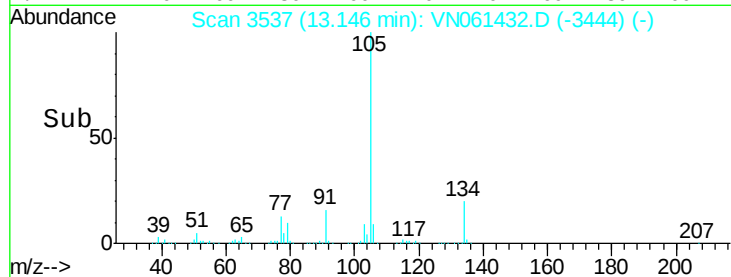
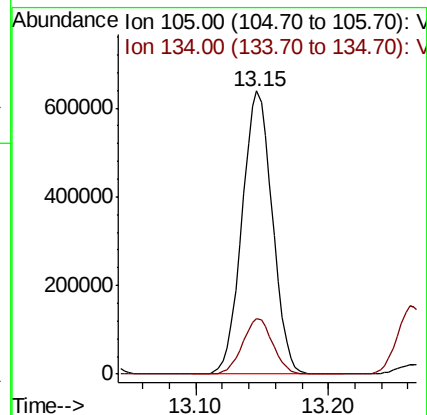
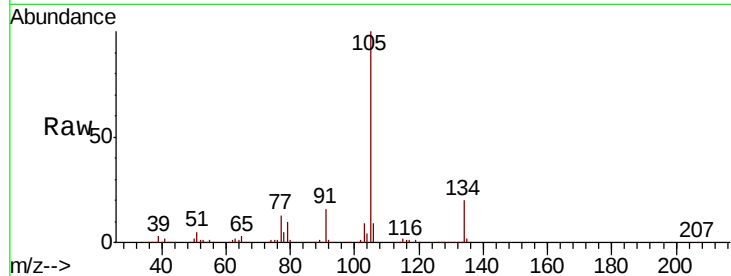
ClientSampleId :

Tot Ion:105 Resp: 1012117

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5



#86

p-Isopropyltoluene

Concen: 49.794 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

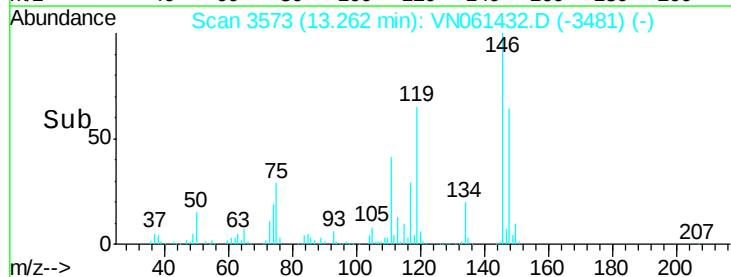
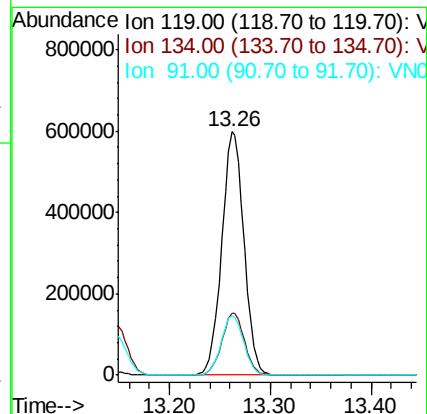
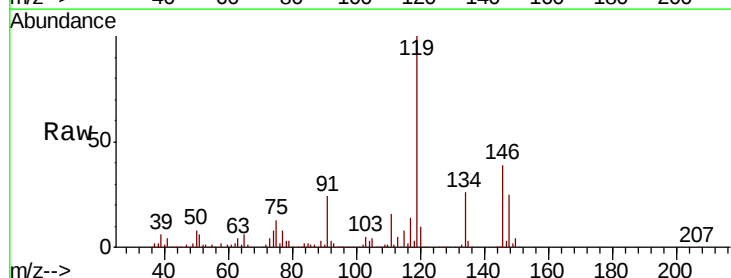
Tgt Ion:119 Resp: 919160

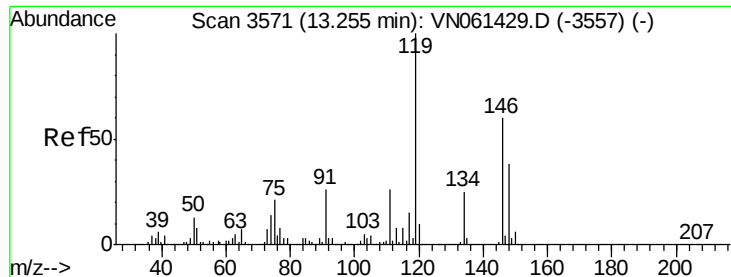
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 24.6 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 49.004 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061432.D

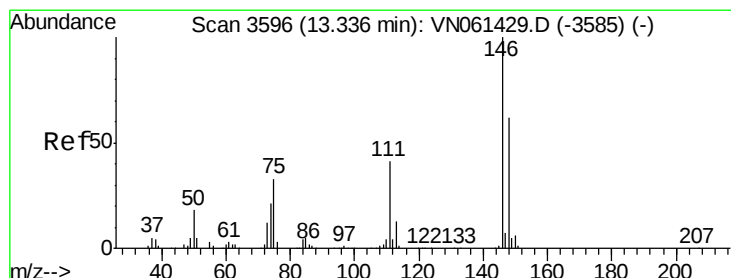
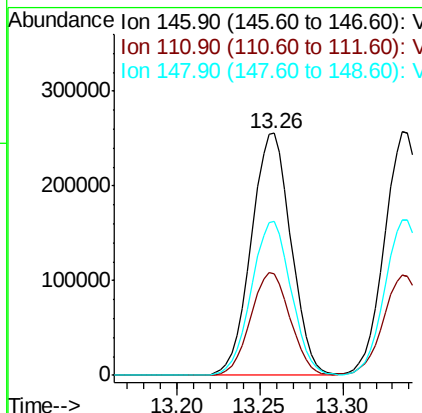
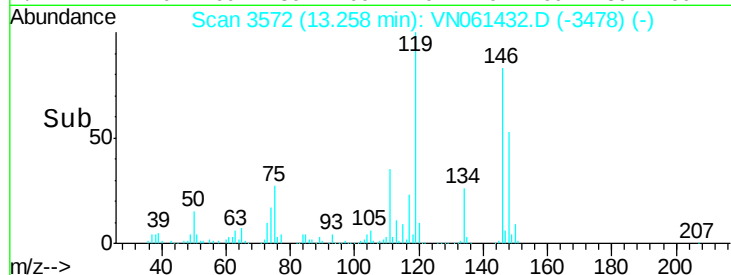
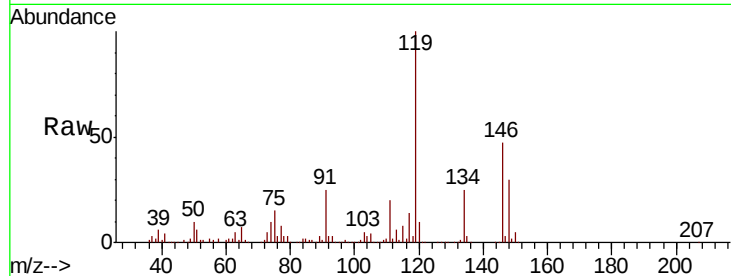
Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146	Resp:	426630
Ion Ratio	Lower	Upper
146	100	
111	42.3	21.5 64.5
148	63.5	31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 48.837 ug/l

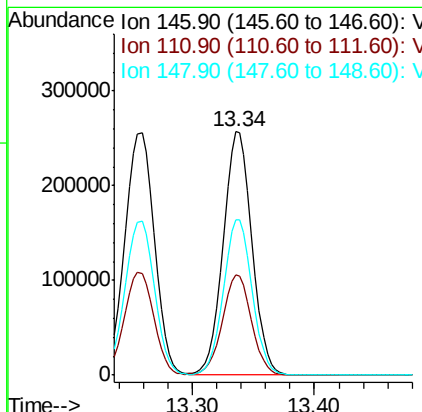
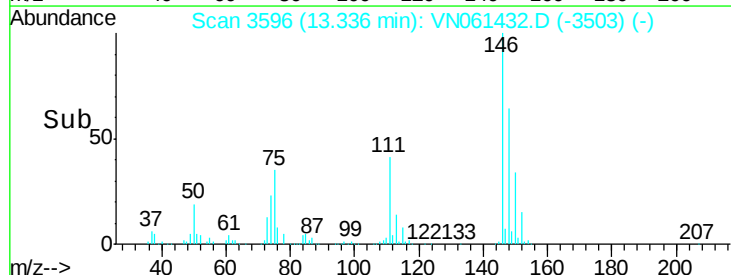
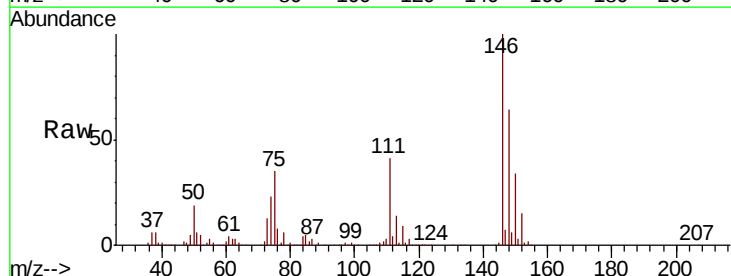
RT: 13.34 min Scan# 3596

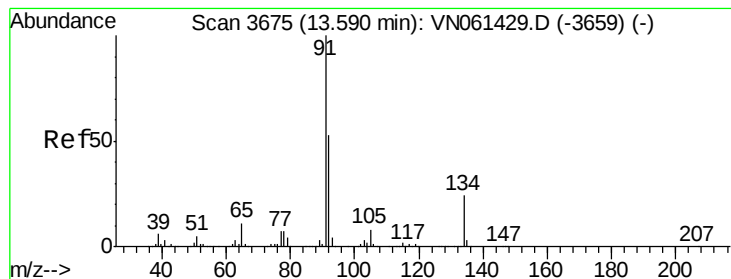
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion:146	Resp:	425804
Ion Ratio	Lower	Upper
146	100	
111	41.6	20.8 62.5
148	63.8	31.6 94.8





#89

n-Butylbenzene

Concen: 50.056 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

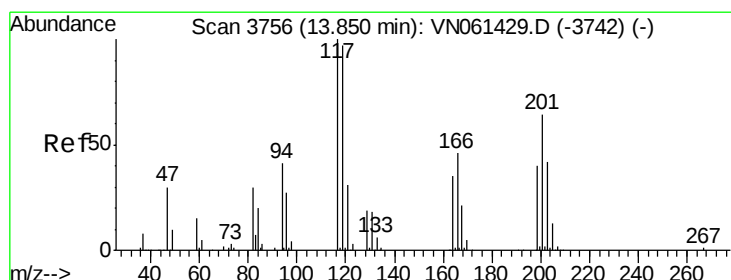
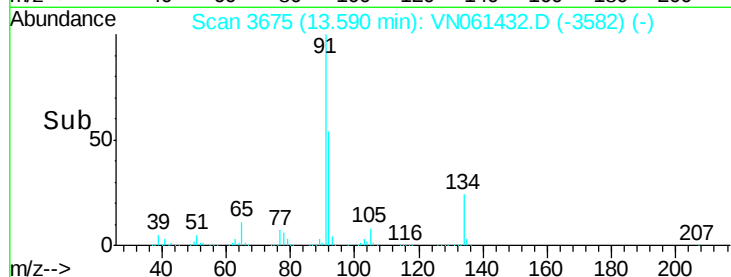
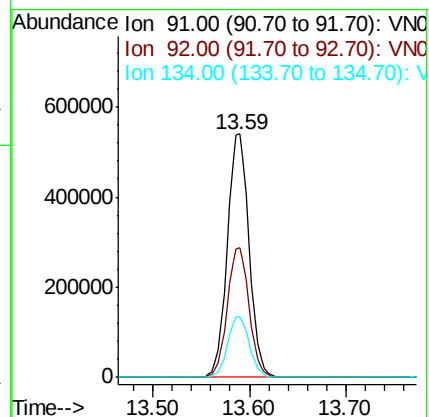
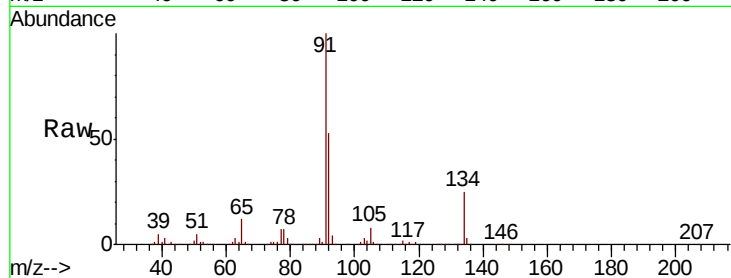
Tot Ion: 91 Resp: 839450

Ion Ratio Lower Upper

91 100

92 53.4 26.8 80.3

134 25.0 12.4 37.4



#90

Hexachloroethane

Concen: 49.800 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061432.D

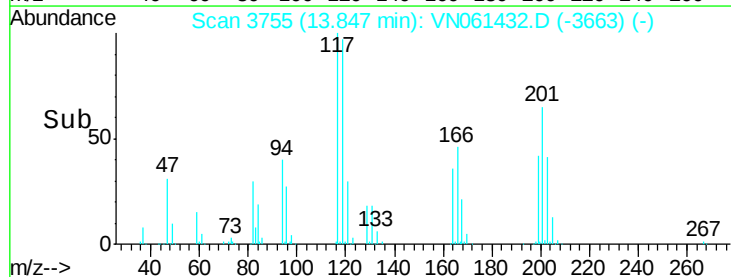
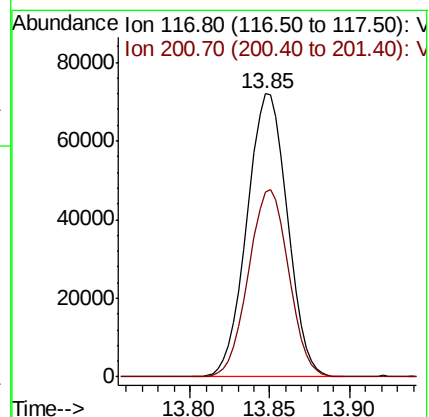
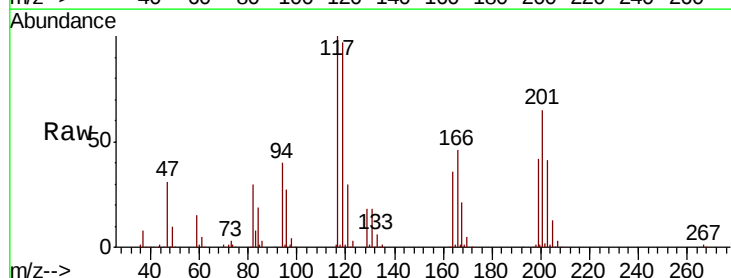
Acq: 18 May 2020 14:06

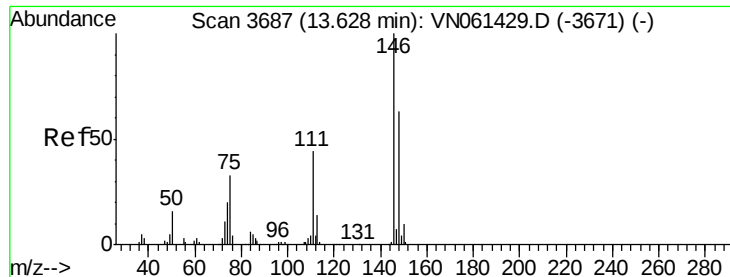
Tgt Ion: 117 Resp: 124588

Ion Ratio Lower Upper

117 100

201 65.5 32.9 98.7





#91

1,2-Dichlorobenzene

Concen: 48.317 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

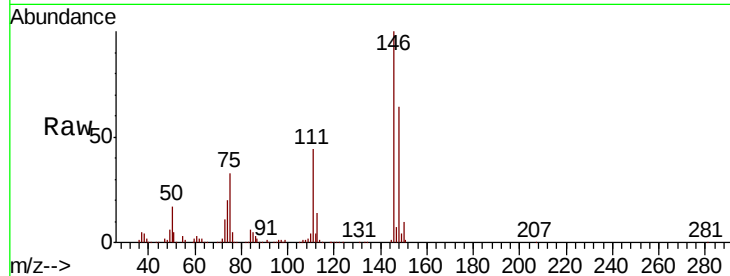
Tot Ion:146 Resp: 403506

Ion Ratio Lower Upper

146 100

111 44.4 21.9 65.7

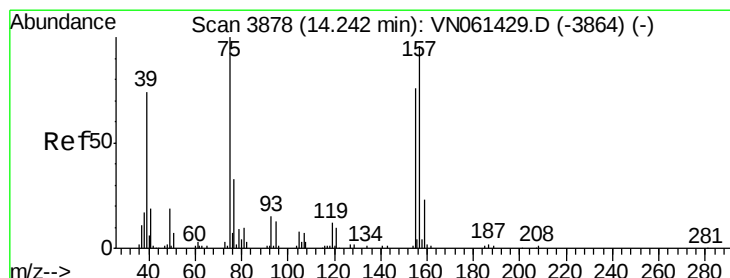
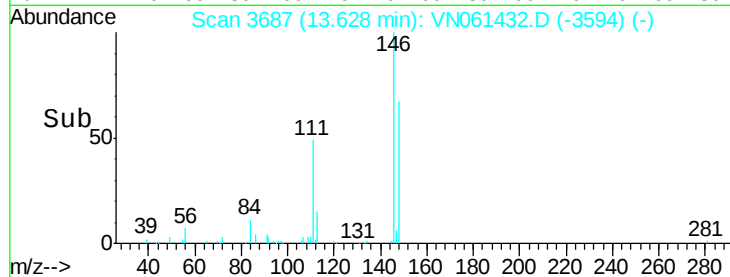
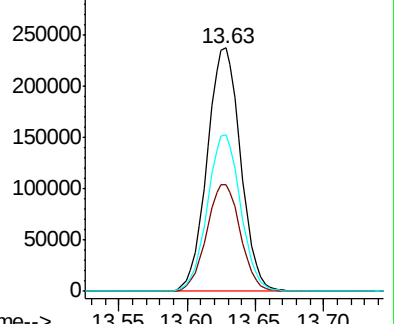
148 64.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.560 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

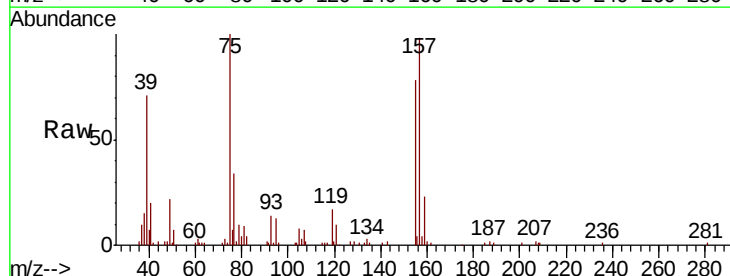
Tgt Ion: 75 Resp: 56719

Ion Ratio Lower Upper

75 100

155 76.9 38.9 116.7

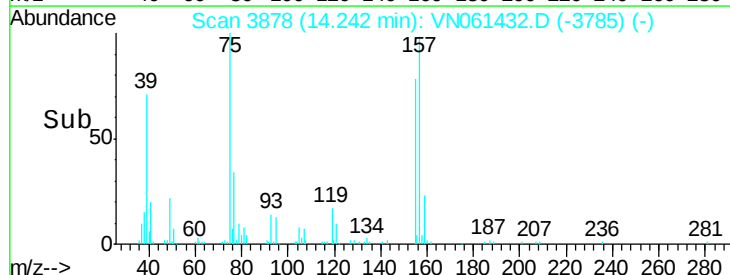
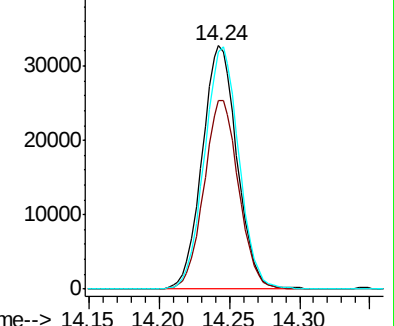
157 98.1 48.6 145.8

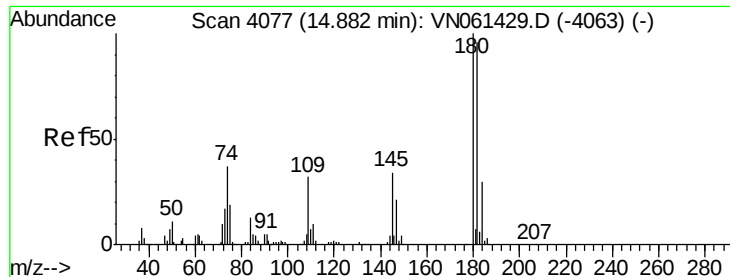


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

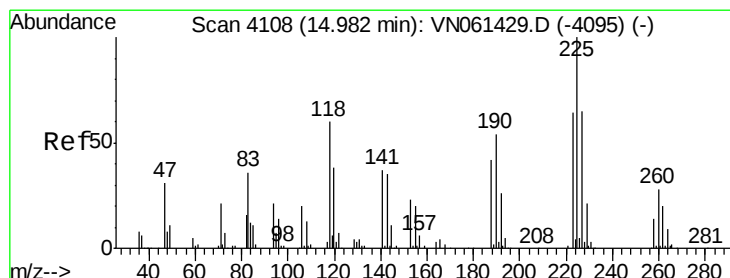
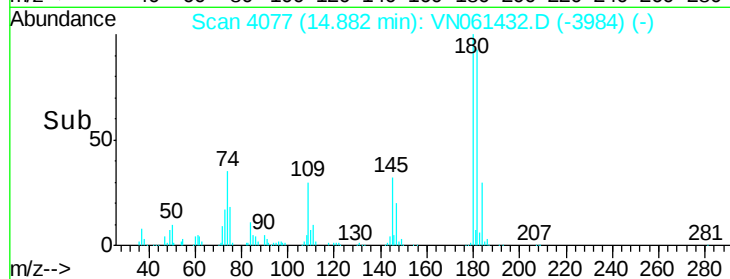
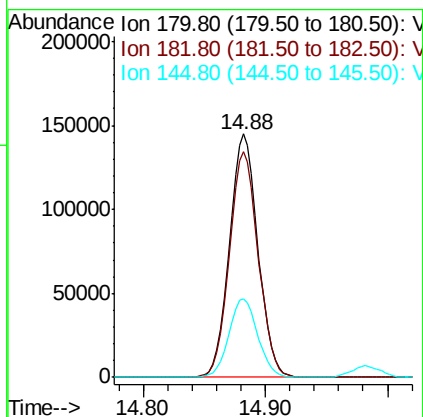
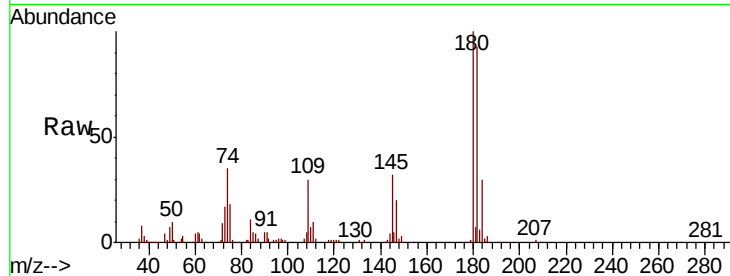




#93
 1,2,4-Trichlorobenzene
 Concen: 52.036 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

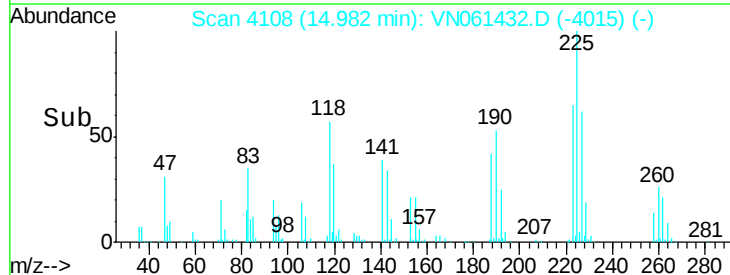
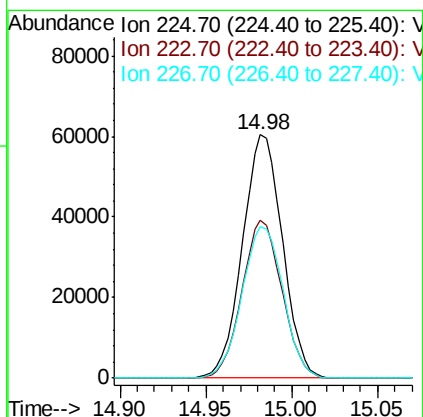
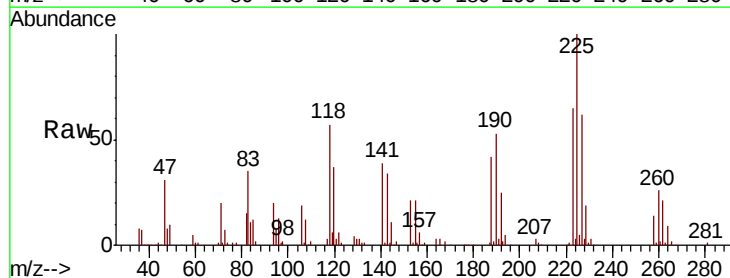
Instrument :
 MSVOA_N
 ClientSampleId :

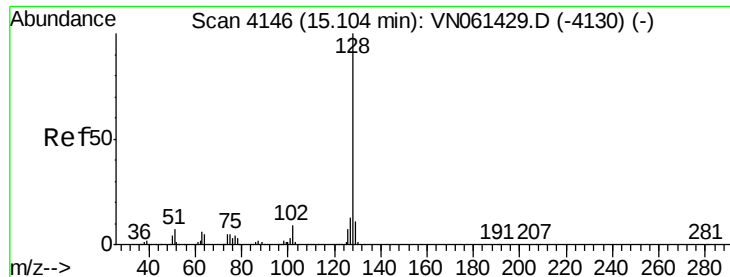
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	32.8	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 48.619 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	64.1	31.5	94.5

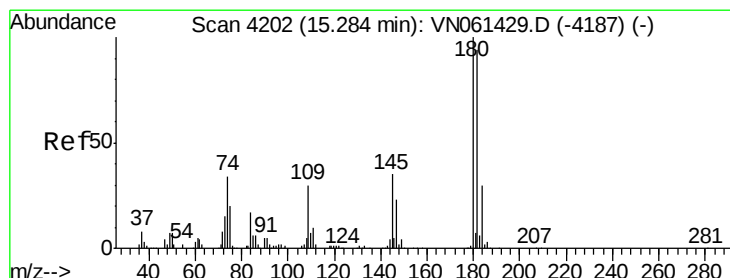
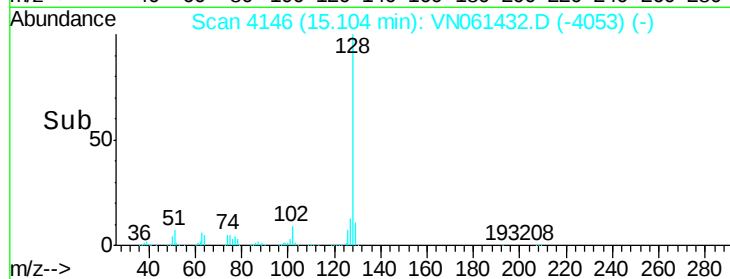
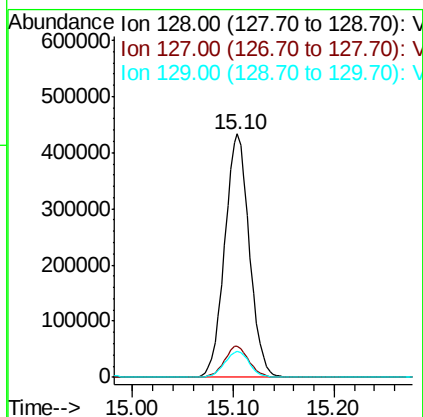
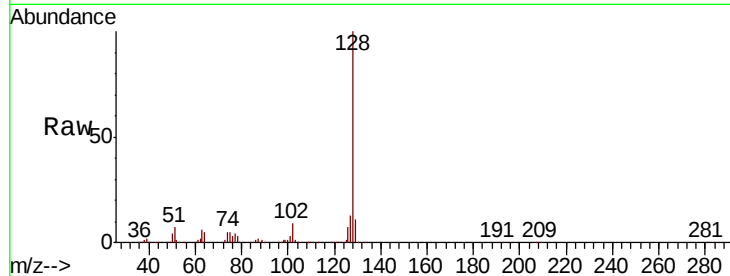




#95
Naphthalene
Concen: 51.239 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.597 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	34.7	17.3	51.9

