

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045765.D
 Acq On : 14 Apr 2025 14:02
 Operator : JC/MD
 Sample : Q1767-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NWB-2152

Quant Time: Apr 15 01:28:34 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

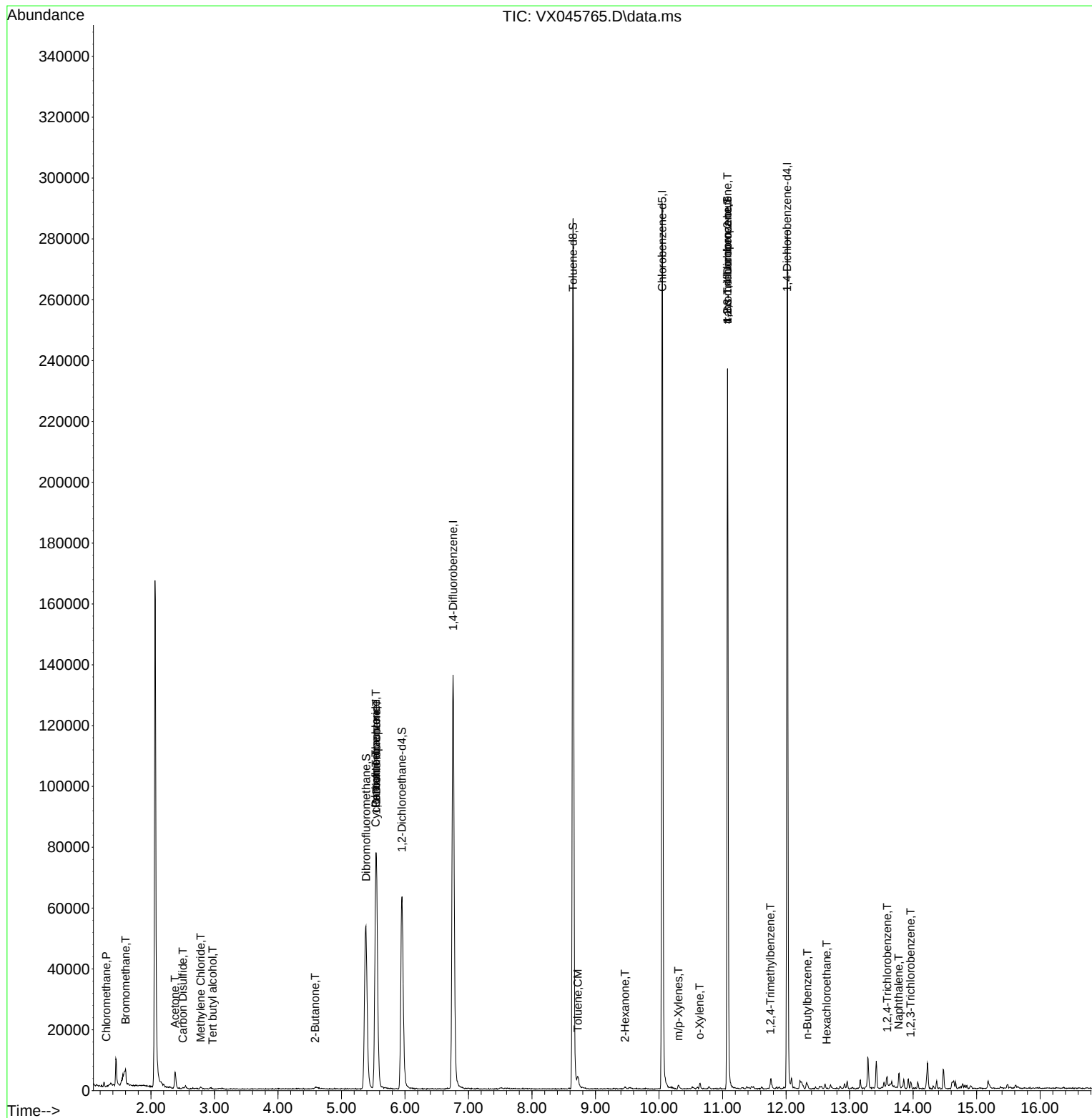
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131136	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65259	53.817	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.640%	
35) Dibromofluoromethane	5.385	113	47334	50.874	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.740%	
50) Toluene-d8	8.647	98	162819	50.137	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	11.079	95	62573	52.898	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.800%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	225	0.221	ug/l #	42
5) Bromomethane	1.599	94	139	0.314	ug/l #	53
11) Tert butyl alcohol	2.971	59	85	0.522	ug/l #	72
16) Acetone	2.380	43	5863	11.775	ug/l	99
17) Carbon Disulfide	2.502	76	519	0.264	ug/l #	76
20) Methylene Chloride	2.782	84	264	0.283	ug/l	85
25) 2-Butanone	4.587	43	709	0.973	ug/l #	52
31) Cyclohexane	5.538	56	2014	1.354	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	6686	5.322	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7914	5.829	ug/l #	16
52) Toluene	8.720	92	1221	0.526	ug/l	95
59) 2-Hexanone	9.464	43	598	0.508	ug/l	72
68) m/p-Xylenes	10.305	106	472	0.280	ug/l	99
69) o-Xylene	10.640	106	497	0.300	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	35820	27.936	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35820	94.810	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1091	0.312	ug/l	98
89) n-Butylbenzene	12.335	91	677	0.224	ug/l #	78
90) Hexachloroethane	12.640	117	232	0.387	ug/l #	19
93) 1,2,4-Trichlorobenzene	13.591	180	308	0.314	ug/l	96
95) Naphthalene	13.774	128	3200	0.877	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	443	0.432	ug/l #	77

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

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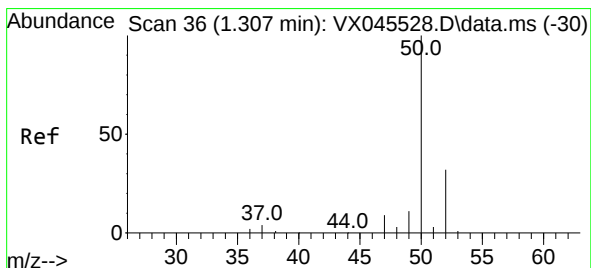
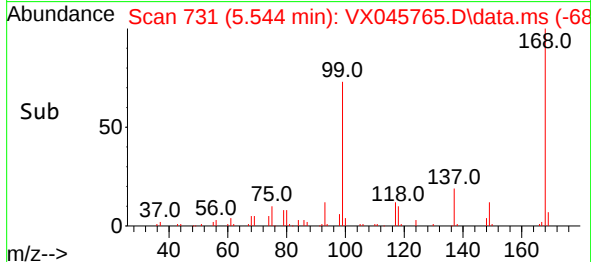
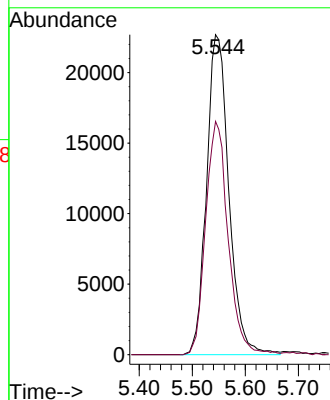
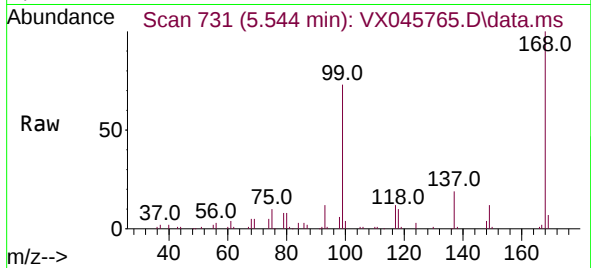




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

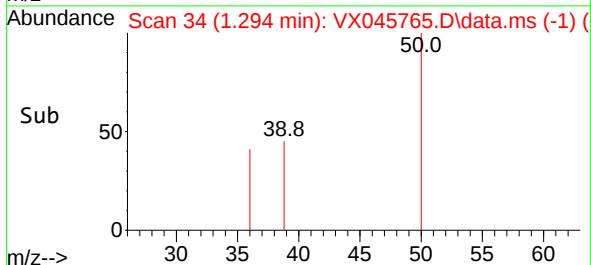
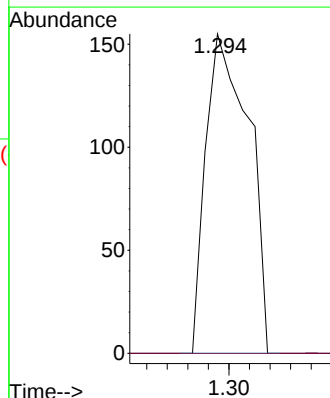
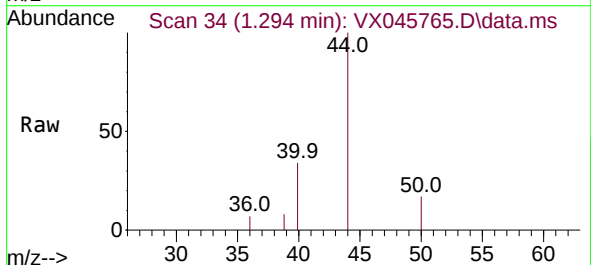
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

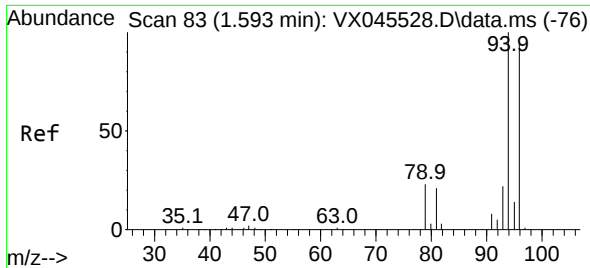
Tgt Ion:168 Resp: 66309
Ion Ratio Lower Upper
168 100
99 72.9 52.3 78.5



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 50 Resp: 225
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

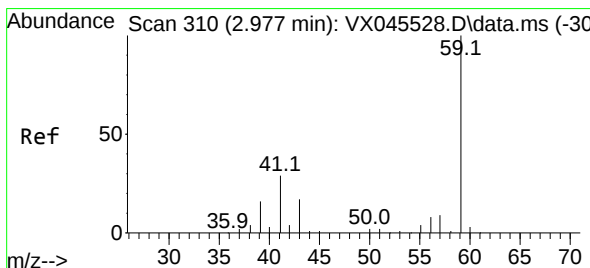
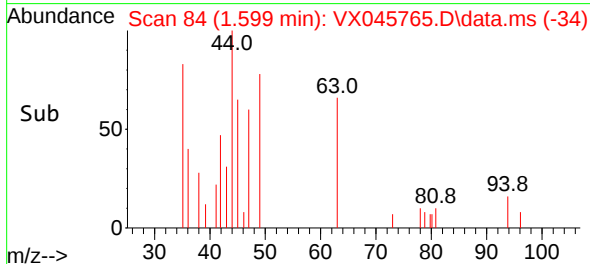
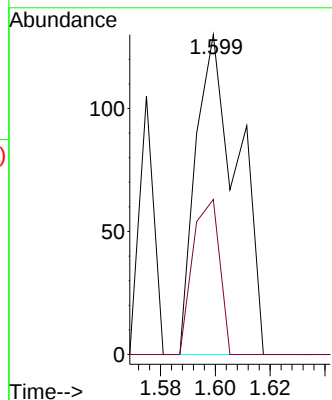
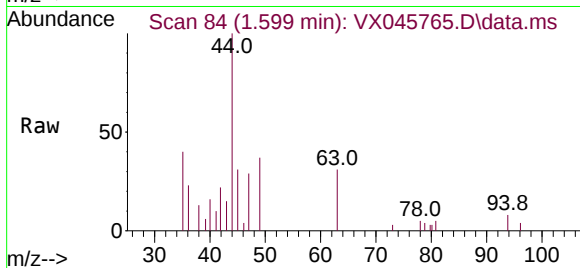




#5
Bromomethane
Concen: 0.314 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

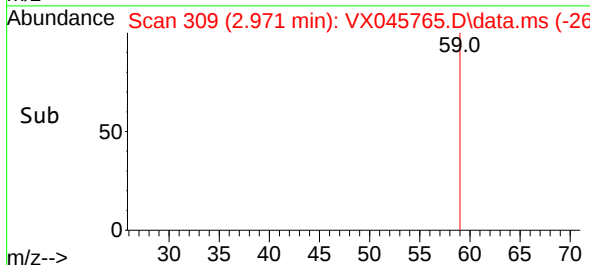
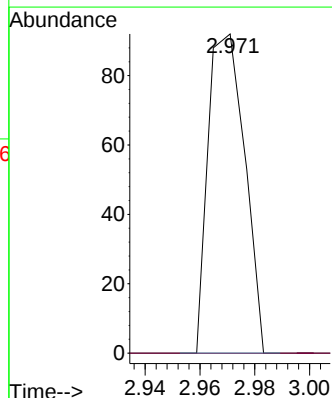
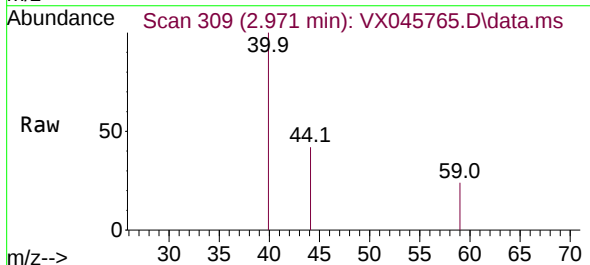
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

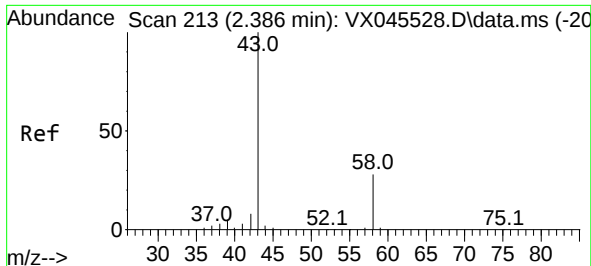
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 48.5 74.8 112.2#



#11
Tert butyl alcohol
Concen: 0.522 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 59 Resp: 85
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 11.775 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045765.D

Acq: 14 Apr 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

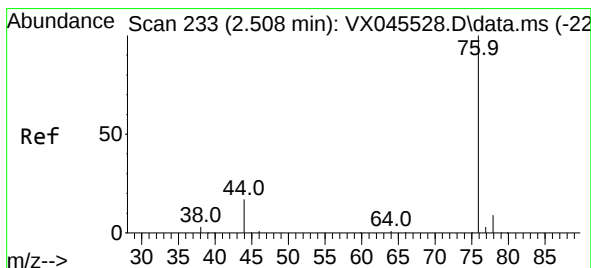
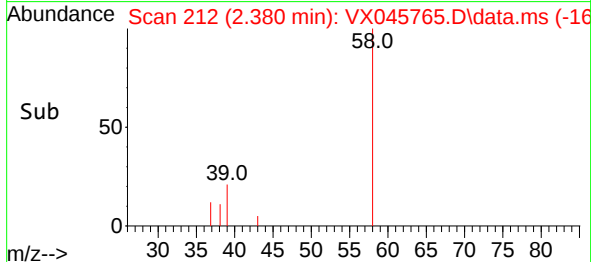
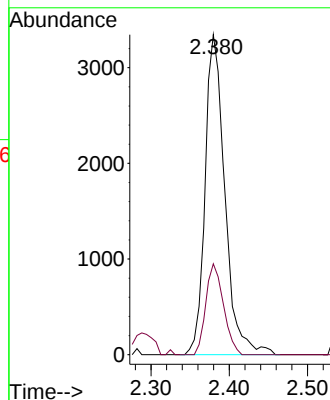
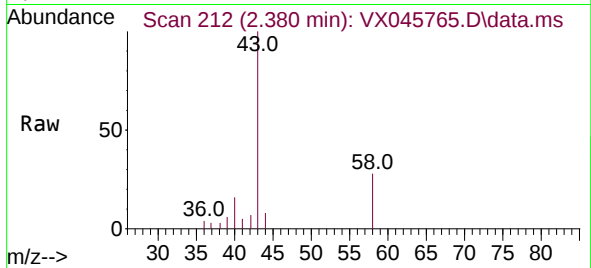
NWB-2152

Tgt Ion: 43 Resp: 5863

Ion Ratio Lower Upper

43 100

58 28.4 22.3 33.5



#17

Carbon Disulfide

Concen: 0.264 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.006 min

Lab File: VX045765.D

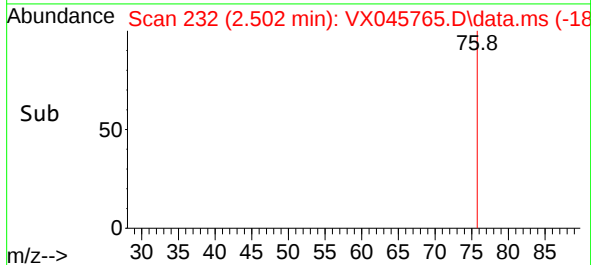
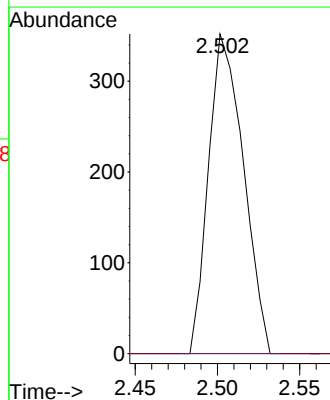
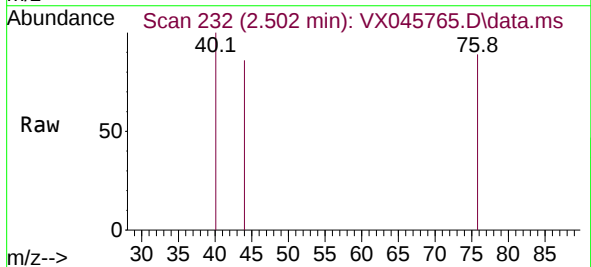
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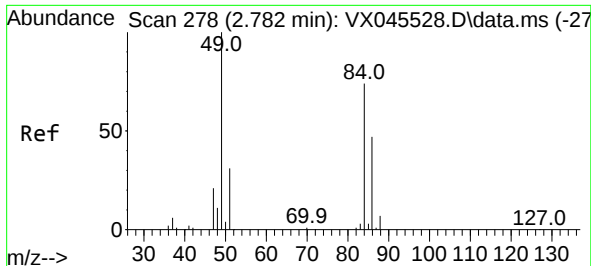
Tgt Ion: 76 Resp: 519

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

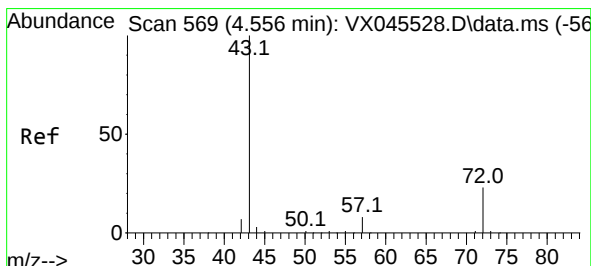
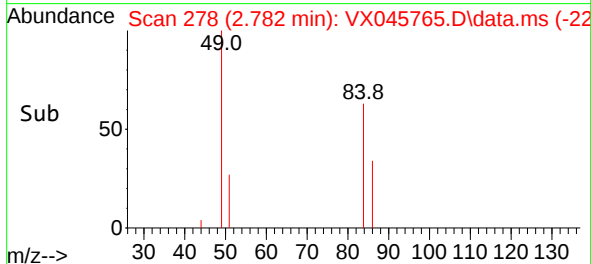
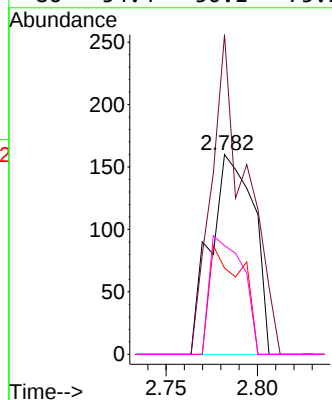
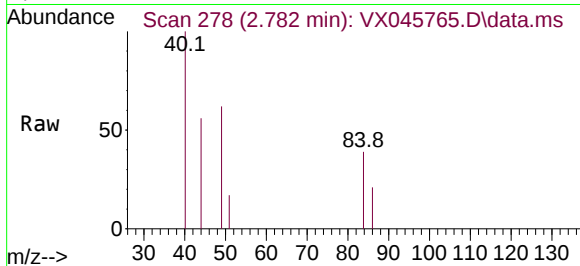




#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

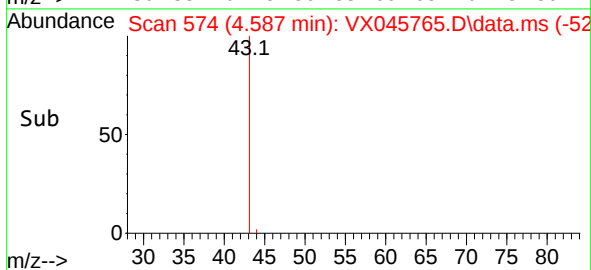
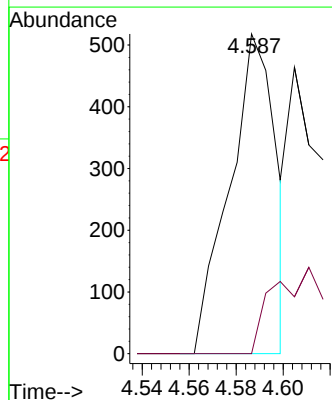
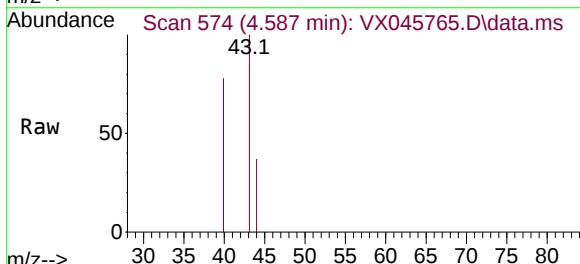
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

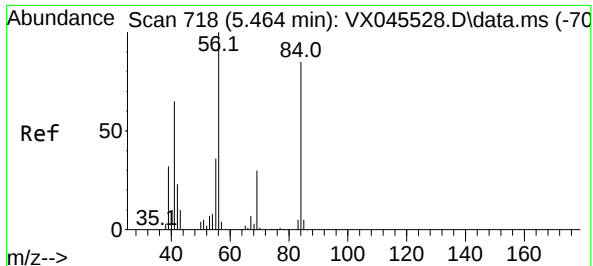
Tgt Ion:	84	Resp:	264
Ion	Ratio	Lower	Upper
84	100		
49	160.0	107.5	161.3
51	43.1	33.0	49.6
86	54.4	50.1	75.1



#25
2-Butanone
Concen: 0.973 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

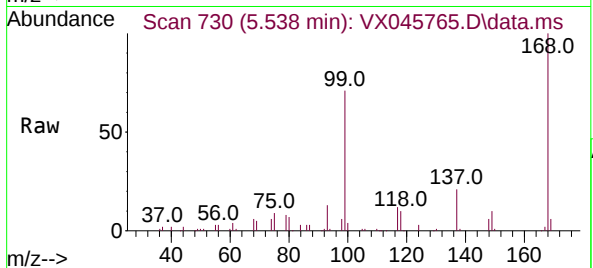
Tgt Ion:	43	Resp:	709
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	28.0#



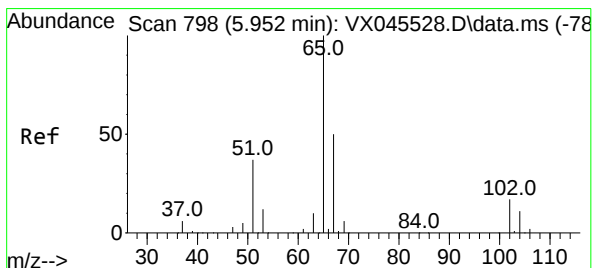
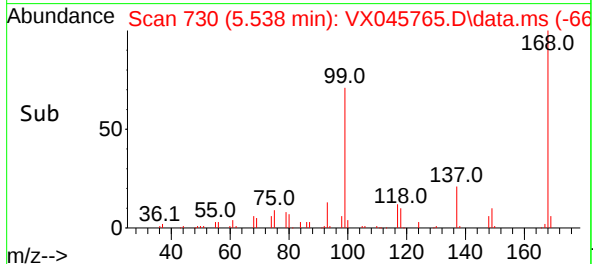
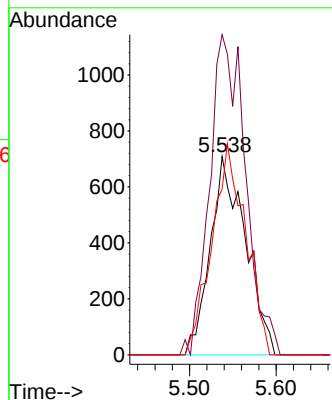


#31
Cyclohexane
Concen: 1.354 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Instrument :
MSVOA_X
ClientSampleId :
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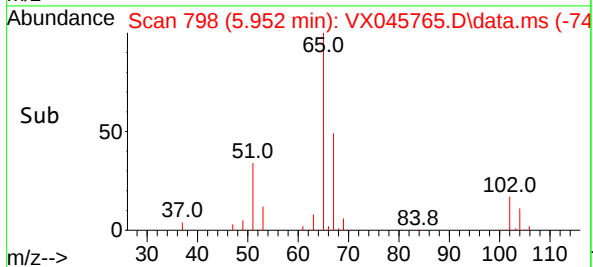
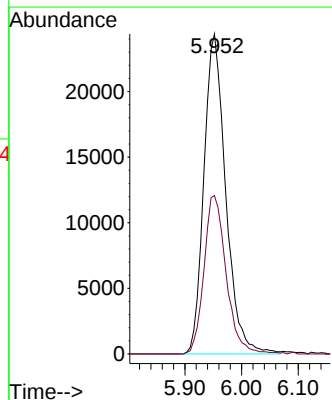
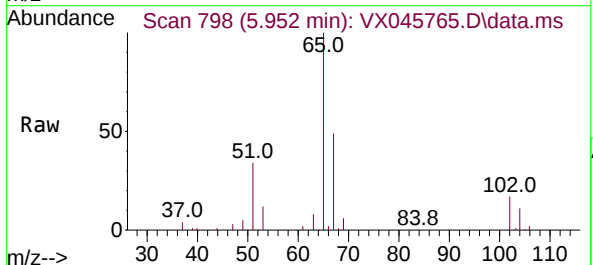


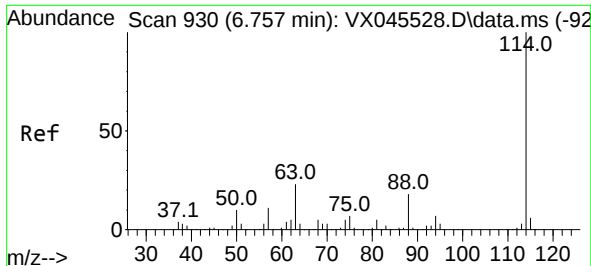
Tgt Ion: 56 Resp: 2014
Ion Ratio Lower Upper
56 100
69 161.6 23.6 35.4#
84 83.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.817 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 65 Resp: 65259
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.0

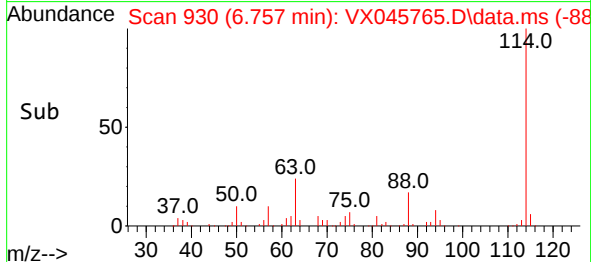
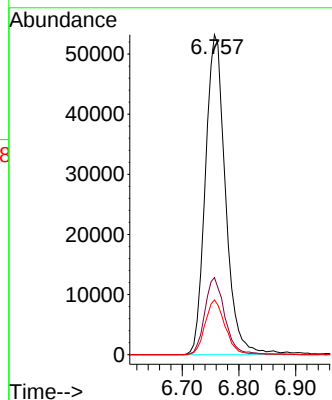
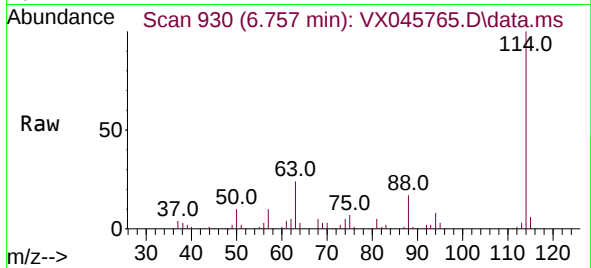




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

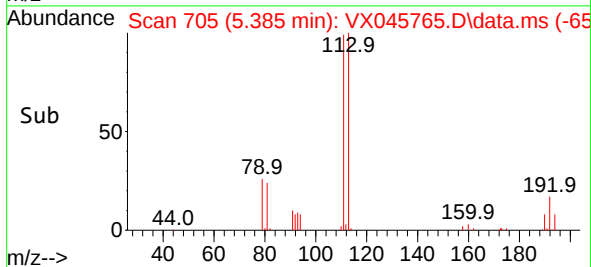
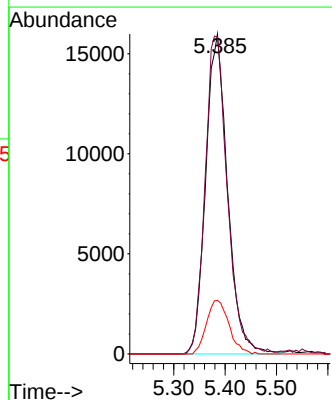
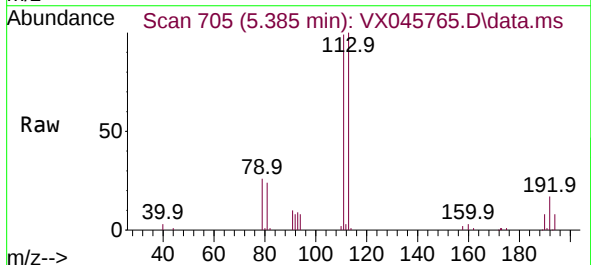
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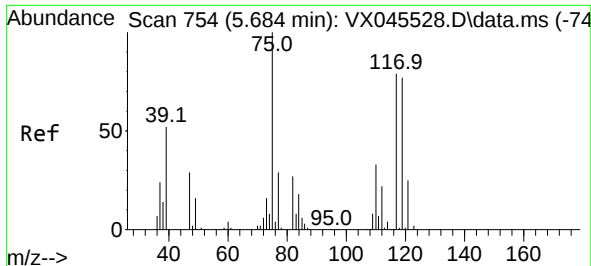
Tgt Ion:114 Resp: 131136
Ion Ratio Lower Upper
114 100
63 24.1 0.0 46.8
88 17.1 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.874 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion:113 Resp: 47334
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.6
192 17.2 13.8 20.6

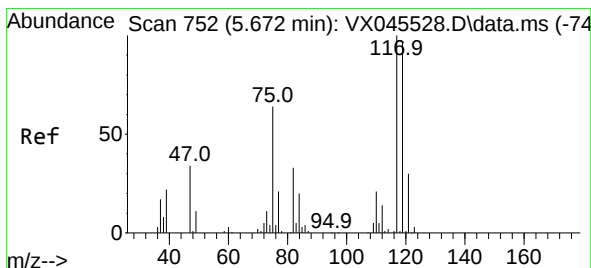
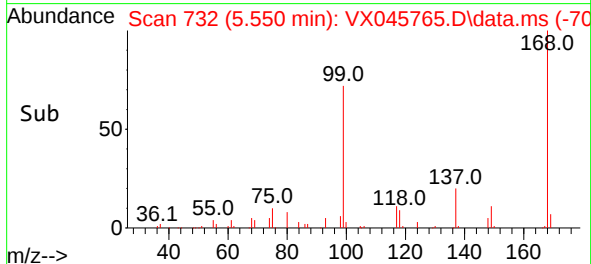
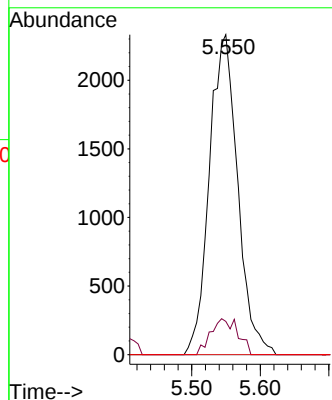
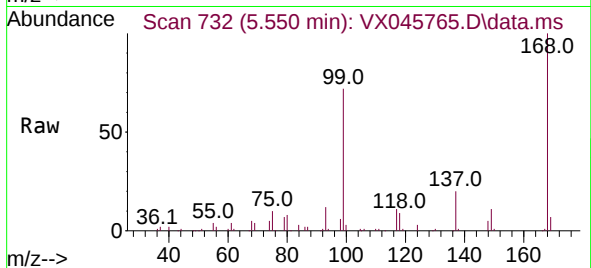




#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

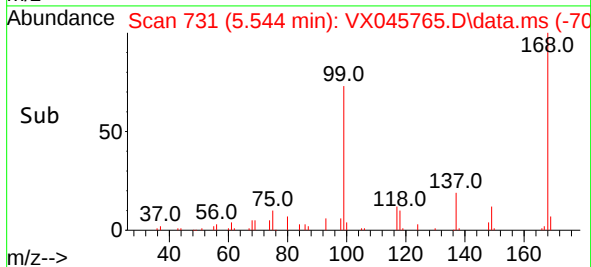
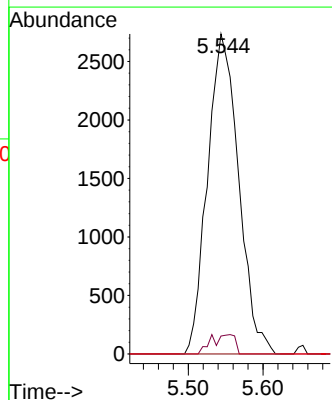
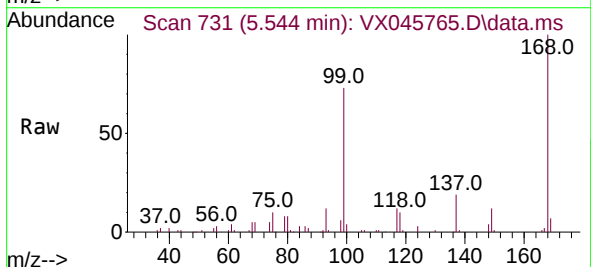
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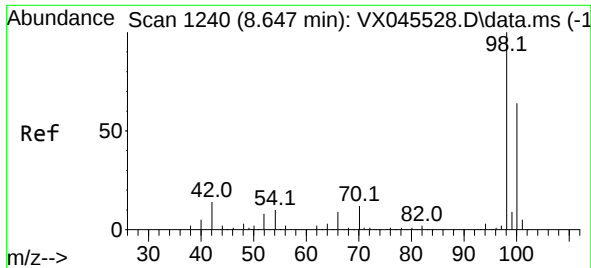
Tgt Ion: 75 Resp: 6686
Ion Ratio Lower Upper
75 100
110 10.8 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.829 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 117 Resp: 7914
Ion Ratio Lower Upper
117 100
119 5.6 76.9 115.3#
121 0.0 24.2 36.2#

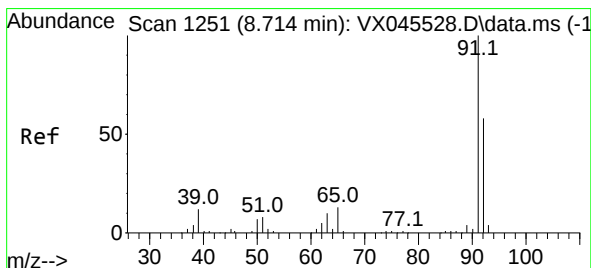
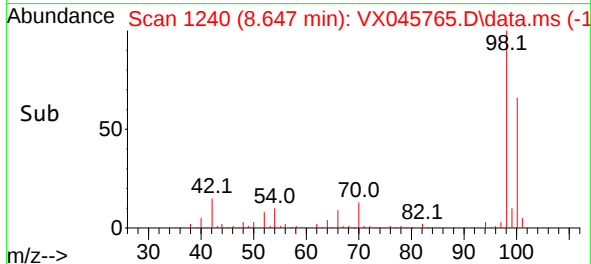
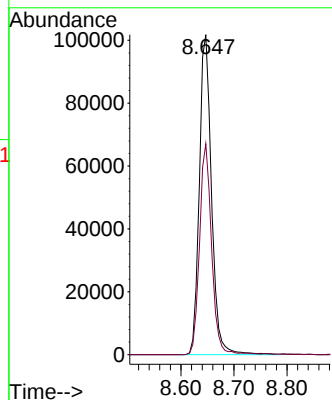
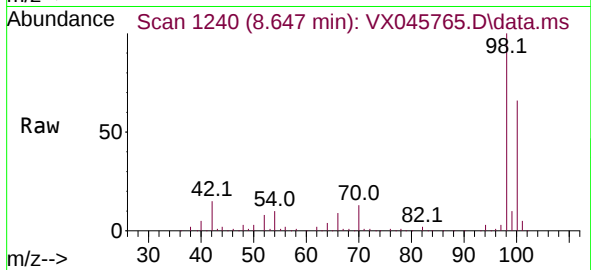




#50
Toluene-d8
Concen: 50.137 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

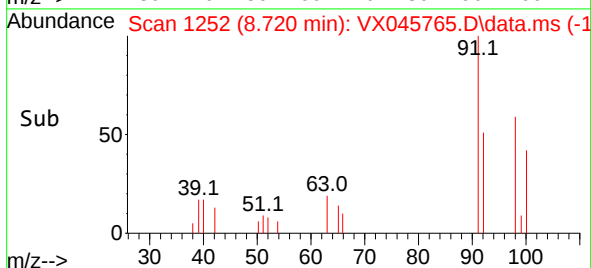
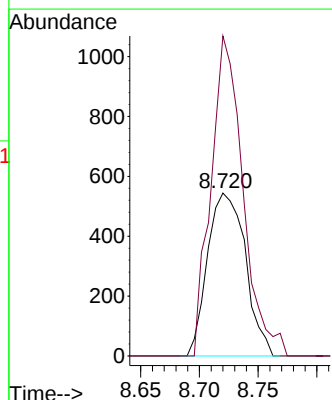
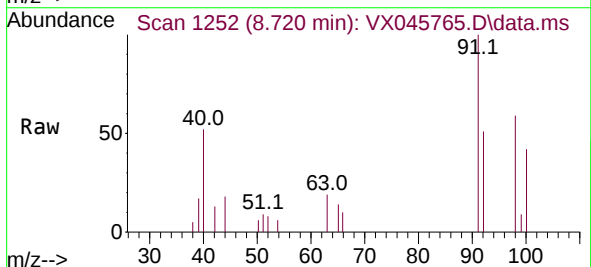
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

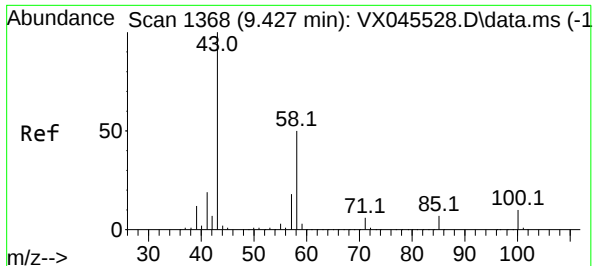
Tgt Ion: 98 Resp: 162819
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#52
Toluene
Concen: 0.526 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 92 Resp: 1221
Ion Ratio Lower Upper
92 100
91 166.3 138.7 208.1





#59

2-Hexanone

Concen: 0.508 ug/l

RT: 9.464 min Scan# 1

Delta R.T. 0.037 min

Lab File: VX045765.D

Acq: 14 Apr 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

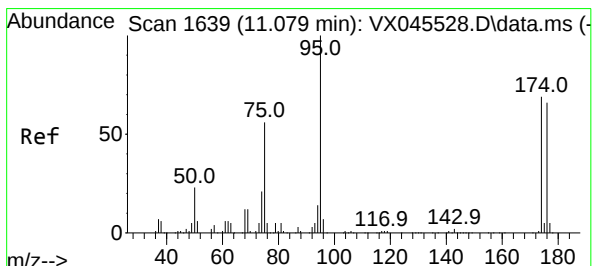
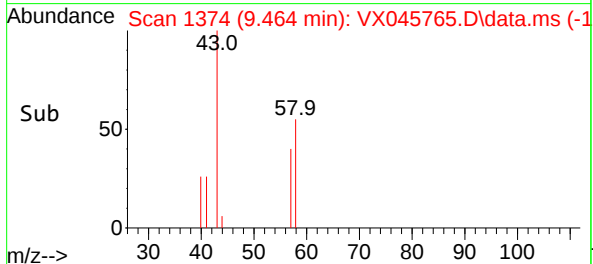
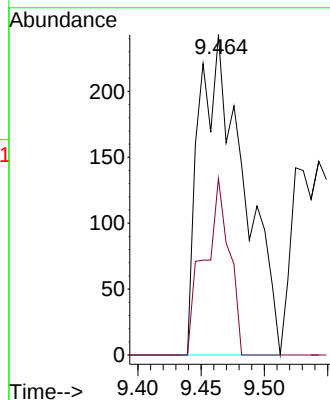
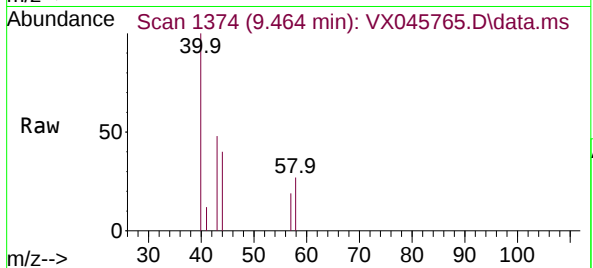
NWB-2152

Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

58 30.8 24.9 74.6



#62

4-Bromofluorobenzene

Concen: 52.898 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045765.D

Acq: 14 Apr 2025 14:02

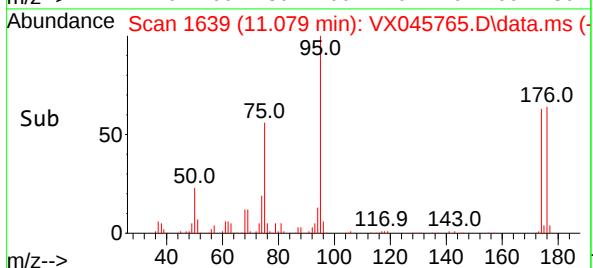
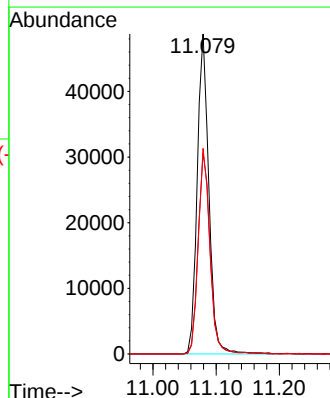
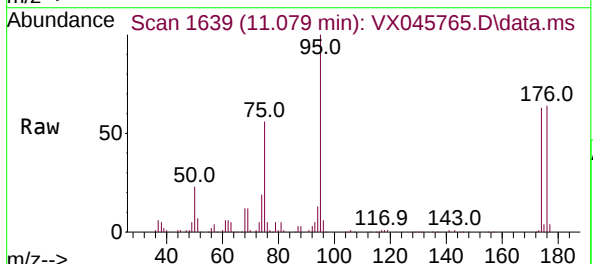
Tgt Ion: 95 Resp: 62573

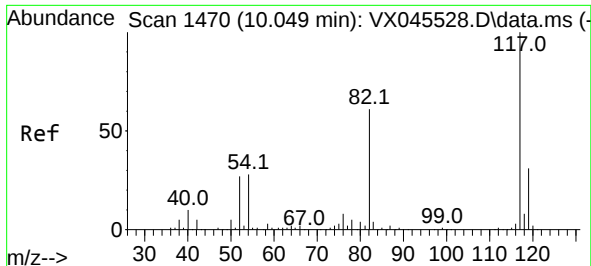
Ion Ratio Lower Upper

95 100

174 65.0 0.0 135.8

176 64.1 0.0 131.4

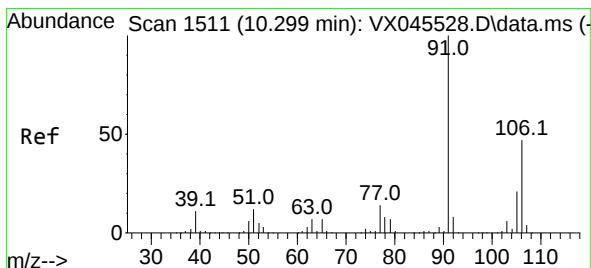
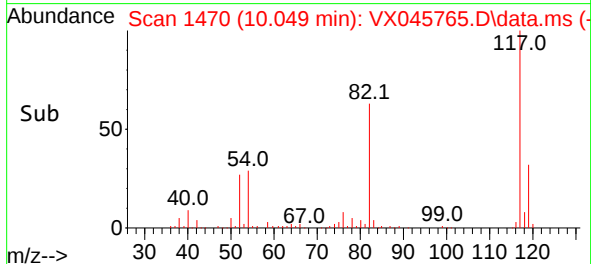
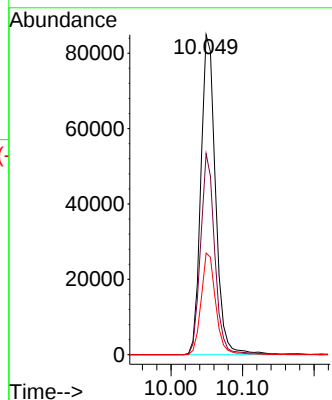
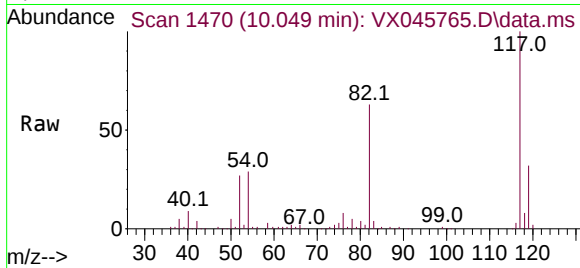




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

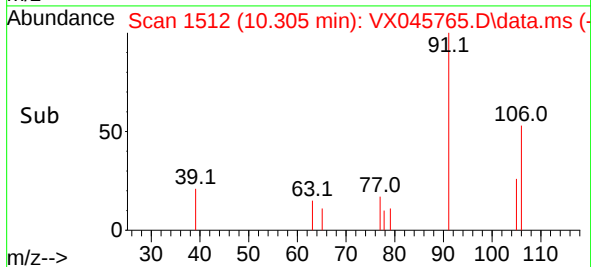
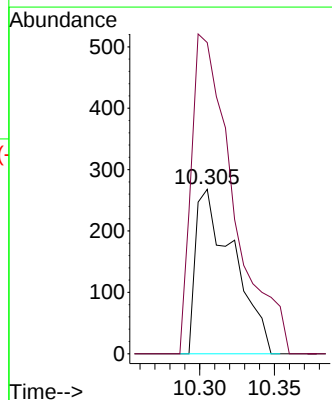
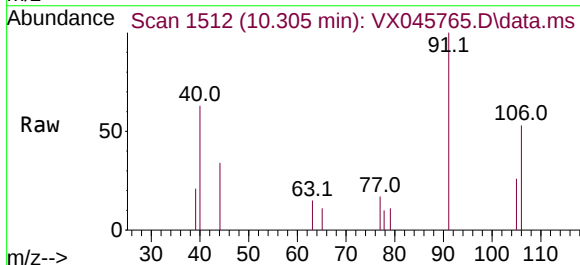
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

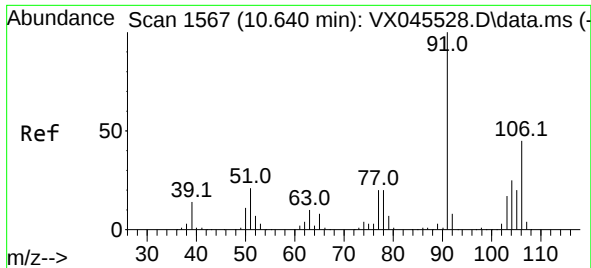
Tgt Ion:117 Resp: 120976
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 0.280 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion:106 Resp: 472
Ion Ratio Lower Upper
106 100
91 216.5 172.6 258.8

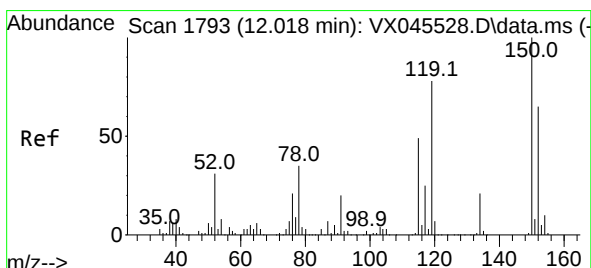
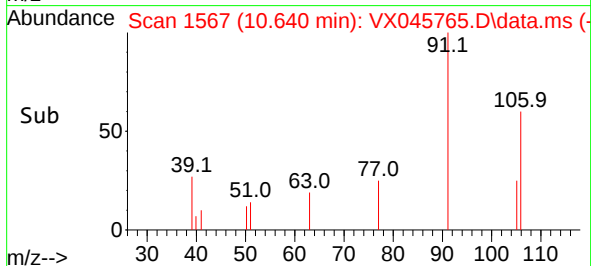
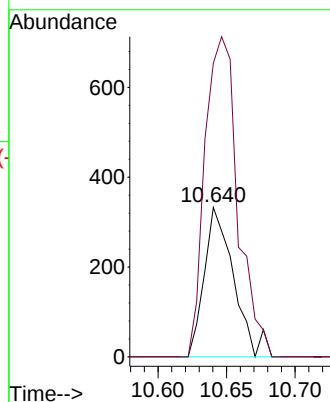
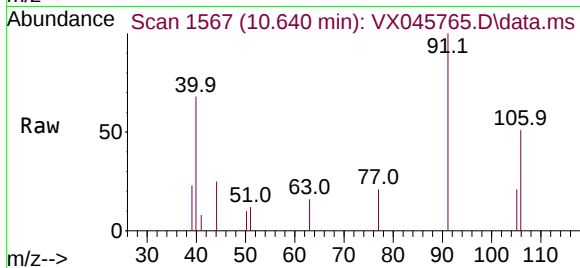




#69
o-Xylene
Concen: 0.300 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

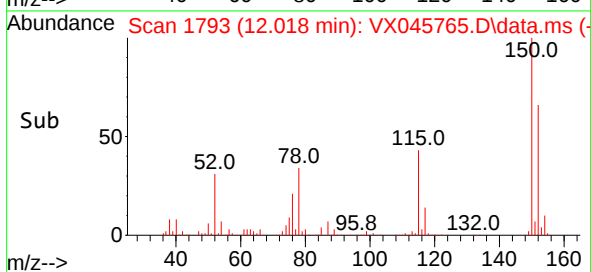
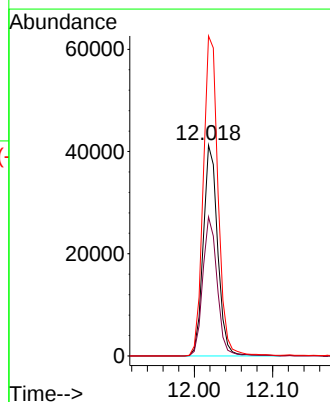
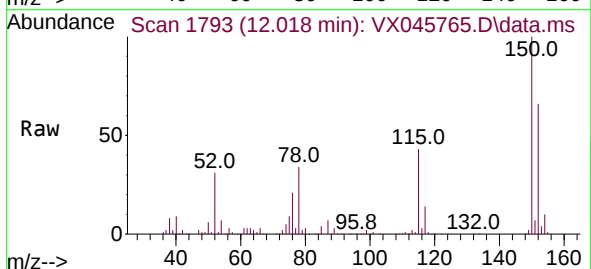
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

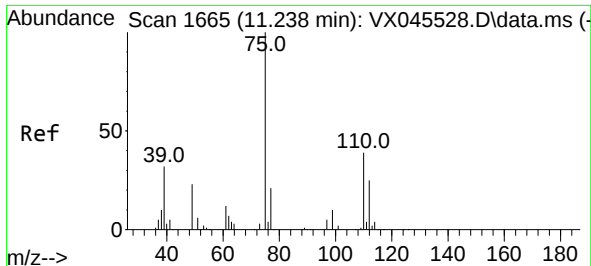
Tgt Ion:106 Resp: 497
Ion Ratio Lower Upper
106 100
91 239.2 113.6 340.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion:152 Resp: 52567
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 156.0 0.0 349.4

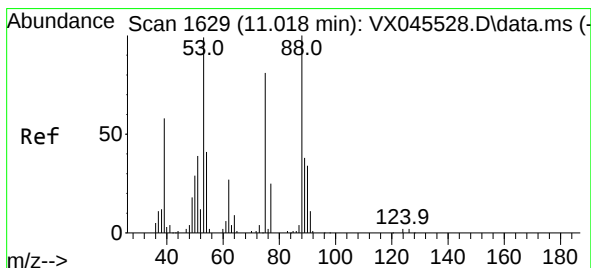
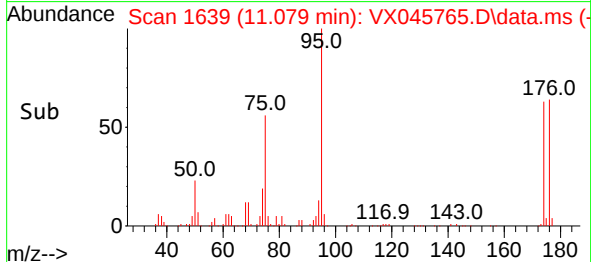
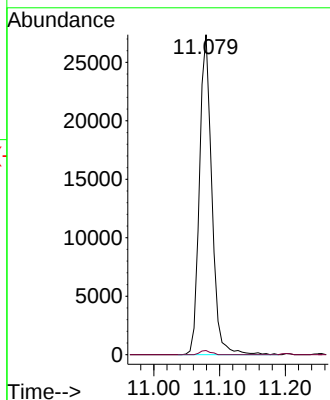
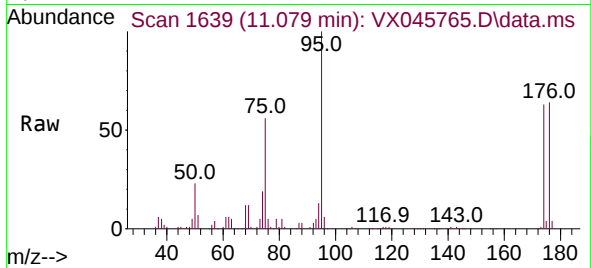




#76
1,2,3-Trichloropropane
Concen: 27.936 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

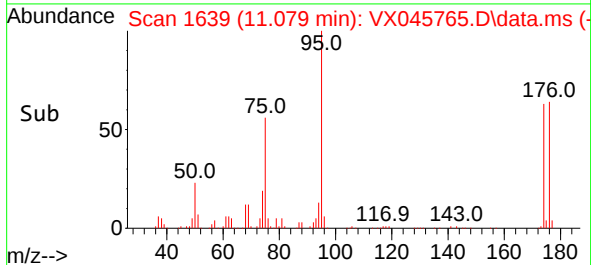
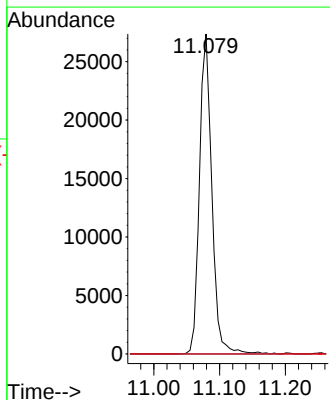
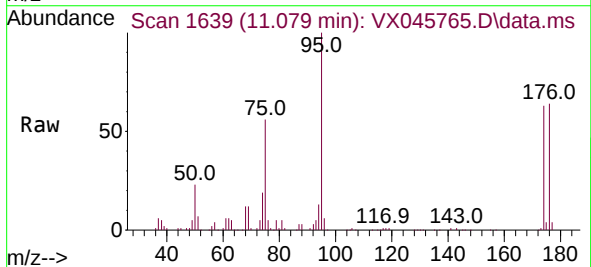
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

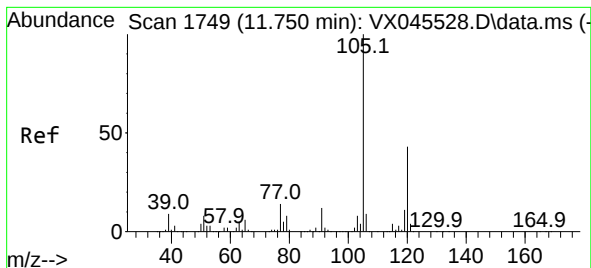
Tgt Ion: 75 Resp: 35820
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.810 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 75 Resp: 35820
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.312 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045765.D

Acq: 14 Apr 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

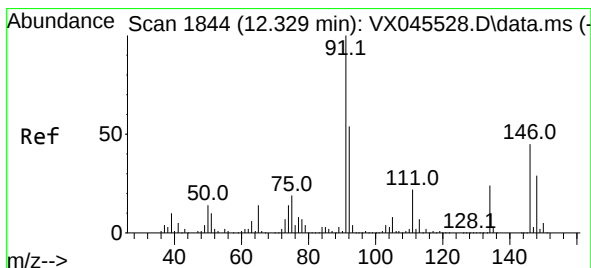
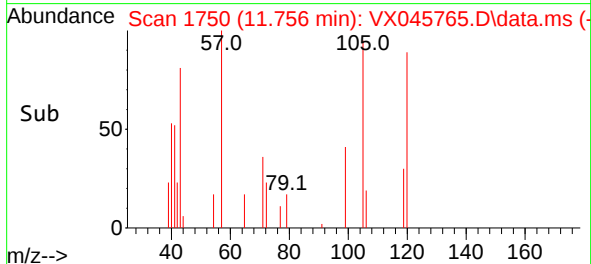
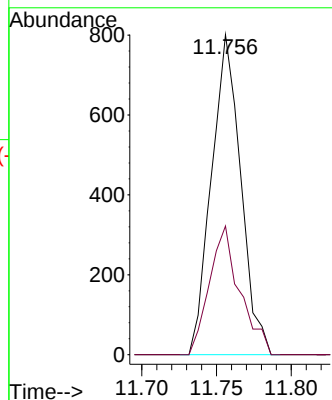
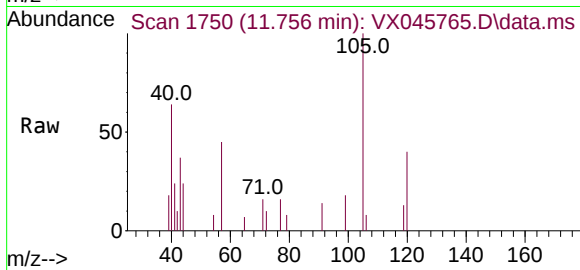
NWB-2152

Tgt Ion:105 Resp: 1091

Ion Ratio Lower Upper

105 100

120 41.8 21.4 64.3



#89

n-Butylbenzene

Concen: 0.224 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX045765.D

Acq: 14 Apr 2025 14:02

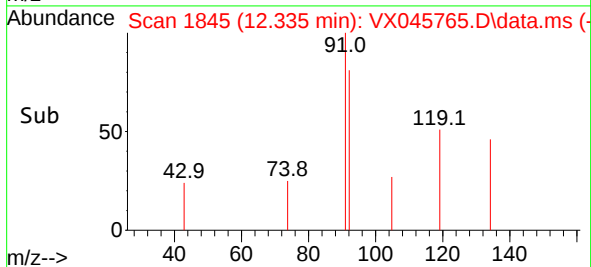
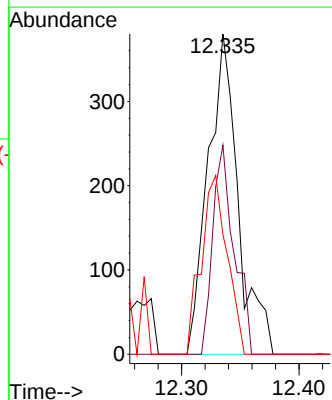
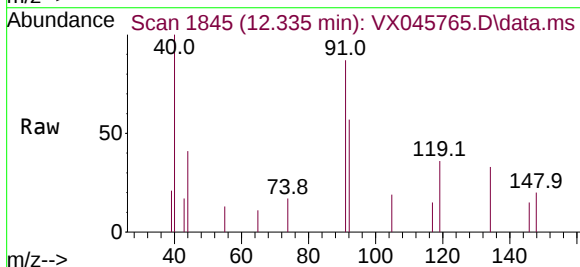
Tgt Ion: 91 Resp: 677

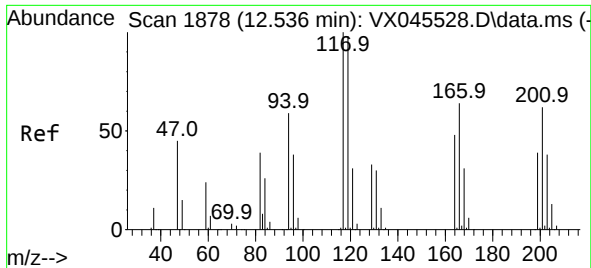
Ion Ratio Lower Upper

91 100

92 46.2 26.9 80.6

134 48.2 11.9 35.7#

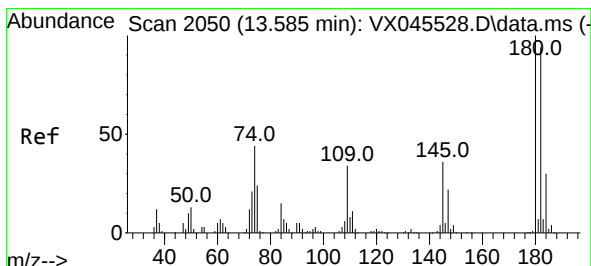
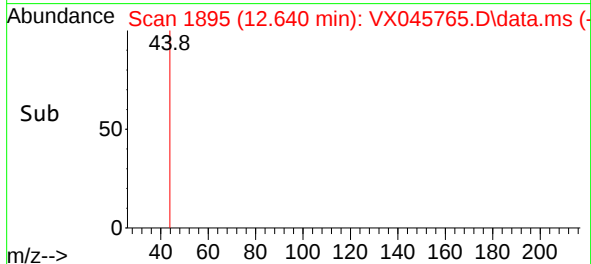
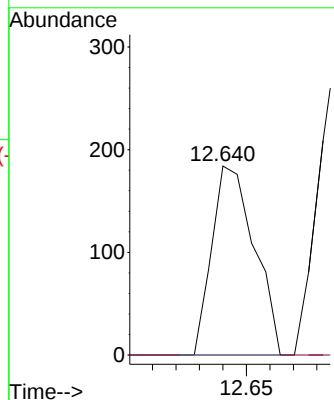
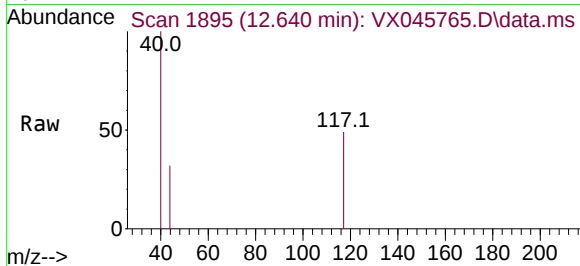




#90
Hexachloroethane
Concen: 0.387 ug/l
RT: 12.640 min Scan# 117
Delta R.T. 0.104 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

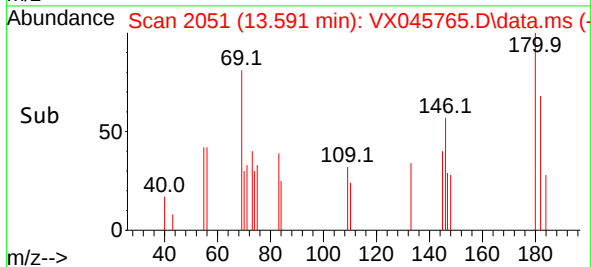
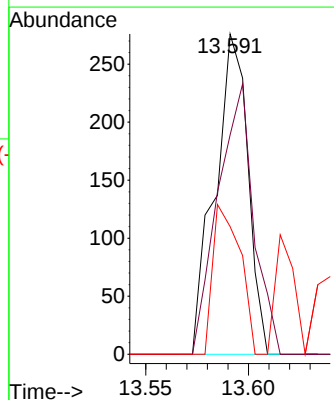
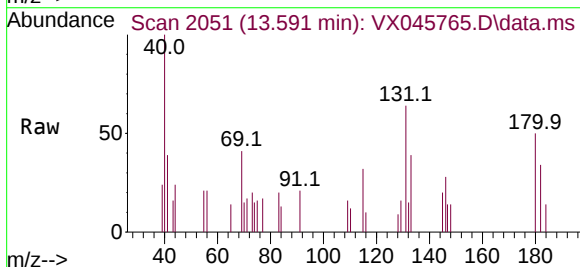
Instrument :
MSVOA_X
ClientSampleId :
NWB-2152

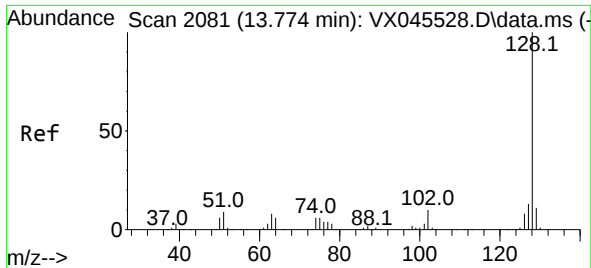
Tgt Ion:117 Resp: 232
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.314 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

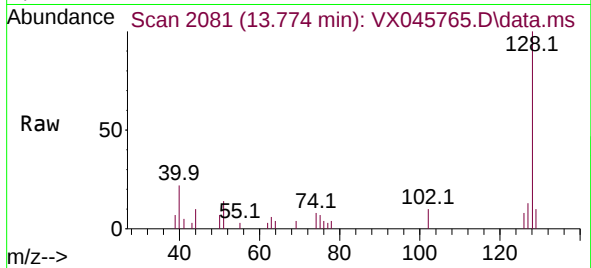
Tgt Ion:180 Resp: 308
Ion Ratio Lower Upper
180 100
182 91.6 47.9 143.6
145 38.6 17.9 53.8



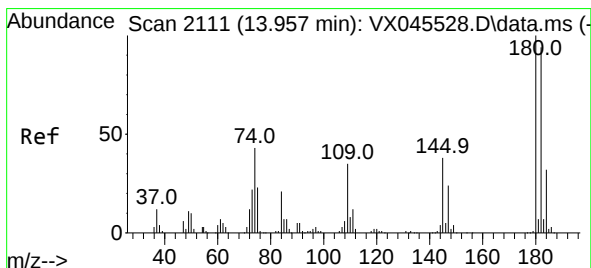
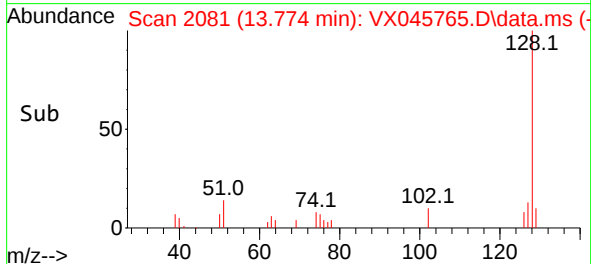
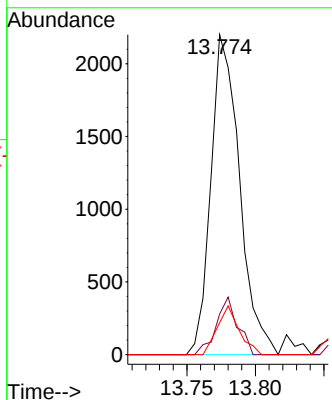


#95
Naphthalene
Concen: 0.877 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Instrument :
MSVOA_X
ClientSampleId :
NWB-2152



Tgt Ion:128	Resp:	3200	
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.6	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045765.D
Acq: 14 Apr 2025 14:02

Tgt Ion:180	Resp:	443	
Ion	Ratio	Lower	Upper
180	100		
182	77.7	47.3	141.8
145	59.1	18.2	54.6#

