

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073467.D
 Acq On : 14 Jul 2022 17:52
 Operator : JC\MD
 Sample : PB146203TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146203TB

Quant Time: Jul 15 02:02:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

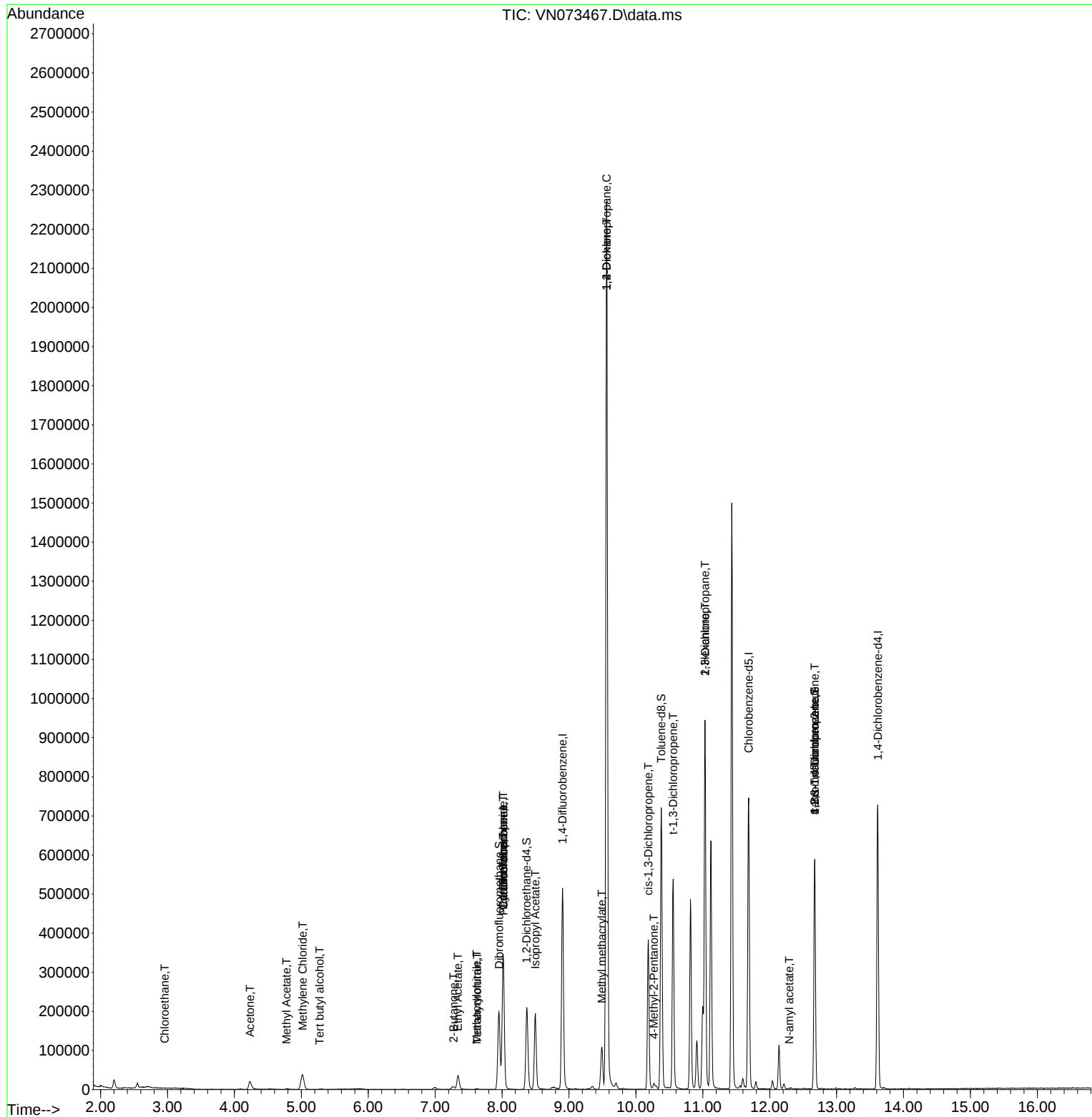
Internal Standards						
1) Pentafluorobenzene	8.022	168	252171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	434508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	422053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	193379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	175437	48.192	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.380%		
35) Dibromofluoromethane	7.957	113	147677	51.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.160%		
50) Toluene-d8	10.380	98	480107	46.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.520%		
62) 4-Bromofluorobenzene	12.674	95	203999	51.702	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.400%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.957	64	400	0.224	ug/l #	42
11) Tert butyl alcohol	5.275	59	513	0.582	ug/l #	72
16) Acetone	4.234	43	38810	18.993	ug/l	93
18) Methyl Acetate	4.781	43	1510	0.264	ug/l #	89
20) Methylene Chloride	5.022	84	30110	8.385	ug/l #	84
25) 2-Butanone	7.275	43	12646	3.887	ug/l #	80
29) Tetrahydrofuran	7.628	42	1799	0.808	ug/l #	48
31) Cyclohexane	8.016	56	6163	1.034	ug/l #	35
36) 1,1-Dichloropropene	8.016	75	22031	4.953	ug/l #	48
37) Ethyl Acetate	7.339	43	58818	8.751	ug/l #	94
38) Carbon Tetrachloride	8.016	117	27009	5.872	ug/l #	16
41) Methacrylonitrile	7.622	41	987	0.303	ug/l #	34
43) Isopropyl Acetate	8.498	43	223563	23.145	ug/l #	85
45) 1,2-Dichloropropane	9.563	63	2675	0.765	ug/l #	44
48) Methyl methacrylate	9.492	41	8099	1.811	ug/l #	40
49) 1,4-Dioxane	9.563	88	397	4.676	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	10300	1.681	ug/l #	84
53) t-1,3-Dichloropropene	10.557	75	1281	0.253	ug/l #	4
54) cis-1,3-Dichloropropene	10.186	75	66822	12.219	ug/l #	72
57) 1,3-Dichloropropane	11.033	76	9385	1.568	ug/l #	42
59) 2-Hexanone	11.033	43	145038	31.062	ug/l #	46
74) N-amyl acetate	12.292	43	2218	0.265	ug/l #	42
76) 1,2,3-Trichloropropane	12.674	75	109066	21.570	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	109066	59.154	ug/l #	10

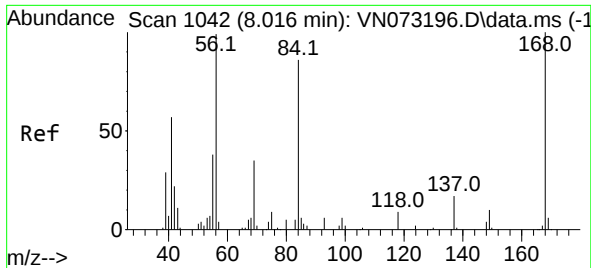
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 29 01:54:03 2022
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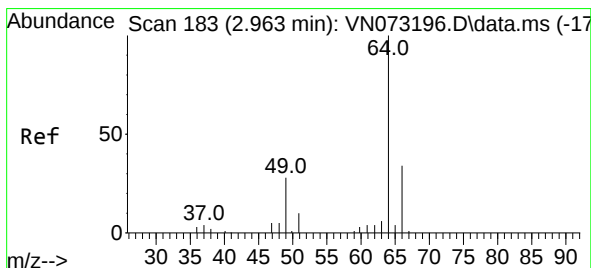
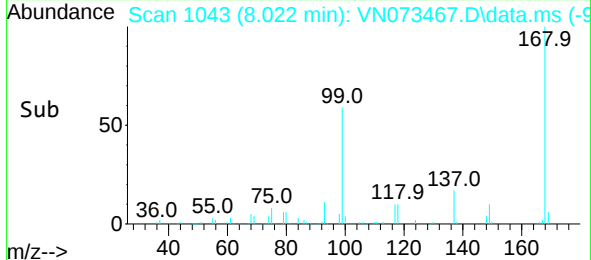
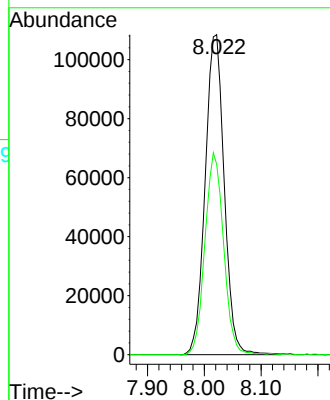
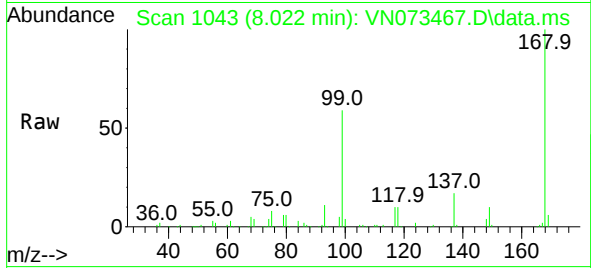




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

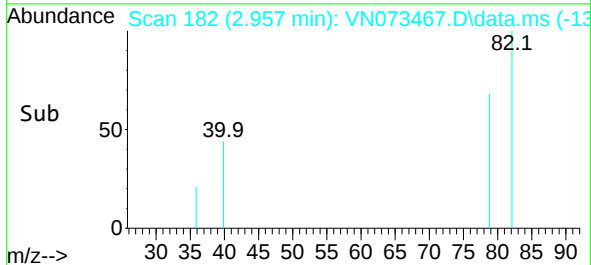
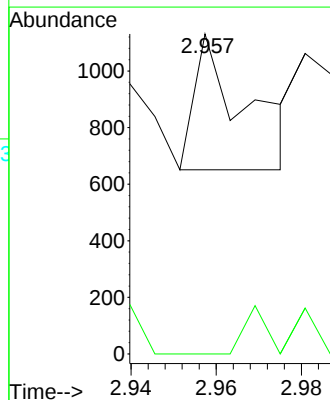
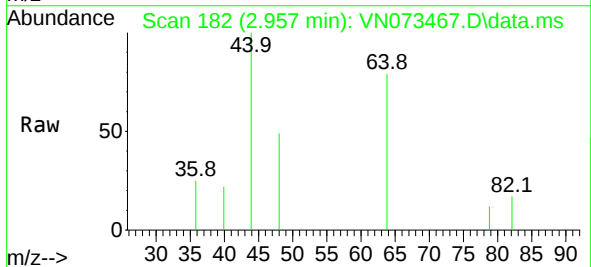
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

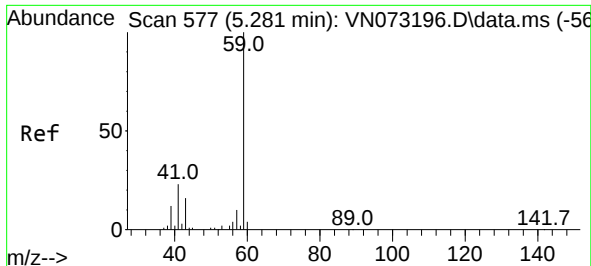
Tgt Ion:168 Resp: 252171
Ion Ratio Lower Upper
168 100
99 59.5 42.3 63.5



#6
Chloroethane
Concen: 0.224 ug/l
RT: 2.957 min Scan# 182
Delta R.T. -0.006 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

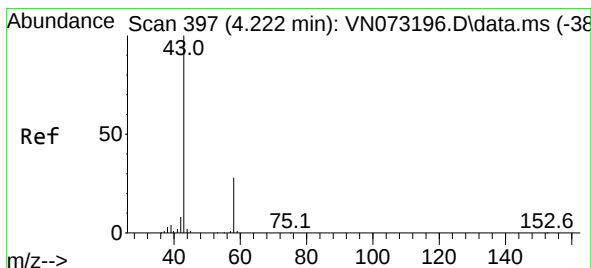
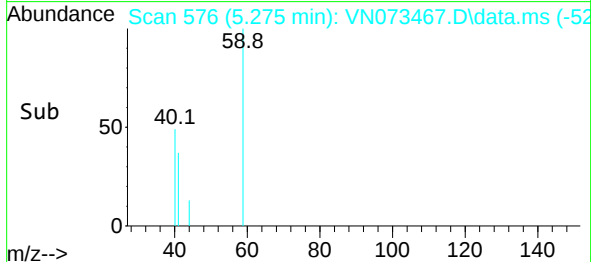
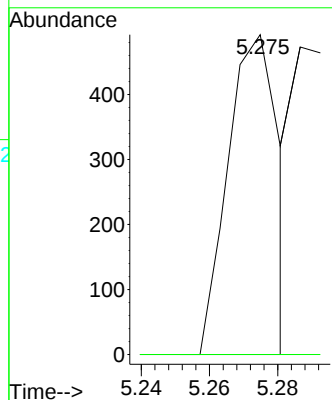
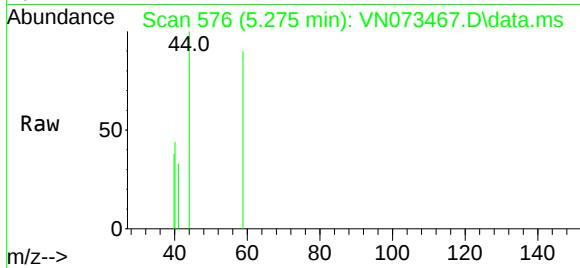




#11
Tert butyl alcohol
Concen: 0.582 ug/l
RT: 5.275 min Scan# 513
Delta R.T. -0.006 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

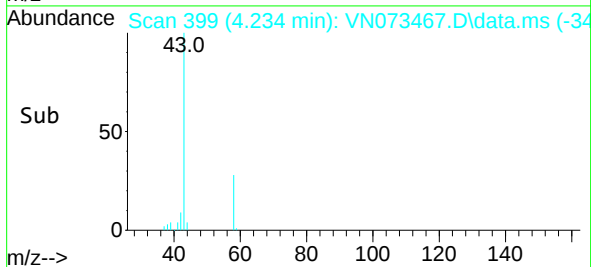
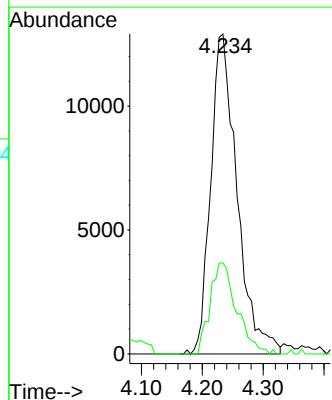
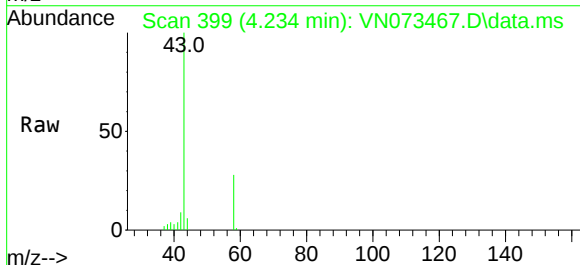
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

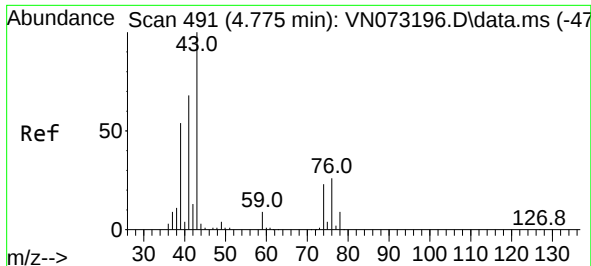
Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 18.993 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 43 Resp: 38810
Ion Ratio Lower Upper
43 100
58 28.5 26.0 39.0

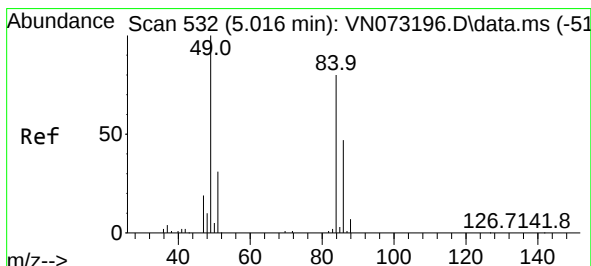
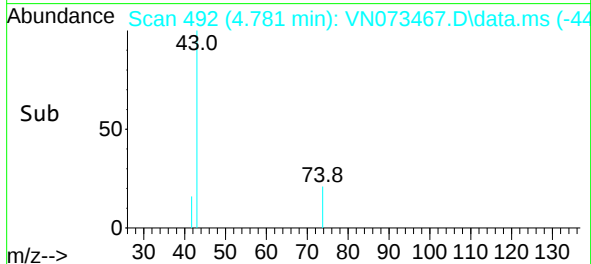
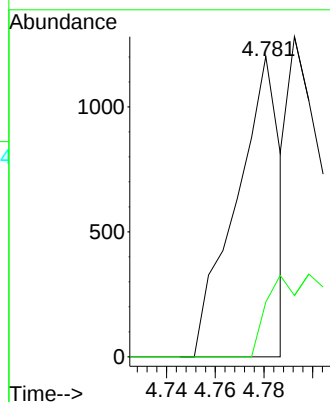
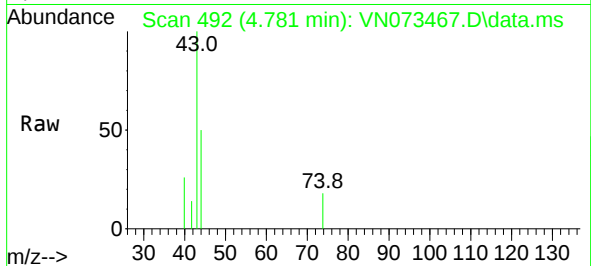




#18
Methyl Acetate
Concen: 0.264 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

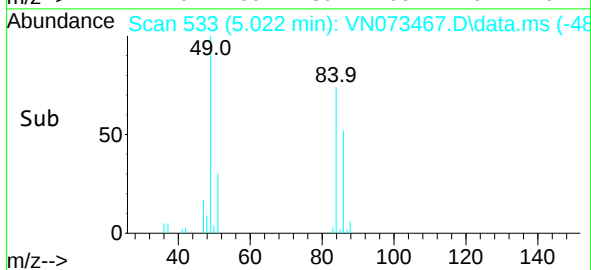
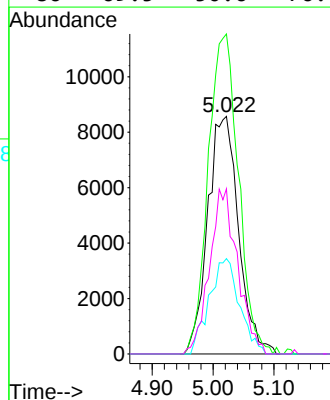
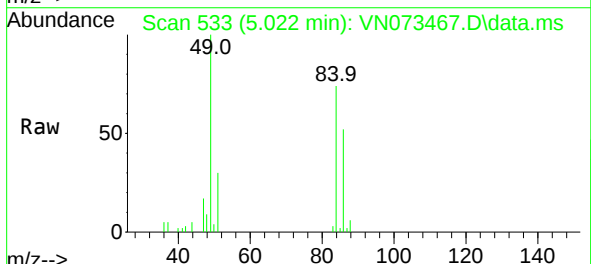
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

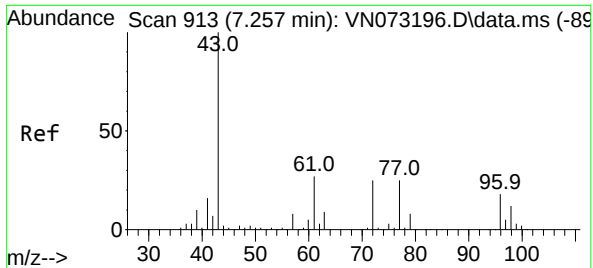
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
74 32.7 21.6 32.4#



#20
Methylene Chloride
Concen: 8.385 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.006 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 84 Resp: 30110
Ion Ratio Lower Upper
84 100
49 134.7 88.3 132.5#
51 40.2 28.2 42.2
86 69.5 50.6 76.0

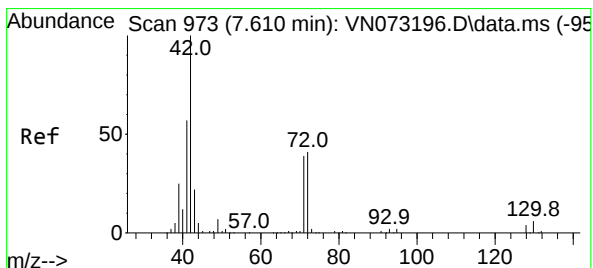
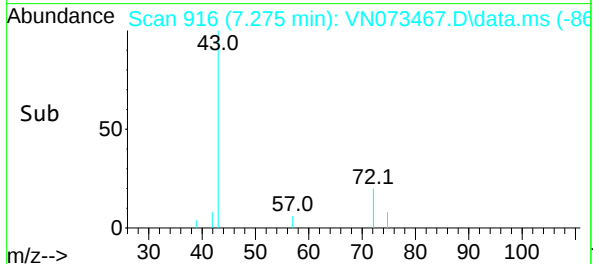
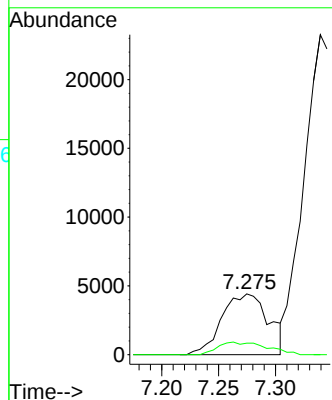
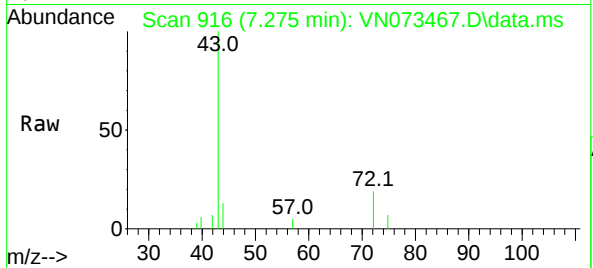




#25
2-Butanone
Concen: 3.887 ug/l
RT: 7.275 min Scan# 913
Delta R.T. 0.018 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

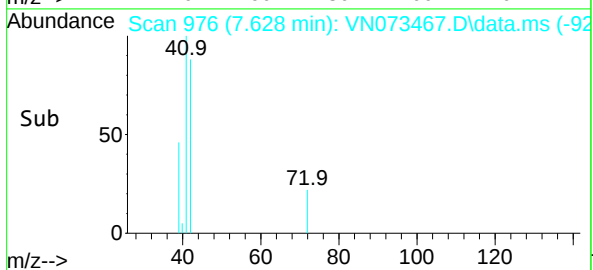
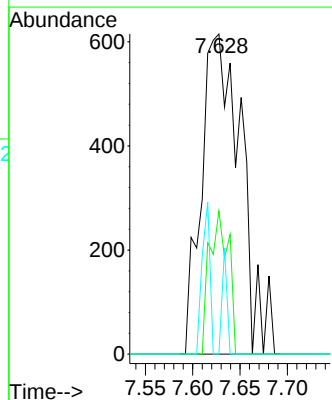
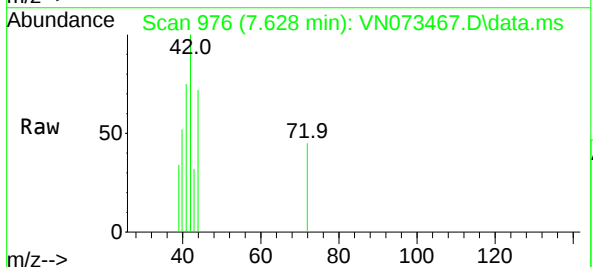
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

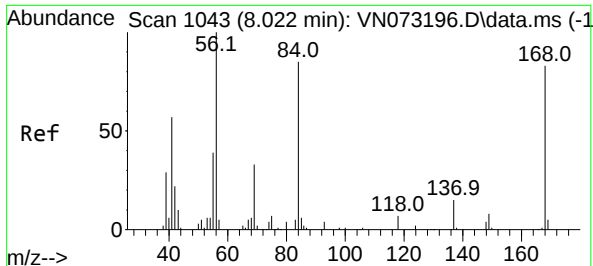
Tgt Ion: 43 Resp: 12646
Ion Ratio Lower Upper
43 100
72 19.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.808 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 42 Resp: 1799
Ion Ratio Lower Upper
42 100
72 21.5 39.7 59.5#
71 4.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.034 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073467.D

Acq: 14 Jul 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB146203TB

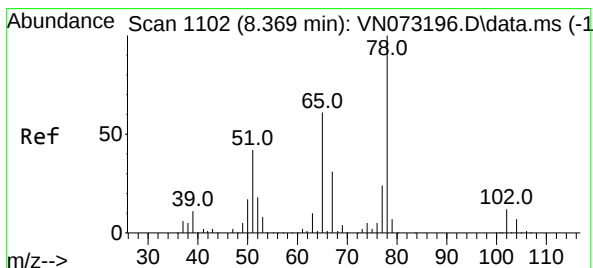
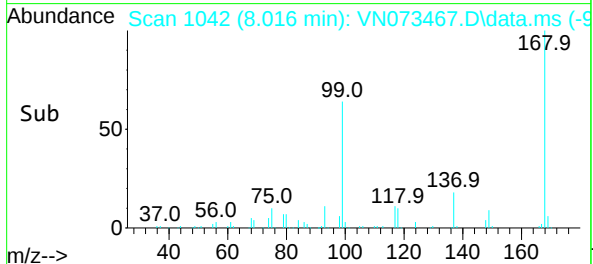
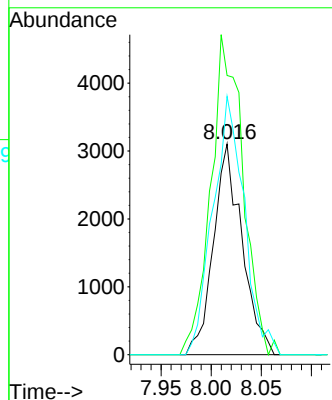
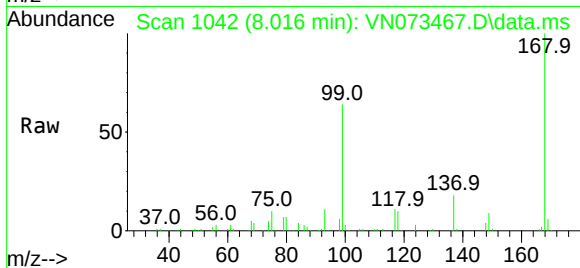
Tgt Ion: 56 Resp: 6163

Ion Ratio Lower Upper

56 100

69 132.4 27.8 41.8#

84 122.5 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 48.192 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073467.D

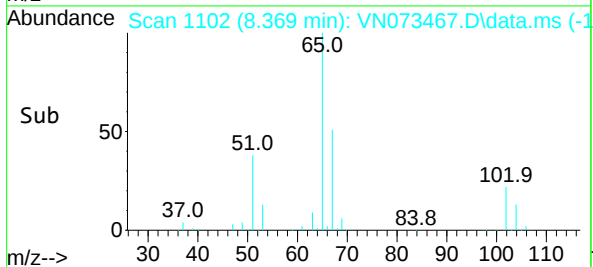
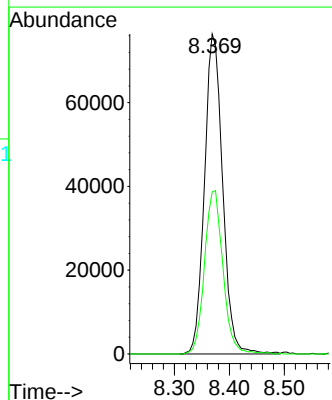
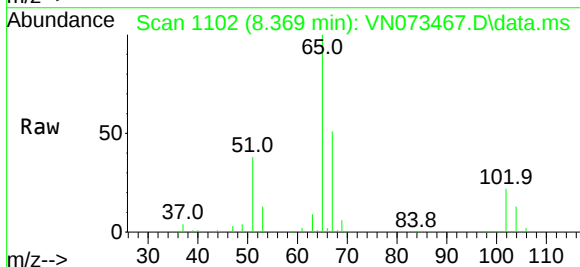
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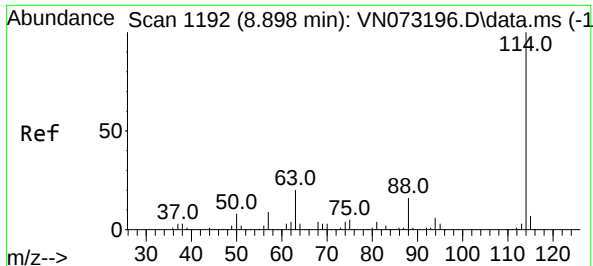
Tgt Ion: 65 Resp: 175437

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073467.D

Acq: 14 Jul 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB146203TB

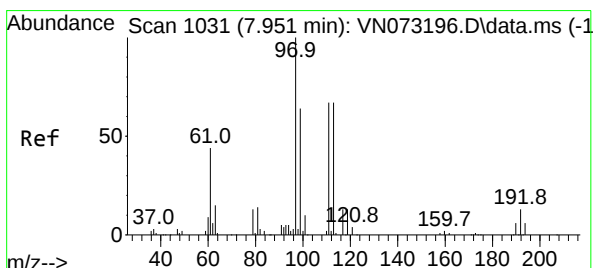
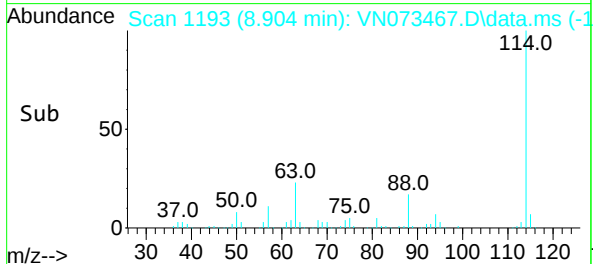
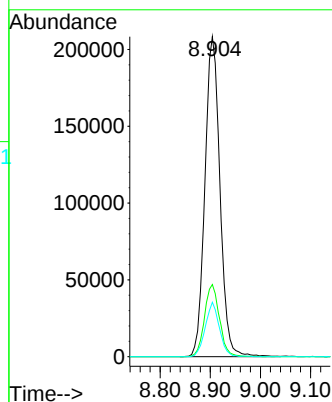
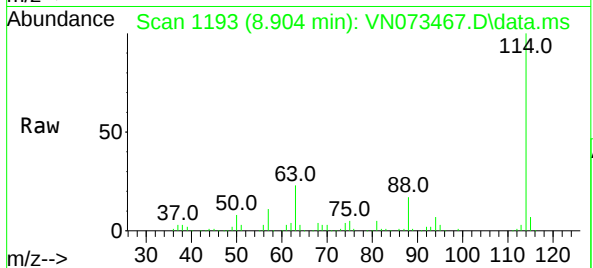
Tgt Ion:114 Resp: 434508

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.084 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073467.D

Acq: 14 Jul 2022 17:52

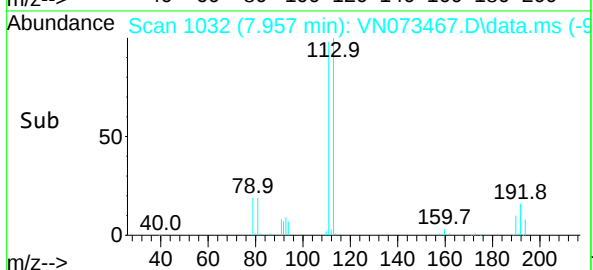
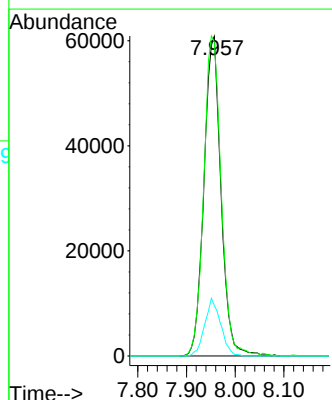
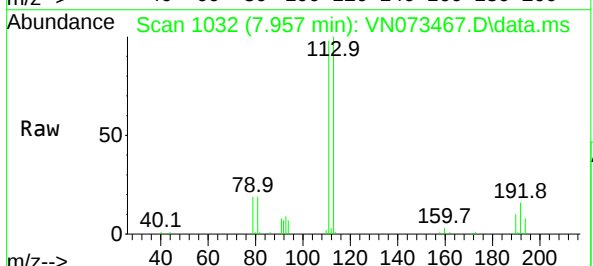
Tgt Ion:113 Resp: 147677

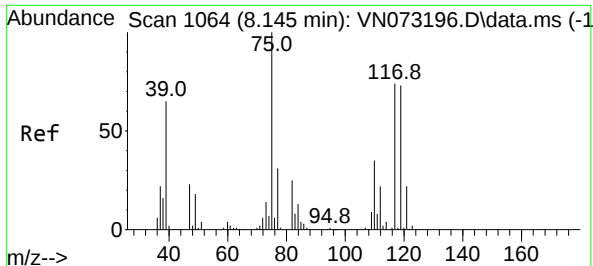
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 16.9 17.0 25.6#

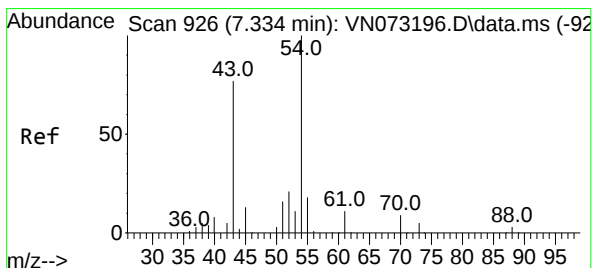
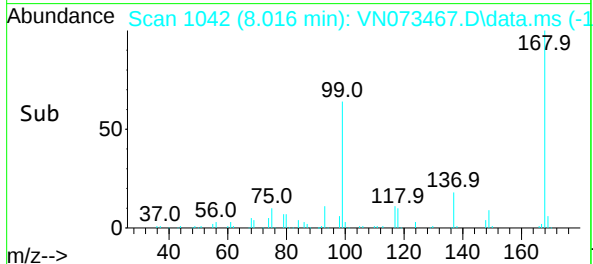
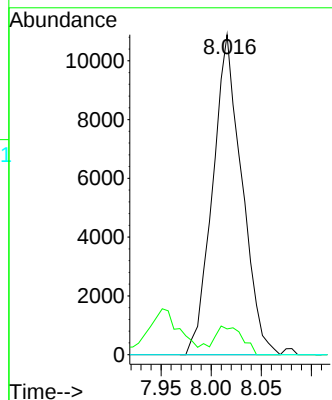
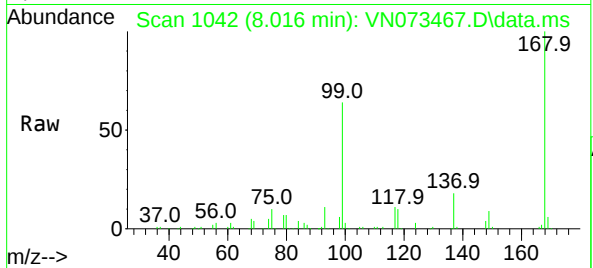




#36
1,1-Dichloropropene
Concen: 4.953 ug/l
RT: 8.016 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

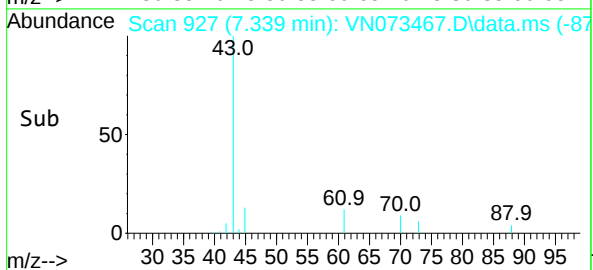
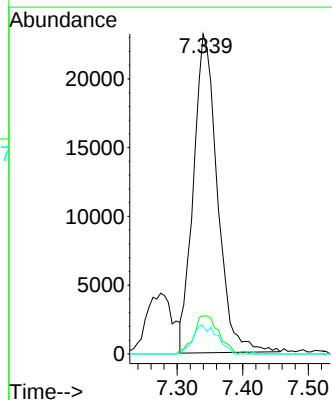
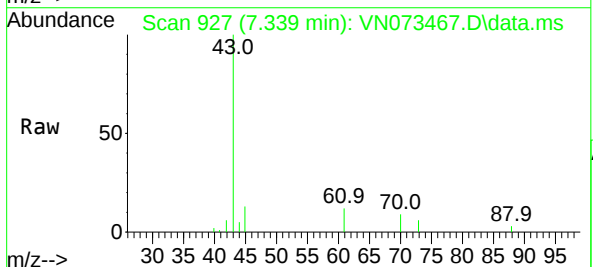
Instrument :
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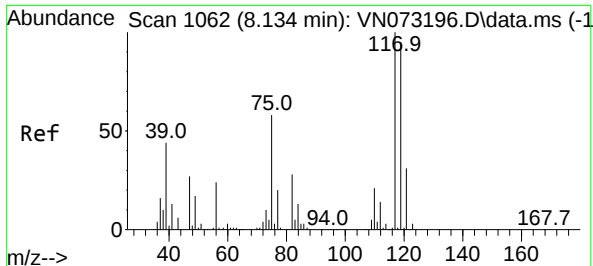
Tgt Ion: 75 Resp: 22031
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.751 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.005 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 43 Resp: 58818
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.6
70 9.2 9.3 13.9#

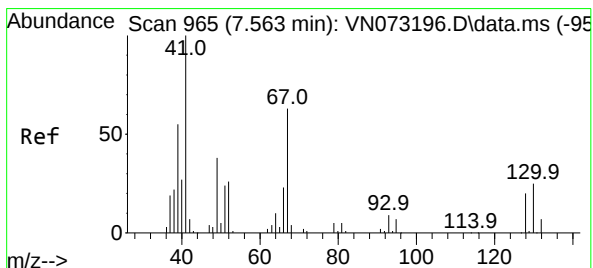
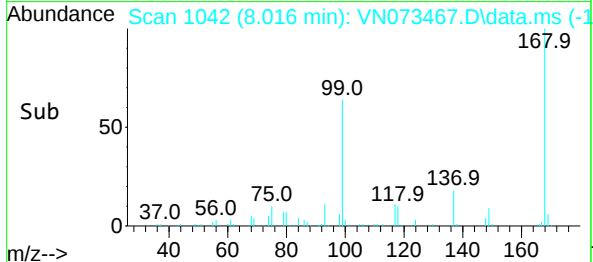
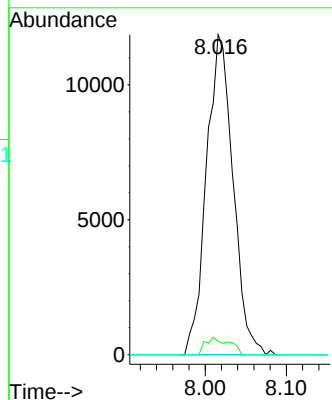
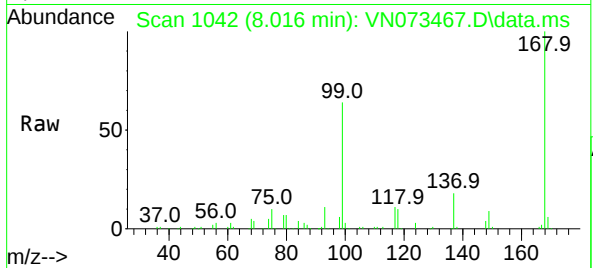




#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

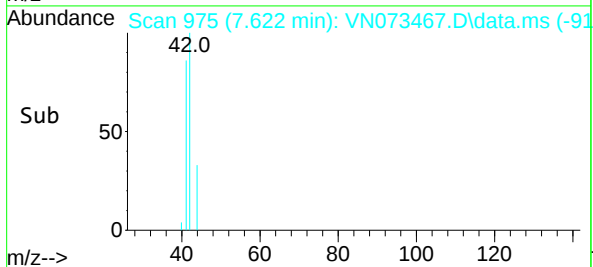
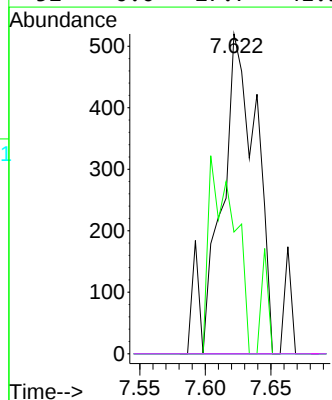
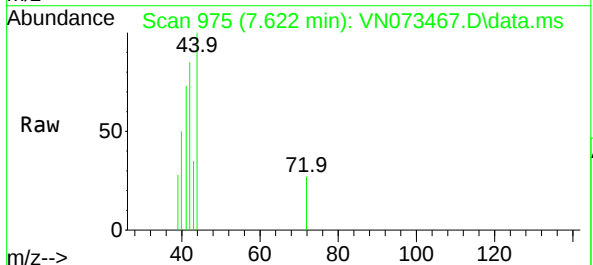
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

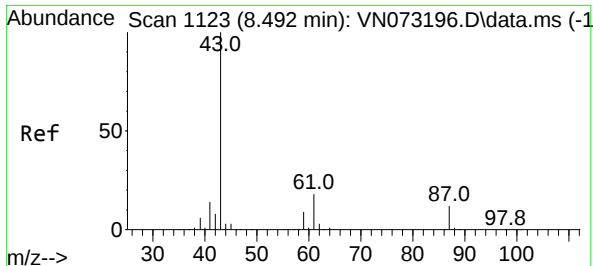
Tgt Ion:117 Resp: 27009
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.303 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 41 Resp: 987
Ion Ratio Lower Upper
41 100
39 44.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

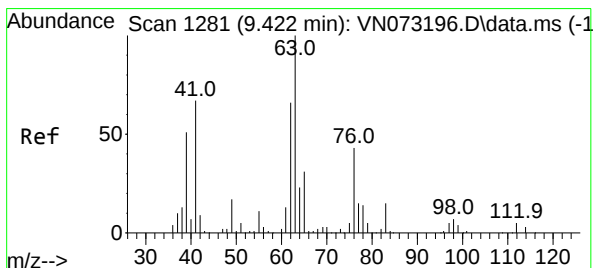
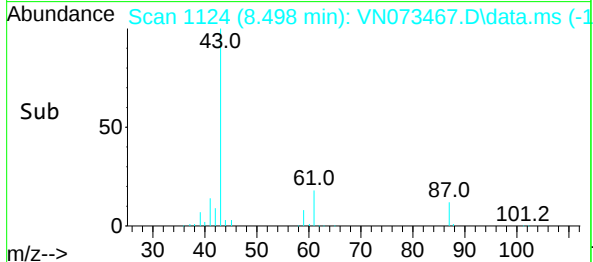
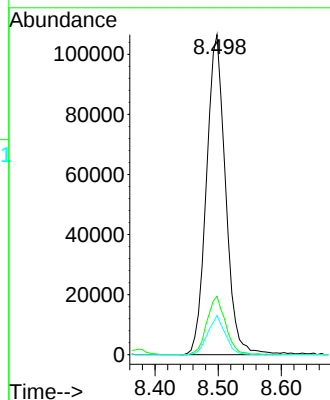
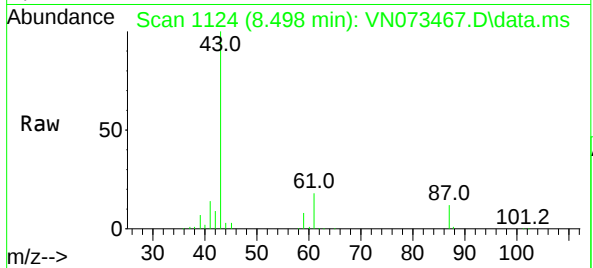




#43
Isopropyl Acetate
Concen: 23.145 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

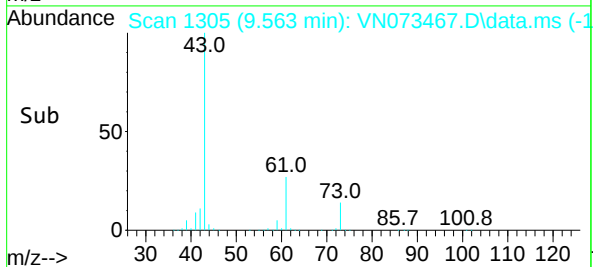
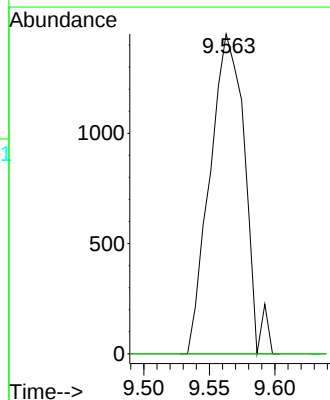
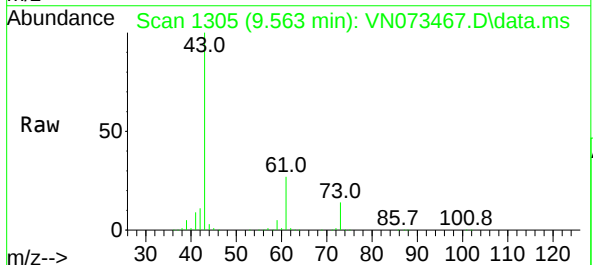
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

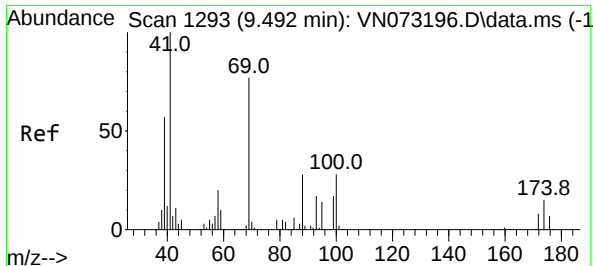
Tgt Ion: 43 Resp: 223563
Ion Ratio Lower Upper
43 100
61 17.9 21.9 32.9#
87 11.2 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.765 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.141 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 63 Resp: 2675
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

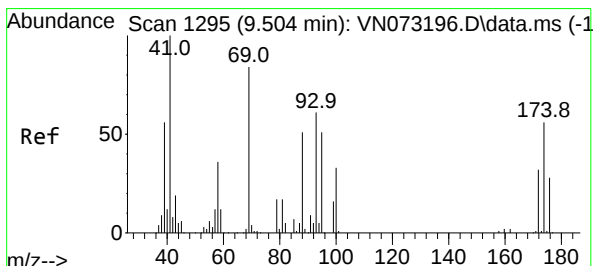
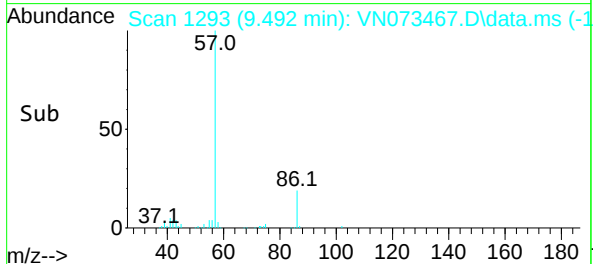
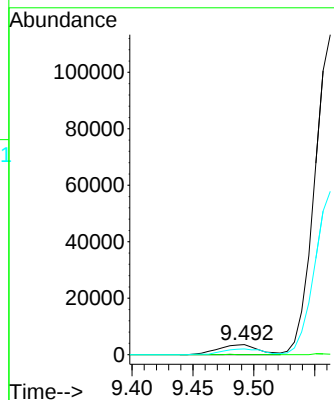
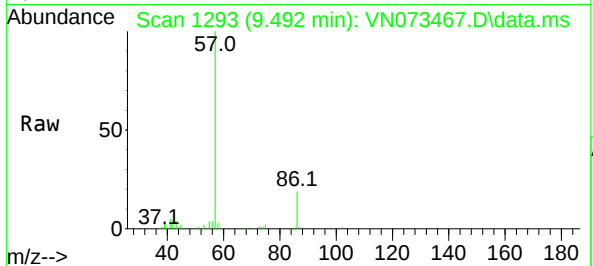




#48
Methyl methacrylate
Concen: 1.811 ug/l
RT: 9.492 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

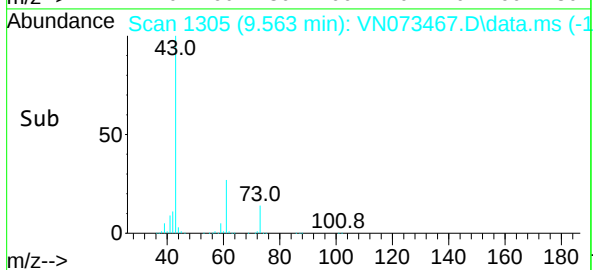
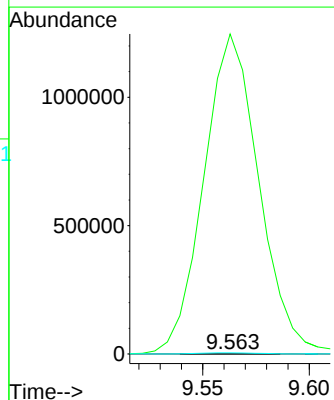
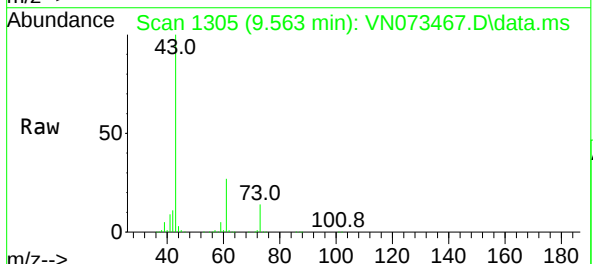
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

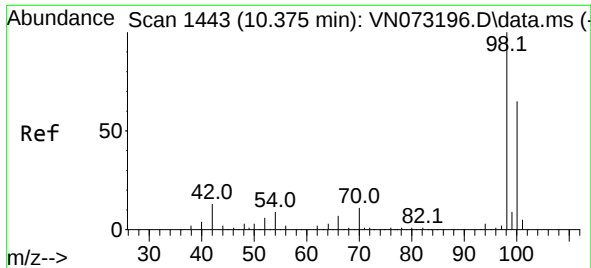
Tgt Ion: 41 Resp: 8099
Ion Ratio Lower Upper
41 100
69 0.8 74.7 112.1#
39 58.3 45.6 68.4



#49
1,4-Dioxane
Concen: 4.676 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.059 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 88 Resp: 397
Ion Ratio Lower Upper
88 100
43 571951.4 20.2 30.4#
58 2313.1 54.2 81.4#

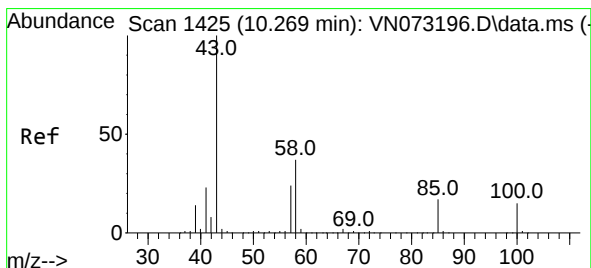
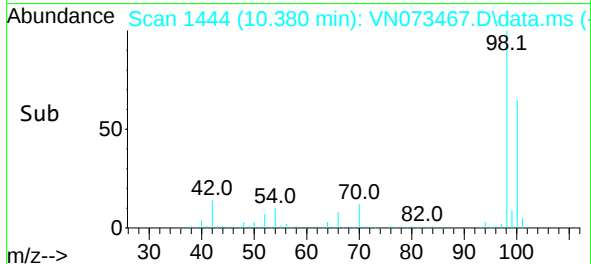
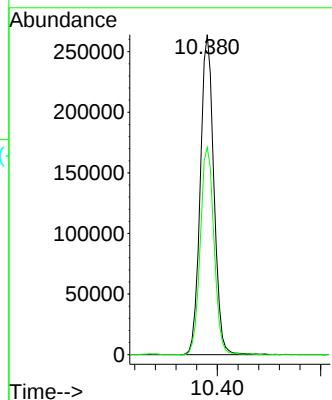
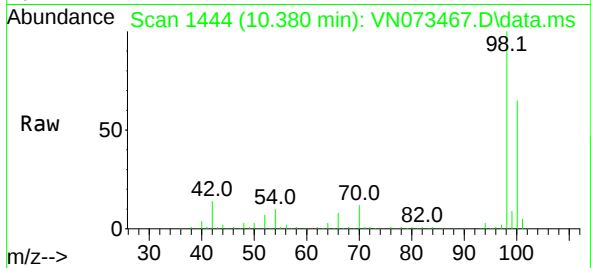




#50
Toluene-d8
Concen: 46.761 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

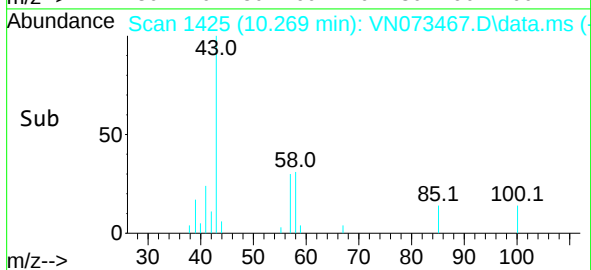
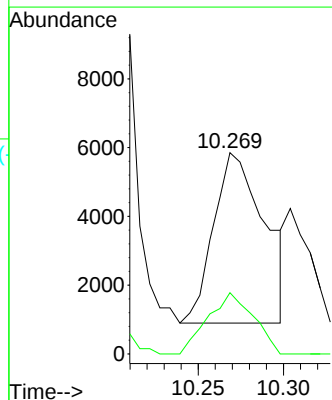
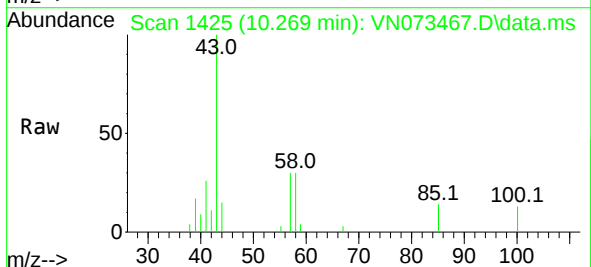
Instrument :
MSVOA_N
ClientSampleId :
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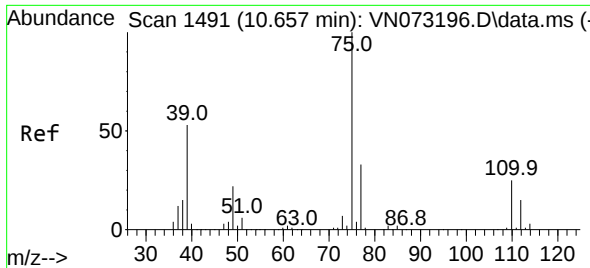
Tgt Ion: 98 Resp: 480107
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.681 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 43 Resp: 10300
Ion Ratio Lower Upper
43 100
58 32.2 34.1 51.1#

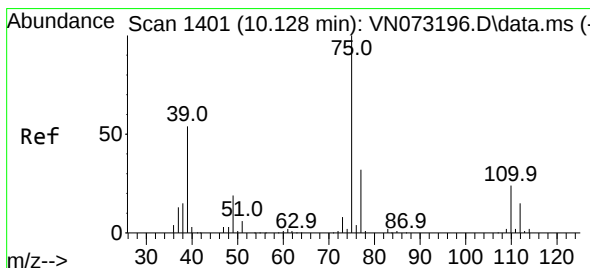
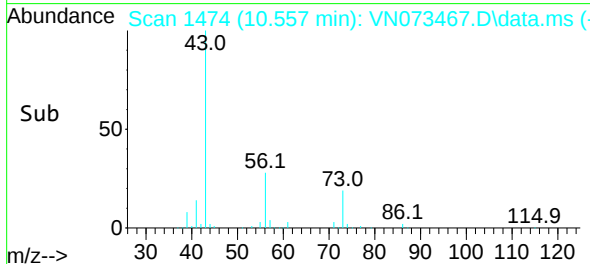
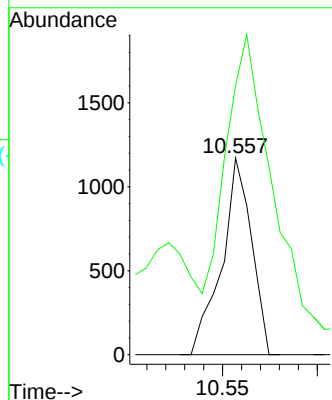
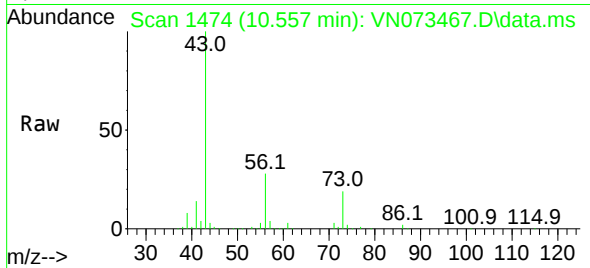




#53
t-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 10.557 min Scan# 1410
Delta R.T. -0.100 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

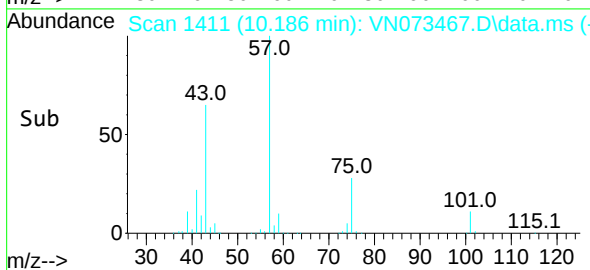
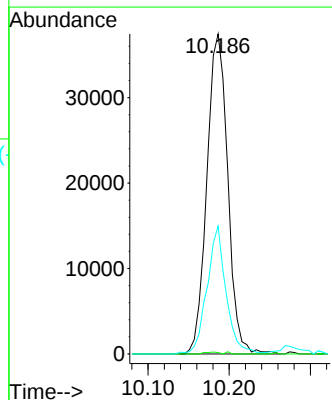
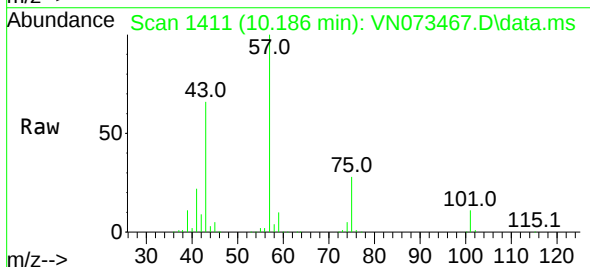
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

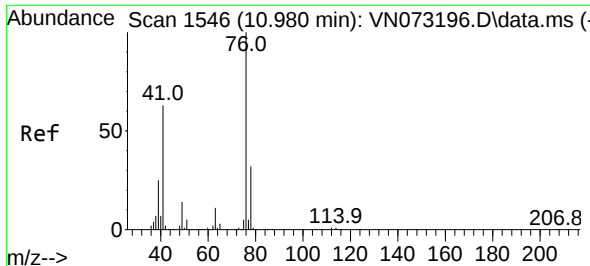
Tgt Ion: 75 Resp: 1281
Ion Ratio Lower Upper
75 100
77 85.6 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 12.219 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.058 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 75 Resp: 66822
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 39.4 35.7 53.5





#57

1,3-Dichloropropane

Concen: 1.568 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.053 min

Lab File: VN073467.D

Acq: 14 Jul 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

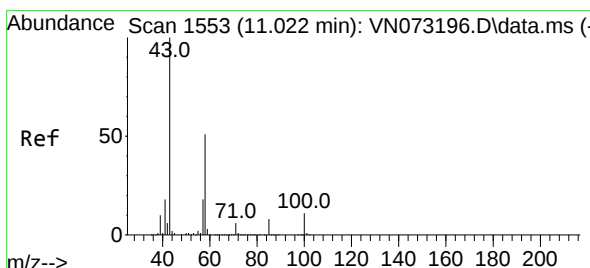
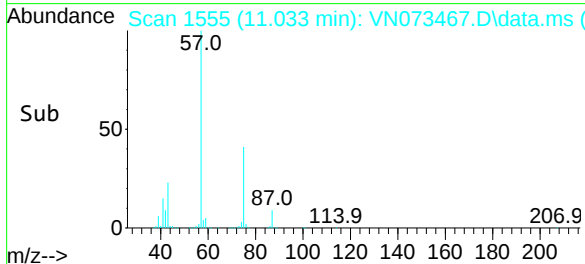
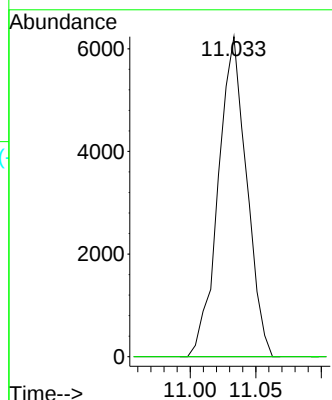
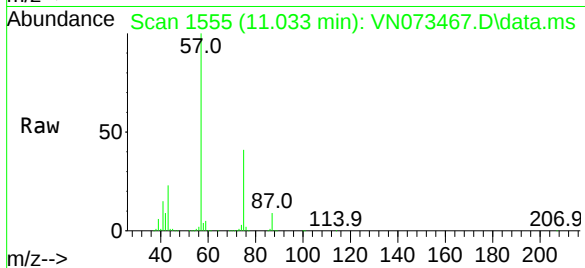
PB146203TB

Tgt Ion: 76 Resp: 9385

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 31.062 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.011 min

Lab File: VN073467.D

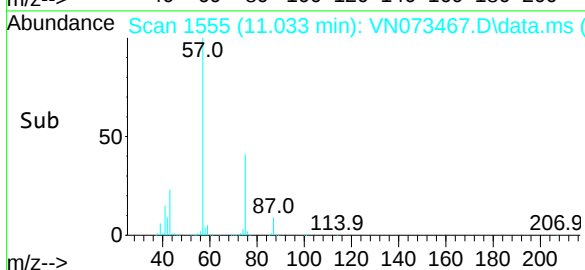
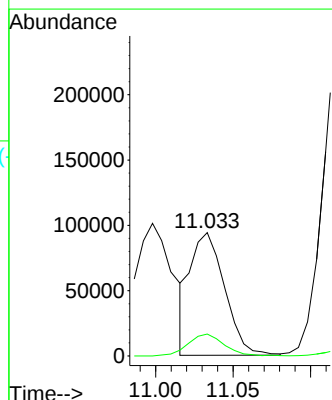
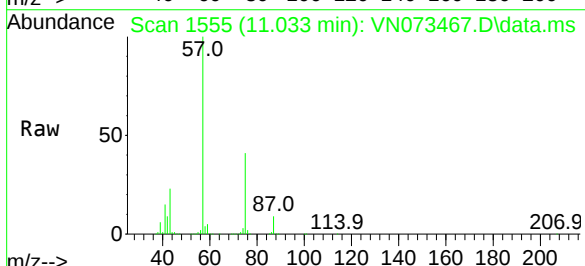
Acq: 14 Jul 2022 17:52

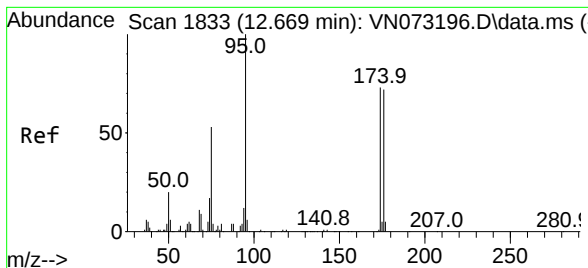
Tgt Ion: 43 Resp: 145038

Ion Ratio Lower Upper

43 100

58 18.9 29.7 89.1#

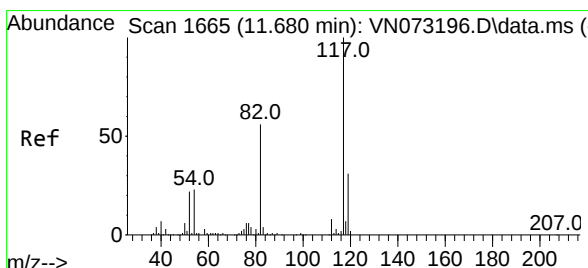
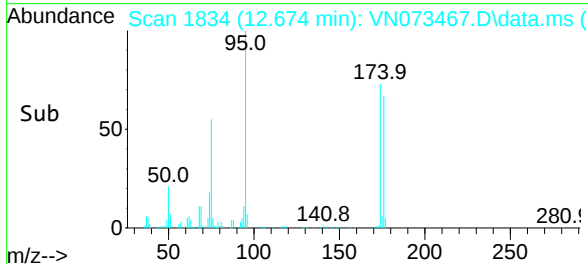
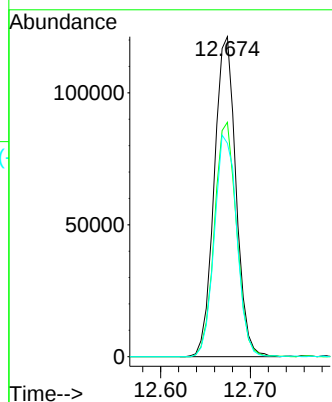
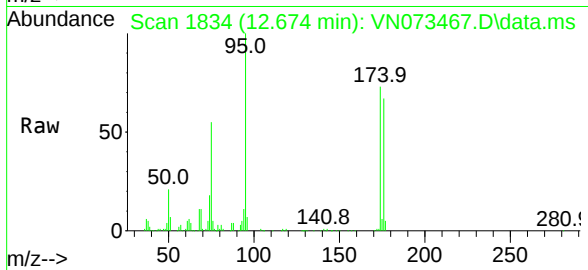




#62
4-Bromofluorobenzene
Concen: 51.702 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

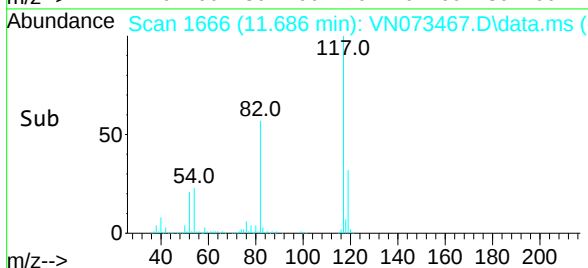
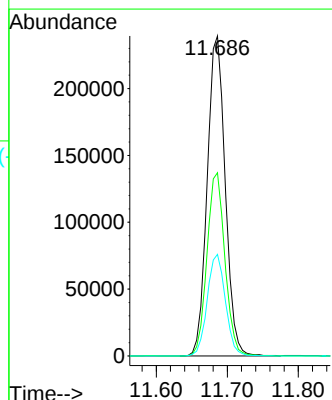
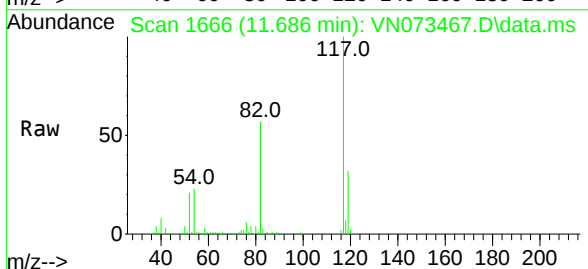
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

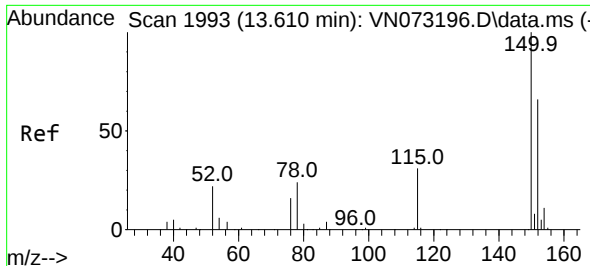
Tgt Ion: 95 Resp: 203999
Ion Ratio Lower Upper
95 100
174 74.4 0.0 167.6
176 71.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 117 Resp: 422053
Ion Ratio Lower Upper
117 100
82 57.2 44.2 66.2
119 31.8 25.4 38.0

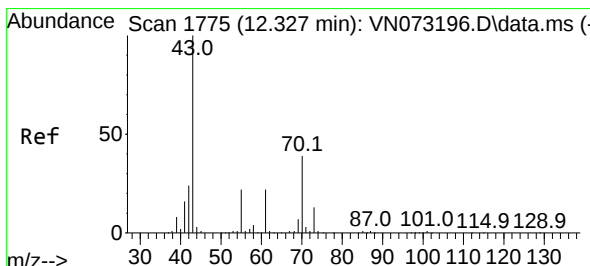
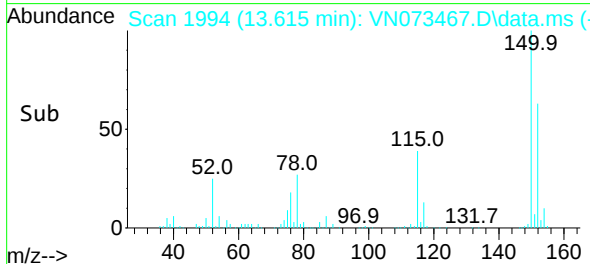
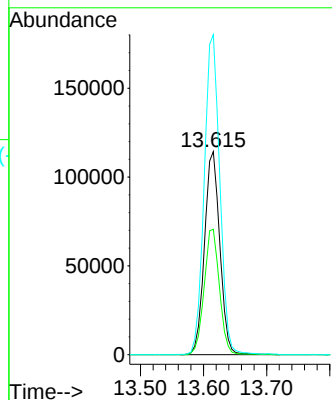
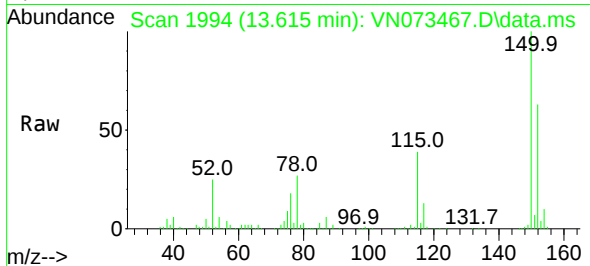




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1993
Delta R.T. 0.005 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

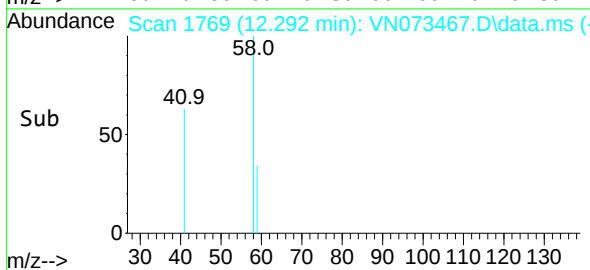
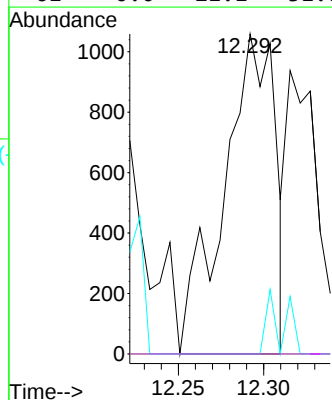
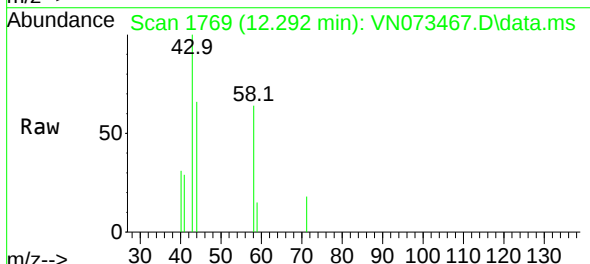
Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

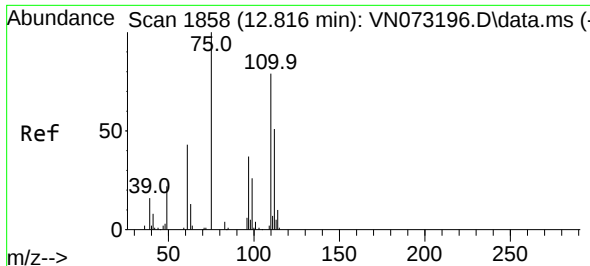
Tgt Ion:152 Resp: 193379
Ion Ratio Lower Upper
152 100
115 61.5 28.9 86.7
150 159.8 0.0 356.2



#74
N-ethyl acetate
Concen: 0.265 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 6.4 21.1 31.7#
61 0.0 21.1 31.7#

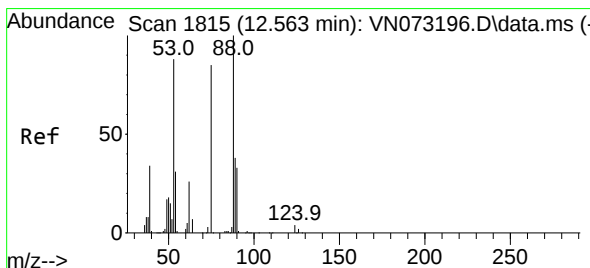
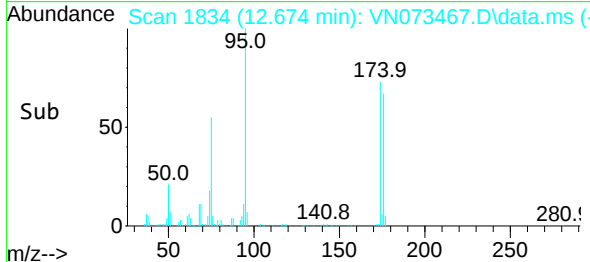
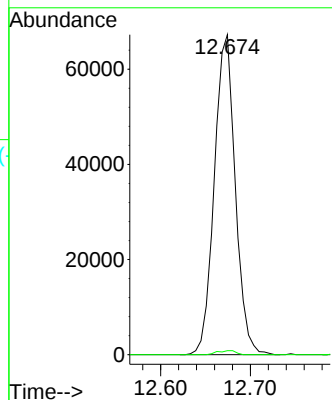
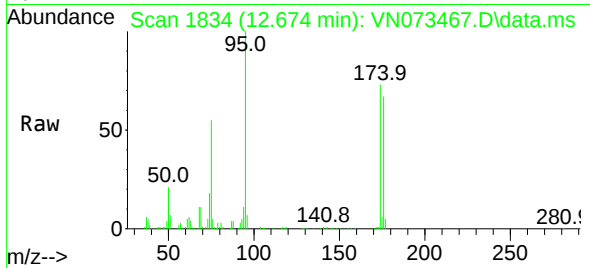




#76
1,2,3-Trichloropropane
Concen: 21.570 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB146203TB

Tgt Ion: 75 Resp: 109066
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.154 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073467.D
Acq: 14 Jul 2022 17:52

Tgt Ion: 75 Resp: 109066
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

