

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041322\
 Data File : VN071982.D
 Acq On : 13 Apr 2022 17:41
 Operator : JC\MD
 Sample : N2349-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DEL-6

Quant Time: Apr 14 02:36:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

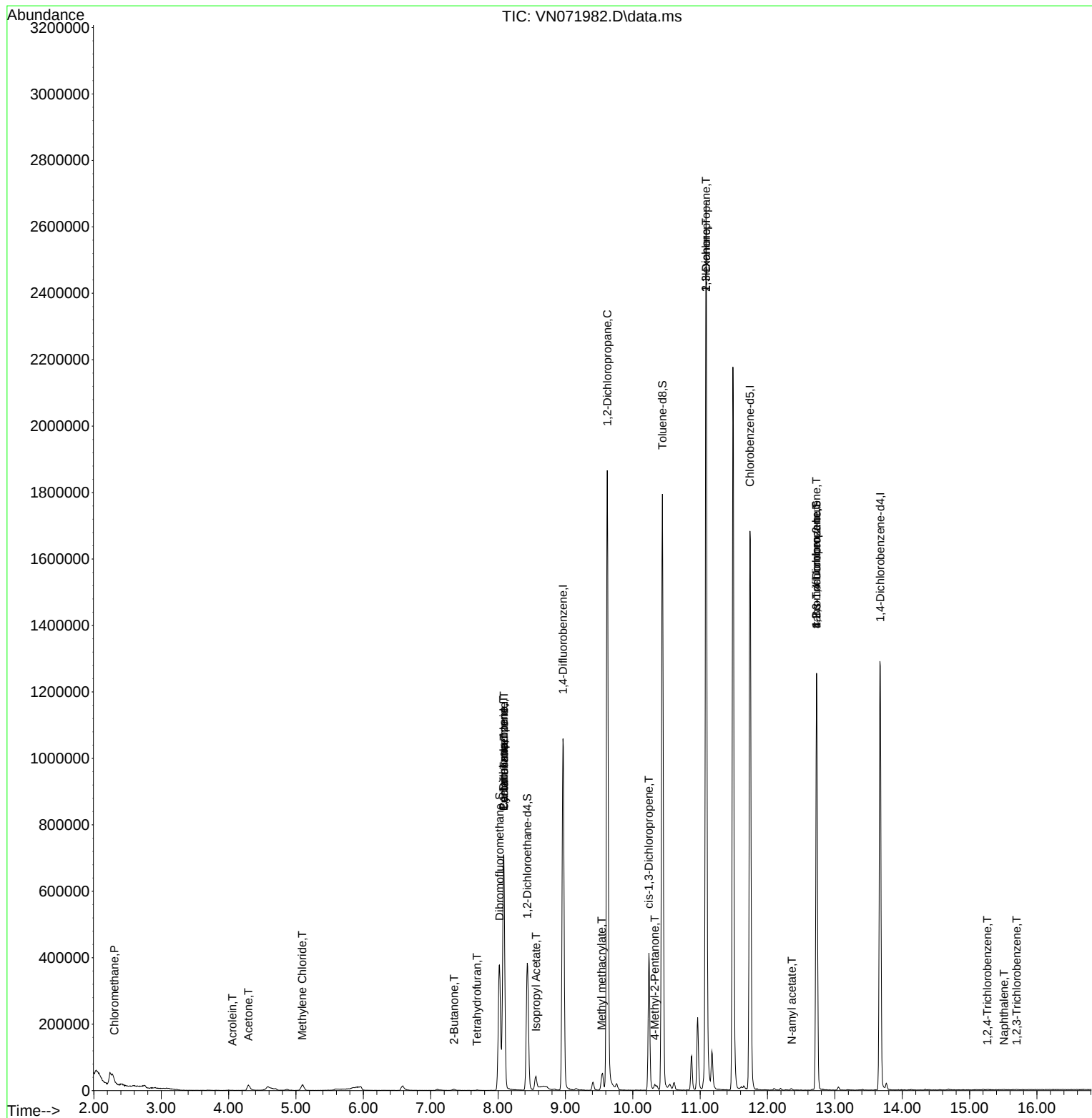
Internal Standards						
1) Pentafluorobenzene	8.086	168	594594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1006926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1083019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	399654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	319560	47.077	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.160%
35) Dibromofluoromethane	8.022	113	286310	48.321	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.640%
50) Toluene-d8	10.439	98	1305269	53.851	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.700%
62) 4-Bromofluorobenzene	12.727	95	445553	56.837	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2184	0.365	ug/l	90
13) Acrolein	4.057	56	431	0.321	ug/l #	70
16) Acetone	4.292	43	26436	9.113	ug/l	93
18) Methyl Acetate	4.863	43	6062	Below Cal	#	81
20) Methylene Chloride	5.092	84	14483	2.369	ug/l	93
25) 2-Butanone	7.345	43	6996	1.673	ug/l	93
29) Tetrahydrofuran	7.686	42	844	0.312	ug/l #	80
31) Cyclohexane	8.086	56	9351	1.013	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	38988	4.712	ug/l #	48
38) Carbon Tetrachloride	8.086	117	52537	6.479	ug/l #	18
43) Isopropyl Acetate	8.563	43	50752	3.369	ug/l #	90
45) 1,2-Dichloropropane	9.622	63	2740	0.420	ug/l #	44
48) Methyl methacrylate	9.539	41	12536	2.006	ug/l #	10
49) 1,4-Dioxane	9.616	88	318	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	8223	0.949	ug/l #	76
54) cis-1,3-Dichloropropene	10.239	75	85992	8.509	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	32340	2.844	ug/l #	42
59) 2-Hexanone	11.086	43	387908	63.616	ug/l #	49
74) N-amyl acetate	12.363	43	4250	0.440	ug/l #	44
76) 1,2,3-Trichloropropane	12.727	75	209301	22.607	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	209301	70.058	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	290	2.129	ug/l #	37
95) Naphthalene	15.509	128	1457	3.877	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.698	180	379	2.473	ug/l #	76

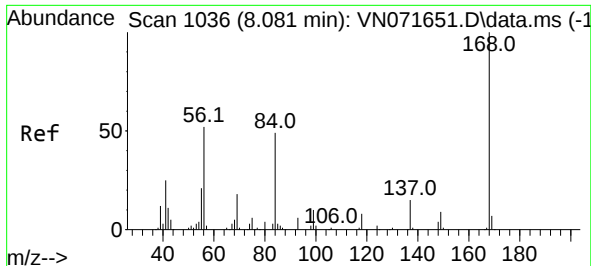
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

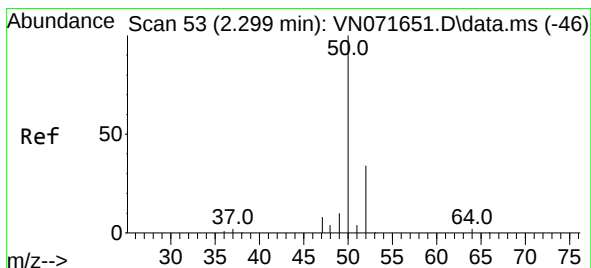
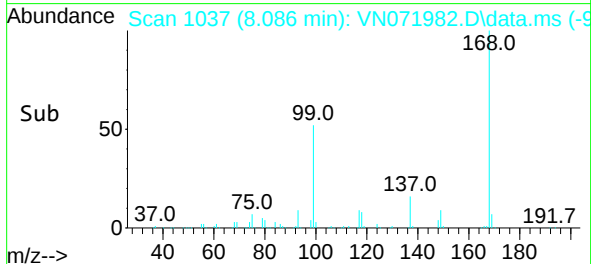
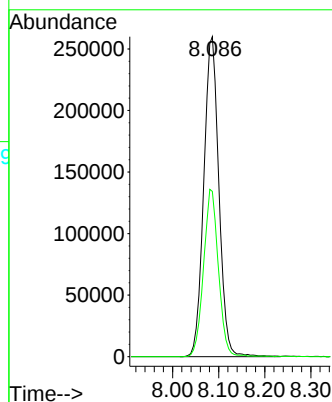
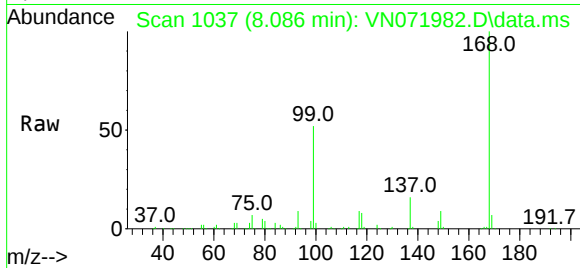




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

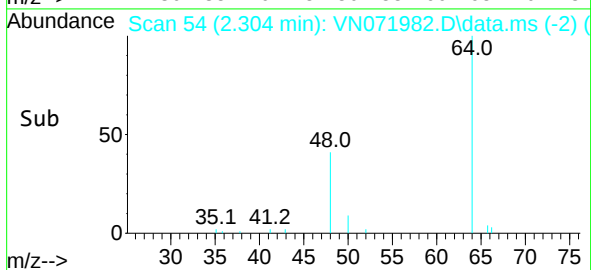
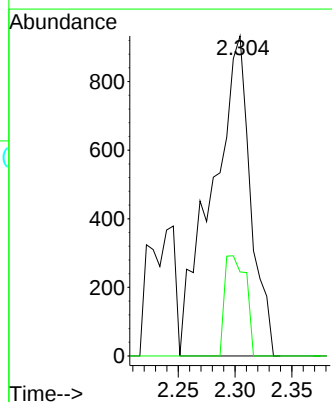
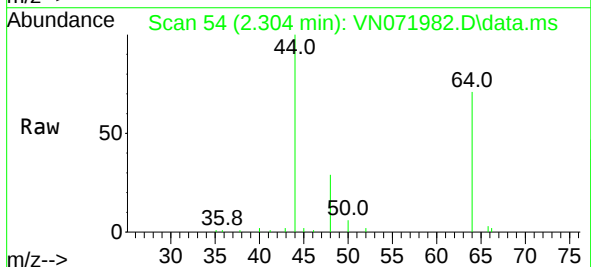
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

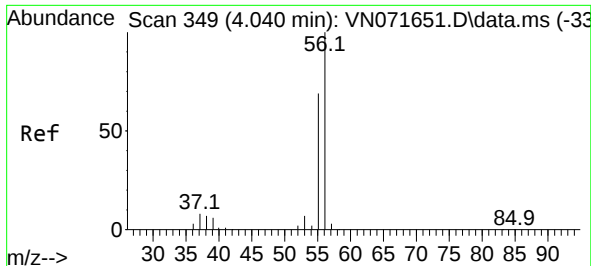
Tgt Ion:168 Resp: 594594
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#3
Chloromethane
Concen: 0.365 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 50 Resp: 2184
Ion Ratio Lower Upper
50 100
52 26.3 25.7 38.5

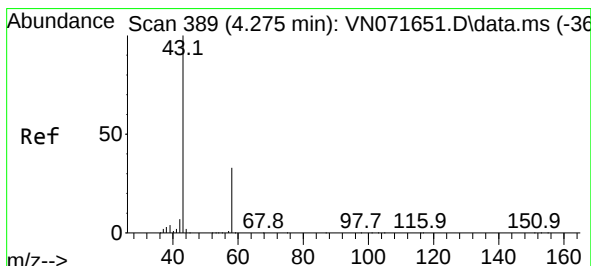
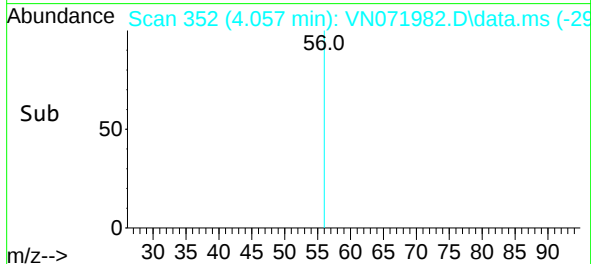
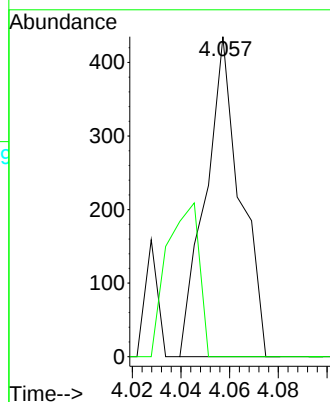
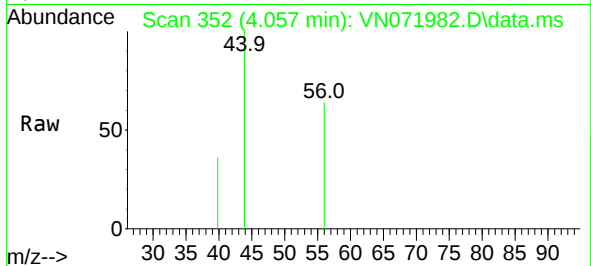




#13
Acrolein
Concen: 0.321 ug/l
RT: 4.057 min Scan# 31
Delta R.T. 0.017 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

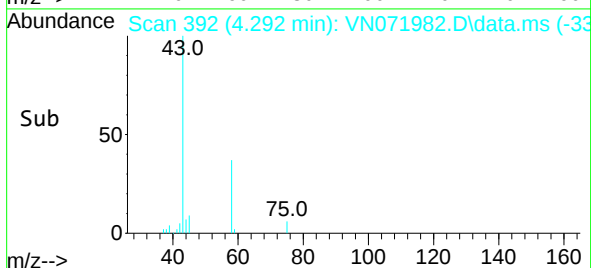
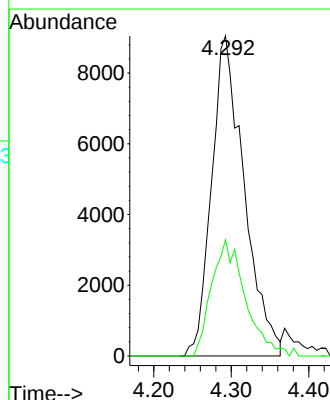
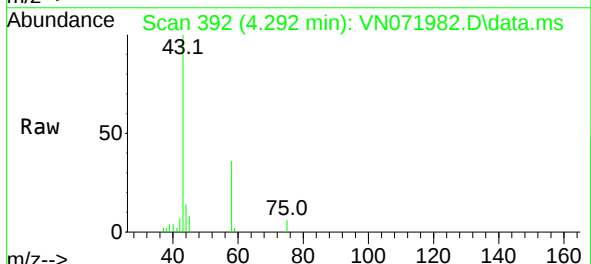
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

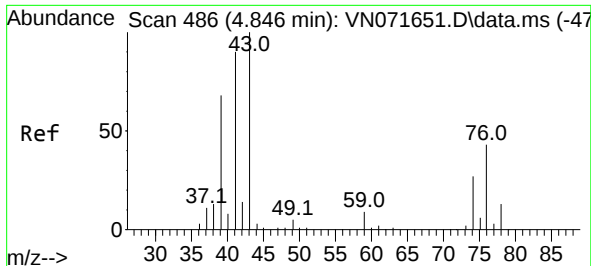
Tgt Ion: 56 Resp: 431
Ion Ratio Lower Upper
56 100
55 44.5 54.8 82.2#



#16
Acetone
Concen: 9.113 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 43 Resp: 26436
Ion Ratio Lower Upper
43 100
58 36.3 26.0 39.0

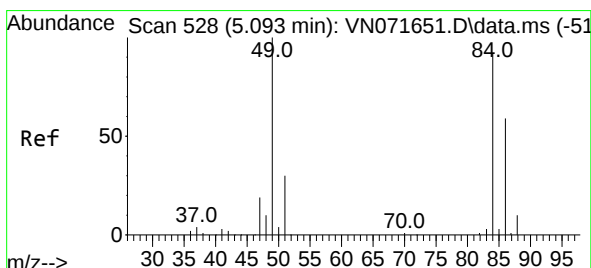
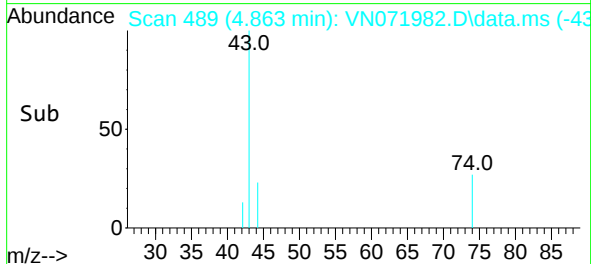
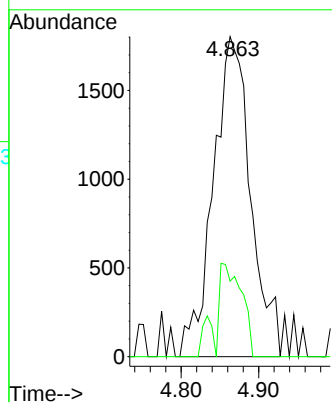
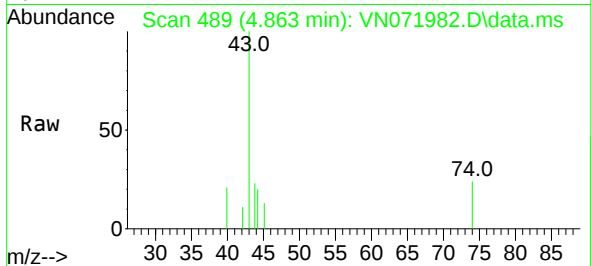




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

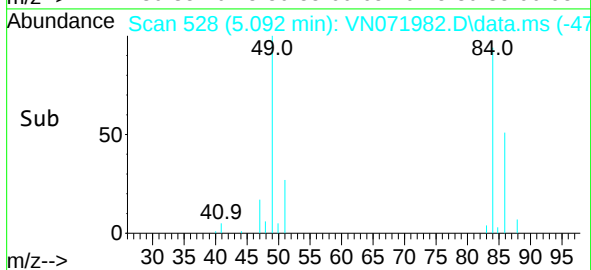
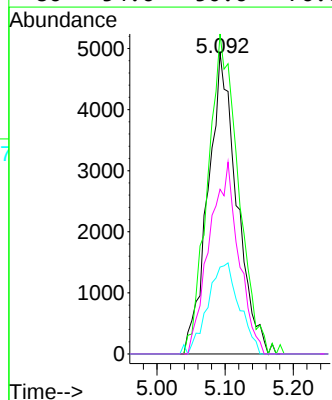
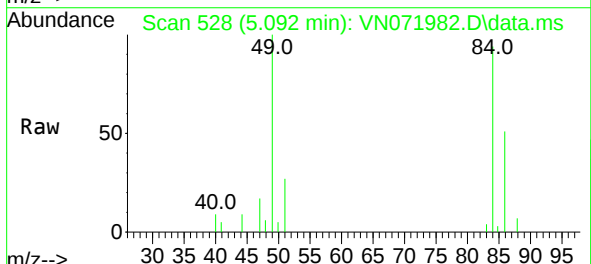
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

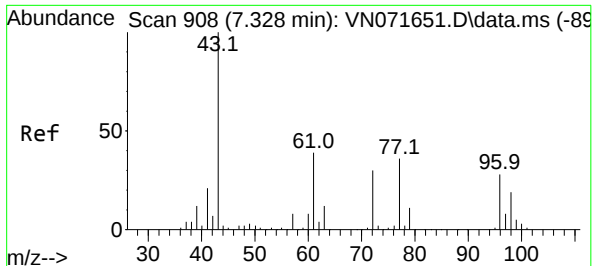
Tgt Ion: 43 Resp: 6062
Ion Ratio Lower Upper
43 100
74 17.0 21.6 32.4#



#20
Methylene Chloride
Concen: 2.369 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 84 Resp: 14483
Ion Ratio Lower Upper
84 100
49 106.2 88.3 132.5
51 28.8 28.2 42.2
86 54.6 50.6 76.0

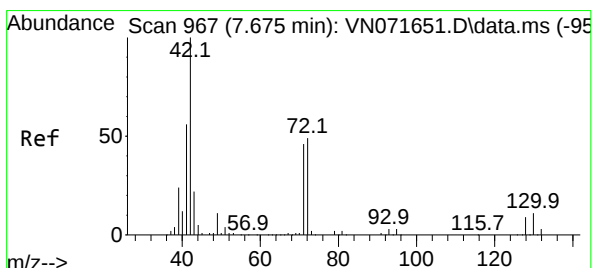
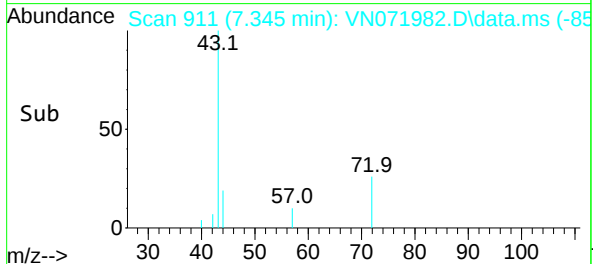
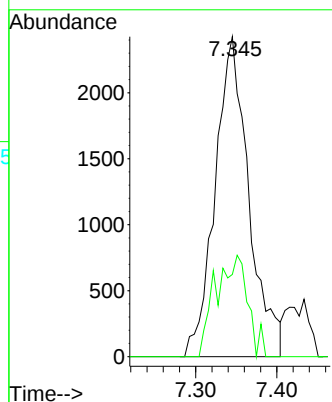
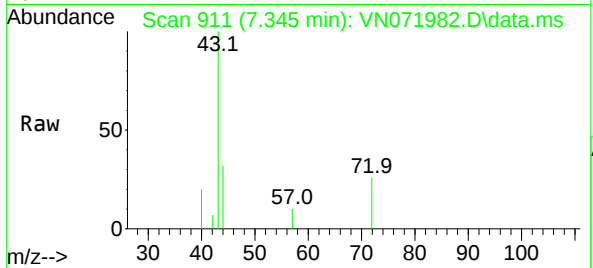




#25
2-Butanone
Concen: 1.673 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

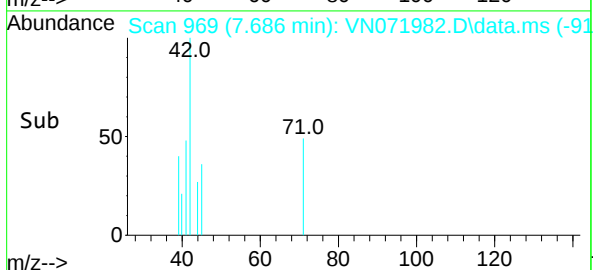
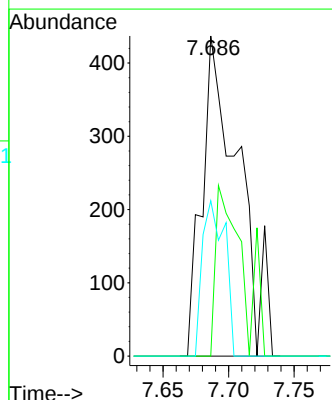
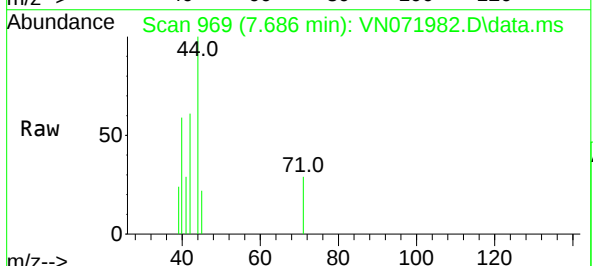
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

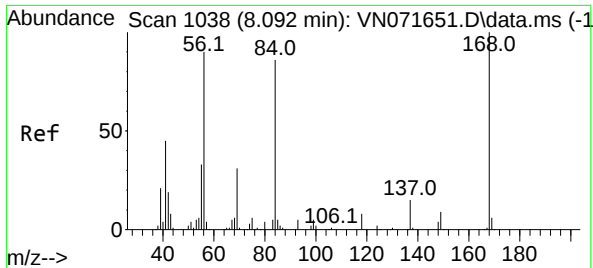
Tgt Ion: 43 Resp: 6996
Ion Ratio Lower Upper
43 100
72 25.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.312 ug/l
RT: 7.686 min Scan# 969
Delta R.T. 0.011 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 42 Resp: 844
Ion Ratio Lower Upper
42 100
72 39.0 39.7 59.5#
71 30.0 36.6 55.0#

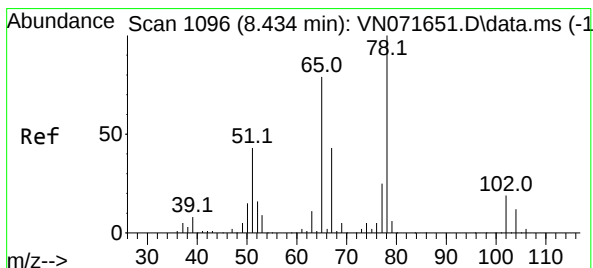
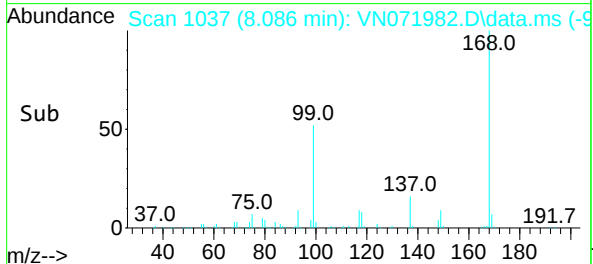
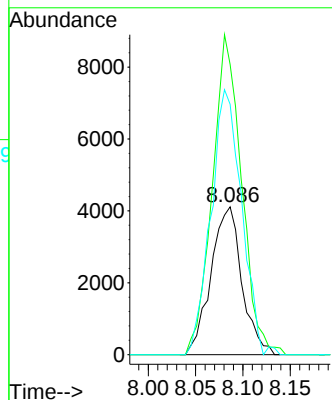
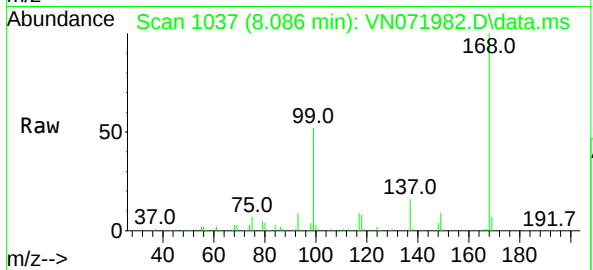




#31
Cyclohexane
Concen: 1.013 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

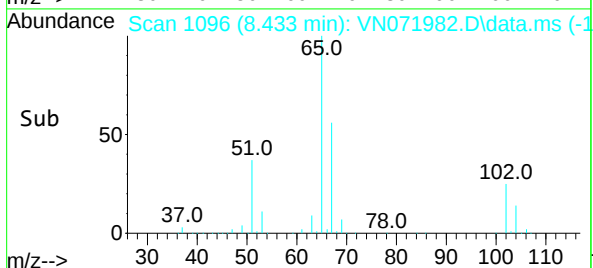
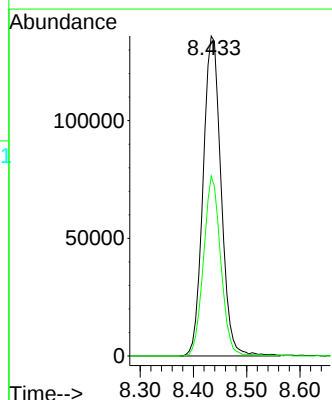
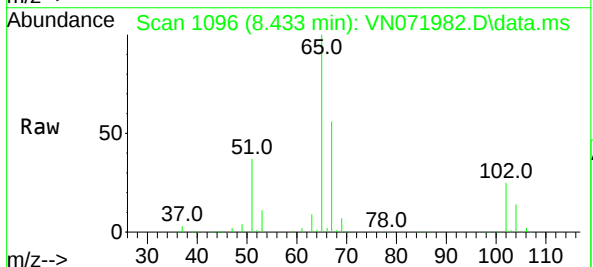
Instrument :
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ClientSampleId :
DEL-6

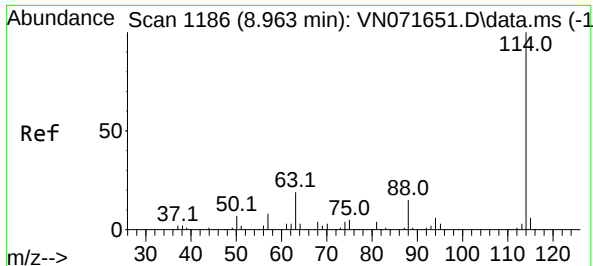
Tgt Ion: 56 Resp: 9351
Ion Ratio Lower Upper
56 100
69 196.3 27.8 41.8#
84 169.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.077 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 65 Resp: 319560
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071982.D

Acq: 13 Apr 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

DEL-6

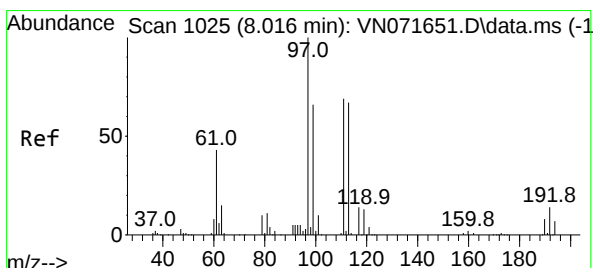
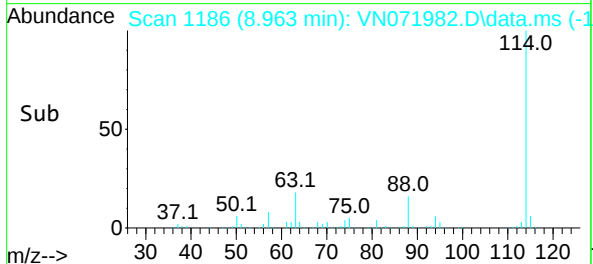
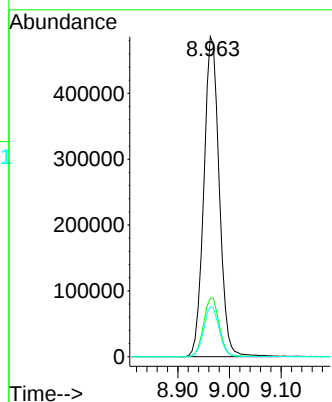
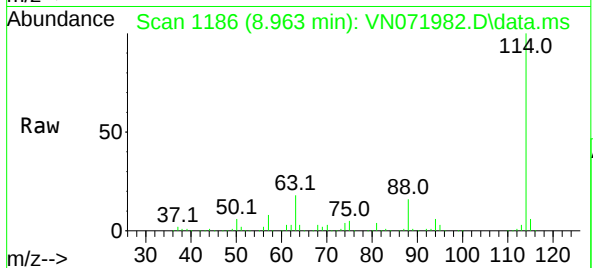
Tgt Ion:114 Resp: 1006926

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.321 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071982.D

Acq: 13 Apr 2022 17:41

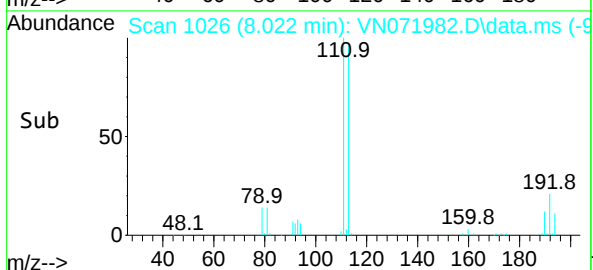
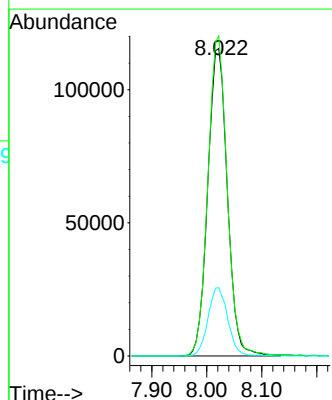
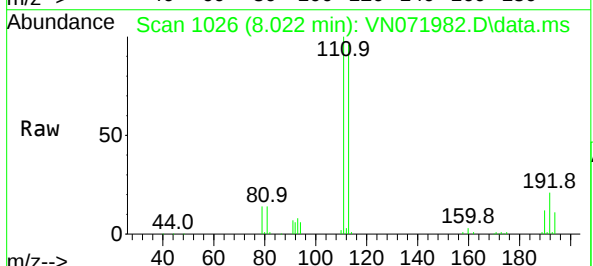
Tgt Ion:113 Resp: 286310

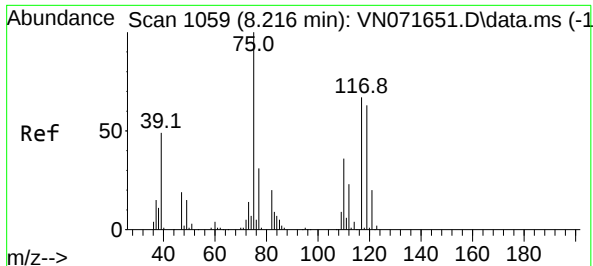
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 22.4 17.0 25.6

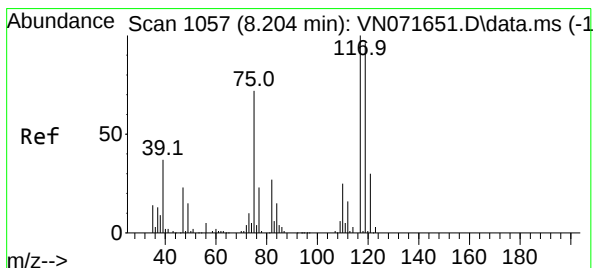
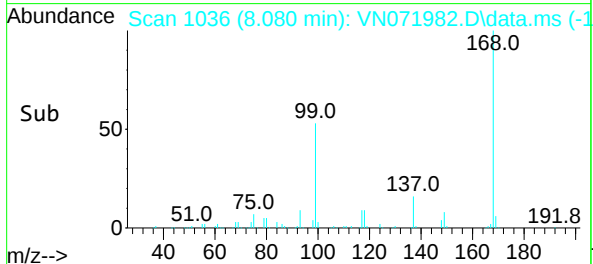
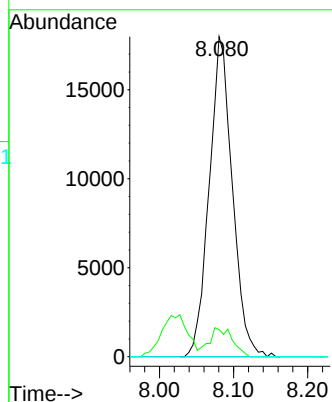
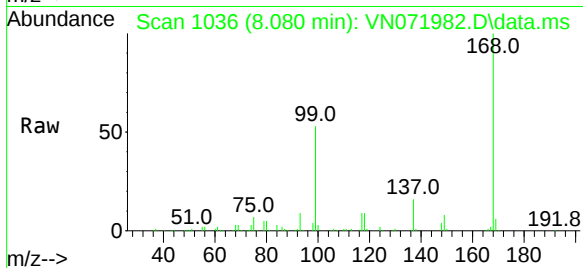




#36
 1,1-Dichloropropene
 Concen: 4.712 ug/l
 RT: 8.080 min Scan# 1036
 Delta R.T. -0.136 min
 Lab File: VN071982.D
 Acq: 13 Apr 2022 17:41

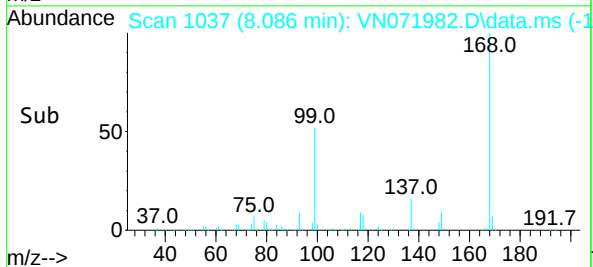
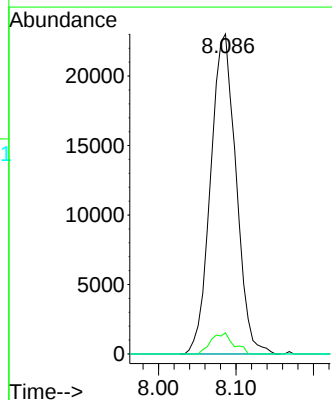
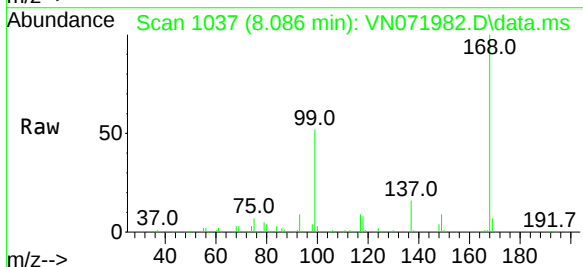
Instrument :
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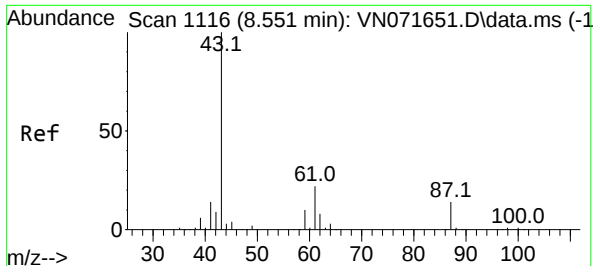
Tgt Ion: 75 Resp: 38988
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.479 ug/l
 RT: 8.086 min Scan# 1037
 Delta R.T. -0.118 min
 Lab File: VN071982.D
 Acq: 13 Apr 2022 17:41

Tgt Ion: 117 Resp: 52537
 Ion Ratio Lower Upper
 117 100
 119 6.6 75.8 113.8#
 121 0.0 24.6 37.0#

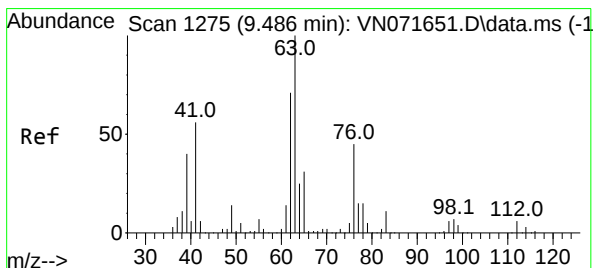
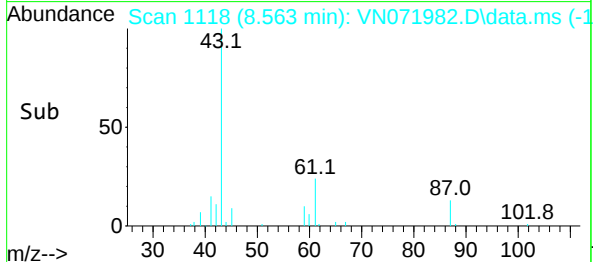
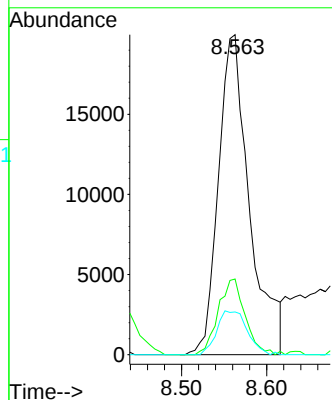
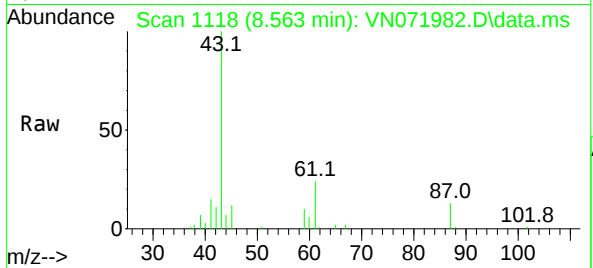




#43
Isopropyl Acetate
Concen: 3.369 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

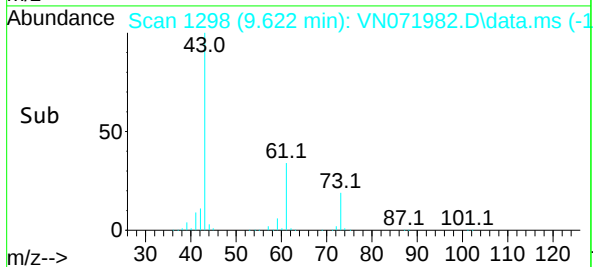
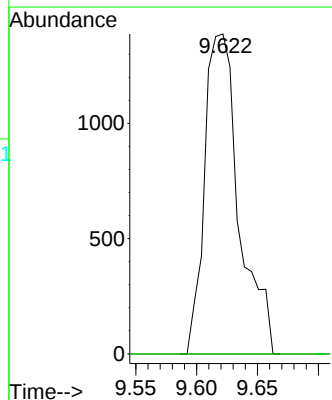
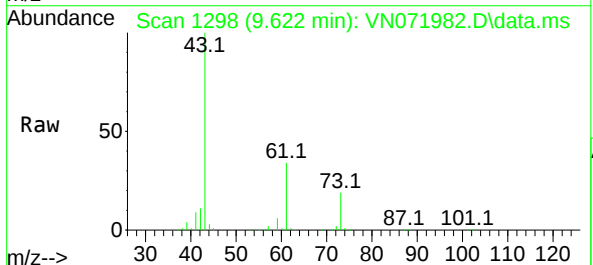
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

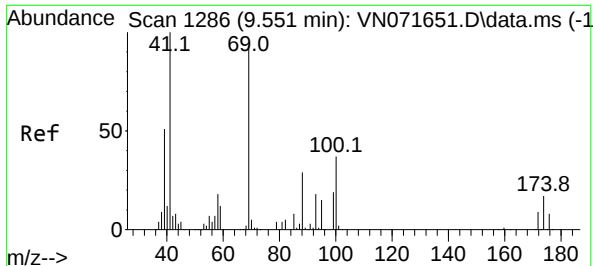
Tgt Ion: 43 Resp: 50752
Ion Ratio Lower Upper
43 100
61 20.5 21.9 32.9#
87 13.4 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.420 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 63 Resp: 2740
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

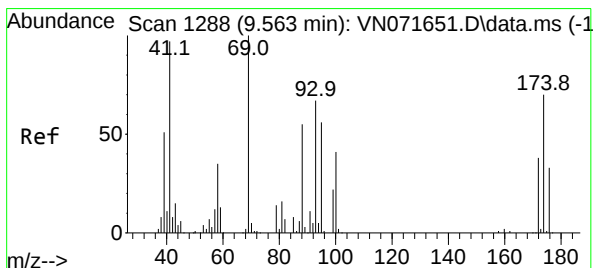
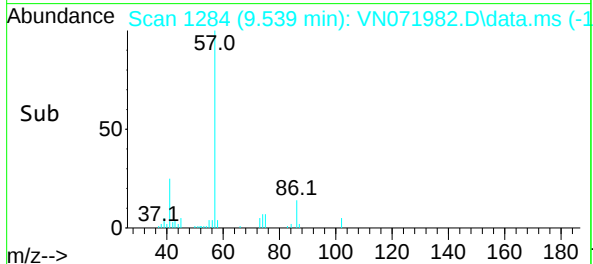
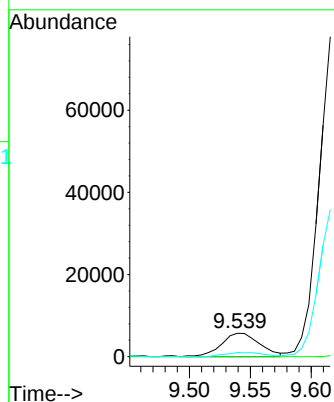
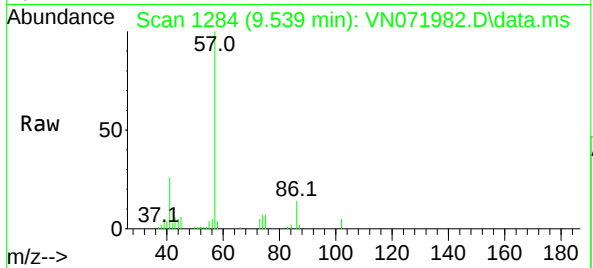




#48
Methyl methacrylate
Concen: 2.006 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

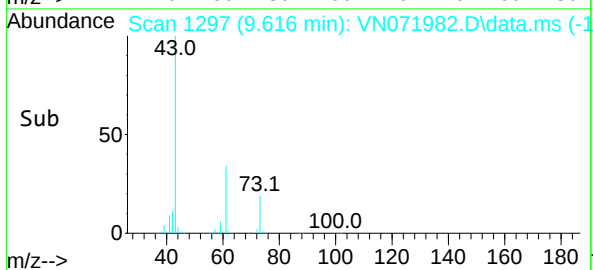
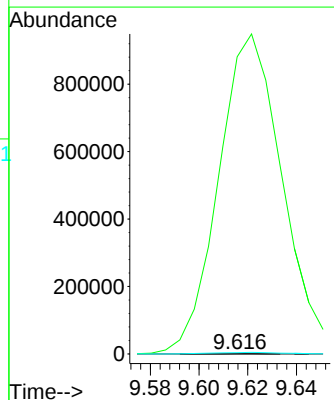
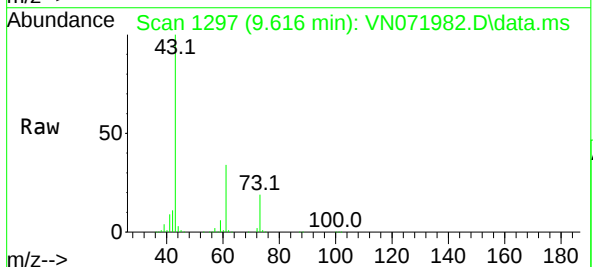
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

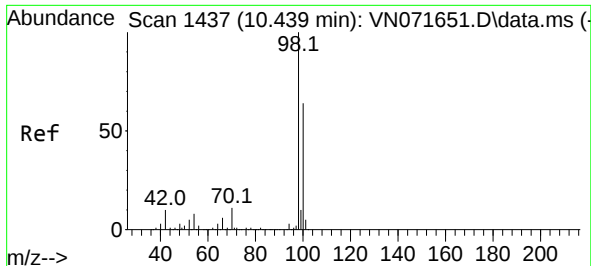
Tgt Ion: 41 Resp: 12536
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 88 Resp: 318
Ion Ratio Lower Upper
88 100
43 557538.1 20.2 30.4#
58 2952.2 54.2 81.4#

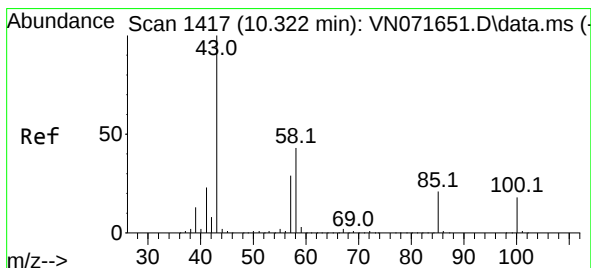
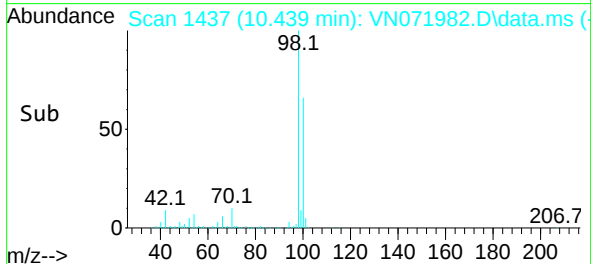
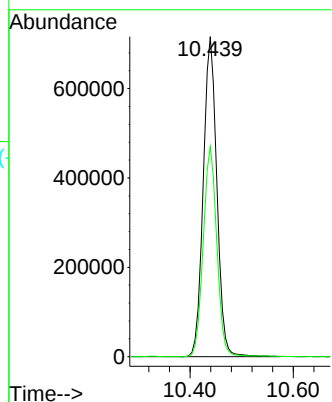
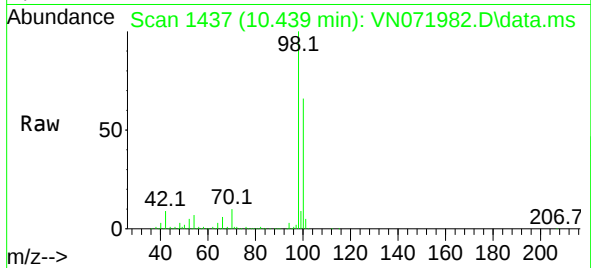




#50
Toluene-d8
Concen: 53.851 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

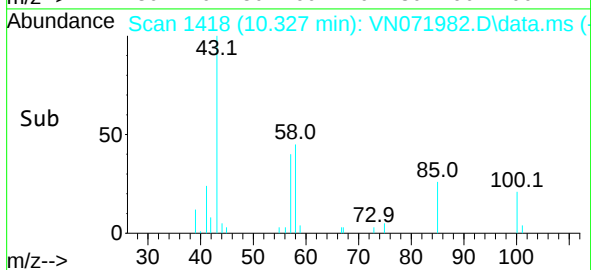
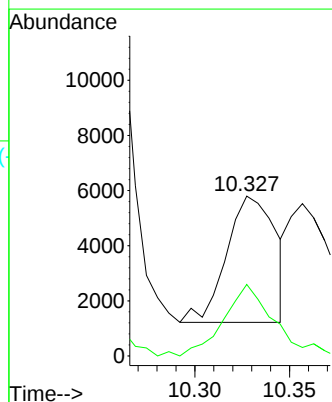
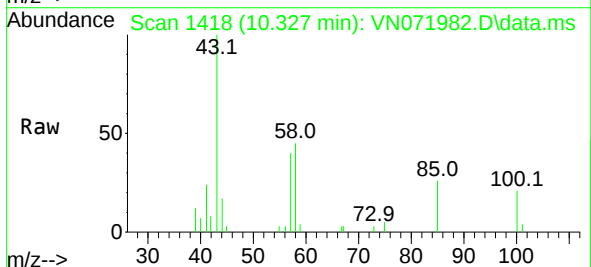
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

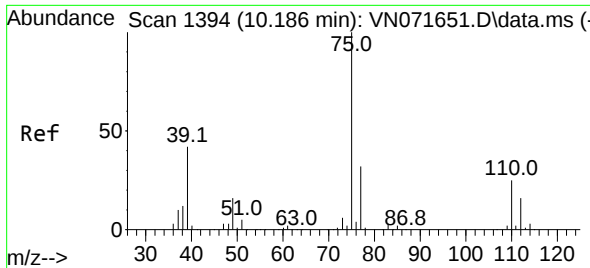
Tgt Ion: 98 Resp: 1305269
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.949 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 43 Resp: 8223
Ion Ratio Lower Upper
43 100
58 57.8 34.1 51.1#

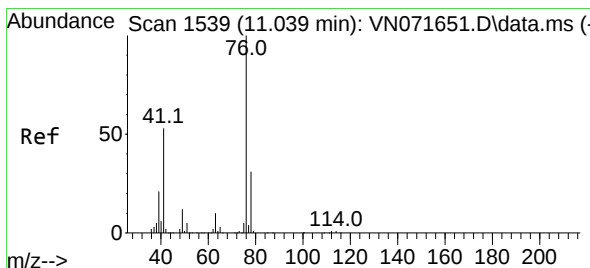
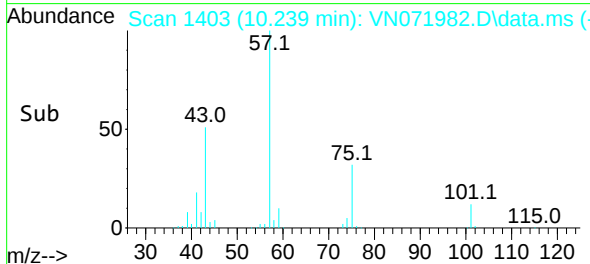
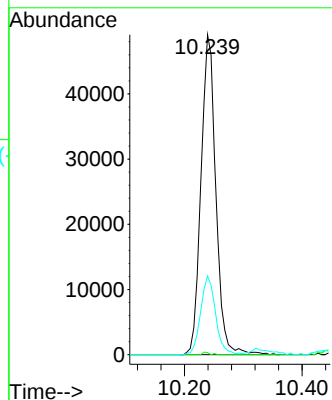
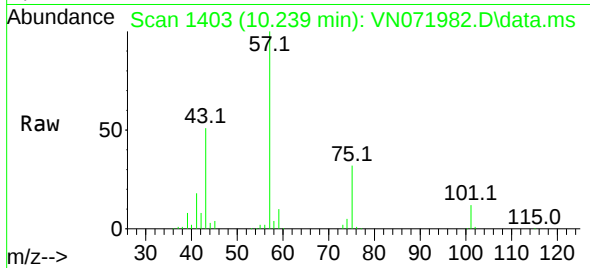




#54
 cis-1,3-Dichloropropene
 Concen: 8.509 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071982.D
 Acq: 13 Apr 2022 17:41

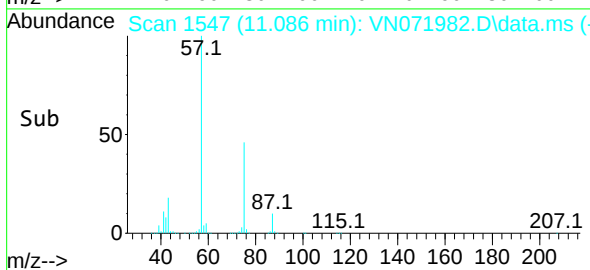
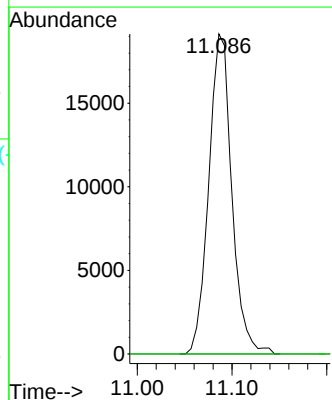
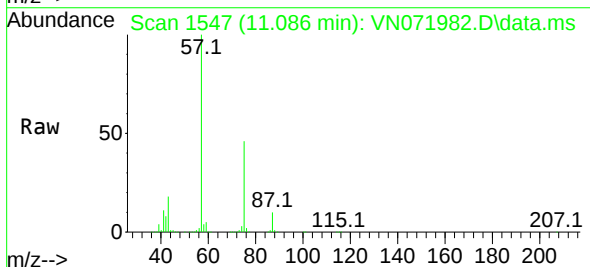
Instrument :
 MSVOA_N
 ClientSampleId :
 DEL-6

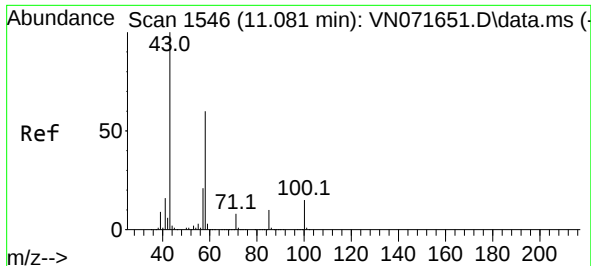
Tgt Ion: 75 Resp: 85992
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 24.6 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 2.844 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071982.D
 Acq: 13 Apr 2022 17:41

Tgt Ion: 76 Resp: 32340
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

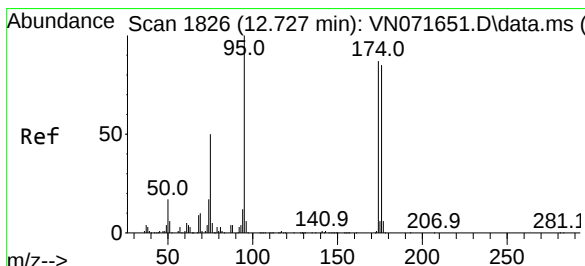
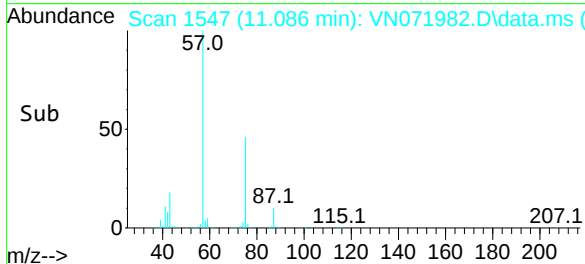
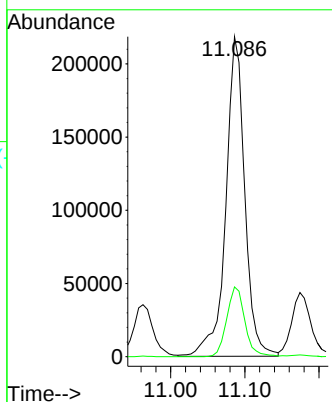
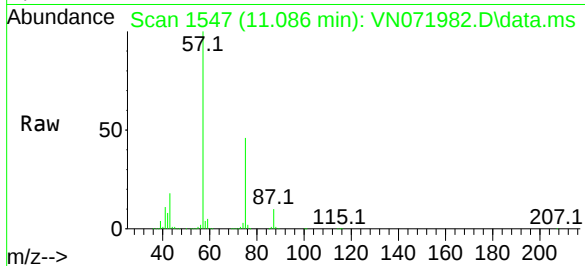




#59
2-Hexanone
Concen: 63.616 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

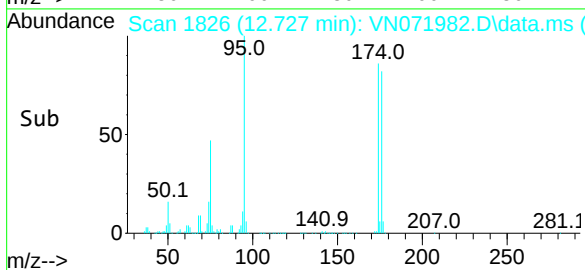
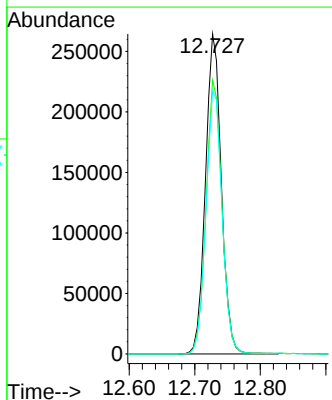
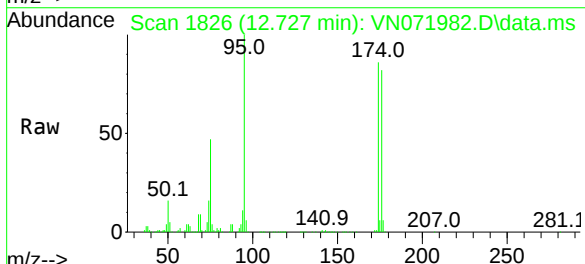
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

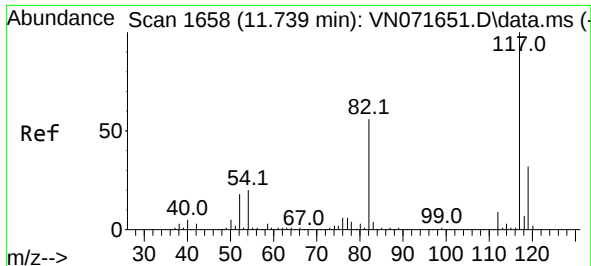
Tgt Ion: 43 Resp: 387908
Ion Ratio Lower Upper
43 100
58 21.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.837 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 95 Resp: 445553
Ion Ratio Lower Upper
95 100
174 86.0 0.0 167.6
176 83.7 0.0 163.4

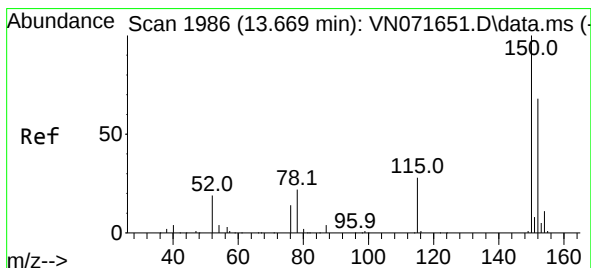
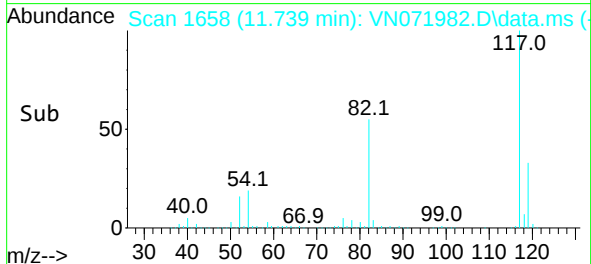
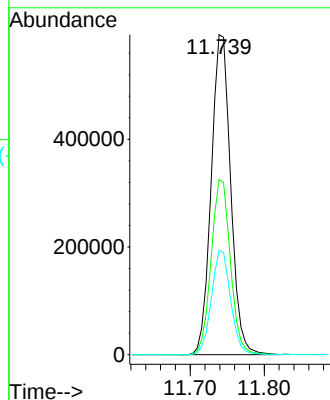
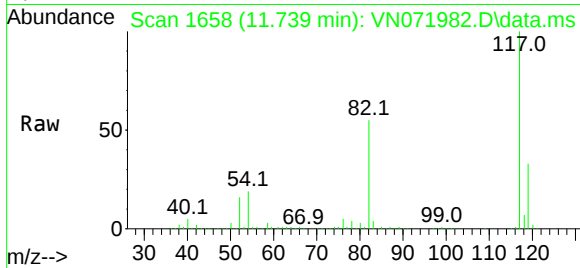




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

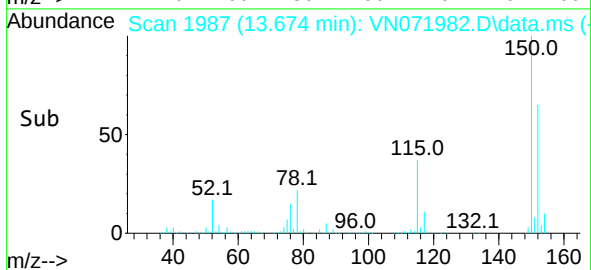
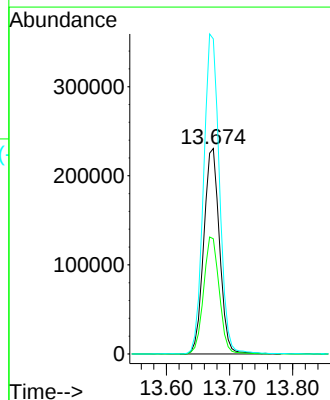
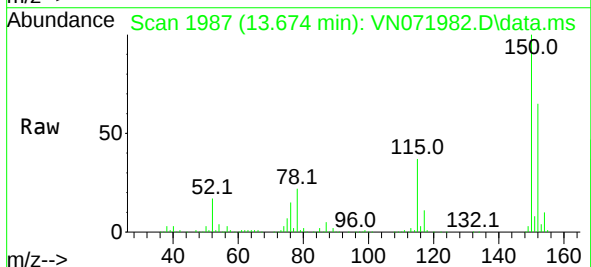
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

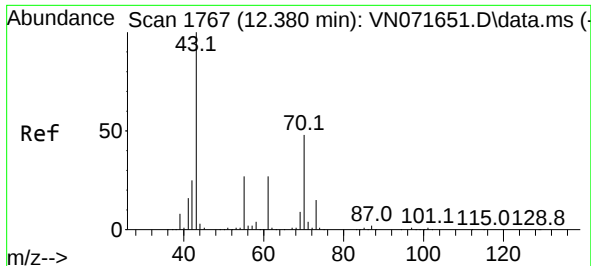
Tgt Ion:117 Resp: 1083019
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion:152 Resp: 399654
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 156.1 0.0 356.2

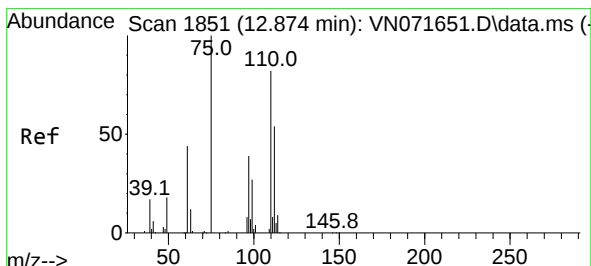
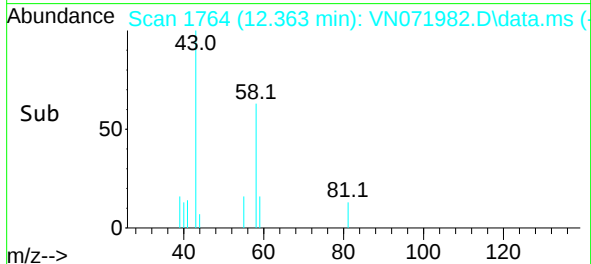
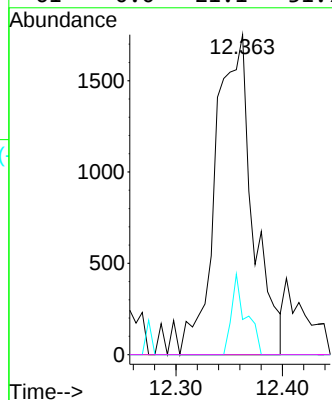
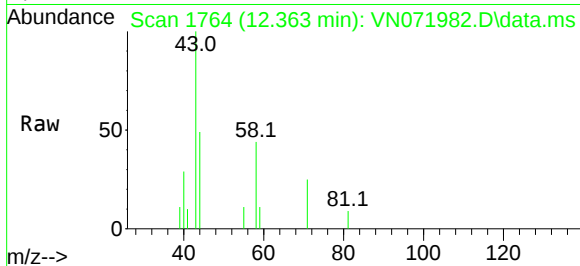




#74
N-amy1 acetate
Concen: 0.440 ug/l
RT: 12.363 min Scan# 1764
Delta R.T. -0.017 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

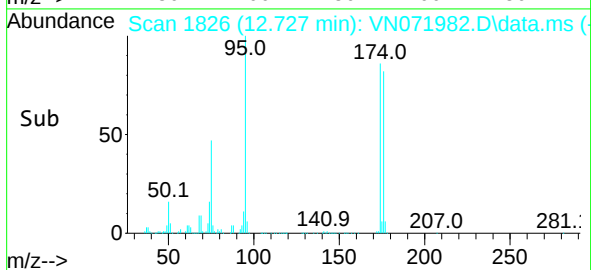
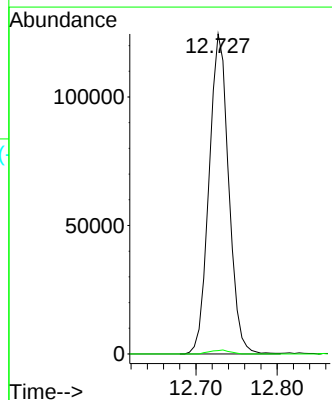
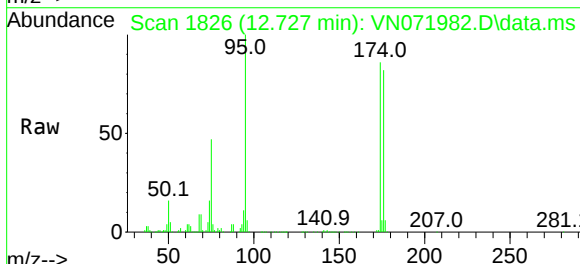
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

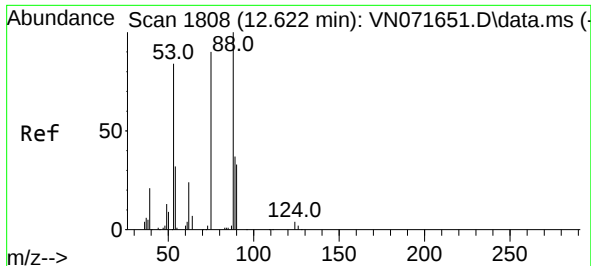
Tgt Ion: 43 Resp: 4250
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 9.9 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.607 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion: 75 Resp: 209301
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

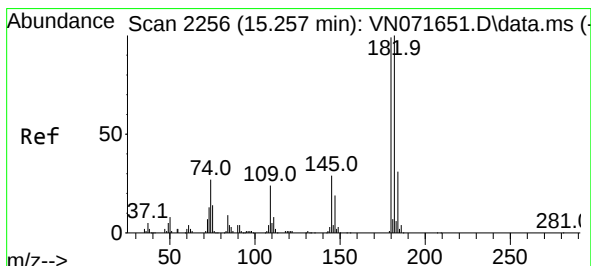
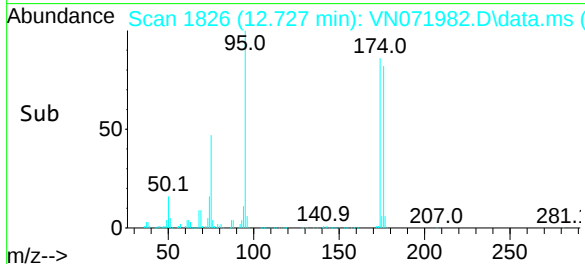
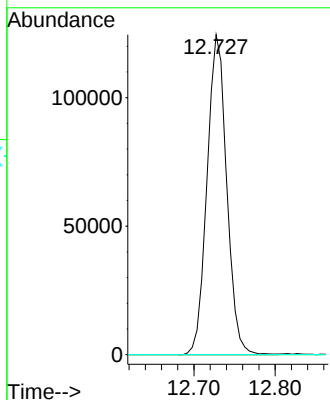
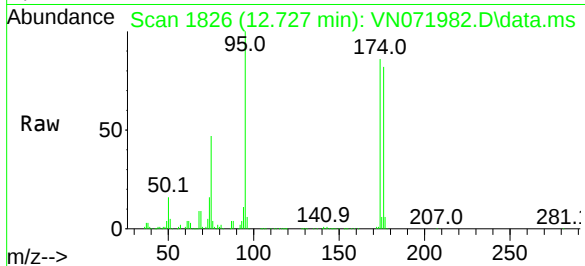




#81
trans-1,4-Dichloro-2-butene
Concen: 70.058 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

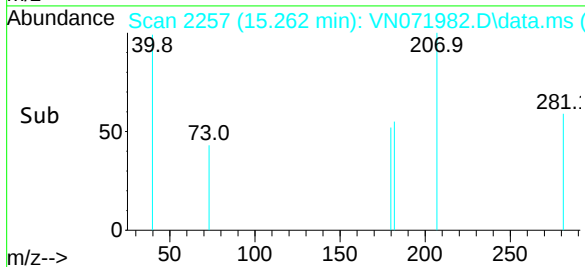
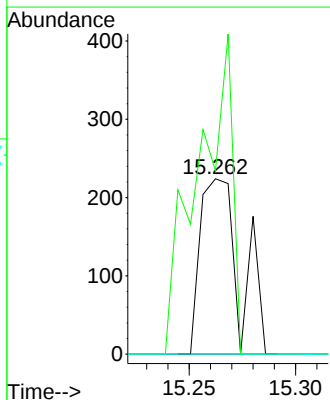
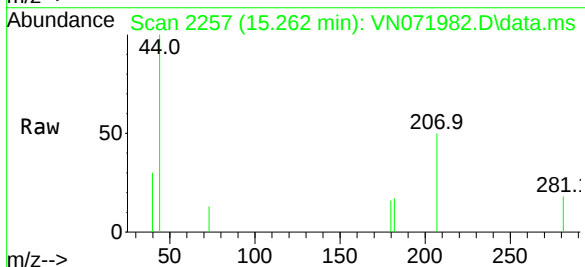
Instrument :
MSVOA_N
ClientSampleId :
DEL-6

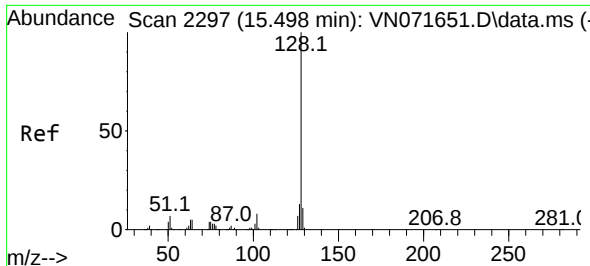
Tgt Ion: 75 Resp: 209301
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.129 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion:180 Resp: 290
Ion Ratio Lower Upper
180 100
182 159.0 47.5 142.5#
145 0.0 14.5 43.5#

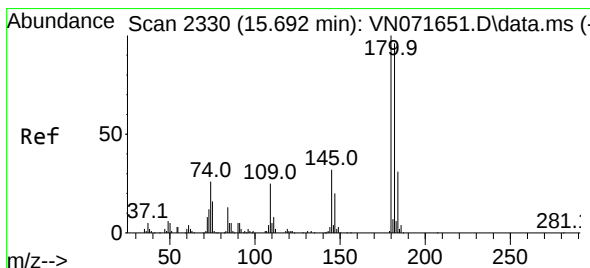
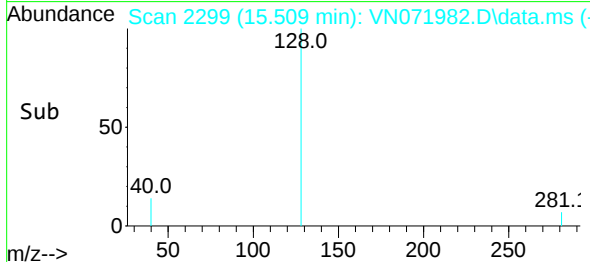
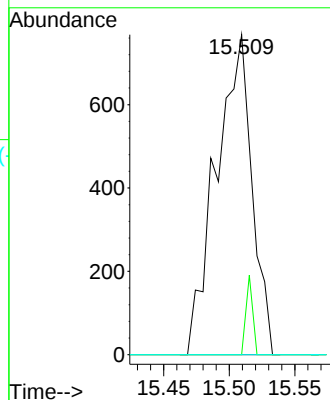
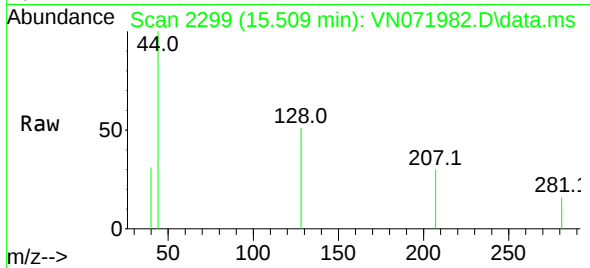




#95
Naphthalene
Concen: 3.877 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :
DEL-6

Tgt Ion:128 Resp: 1457
Ion Ratio Lower Upper
128 100
127 4.6 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.473 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071982.D
Acq: 13 Apr 2022 17:41

Tgt Ion:180 Resp: 379
Ion Ratio Lower Upper
180 100
182 82.6 47.8 143.3
145 0.0 15.5 46.5#

