

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045810.D
 Acq On : 16 Apr 2025 16:08
 Operator : JC/MD
 Sample : Q1803-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FUEL-MONITORING

Quant Time: Apr 17 01:37:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

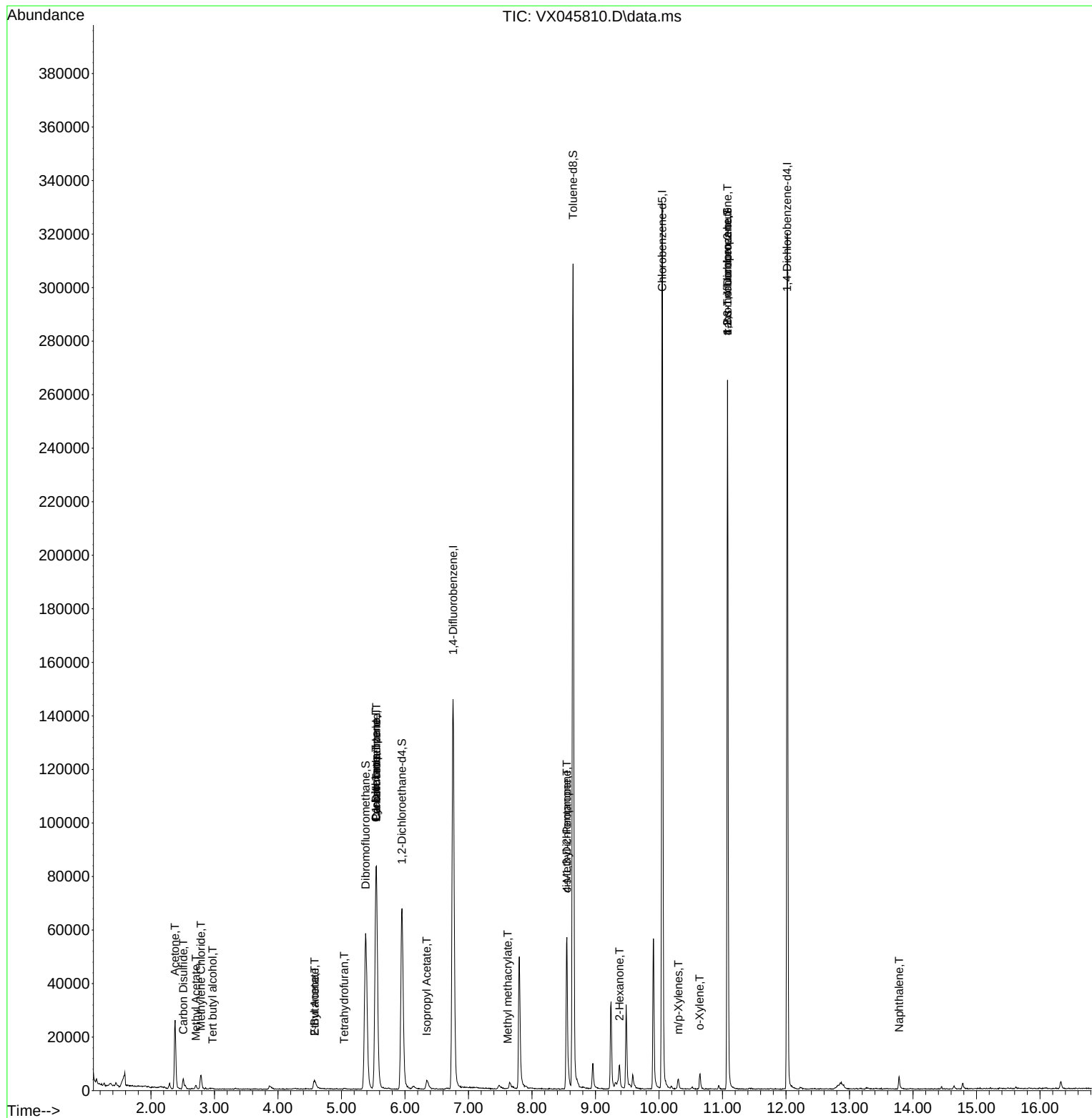
Internal Standards						
1) Pentafluorobenzene	5.550	168	70968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138987	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69285	53.386	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.780%			
35) Dibromofluoromethane	5.379	113	50773	51.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	8.647	98	177219	51.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.980%			
62) 4-Bromofluorobenzene	11.079	95	68378	54.540	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.080%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	292	1.674	ug/l #	72
16) Acetone	2.380	43	28192	52.901	ug/l	97
17) Carbon Disulfide	2.508	76	4654	2.212	ug/l	100
18) Methyl Acetate	2.709	43	1720	1.402	ug/l #	90
20) Methylene Chloride	2.788	84	2464	2.470	ug/l	95
25) 2-Butanone	4.574	43	7449	9.549	ug/l	95
29) Tetrahydrofuran	5.044	42	262	0.518	ug/l #	47
31) Cyclohexane	5.544	56	2105	1.322	ug/l #	20
36) 1,1-Dichloropropene	5.544	75	7230	5.430	ug/l #	50
37) Ethyl Acetate	4.574	43	7449	4.439	ug/l #	71
38) Carbon Tetrachloride	5.550	117	8523	5.923	ug/l #	16
43) Isopropyl Acetate	6.342	43	5297	2.083	ug/l	98
48) Methyl methacrylate	7.617	41	670	0.510	ug/l #	15
51) 4-Methyl-2-Pentanone	8.549	43	22665	13.444	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	8486	5.806	ug/l #	66
59) 2-Hexanone	9.379	43	7389	5.919	ug/l #	28
68) m/p-Xylenes	10.305	106	856	0.464	ug/l	73
69) o-Xylene	10.640	106	1161	0.639	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	39269	28.412	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39269	96.427	ug/l #	1
95) Naphthalene	13.780	128	3693	0.939	ug/l	97

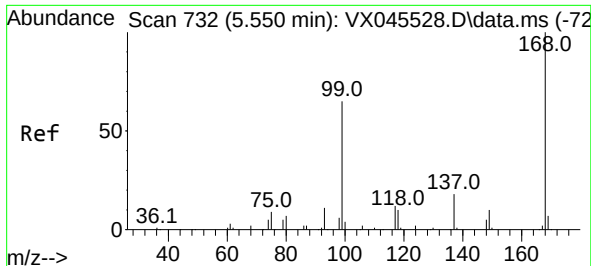
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
Data File : VX045810.D
Acq On : 16 Apr 2025 16:08
Operator : JC/MD
Sample : Q1803-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

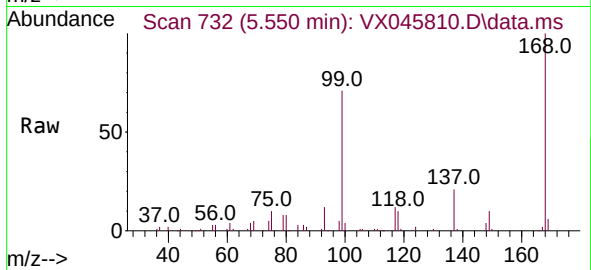
Quant Time: Apr 17 01:37:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



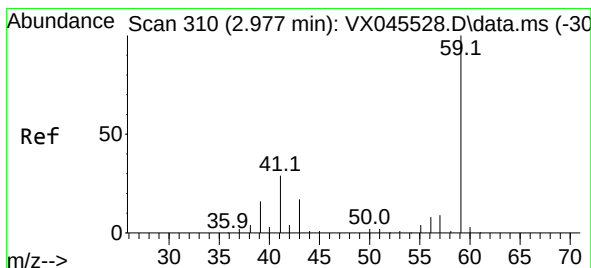
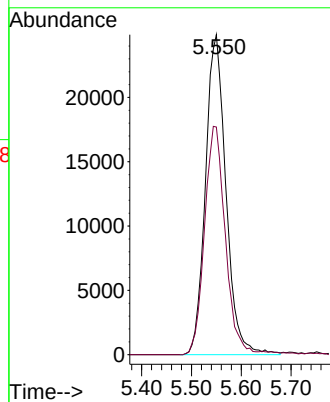
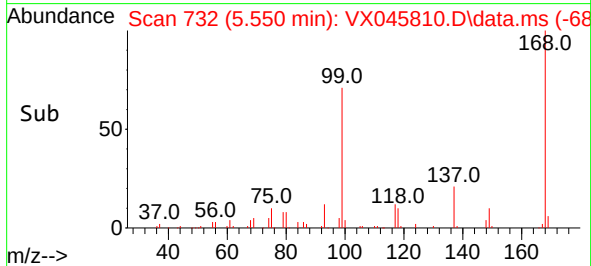


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

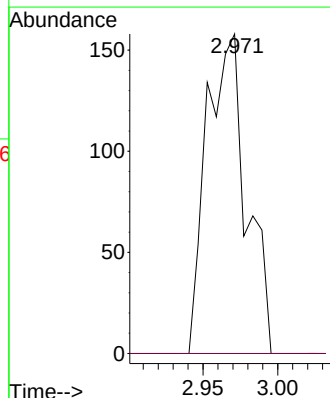
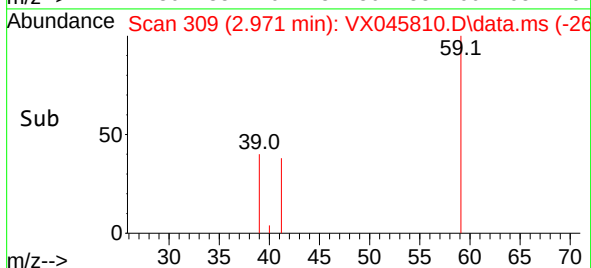
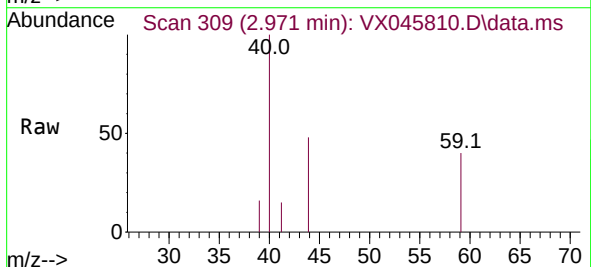


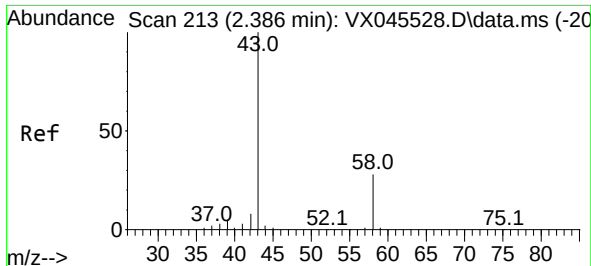
Tgt Ion:168 Resp: 70968
Ion Ratio Lower Upper
168 100
99 71.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.674 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

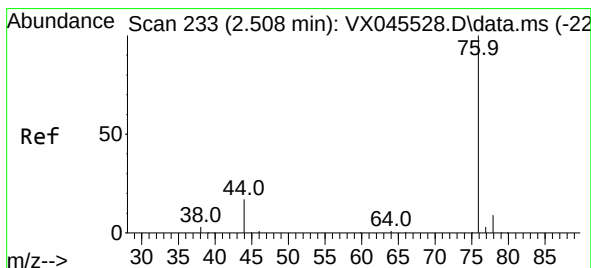
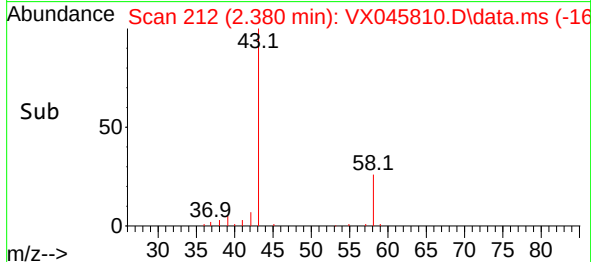
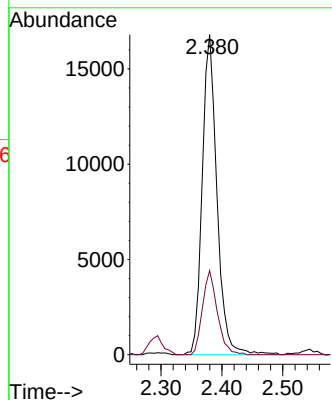
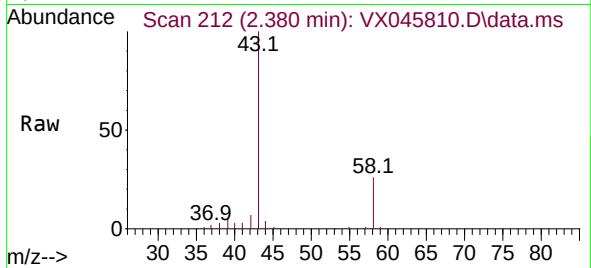




#16
Acetone
Concen: 52.901 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

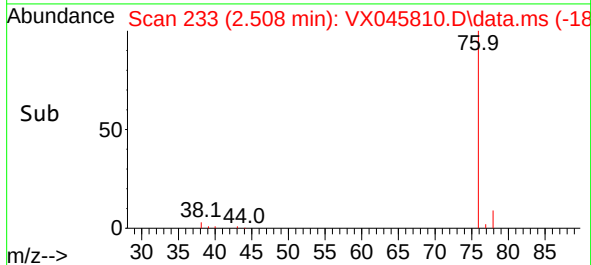
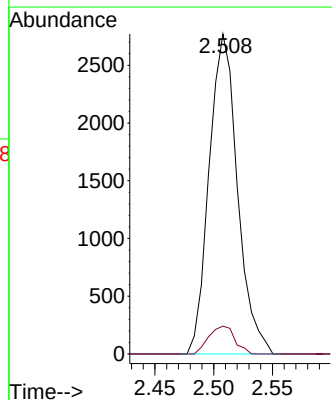
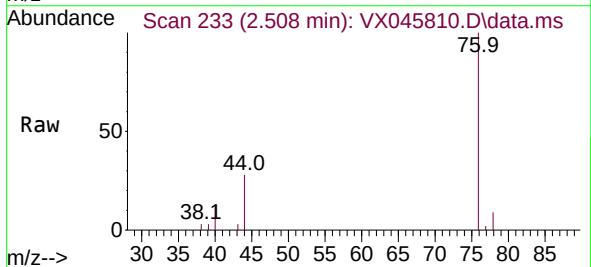
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

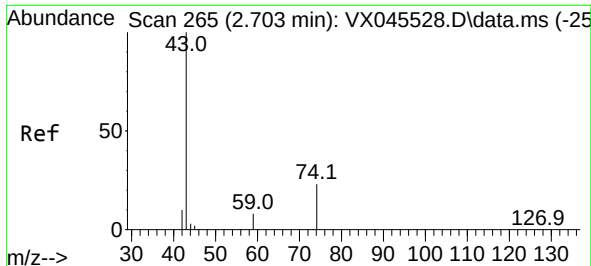
Tgt Ion: 43 Resp: 28192
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5



#17
Carbon Disulfide
Concen: 2.212 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 76 Resp: 4654
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

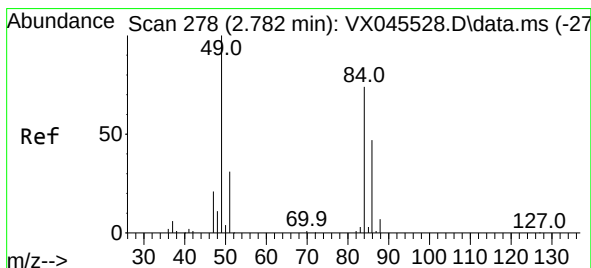
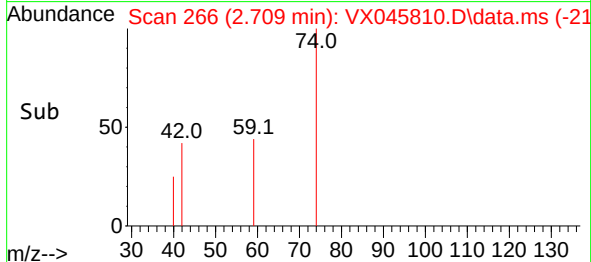
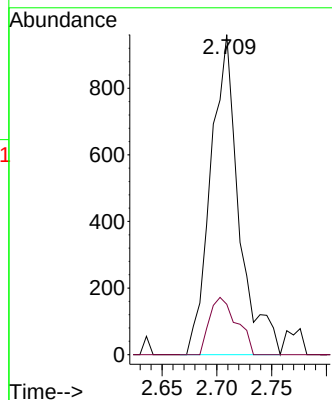
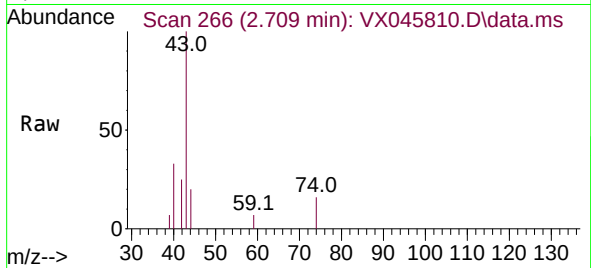




#18
Methyl Acetate
Concen: 1.402 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

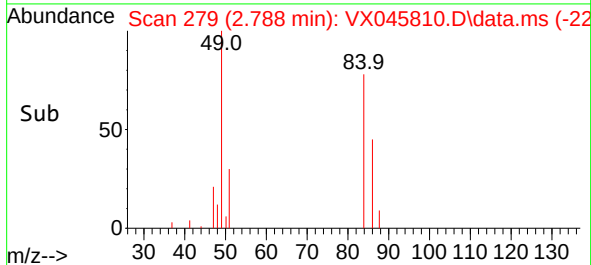
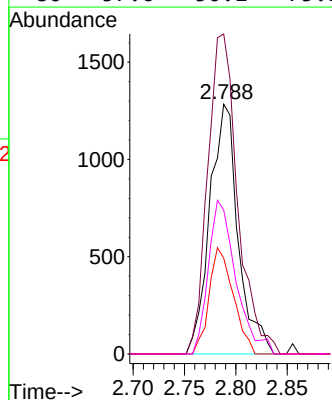
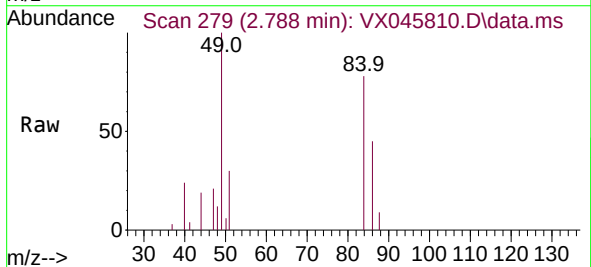
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

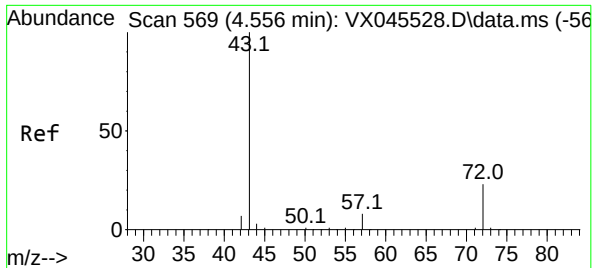
Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
74 17.2 17.5 26.3#



#20
Methylene Chloride
Concen: 2.470 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 84 Resp: 2464
Ion Ratio Lower Upper
84 100
49 128.1 107.5 161.3
51 38.4 33.0 49.6
86 57.6 50.1 75.1

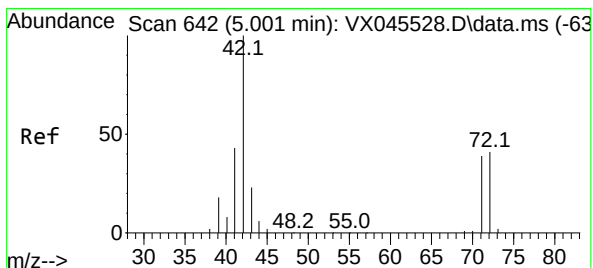
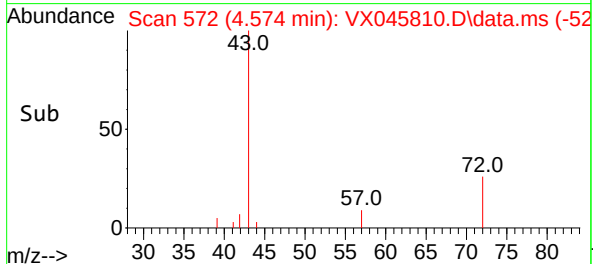
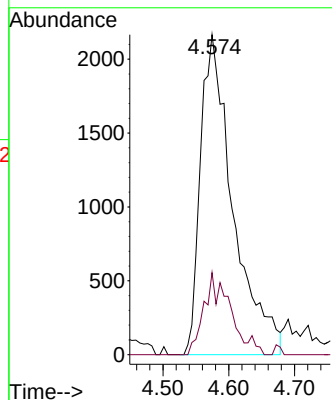
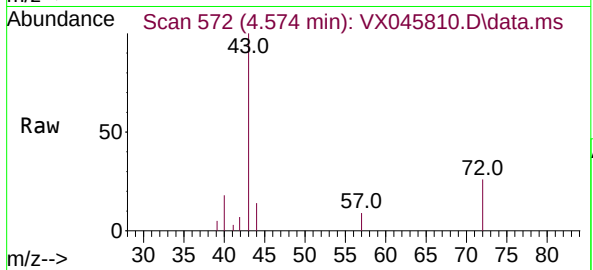




#25
2-Butanone
Concen: 9.549 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

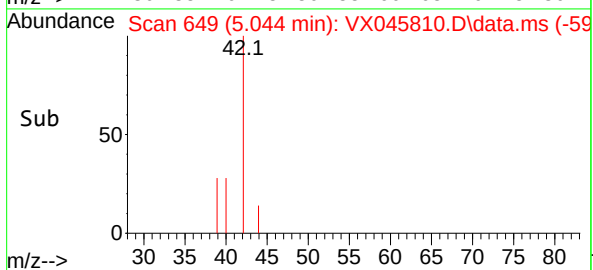
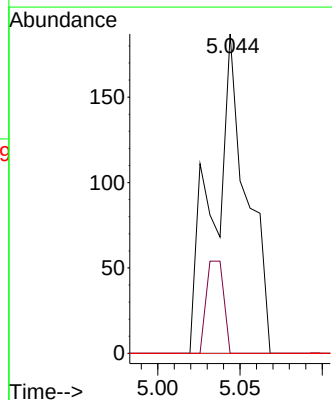
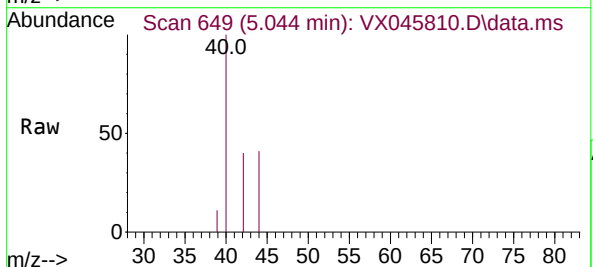
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

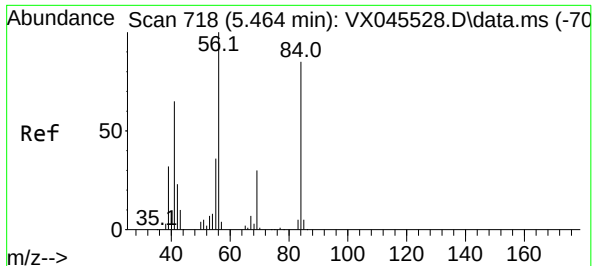
Tgt Ion: 43 Resp: 7449
Ion Ratio Lower Upper
43 100
72 25.7 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.518 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 42 Resp: 262
Ion Ratio Lower Upper
42 100
72 15.3 33.4 50.0#
71 0.0 31.4 47.0#

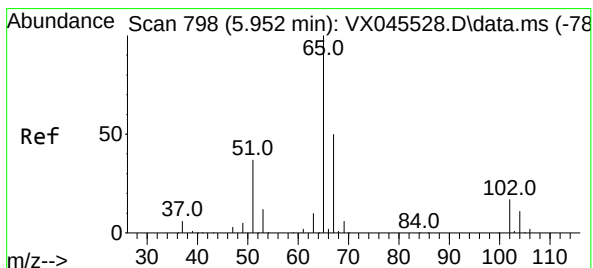
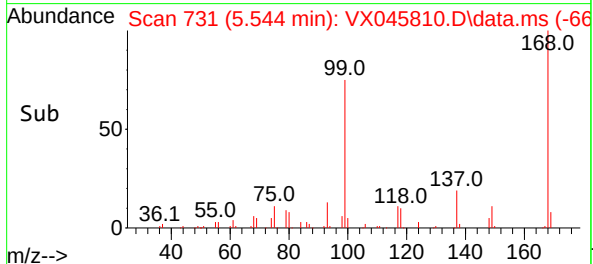
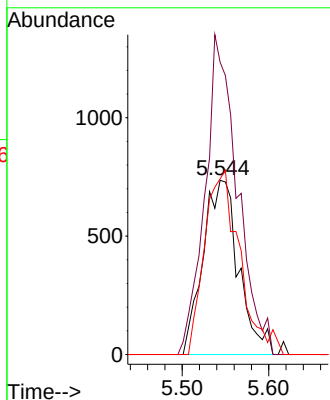
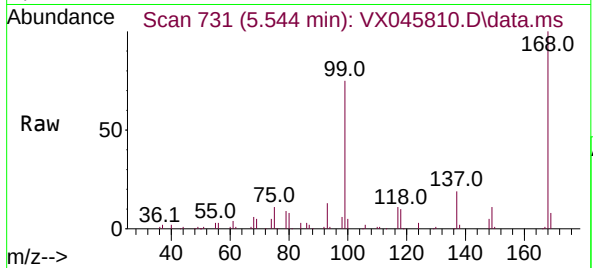




#31
Cyclohexane
Concen: 1.322 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

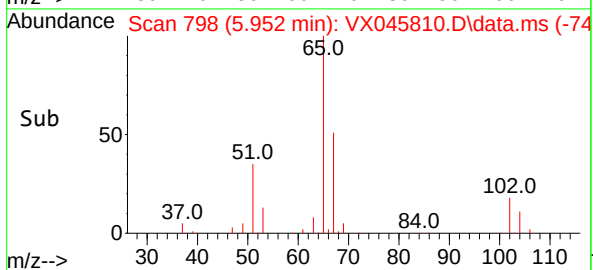
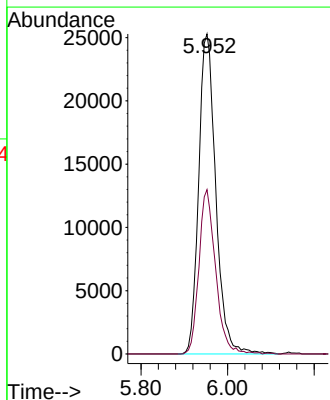
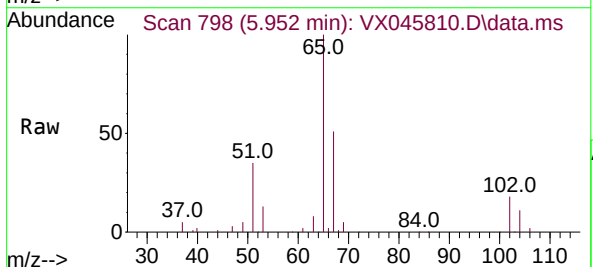
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

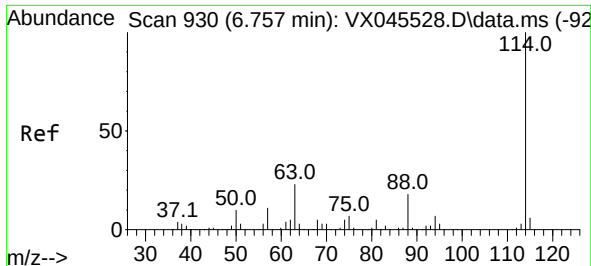
Tgt Ion: 56 Resp: 2105
Ion Ratio Lower Upper
56 100
69 167.8 23.6 35.4#
84 100.8 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.386 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 65 Resp: 69285
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.0

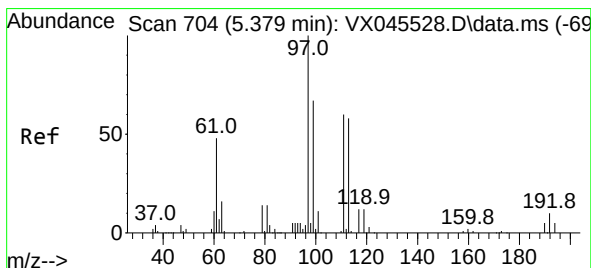
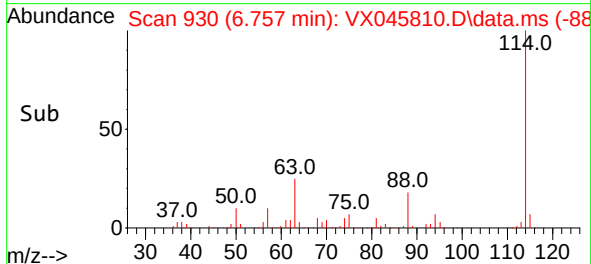
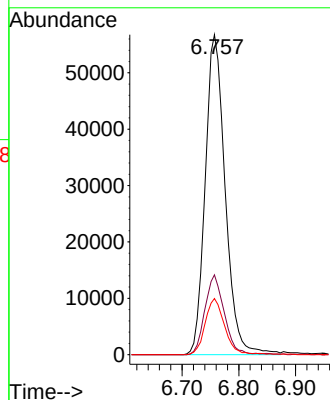
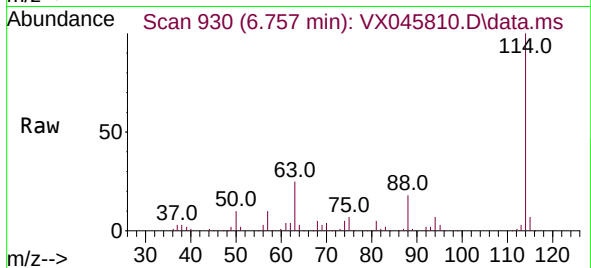




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

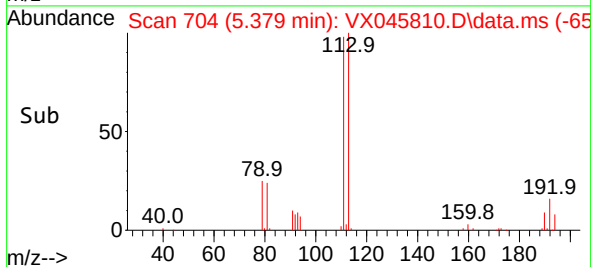
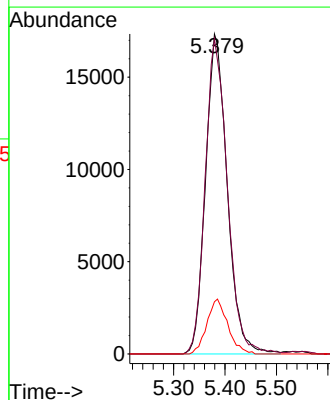
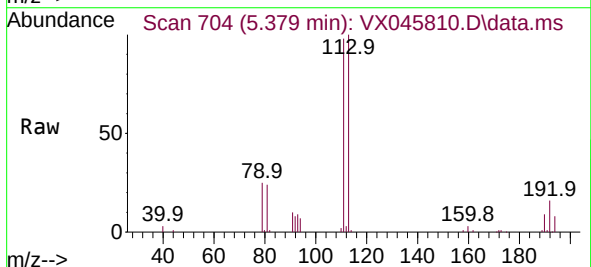
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

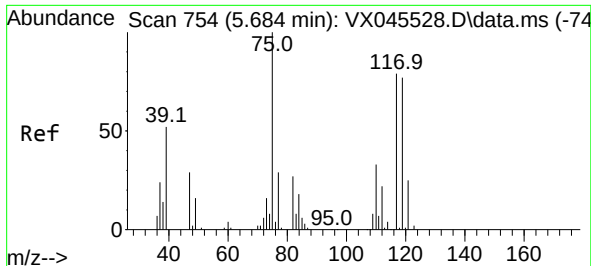
Tgt Ion:114 Resp: 138987
Ion Ratio Lower Upper
114 100
63 25.0 0.0 46.8
88 17.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.488 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion:113 Resp: 50773
Ion Ratio Lower Upper
113 100
111 100.8 81.8 122.6
192 16.6 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.430 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045810.D

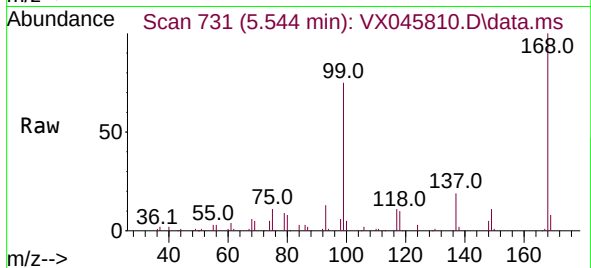
Acq: 16 Apr 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

FUEL-MONITORING



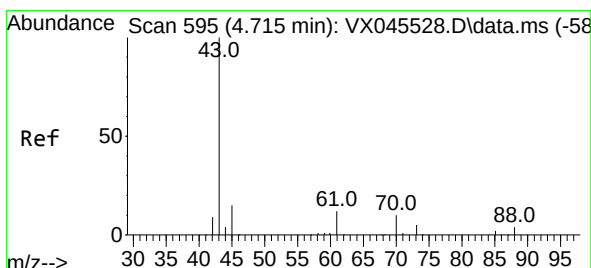
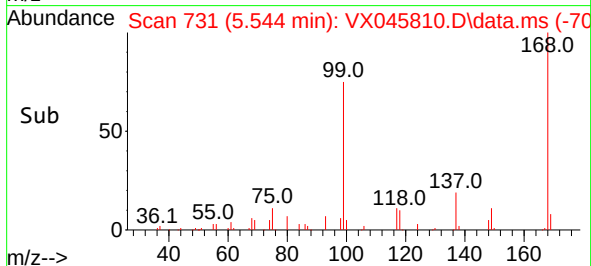
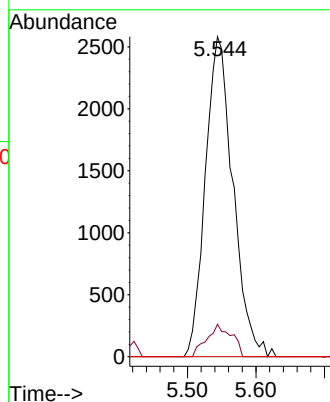
Tgt Ion: 75 Resp: 7230

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 4.439 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045810.D

Acq: 16 Apr 2025 16:08

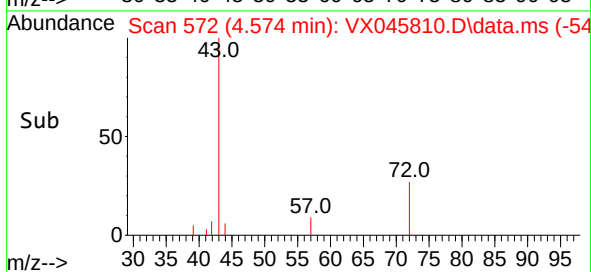
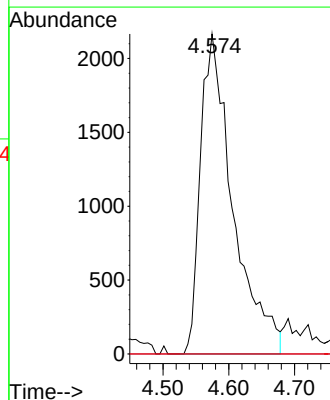
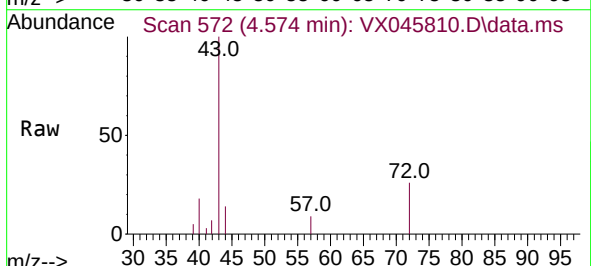
Tgt Ion: 43 Resp: 7449

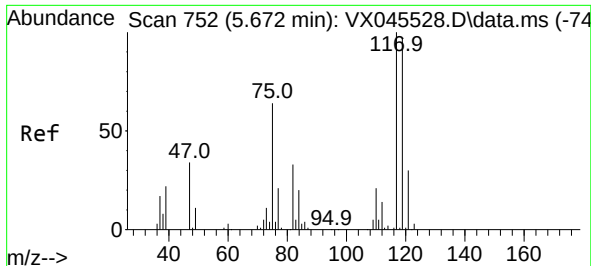
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

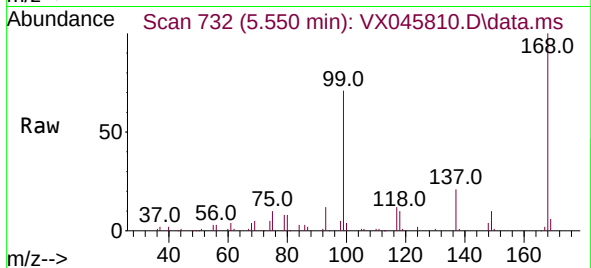
70 0.0 7.5 11.3#



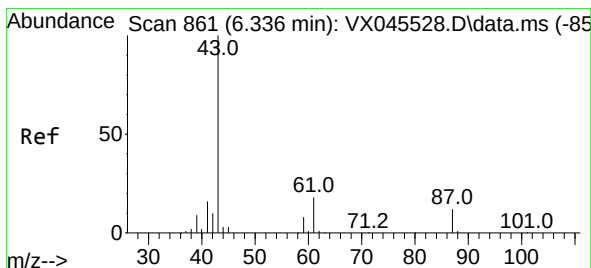
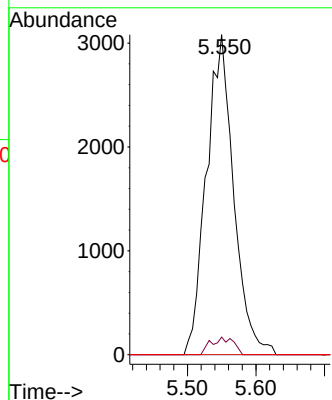
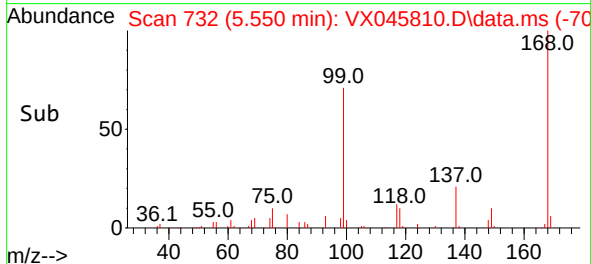


#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

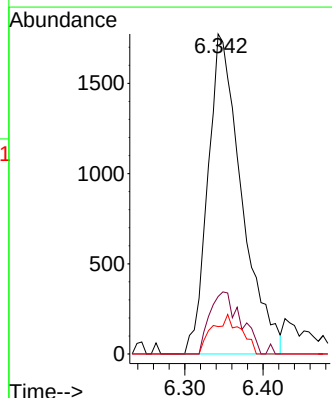
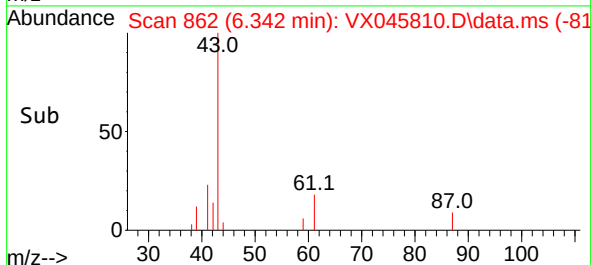
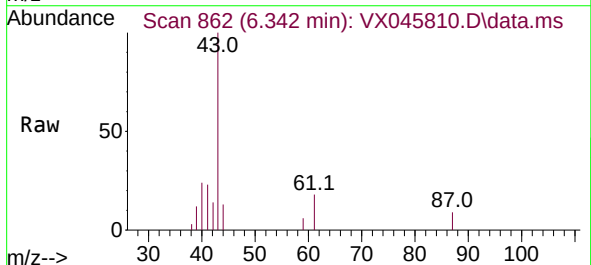


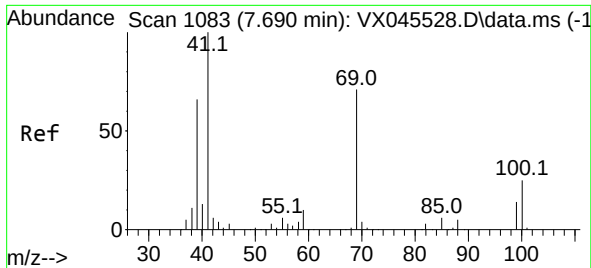
Tgt Ion:117 Resp: 8523
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.083 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 43 Resp: 5297
Ion Ratio Lower Upper
43 100
61 17.9 14.1 21.1
87 10.3 9.2 13.8

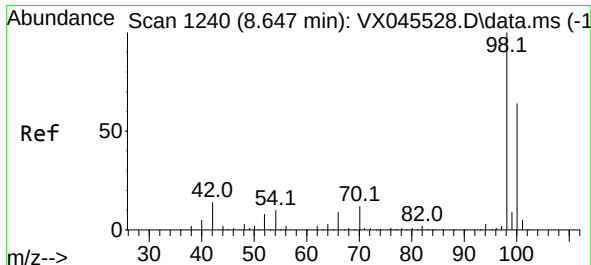
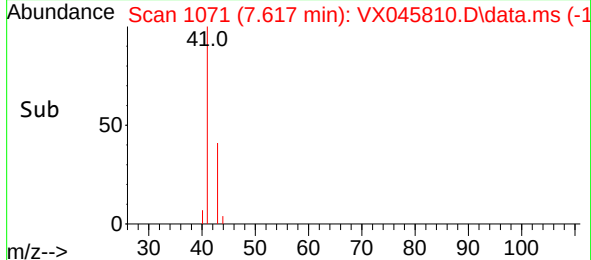
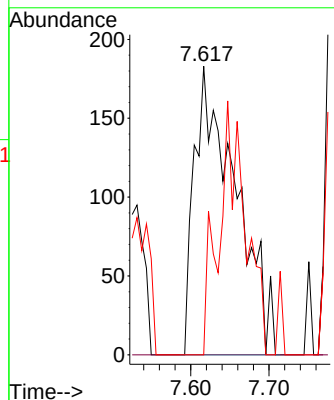
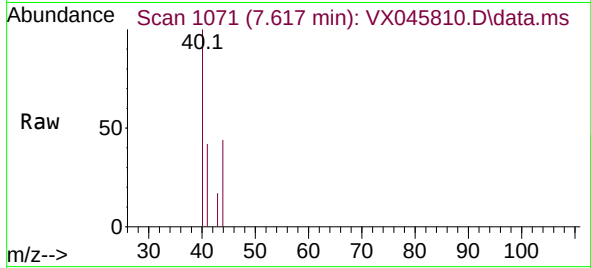




#48
Methyl methacrylate
Concen: 0.510 ug/l
RT: 7.617 min Scan# 1071
Delta R.T. -0.073 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

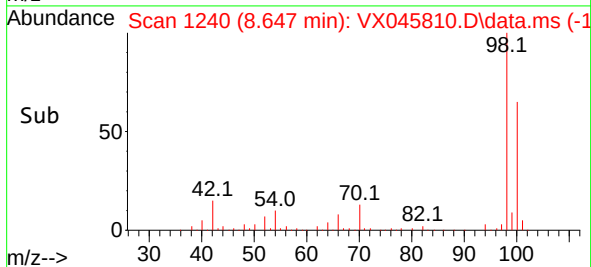
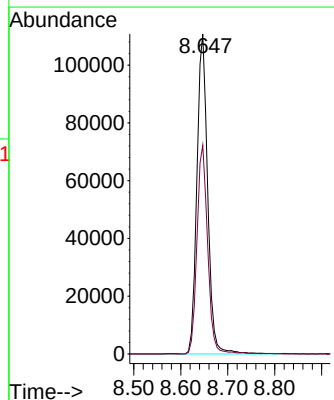
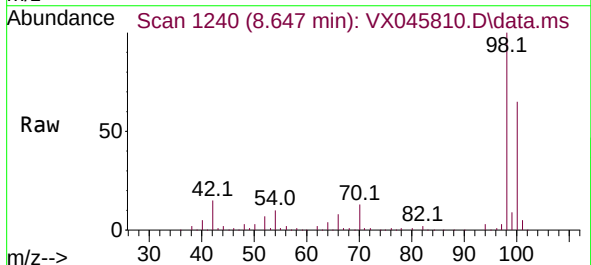
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

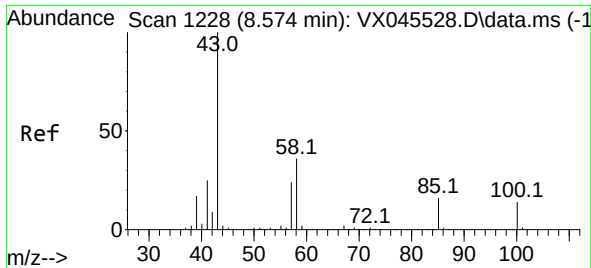
Tgt Ion: 41 Resp: 670
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 0.0 53.6 80.4#



#50
Toluene-d8
Concen: 51.488 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 98 Resp: 177219
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

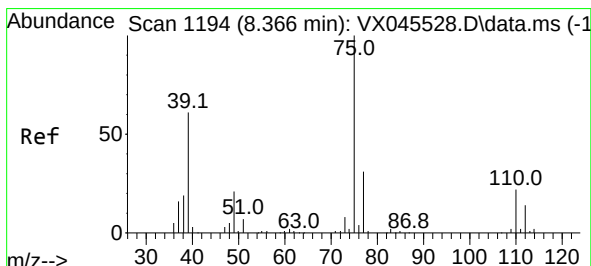
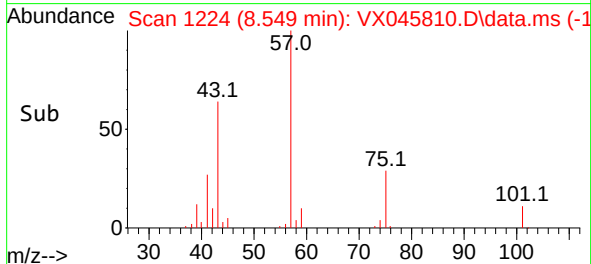
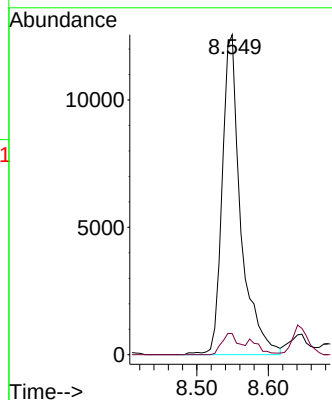
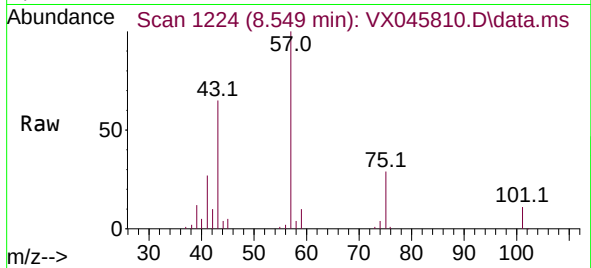




#51
4-Methyl-2-Pentanone
Concen: 13.444 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

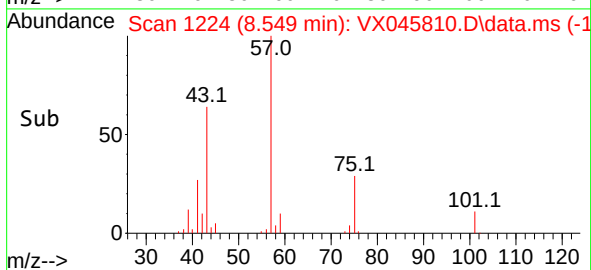
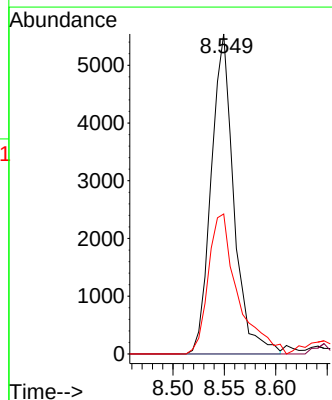
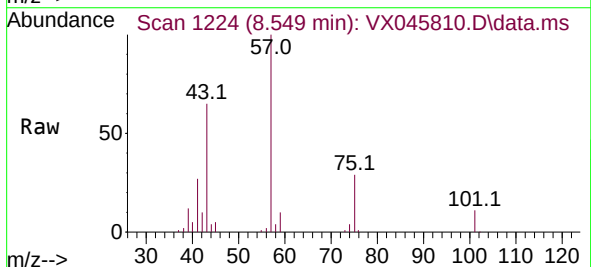
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

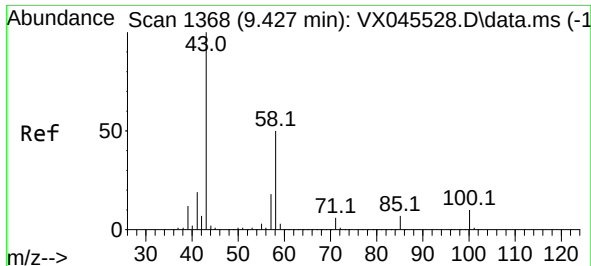
Tgt Ion: 43 Resp: 22665
Ion Ratio Lower Upper
43 100
58 6.2 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 5.806 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 75 Resp: 8486
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 43.8 48.4 72.6#

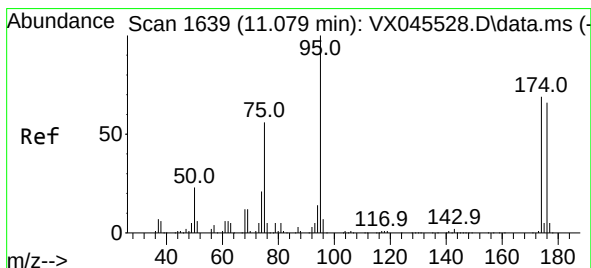
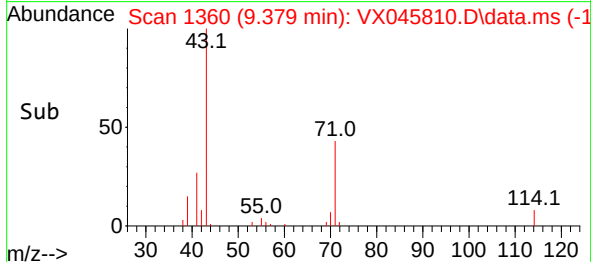
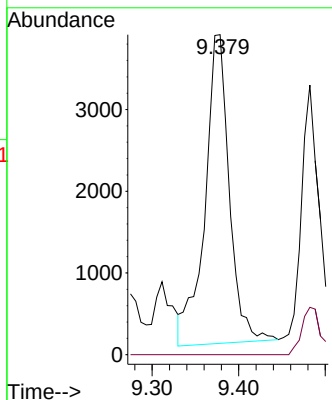
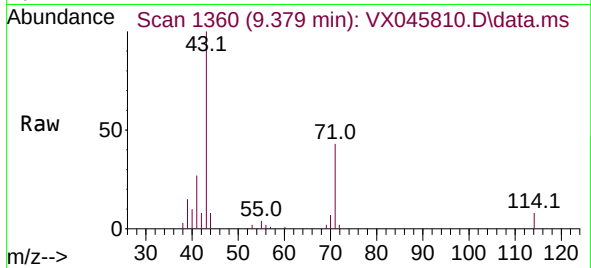




#59
2-Hexanone
Concen: 5.919 ug/l
RT: 9.379 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

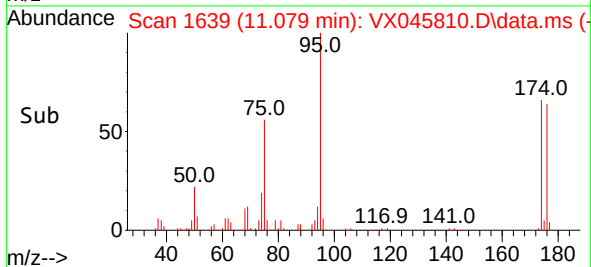
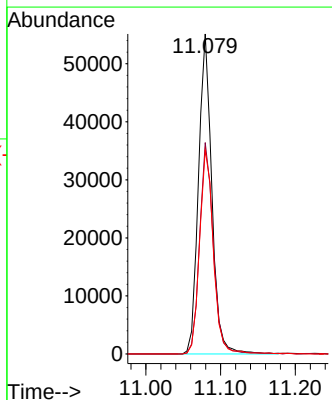
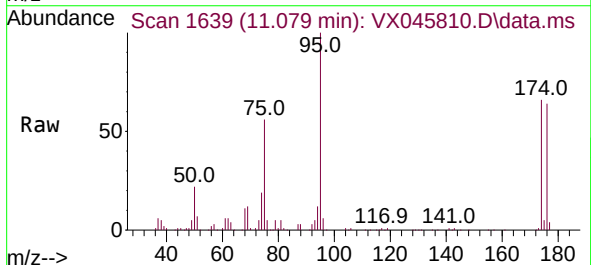
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

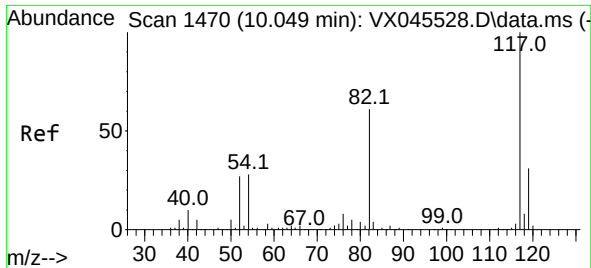
Tgt Ion: 43 Resp: 7389
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 54.540 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion: 95 Resp: 68378
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.8
176 66.0 0.0 131.4

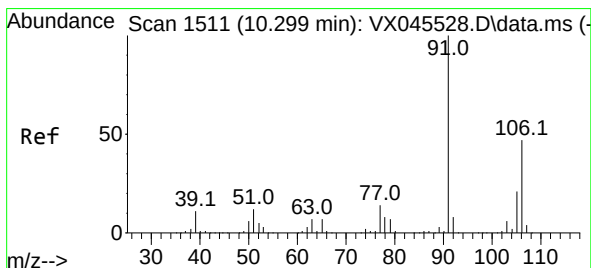
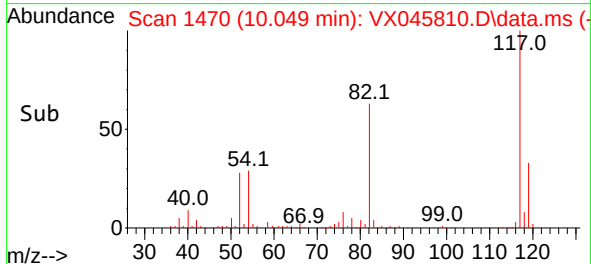
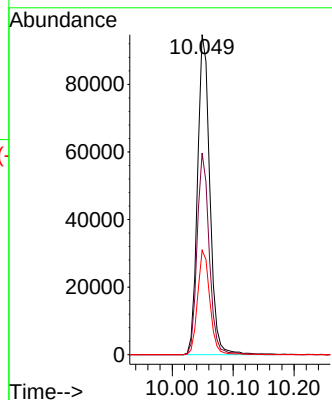
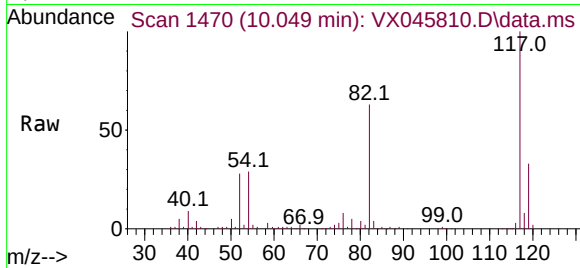




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

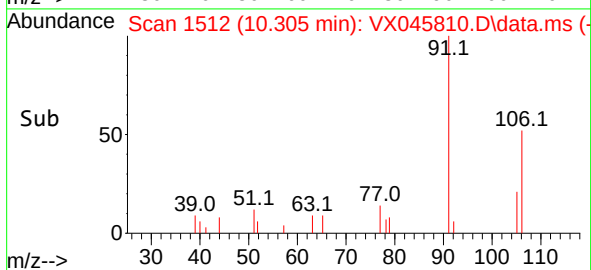
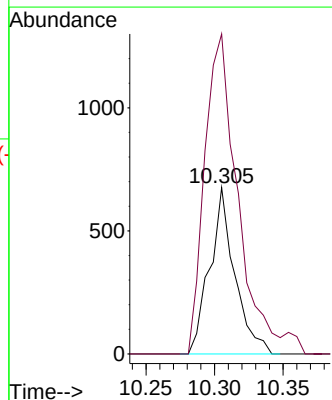
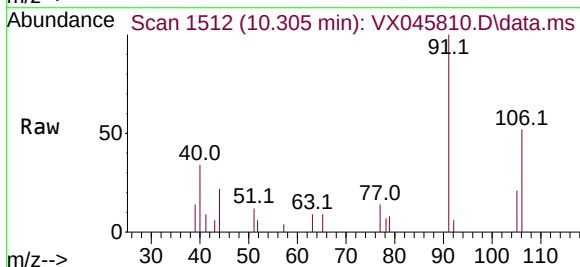
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

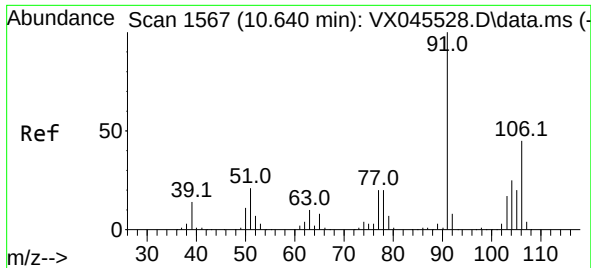
Tgt Ion:117 Resp: 132459
Ion Ratio Lower Upper
117 100
82 63.0 49.2 73.8
119 32.6 25.1 37.7



#68
m/p-Xylenes
Concen: 0.464 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion:106 Resp: 856
Ion Ratio Lower Upper
106 100
91 258.6 172.6 258.8

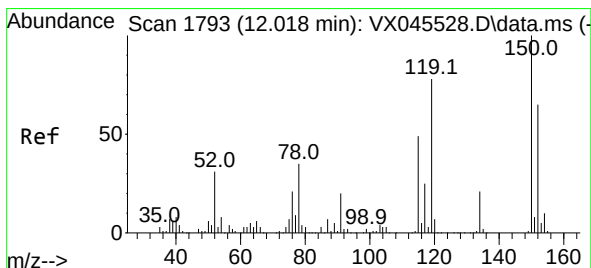
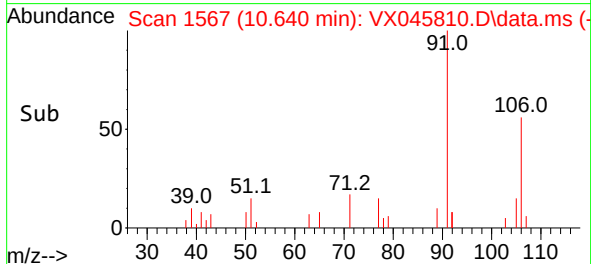
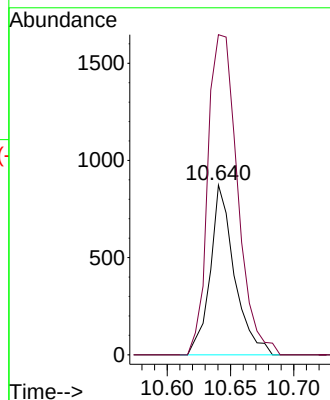
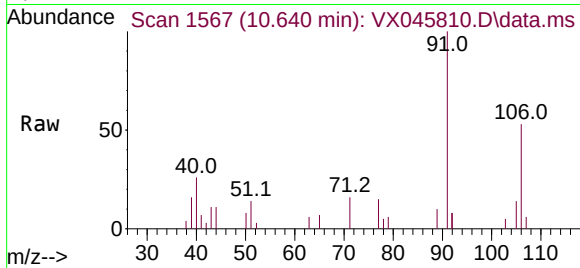




#69
o-Xylene
Concen: 0.639 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

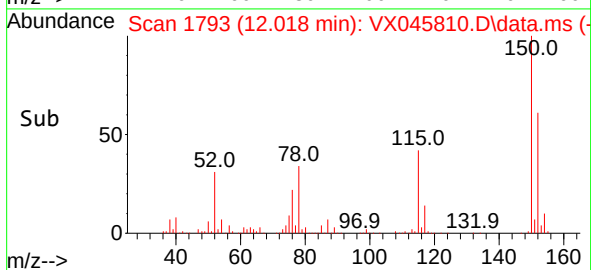
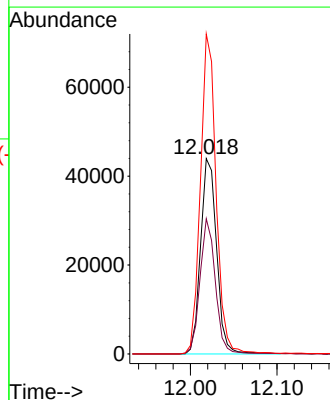
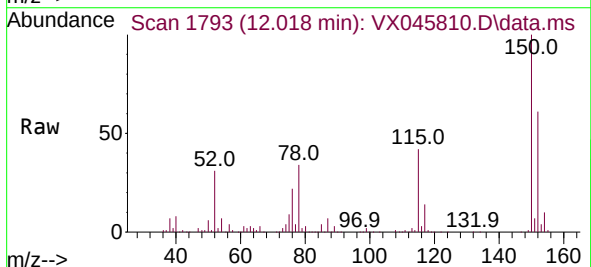
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

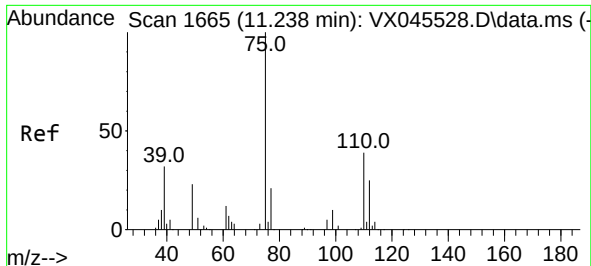
Tgt Ion:106 Resp: 1161
Ion Ratio Lower Upper
106 100
91 231.1 113.6 340.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Tgt Ion:152 Resp: 56662
Ion Ratio Lower Upper
152 100
115 66.7 46.9 140.7
150 160.4 0.0 349.4

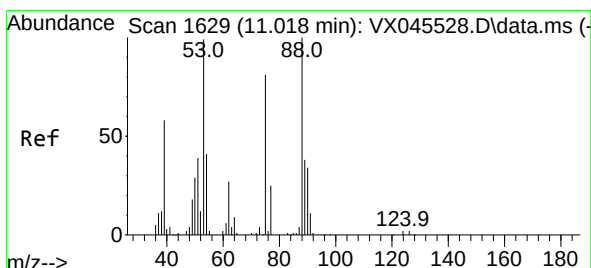
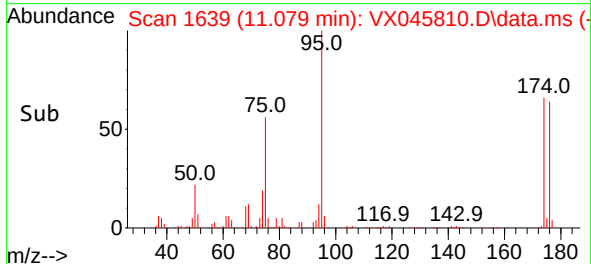
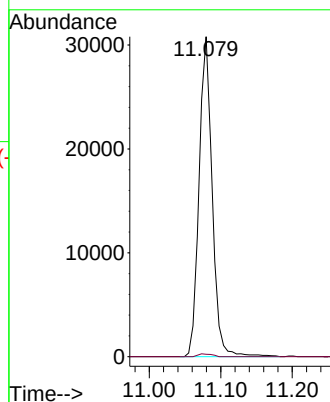
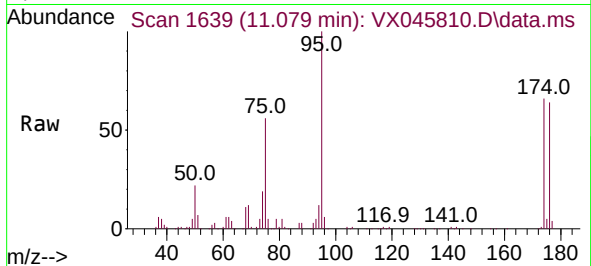




#76
1,2,3-Trichloropropane
Concen: 28.412 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

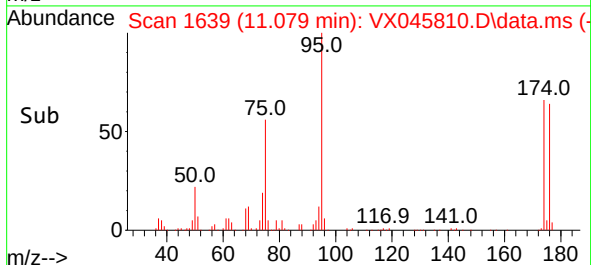
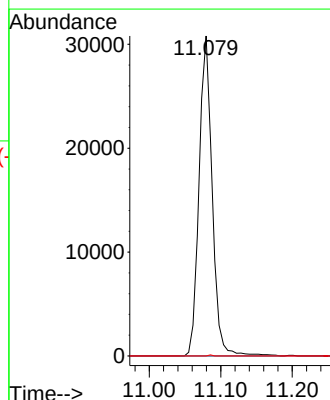
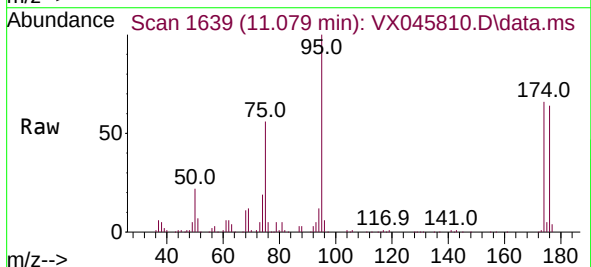
Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING

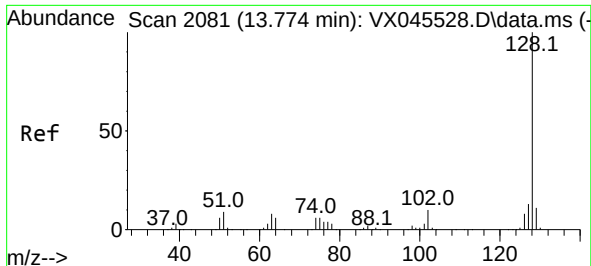
Tgt Ion: 75 Resp: 39269
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.427 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

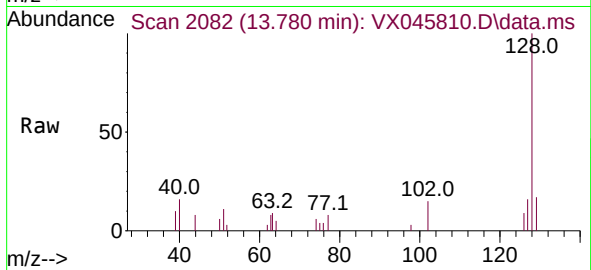
Tgt Ion: 75 Resp: 39269
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#





#95
Naphthalene
Concen: 0.939 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045810.D
Acq: 16 Apr 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
FUEL-MONITORING



Tgt Ion:	128	Resp:	3693
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	10.6	8.6	12.8

