

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041222\
 Data File : VN071961.D
 Acq On : 12 Apr 2022 18:14
 Operator : JC\MD
 Sample : N2349-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DEL-7

Quant Time: Apr 13 04:46:58 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)

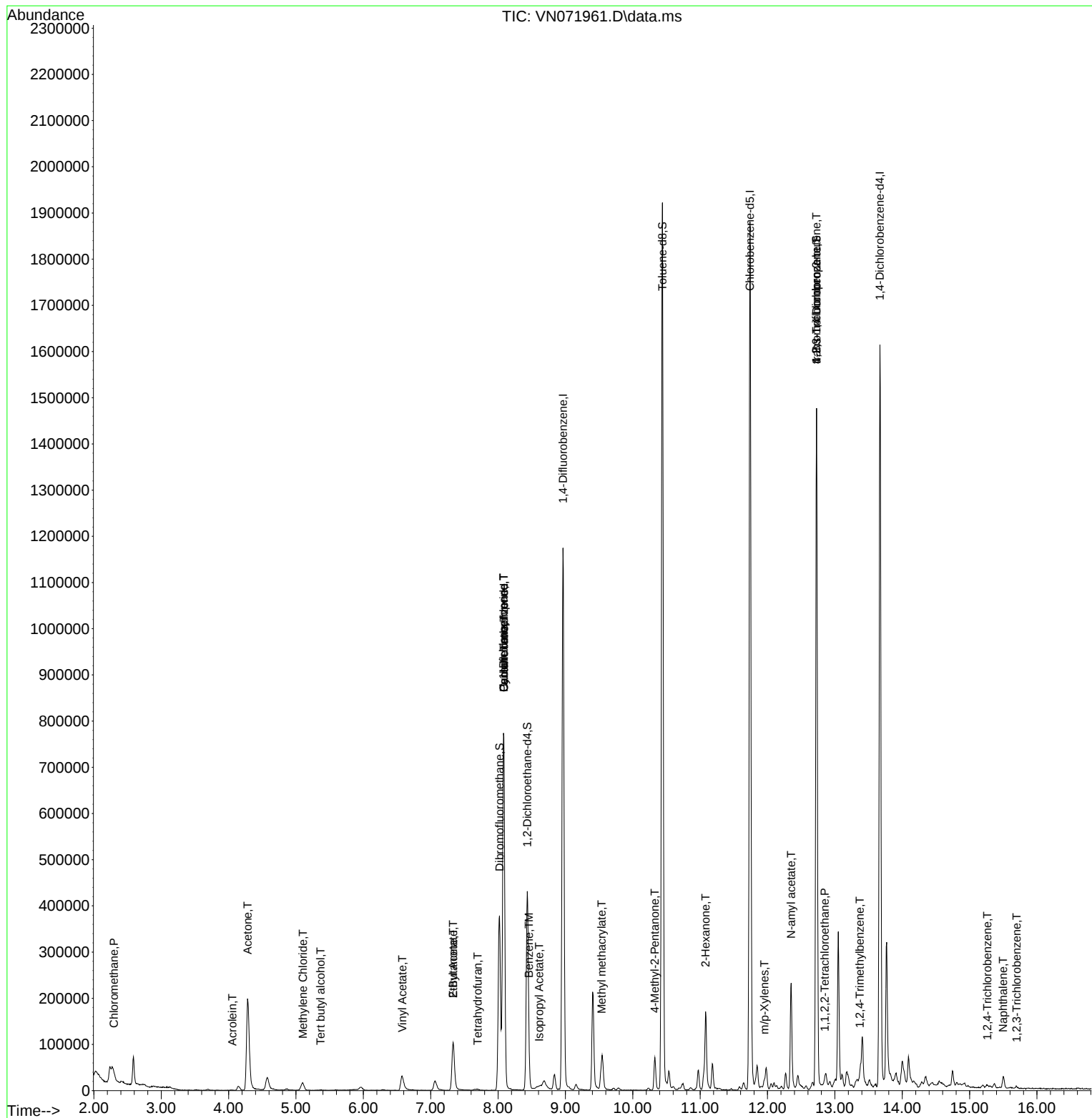
Internal Standards						
1) Pentafluorobenzene	8.086	168	655286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1118153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1181002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	487088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	350552	46.860	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.720%
35) Dibromofluoromethane	8.022	113	288098	43.786	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	87.580%
50) Toluene-d8	10.439	98	1402609	52.111	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.220%
62) 4-Bromofluorobenzene	12.727	95	529048	60.775	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	121.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2499	0.379	ug/l #	67
11) Tert butyl alcohol	5.363	59	1949	1.605	ug/l #	72
13) Acrolein	4.057	56	961	0.649	ug/l #	79
16) Acetone	4.281	43	369847	115.684	ug/l	96
18) Methyl Acetate	4.869	43	4913	Below Cal		99
20) Methylene Chloride	5.104	84	14322	2.125	ug/l #	80
23) Vinyl Acetate	6.581	43	5710	0.376	ug/l #	68
25) 2-Butanone	7.333	43	175455	38.068	ug/l	99
29) Tetrahydrofuran	7.698	42	1229	0.412	ug/l #	50
31) Cyclohexane	8.086	56	11006	1.082	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	42475	4.623	ug/l #	49
37) Ethyl Acetate	7.333	43	175455	17.446	ug/l #	67
38) Carbon Tetrachloride	8.086	117	57123	6.343	ug/l #	16
40) Benzene	8.457	78	11660	0.402	ug/l	94
43) Isopropyl Acetate	8.610	43	9655	0.577	ug/l #	53
48) Methyl methacrylate	9.539	41	25250	3.638	ug/l #	26
51) 4-Methyl-2-Pentanone	10.327	43	48308	5.023	ug/l	98
59) 2-Hexanone	11.080	43	134869	19.918	ug/l	87
68) m/p-Xylenes	11.957	106	6452	0.419	ug/l	89
74) N-amyl acetate	12.351	43	143997	12.244	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.851	83	7307	0.534	ug/l #	91
76) 1,2,3-Trichloropropane	12.727	75	253957	22.506	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	253957	69.747	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.368	105	9141	0.288	ug/l	85
93) 1,2,4-Trichlorobenzene	15.262	180	1597	2.283	ug/l #	83
95) Naphthalene	15.498	128	28088	4.973	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	1546	2.610	ug/l	94

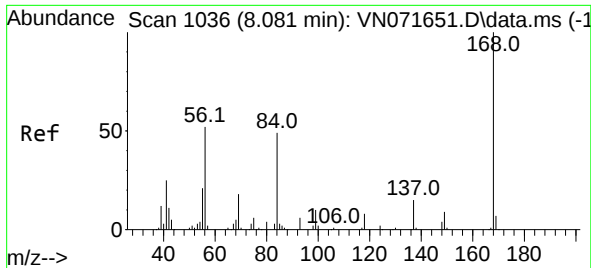
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041222\
Data File : VN071961.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

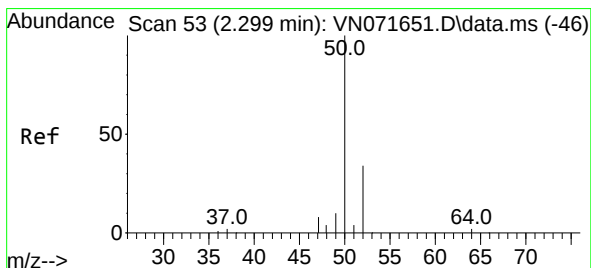
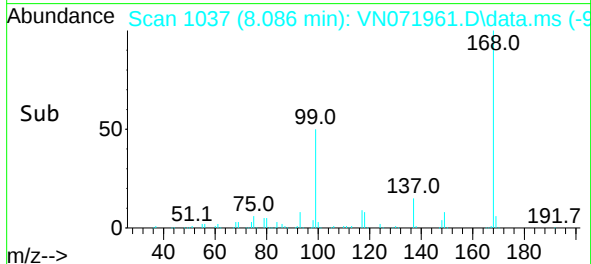
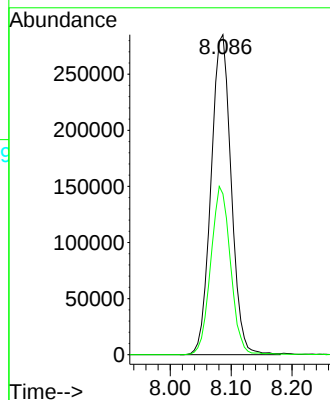
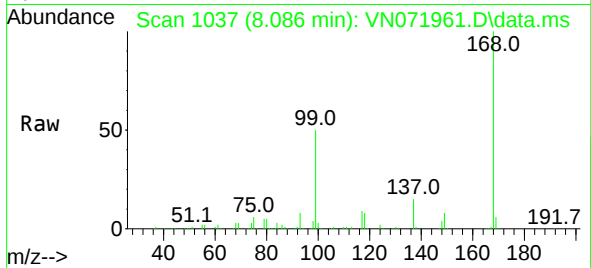




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

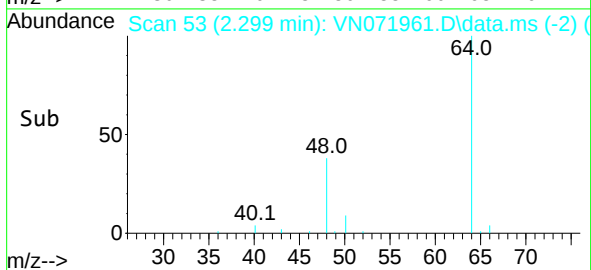
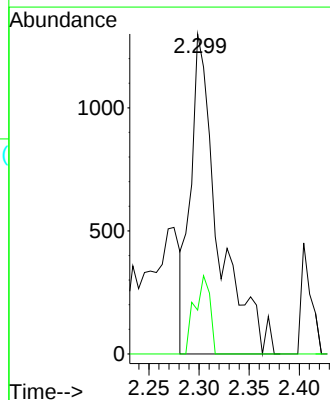
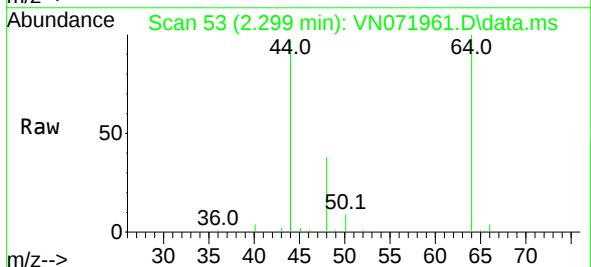
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

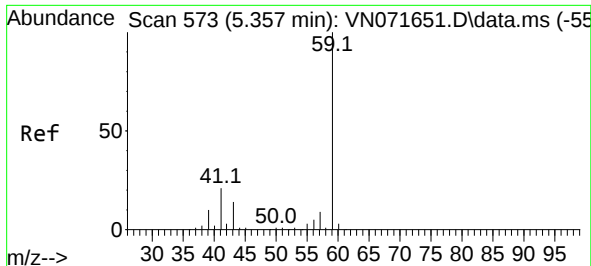
Tgt Ion:168 Resp: 655286
Ion Ratio Lower Upper
168 100
99 50.2 42.3 63.5



#3
Chloromethane
Concen: 0.379 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 50 Resp: 2499
Ion Ratio Lower Upper
50 100
52 13.7 25.7 38.5#

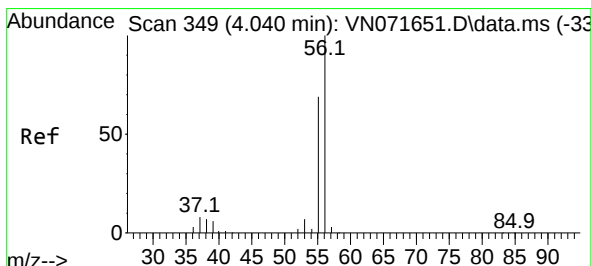
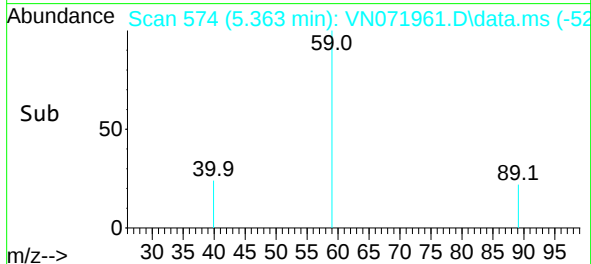
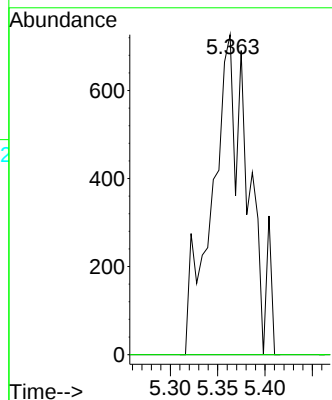
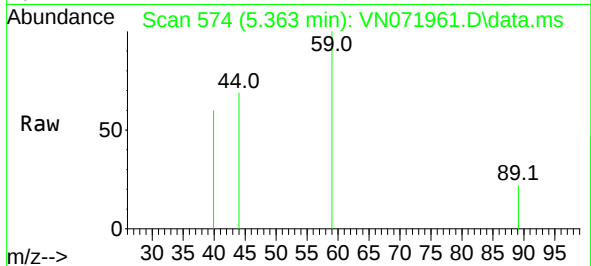




#11
Tert butyl alcohol
Concen: 1.605 ug/l
RT: 5.363 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

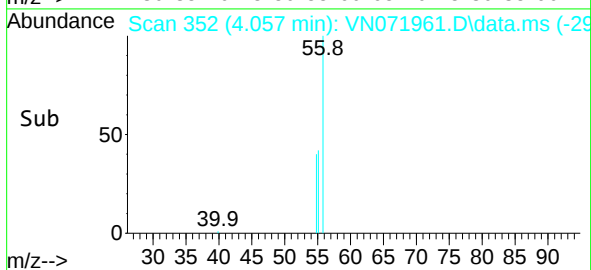
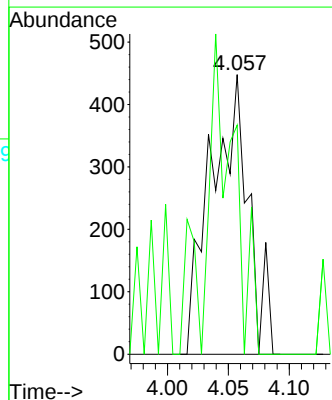
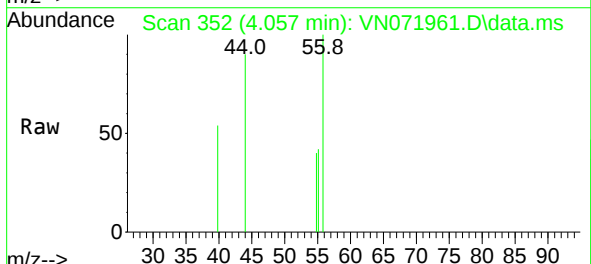
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

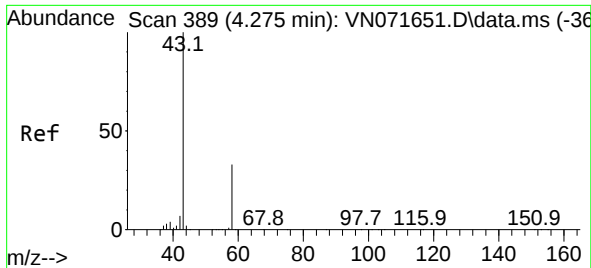
Tgt Ion: 59 Resp: 1949
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.649 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.017 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 56 Resp: 961
Ion Ratio Lower Upper
56 100
55 85.7 54.8 82.2#

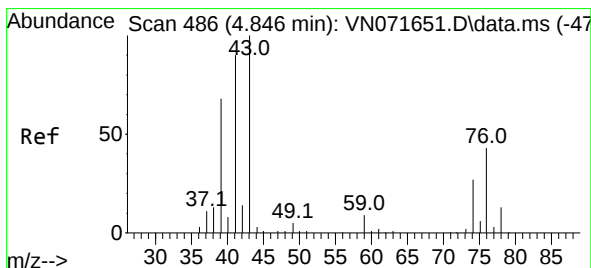
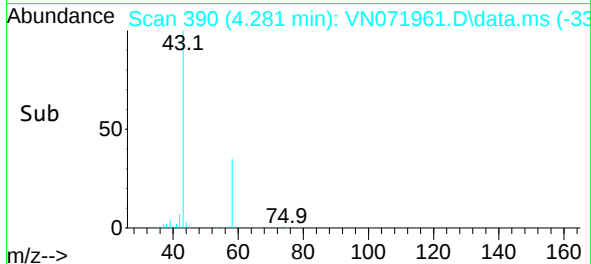
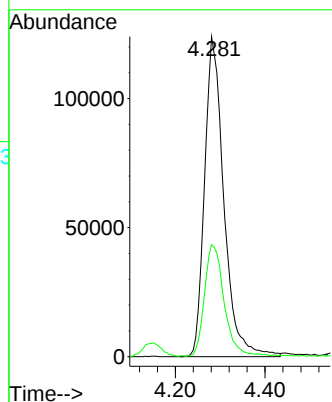
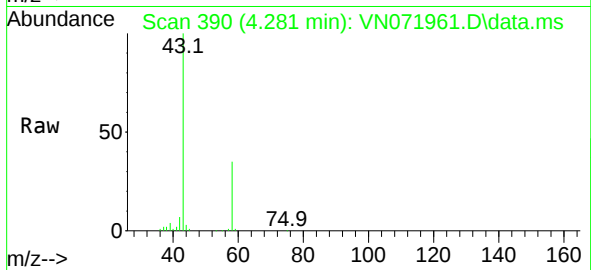




#16
Acetone
Concen: 115.684 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

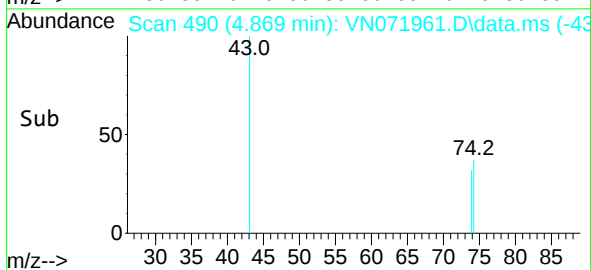
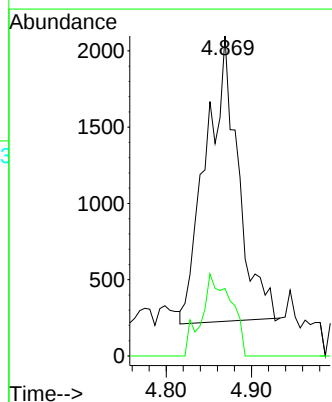
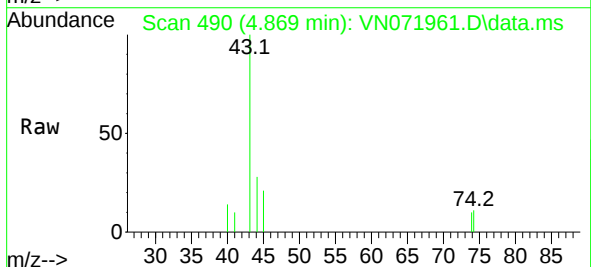
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

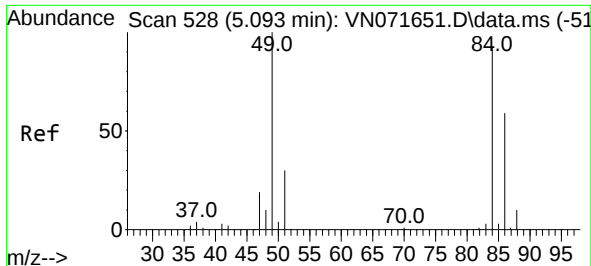
Tgt Ion: 43 Resp: 369847
Ion Ratio Lower Upper
43 100
58 34.8 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 43 Resp: 4913
Ion Ratio Lower Upper
43 100
74 26.5 21.6 32.4

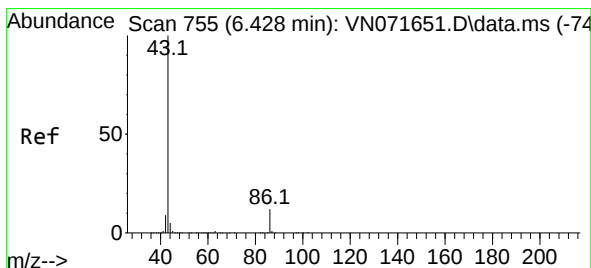
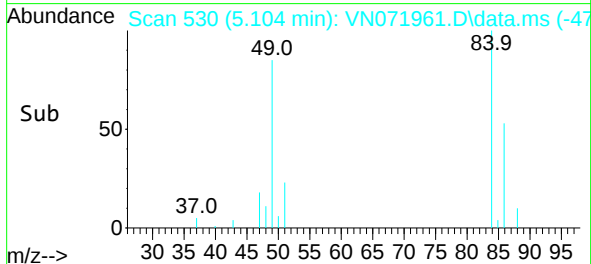
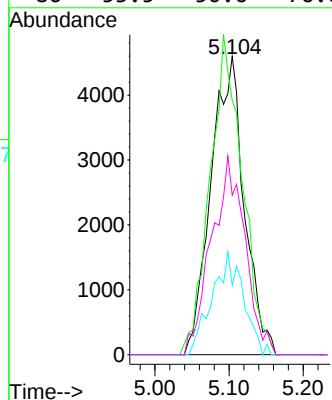
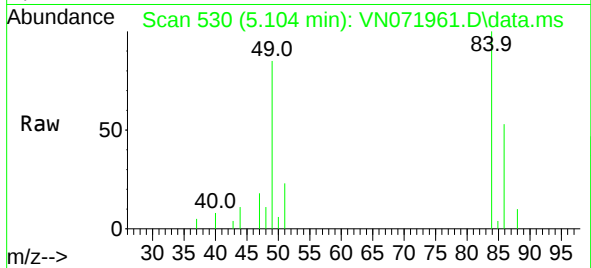




#20
Methylene Chloride
Concen: 2.125 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

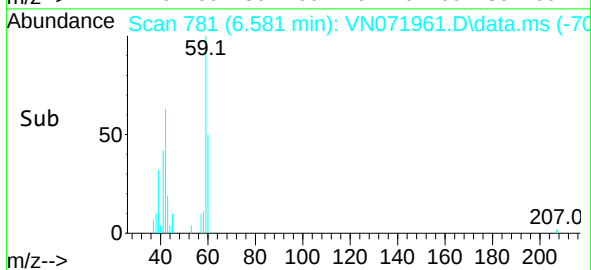
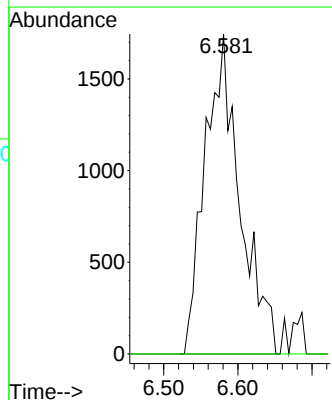
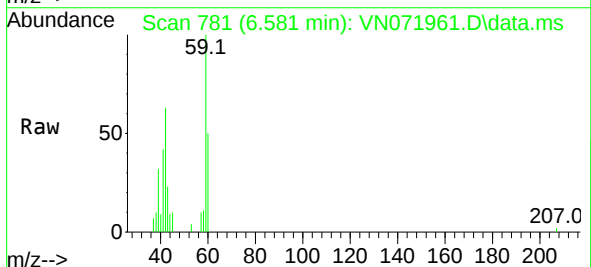
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

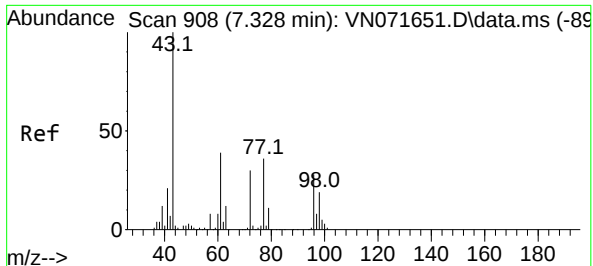
Tgt Ion: 84	Resp: 14322
Ion Ratio	Lower Upper
84 100	
49 85.3	88.3 132.5#
51 23.2	28.2 42.2#
86 53.5	50.6 76.0



#23
Vinyl Acetate
Concen: 0.376 ug/l
RT: 6.581 min Scan# 781
Delta R.T. 0.153 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 43	Resp: 5710		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	10.0	15.0#	





#25

2-Butanone

Concen: 38.068 ug/l

RT: 7.333 min Scan# 908

Delta R.T. 0.005 min

Lab File: VN071961.D

Acq: 12 Apr 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

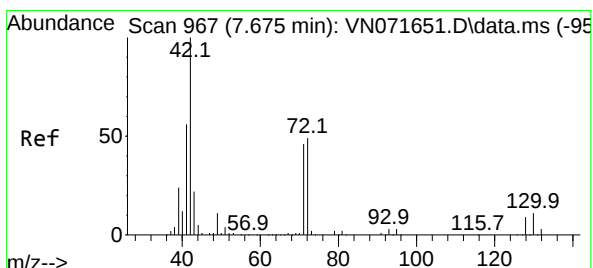
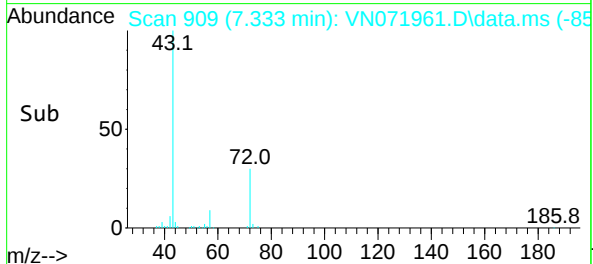
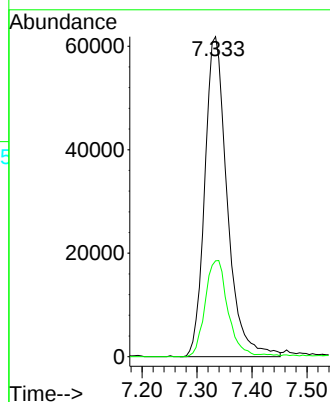
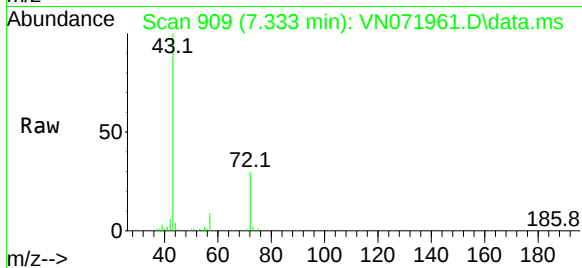
DEL-7

Tgt Ion: 43 Resp: 175455

Ion Ratio Lower Upper

43 100

72 30.0 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.412 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN071961.D

Acq: 12 Apr 2022 18:14

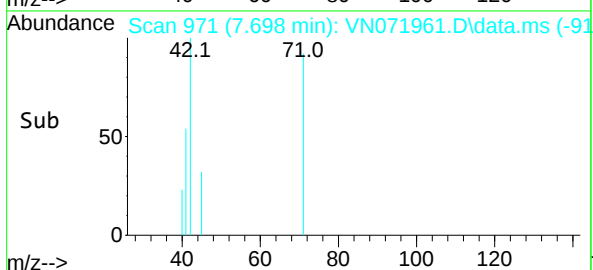
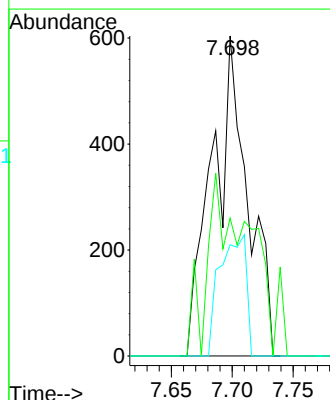
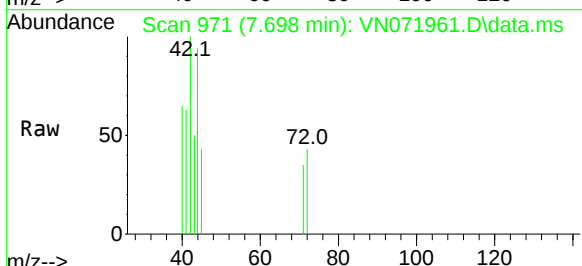
Tgt Ion: 42 Resp: 1229

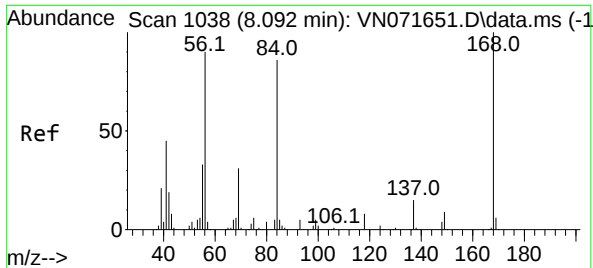
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 28.1 36.6 55.0#

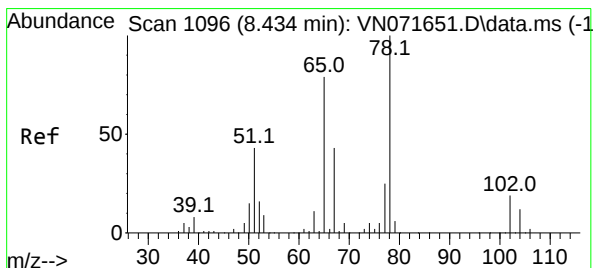
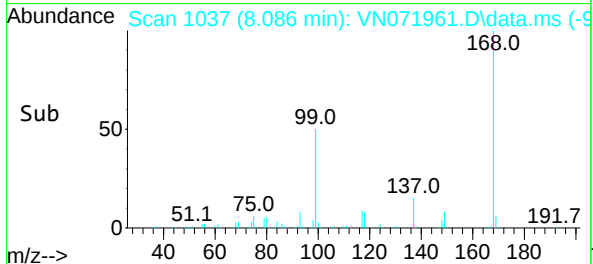
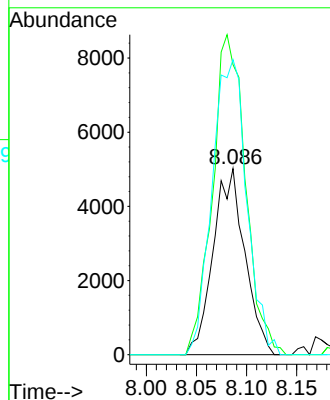
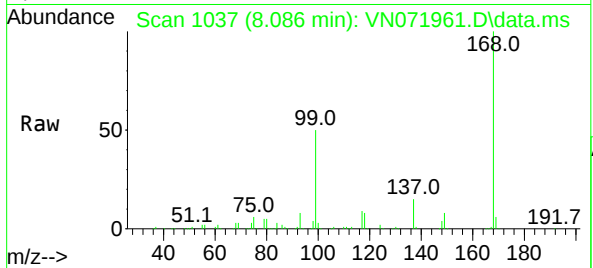




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

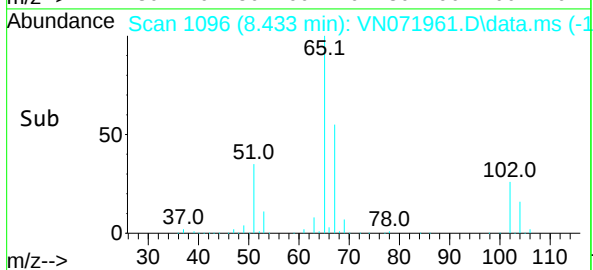
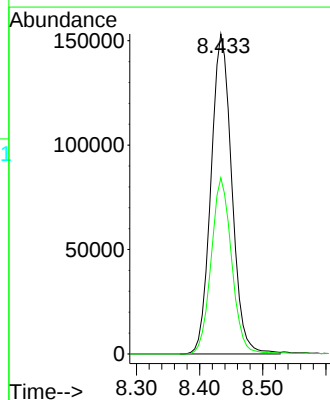
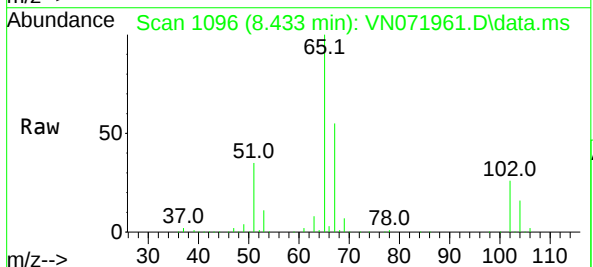
Instrument :
MSVOA_N
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DEL-7

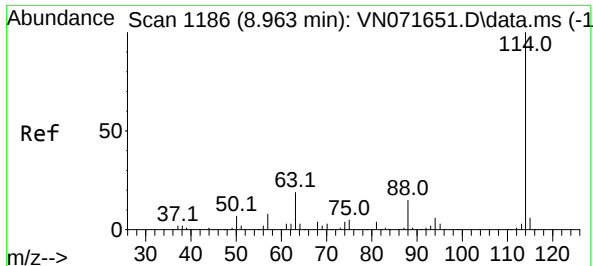
Tgt Ion: 56 Resp: 11006
Ion Ratio Lower Upper
56 100
69 155.9 27.8 41.8#
84 158.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.860 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 65 Resp: 350552
Ion Ratio Lower Upper
65 100
67 54.1 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: VN071961.D

Acq: 12 Apr 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

DEL-7

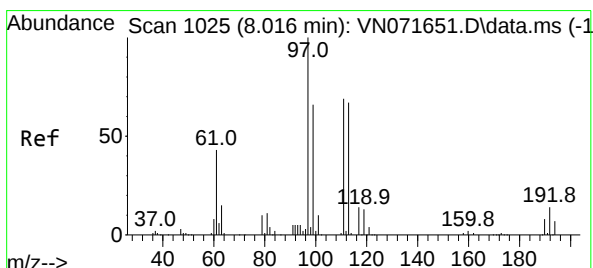
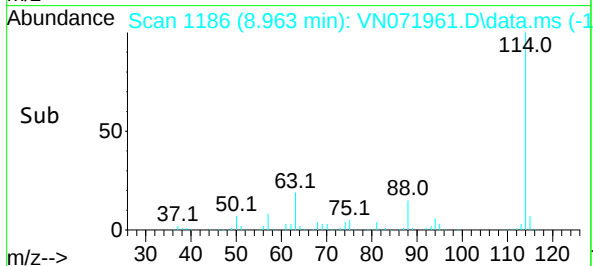
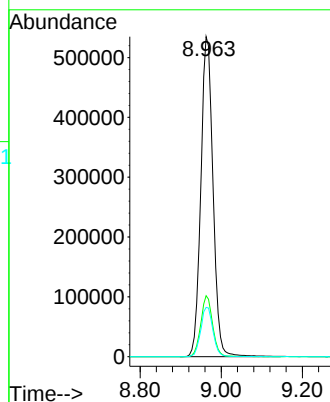
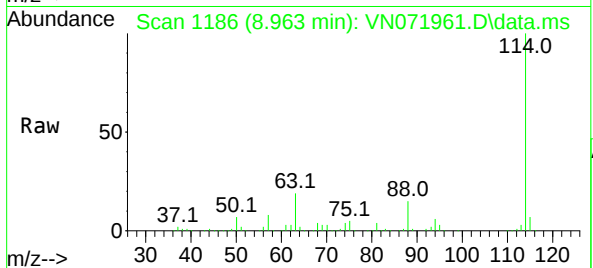
Tgt Ion:114 Resp: 1118153

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 43.786 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071961.D

Acq: 12 Apr 2022 18:14

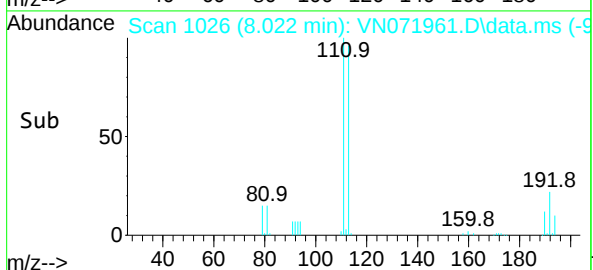
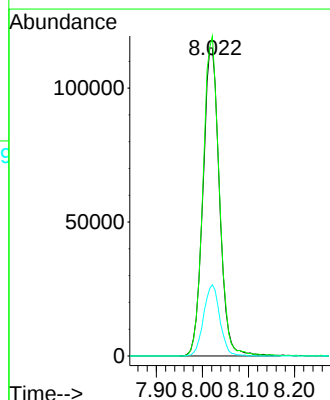
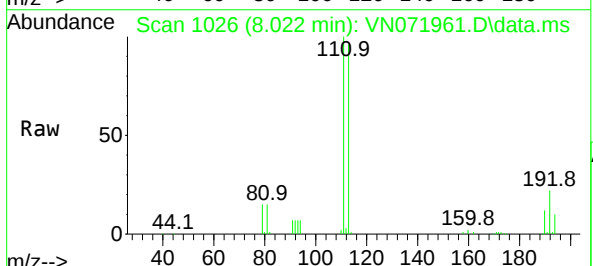
Tgt Ion:113 Resp: 288098

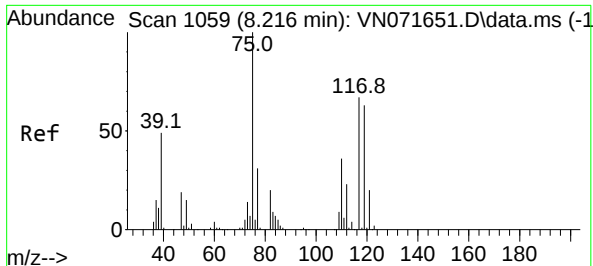
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 22.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN071961.D

Acq: 12 Apr 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

DEL-7

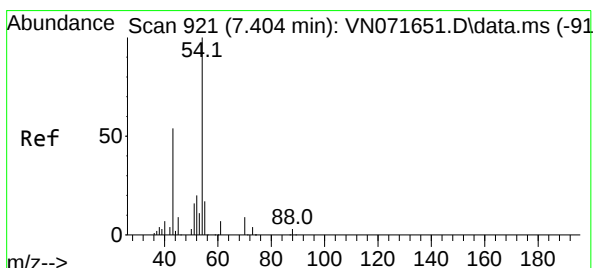
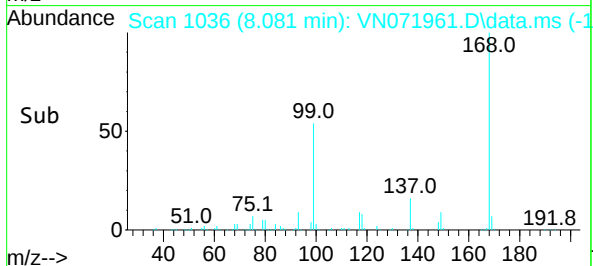
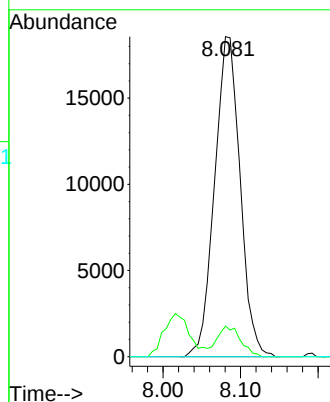
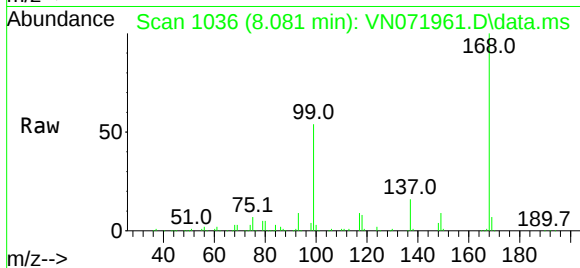
Tgt Ion: 75 Resp: 42475

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 17.446 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.071 min

Lab File: VN071961.D

Acq: 12 Apr 2022 18:14

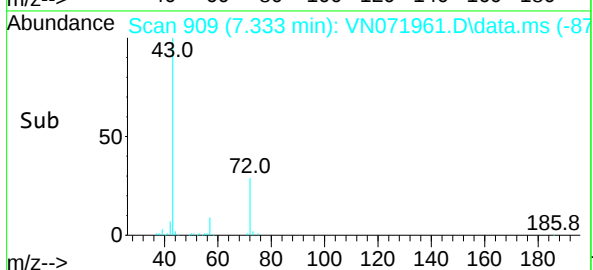
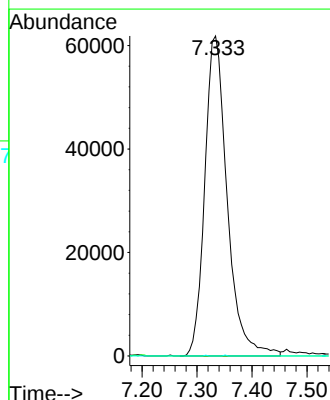
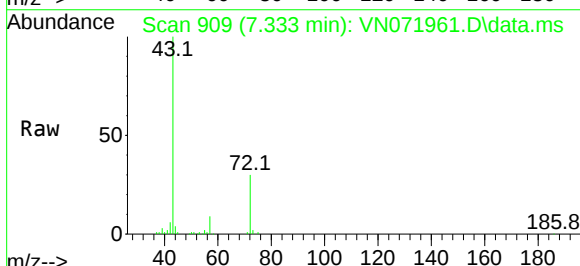
Tgt Ion: 43 Resp: 175455

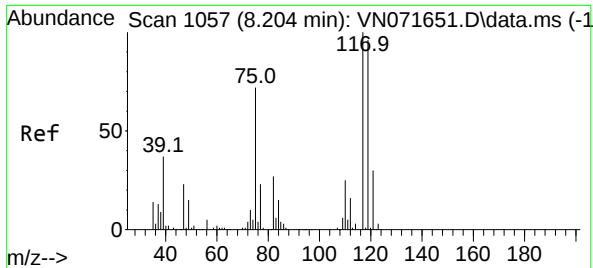
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

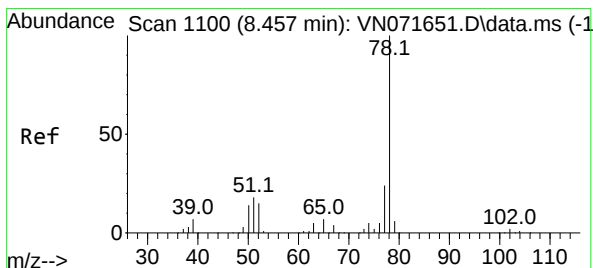
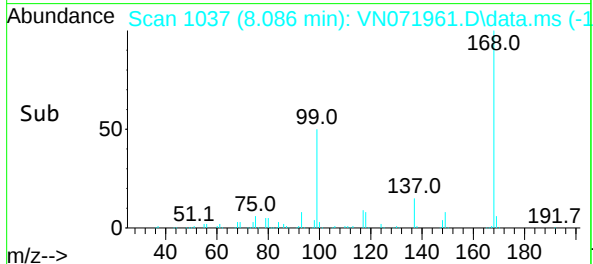
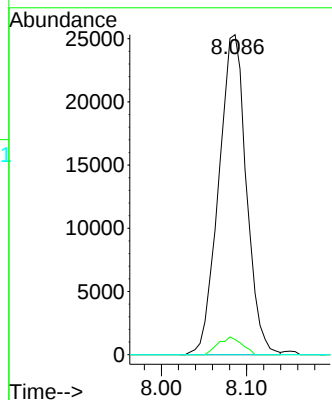
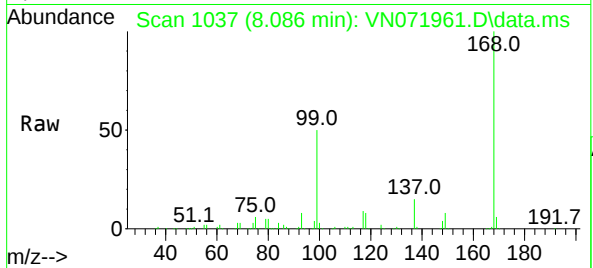




#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

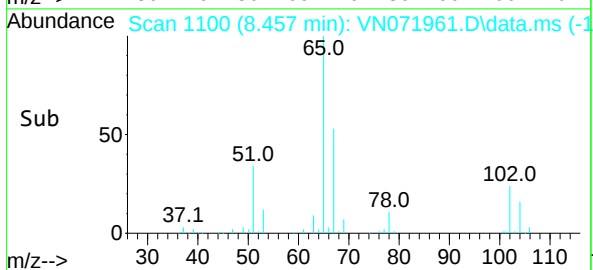
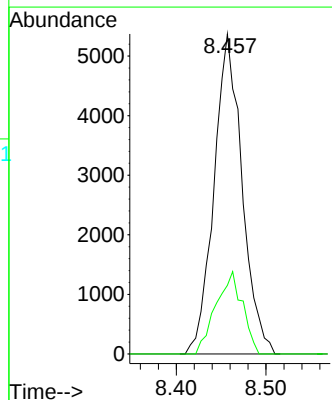
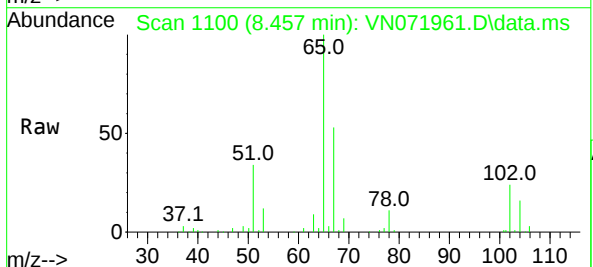
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

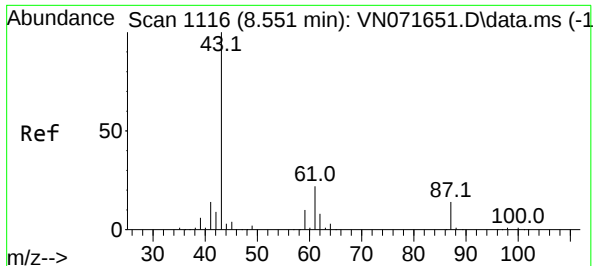
Tgt Ion:117 Resp: 57123
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.402 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 78 Resp: 11660
Ion Ratio Lower Upper
78 100
77 21.5 19.4 29.0

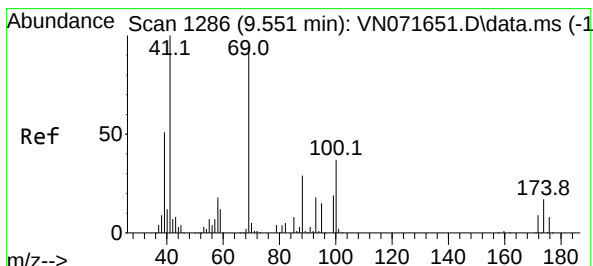
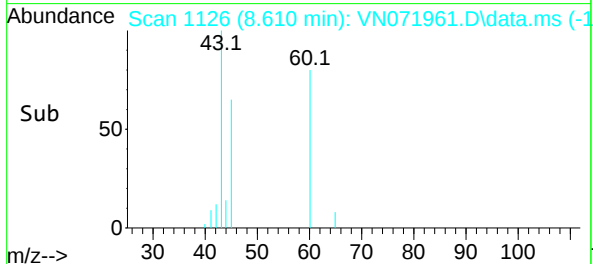
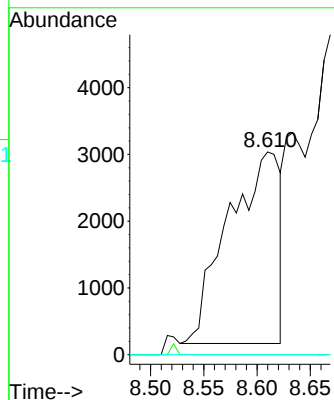
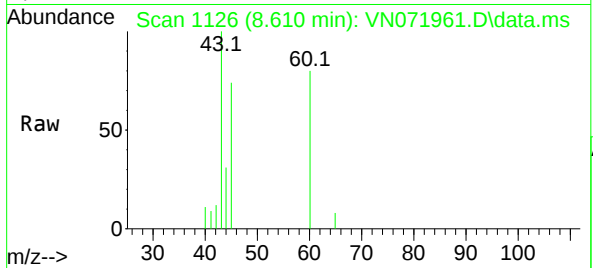




#43
Isopropyl Acetate
Concen: 0.577 ug/l
RT: 8.610 min Scan# 1116
Delta R.T. 0.059 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

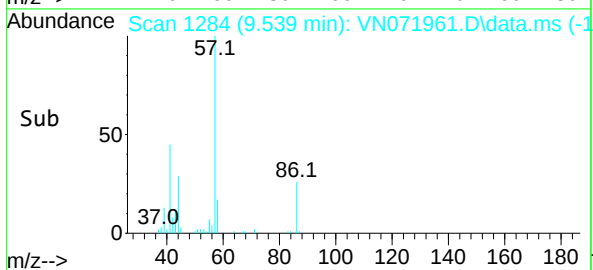
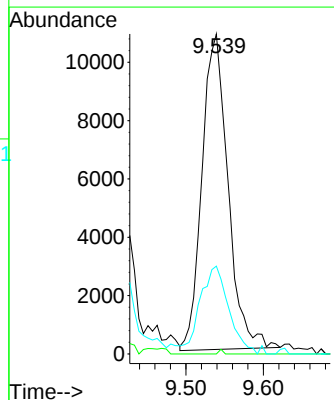
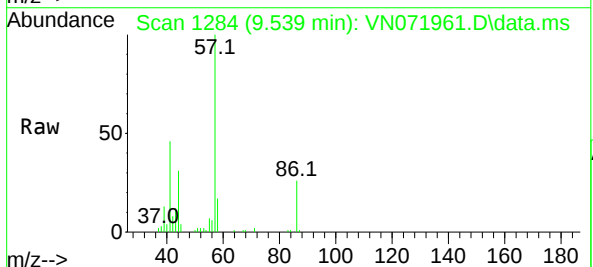
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

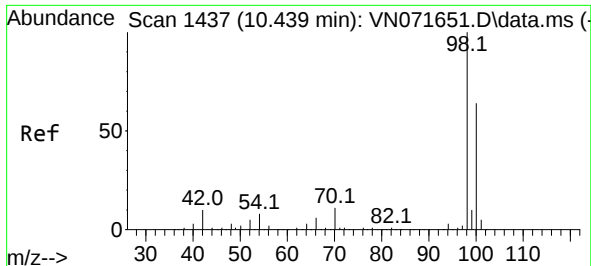
Tgt Ion: 43 Resp: 9655
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 3.638 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 41 Resp: 25250
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 30.6 45.6 68.4#

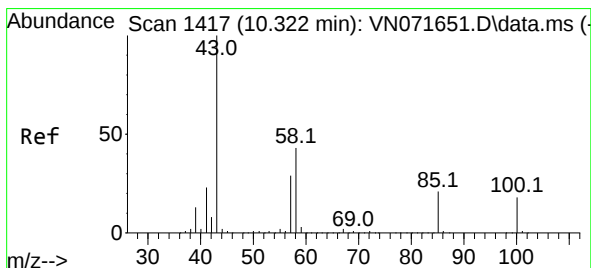
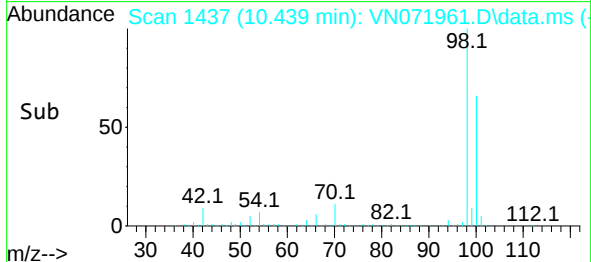
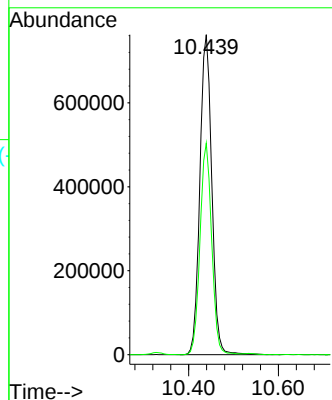
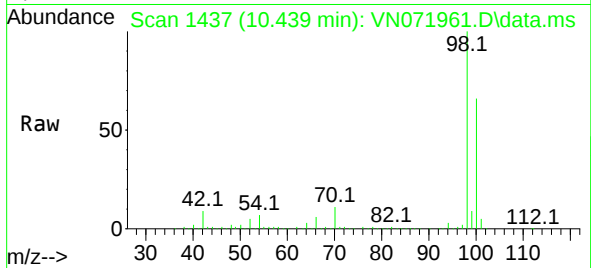




#50
Toluene-d8
Concen: 52.111 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

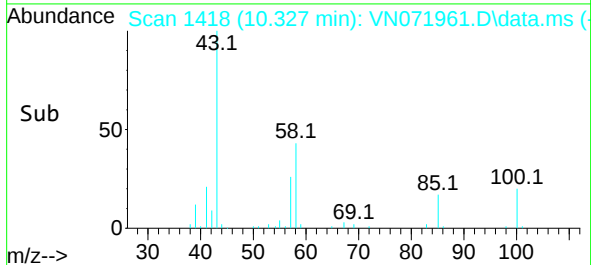
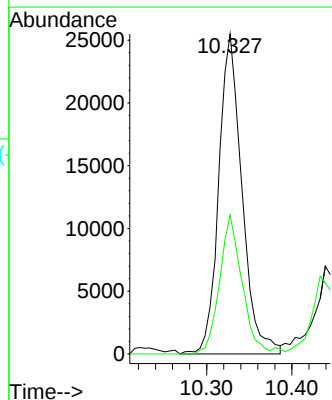
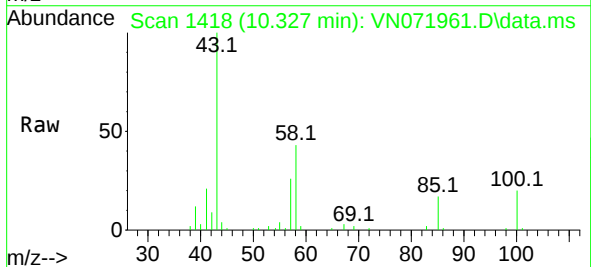
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

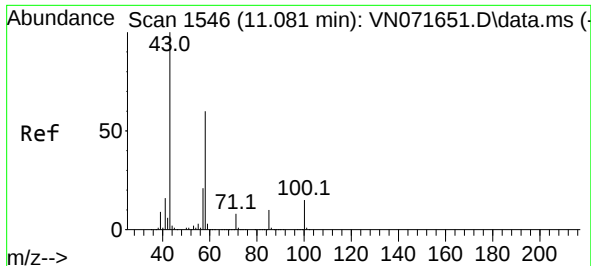
Tgt Ion: 98 Resp: 1402609
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 5.023 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 43 Resp: 48308
Ion Ratio Lower Upper
43 100
58 41.6 34.1 51.1

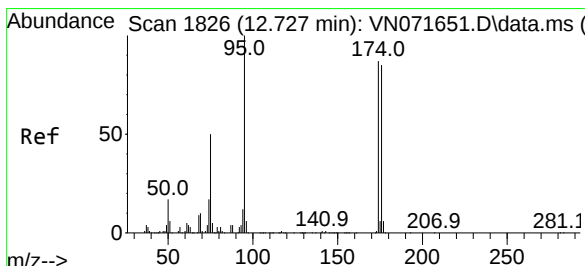
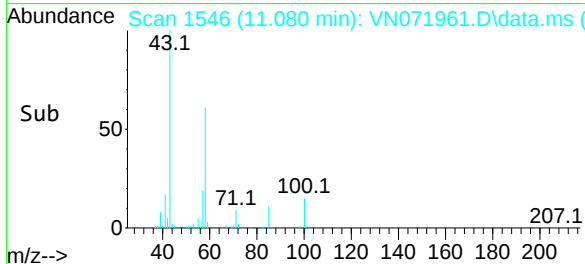
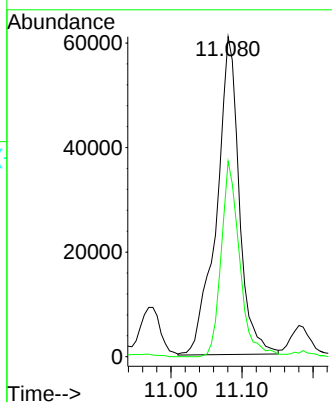
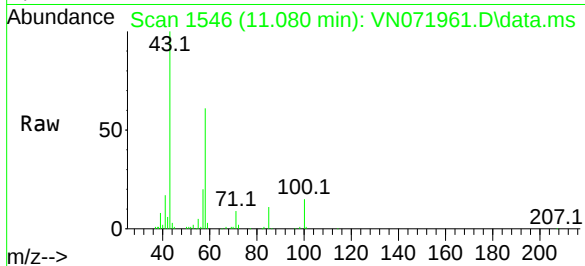




#59
2-Hexanone
Concen: 19.918 ug/l
RT: 11.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

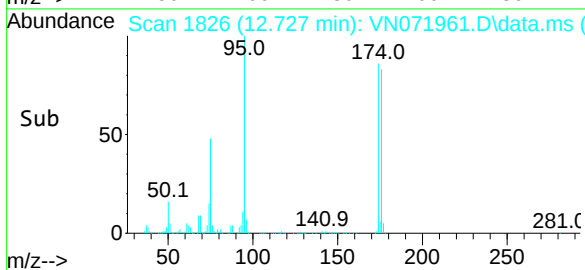
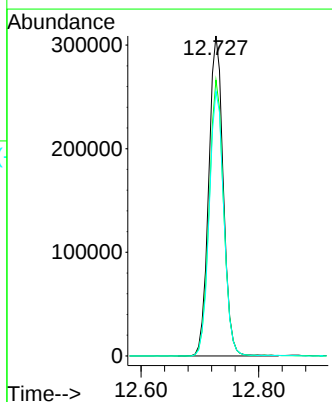
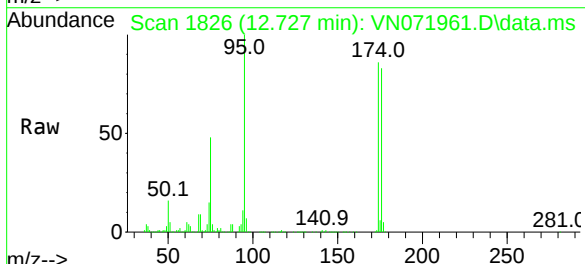
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

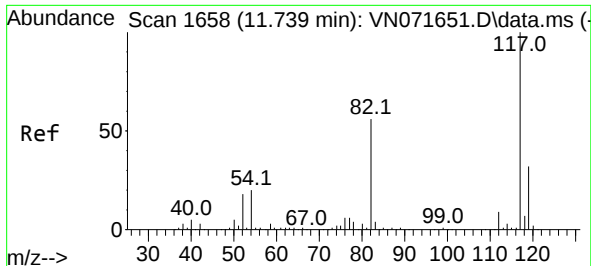
Tgt Ion: 43 Resp: 134869
Ion Ratio Lower Upper
43 100
58 49.9 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 60.775 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 95 Resp: 529048
Ion Ratio Lower Upper
95 100
174 85.4 0.0 167.6
176 83.3 0.0 163.4

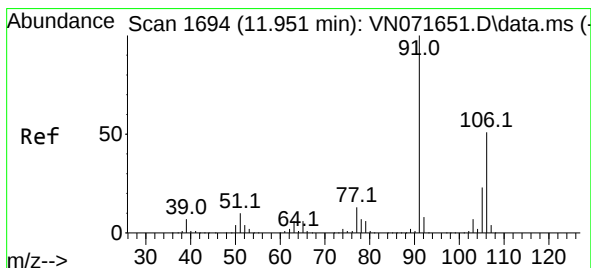
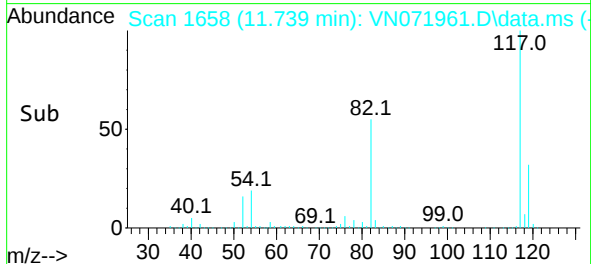
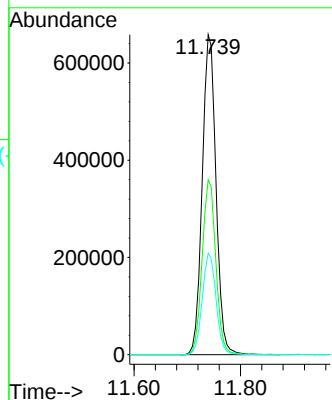
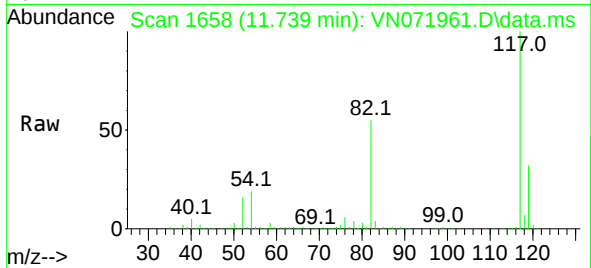




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

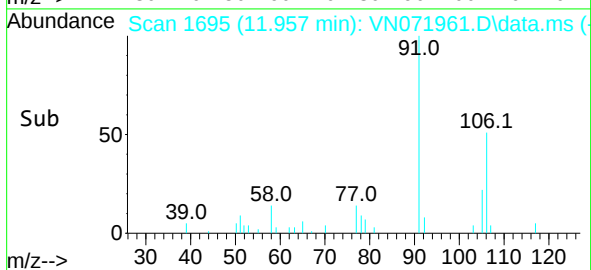
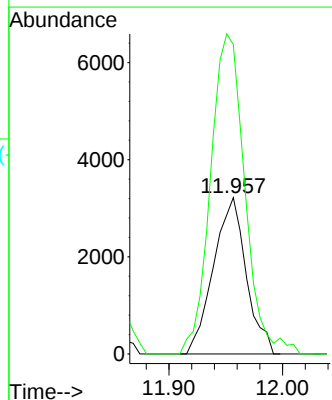
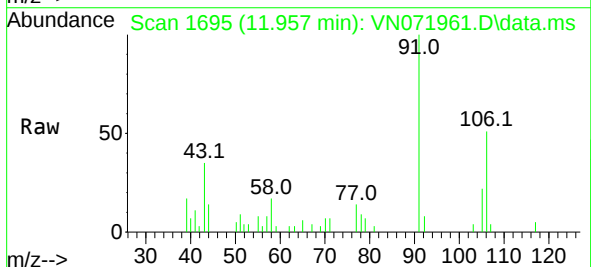
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

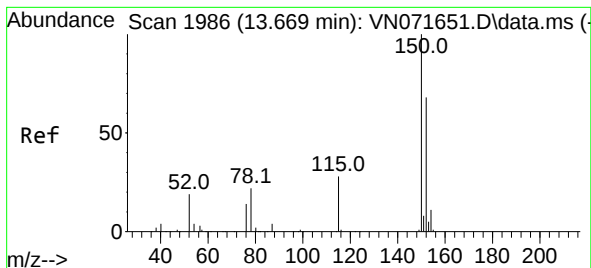
Tgt Ion:117 Resp: 1181002
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.7 25.4 38.0



#68
m/p-Xylenes
Concen: 0.419 ug/l
RT: 11.957 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion:106 Resp: 6452
Ion Ratio Lower Upper
106 100
91 214.6 158.9 238.3

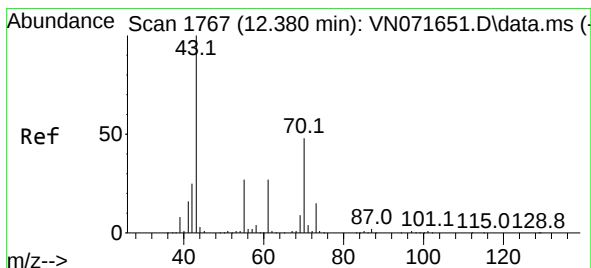
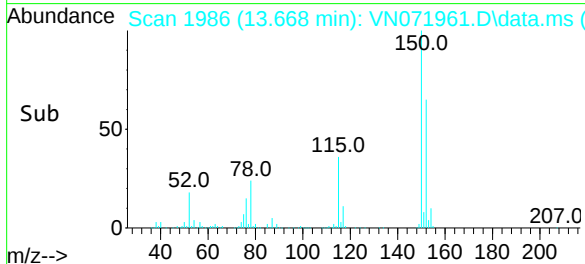
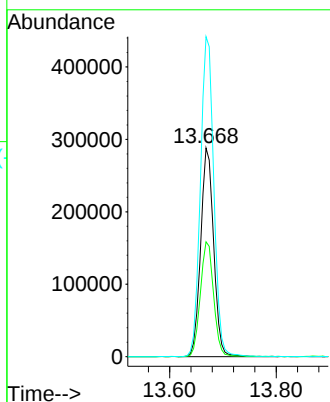
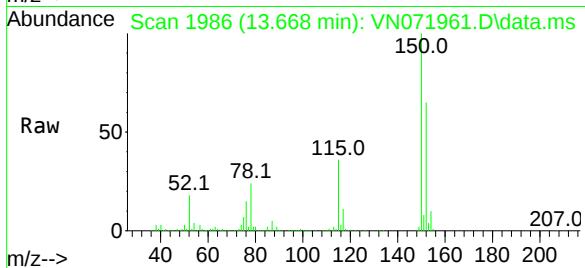




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

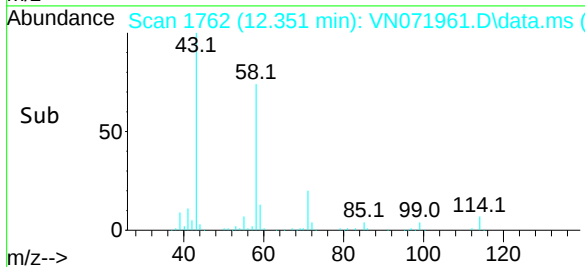
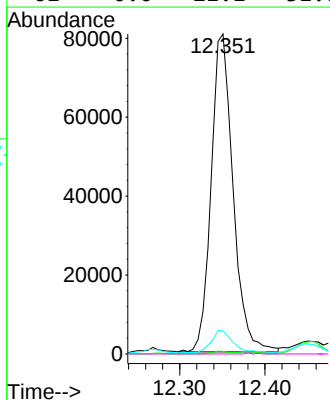
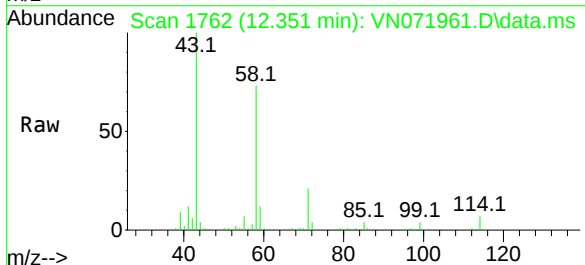
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

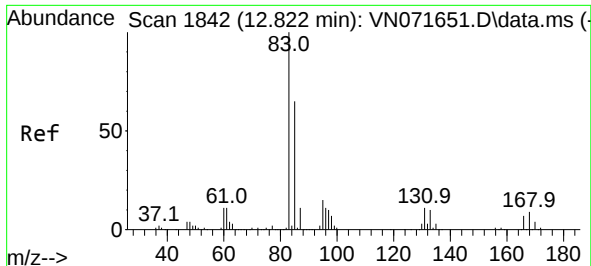
Tgt Ion:152 Resp: 487088
Ion Ratio Lower Upper
152 100
115 56.4 28.9 86.7
150 157.8 0.0 356.2



#74
N-ethyl acetate
Concen: 12.244 ug/l
RT: 12.351 min Scan# 1762
Delta R.T. -0.029 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 43 Resp: 143997
Ion Ratio Lower Upper
43 100
70 0.7 39.0 58.4#
55 7.4 21.1 31.7#
61 0.0 21.1 31.7#

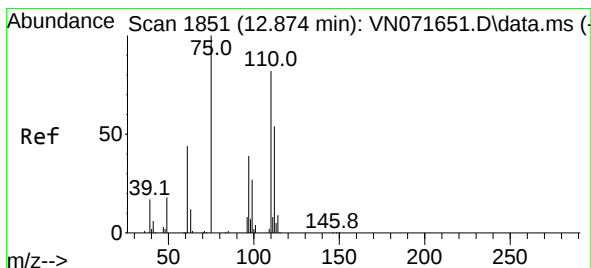
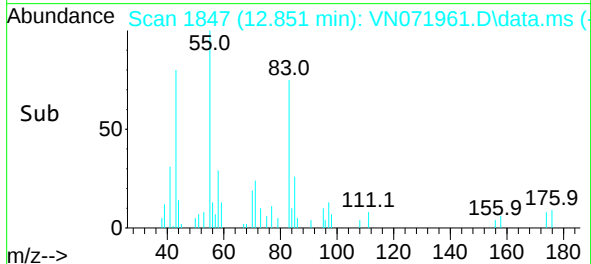
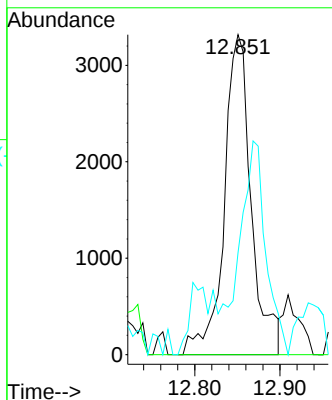
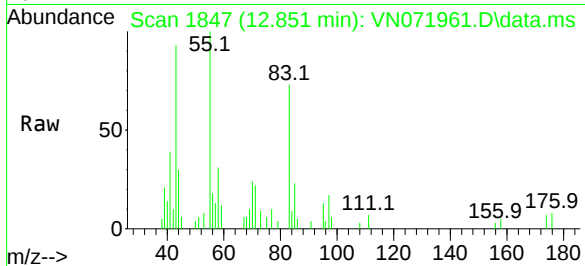




#75
1,1,2,2-Tetrachloroethane
Concen: 0.534 ug/l
RT: 12.851 min Scan# 1847
Delta R.T. 0.029 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

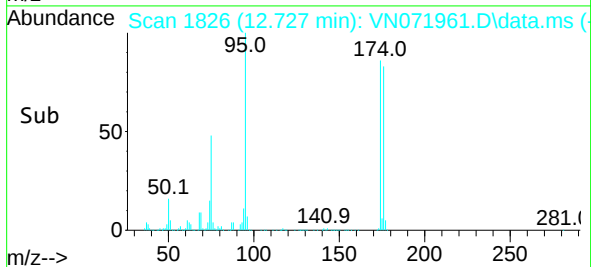
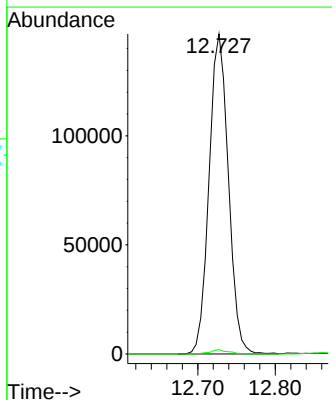
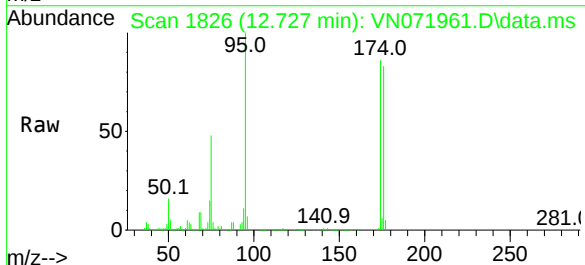
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

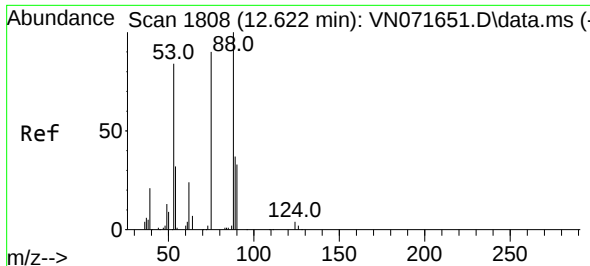
Tgt Ion: 83 Resp: 7307
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 60.4 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 22.506 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 75 Resp: 253957
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

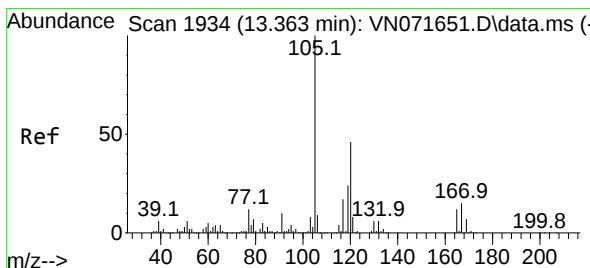
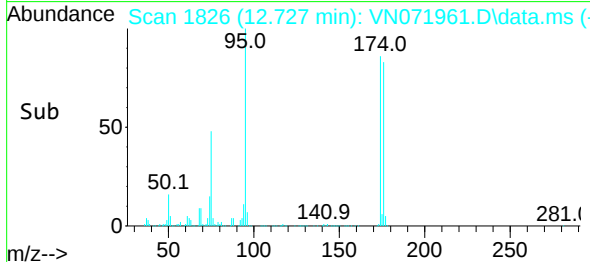
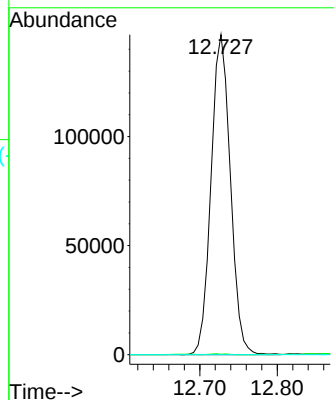
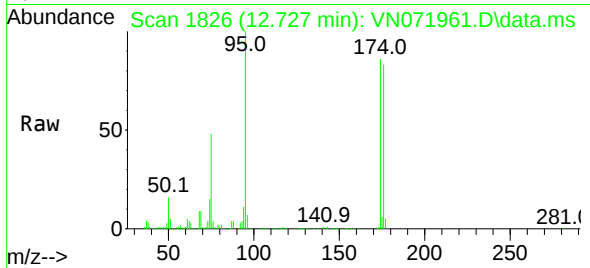




#81
trans-1,4-Dichloro-2-butene
Concen: 69.747 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

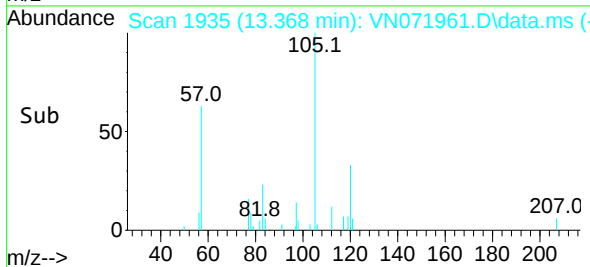
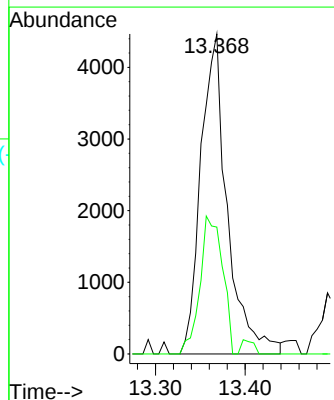
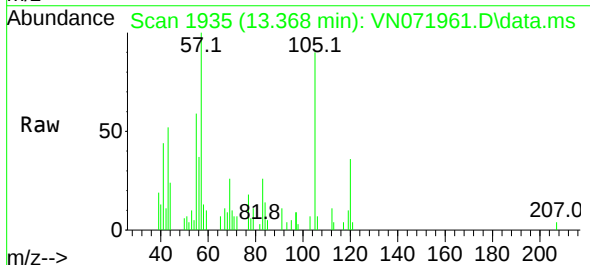
Instrument :
MSVOA_N
ClientSampleId :
DEL-7

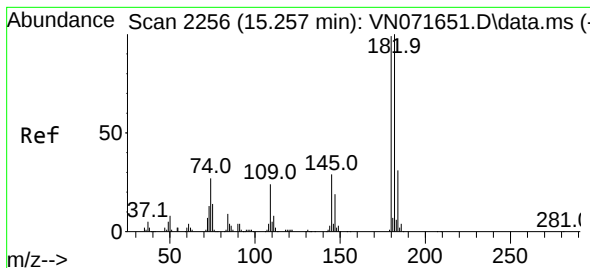
Tgt Ion: 75 Resp: 253957
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.288 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN071961.D
Acq: 12 Apr 2022 18:14

Tgt Ion: 105 Resp: 9141
Ion Ratio Lower Upper
105 100
120 36.8 23.3 69.8





#93

1,2,4-Trichlorobenzene

Concen: 2.283 ug/l

RT: 15.262 min Scan# 2257

Delta R.T. 0.005 min

Lab File: VN071961.D

Acq: 12 Apr 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

DEL-7

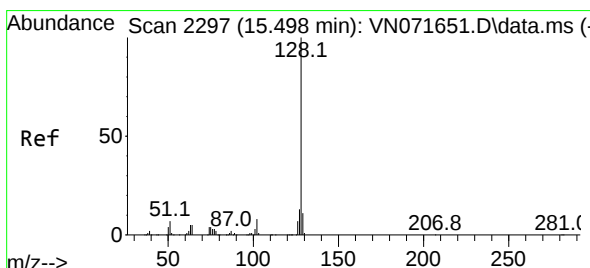
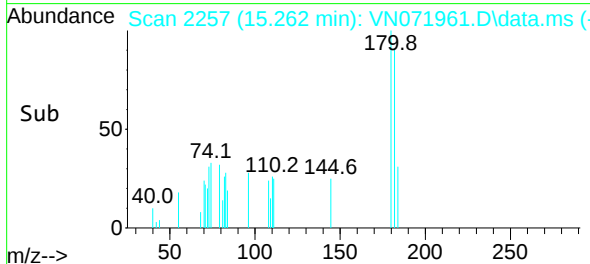
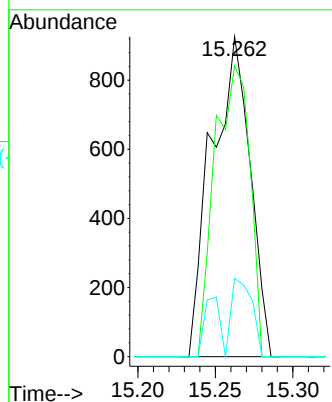
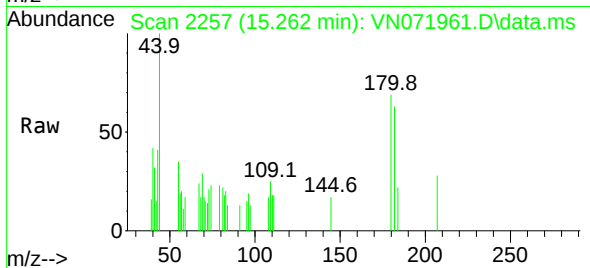
Tgt Ion:180 Resp: 1597

Ion Ratio Lower Upper

180 100

182 82.5 47.5 142.5

145 13.1 14.5 43.5#



#95

Naphthalene

Concen: 4.973 ug/l

RT: 15.498 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VN071961.D

Acq: 12 Apr 2022 18:14

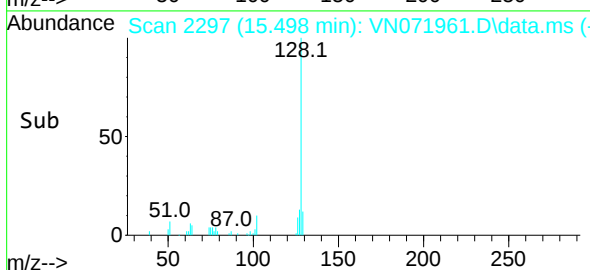
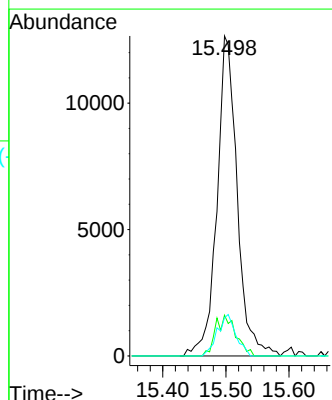
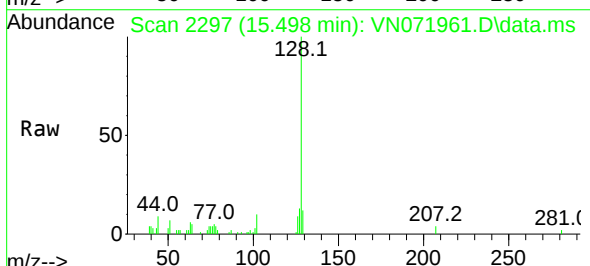
Tgt Ion:128 Resp: 28088

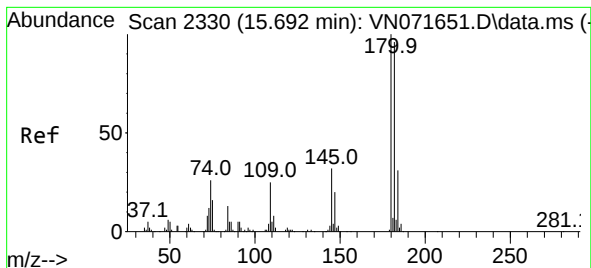
Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.9 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 2.610 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071961.D

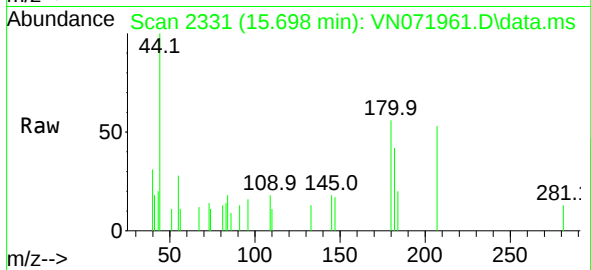
Acq: 12 Apr 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

DEL-7



Tgt Ion:180 Resp: 1546

Ion Ratio Lower Upper

180 100

182 88.4 47.8 143.3

145 31.6 15.5 46.5

