

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045831.D
 Acq On : 17 Apr 2025 16:19
 Operator : JC/MD
 Sample : Q1824-04 1000X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 03:40:49 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

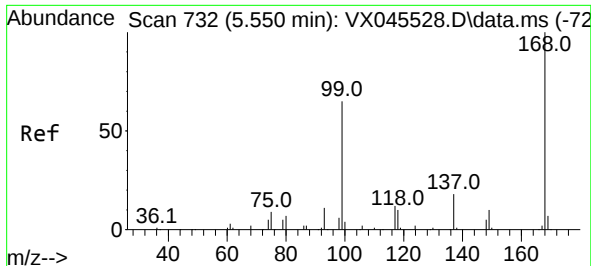
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	72411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143579	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68683	51.867	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.740%			
35) Dibromofluoromethane	5.379	113	49553	48.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.280%			
50) Toluene-d8	8.647	98	181138	50.944	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.880%			
62) 4-Bromofluorobenzene	11.079	95	70042	54.080	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds					Qvalue	
16) Acetone	2.373	43	544	1.000	ug/l	98
31) Cyclohexane	5.543	56	2249	1.385	ug/l #	13
36) 1,1-Dichloropropene	5.543	75	7438	5.408	ug/l #	50
38) Carbon Tetrachloride	5.543	117	8758	5.892	ug/l #	15
40) Benzene	6.037	78	5404	1.286	ug/l	99
51) 4-Methyl-2-Pentanone	8.640	43	1040	0.597	ug/l #	1
52) Toluene	8.714	92	69778	27.451	ug/l	99
53) t-1,3-Dichloropropene	8.714	75	866	2.824	ug/l #	1
67) Ethyl Benzene	10.195	91	27194	5.307	ug/l	99
68) m/p-Xylenes	10.299	106	45379	24.348	ug/l	98
69) o-Xylene	10.640	106	24991	13.612	ug/l	100
70) Styrene	10.640	104	1121	0.370	ug/l #	1
73) Isopropylbenzene	10.963	105	3678	0.777	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	41018	28.443	ug/l #	37
78) n-propylbenzene	11.305	91	17127	3.140	ug/l	99
79) 2-Chlorotoluene	11.378	91	11644	3.339	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.451	105	30313	7.741	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	41018	96.531	ug/l #	1
82) 4-Chlorotoluene	11.445	91	4197	1.079	ug/l #	48
83) tert-Butylbenzene	11.969	119	3706	0.956	ug/l	69
84) 1,2,4-Trimethylbenzene	11.750	105	125379	31.899	ug/l	99
85) sec-Butylbenzene	11.750	105	125379	26.330	ug/l #	58
86) p-Isopropyltoluene	11.969	119	3706	0.944	ug/l	90
89) n-Butylbenzene	12.329	91	7166	2.105	ug/l #	31
90) Hexachloroethane	12.530	117	1285	1.905	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	12.920	75	142	0.408	ug/l #	9
95) Naphthalene	13.774	128	14230	3.469	ug/l #	94

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

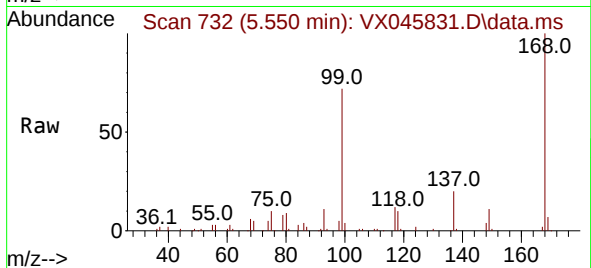
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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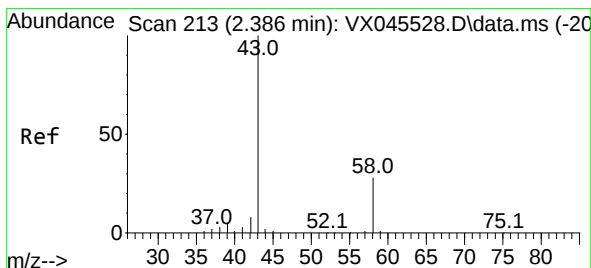
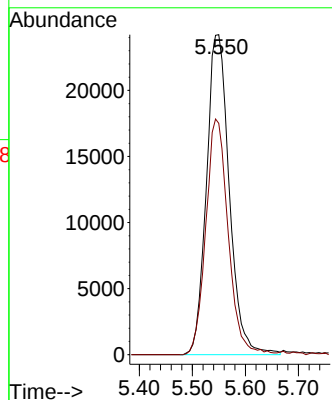
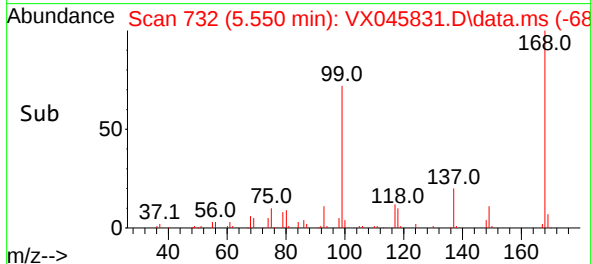


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

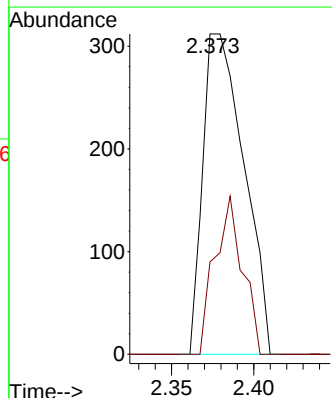
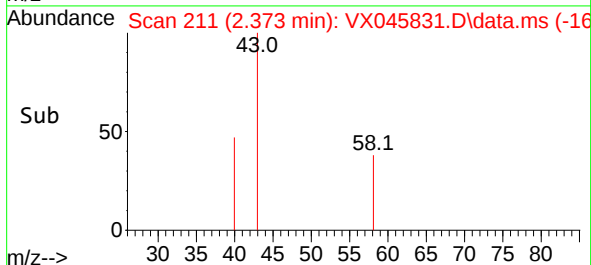
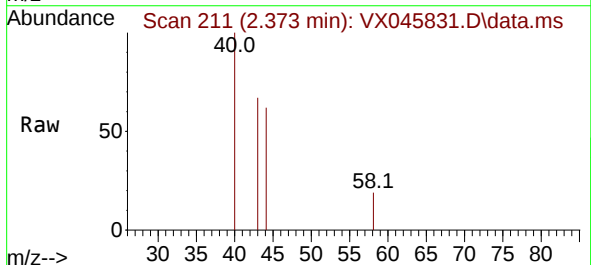


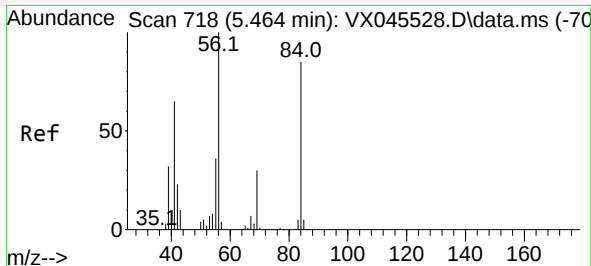
Tgt Ion:168 Resp: 72411
Ion Ratio Lower Upper
168 100
99 72.3 52.3 78.5



#16
Acetone
Concen: 1.000 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

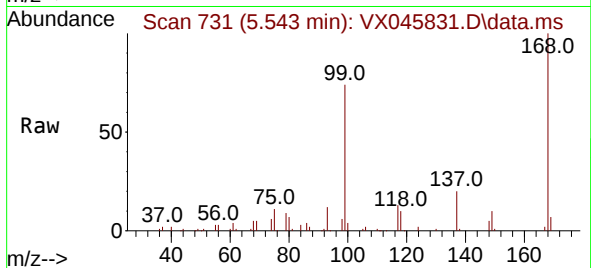
Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 28.8 22.3 33.5



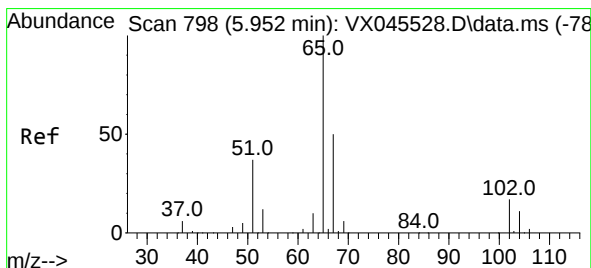
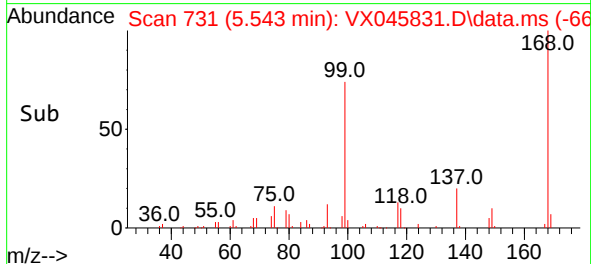
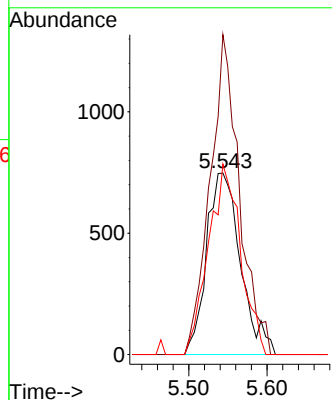


#31
Cyclohexane
Concen: 1.385 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

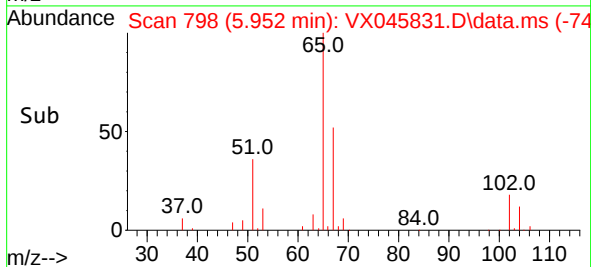
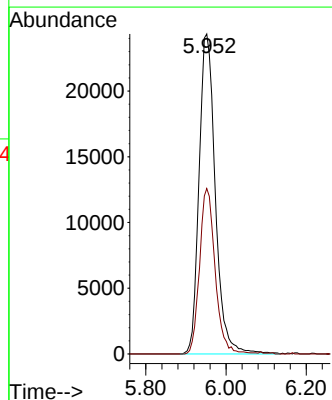
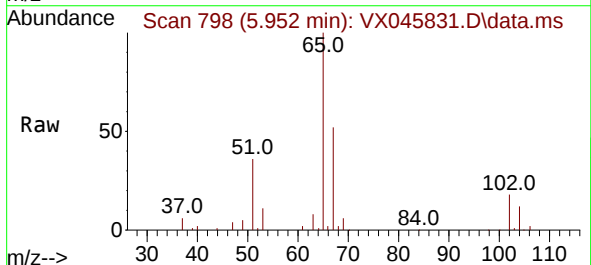


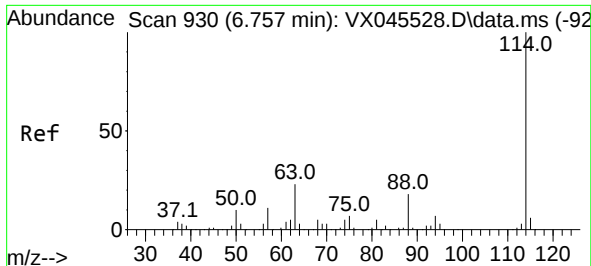
Tgt Ion: 56 Resp: 2249
Ion Ratio Lower Upper
56 100
69 176.2 23.6 35.4#
84 104.9 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 51.867 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 65 Resp: 68683
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

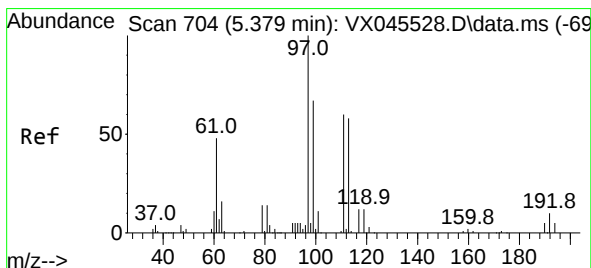
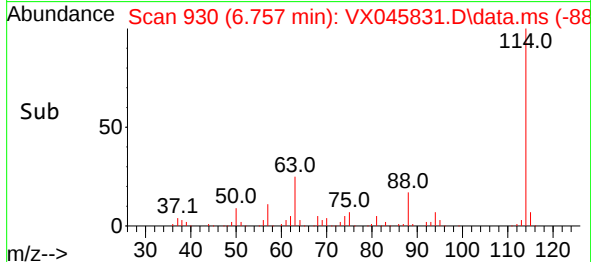
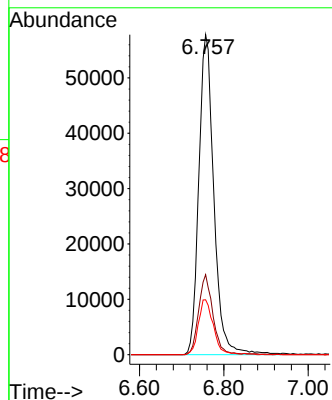
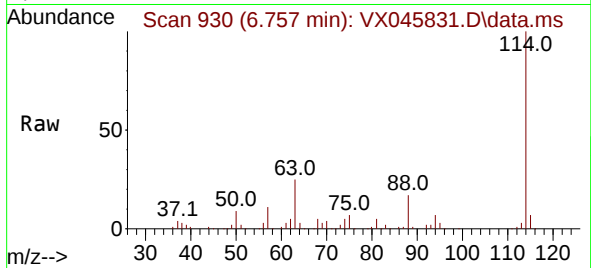




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

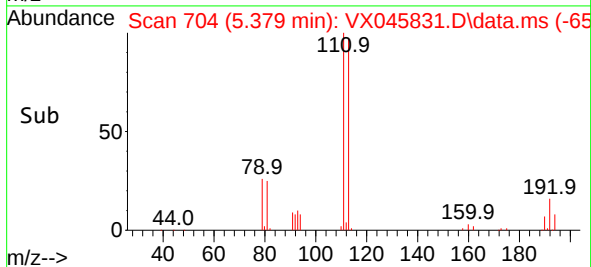
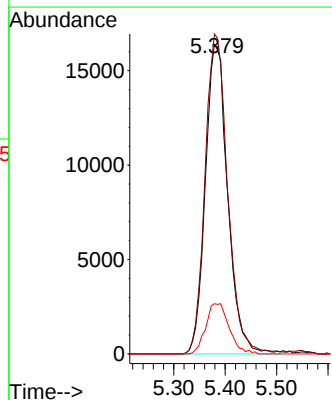
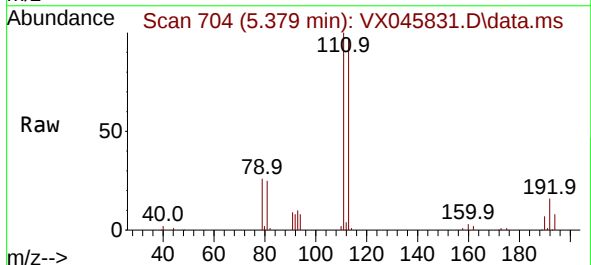
Instrument :
MSVOA_X
ClientSampleId :

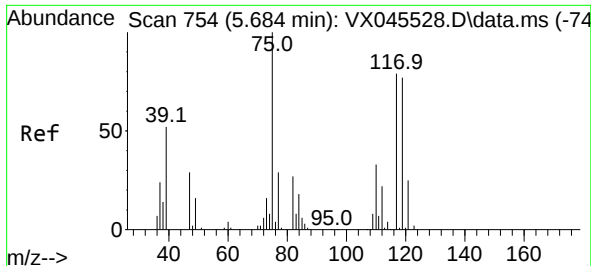
Tgt Ion:114 Resp: 143579
Ion Ratio Lower Upper
114 100
63 25.0 0.0 46.8
88 17.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 48.644 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion:113 Resp: 49553
Ion Ratio Lower Upper
113 100
111 104.3 81.8 122.6
192 17.0 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.408 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.140 min

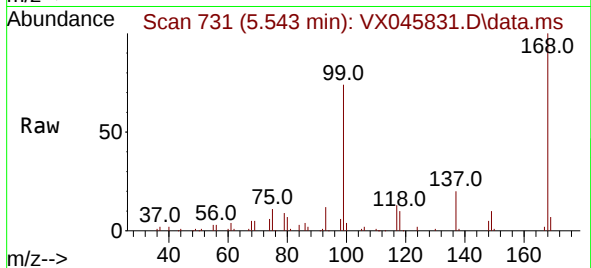
Lab File: VX045831.D

Acq: 17 Apr 2025 16:19

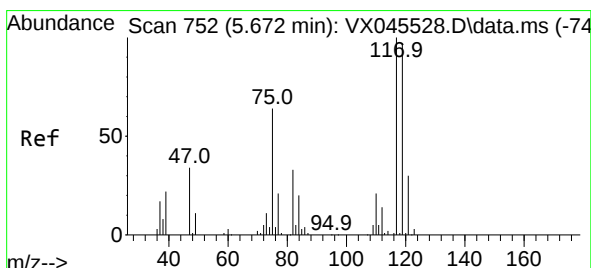
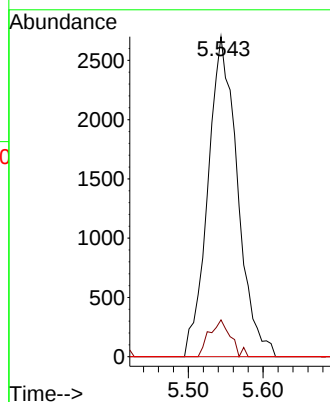
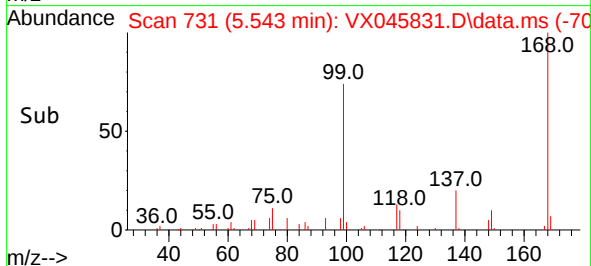
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	75	Resp:	7438
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.9	50.6#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.892 ug/l

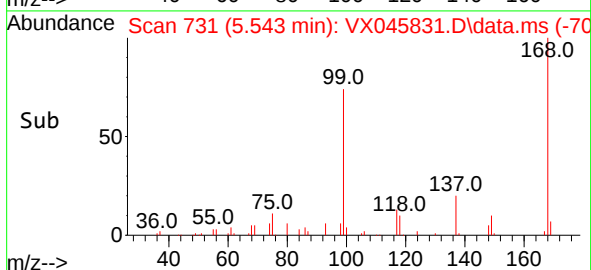
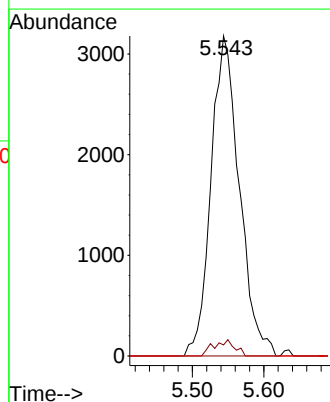
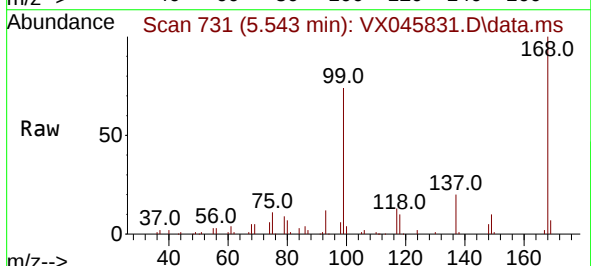
RT: 5.543 min Scan# 731

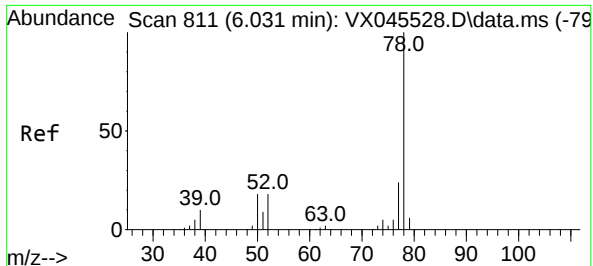
Delta R.T. -0.128 min

Lab File: VX045831.D

Acq: 17 Apr 2025 16:19

Tgt Ion:	117	Resp:	8758
Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.9	115.3#
121	0.0	24.2	36.2#

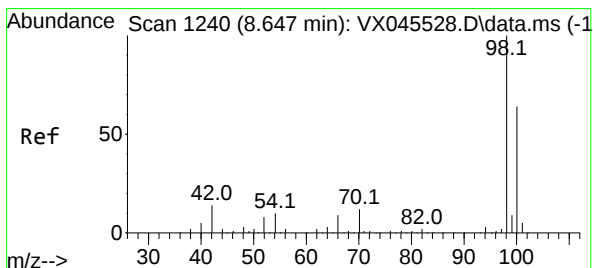
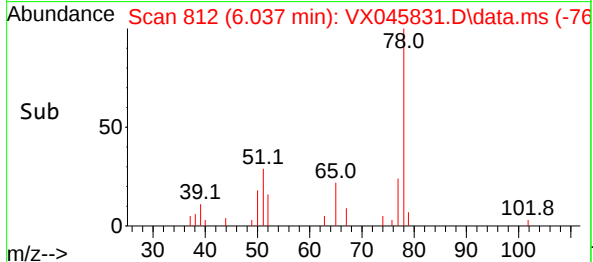
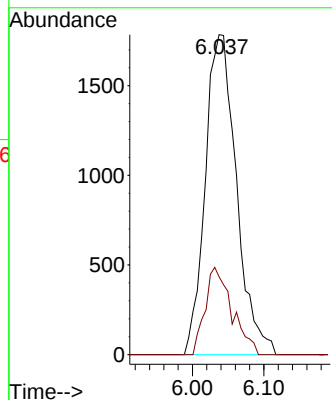
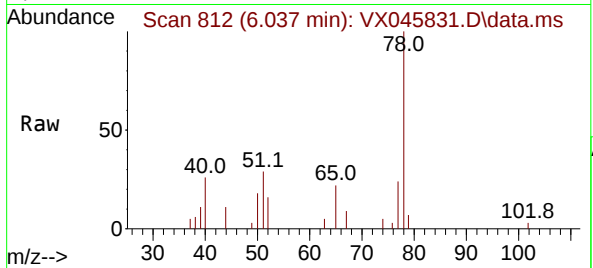




#40
Benzene
Concen: 1.286 ug/l
RT: 6.037 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

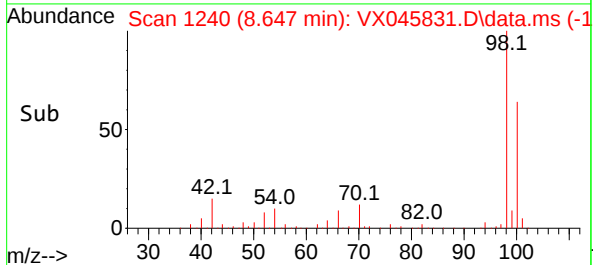
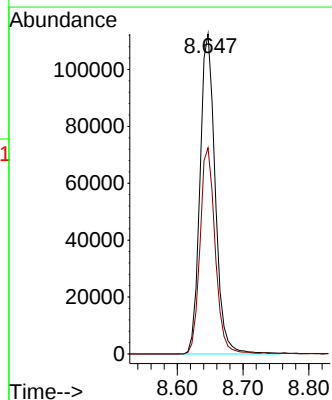
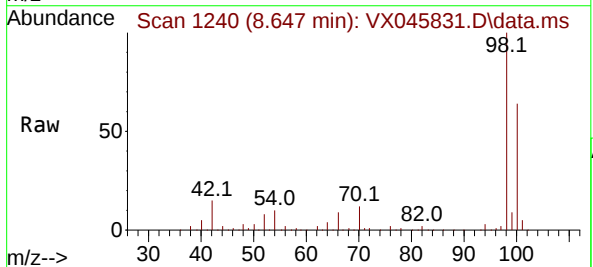
Instrument :
MSVOA_X
ClientSampleId :

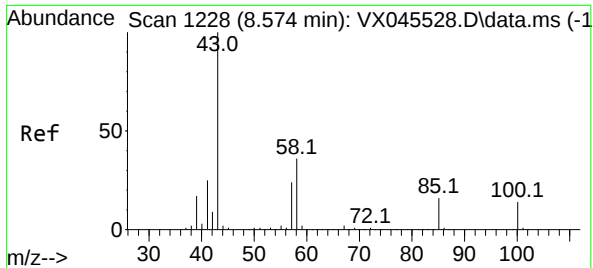
Tgt Ion: 78 Resp: 5404
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6



#50
Toluene-d8
Concen: 50.944 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 98 Resp: 181138
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

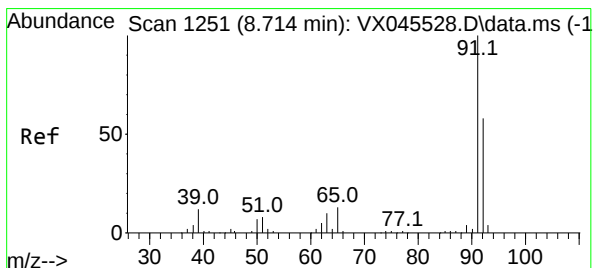
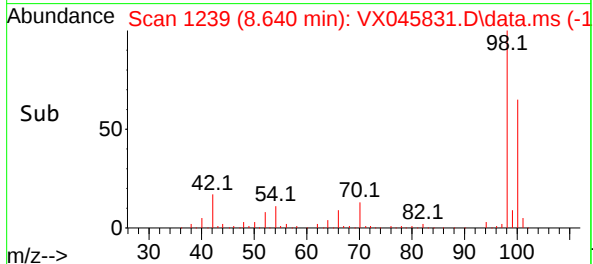
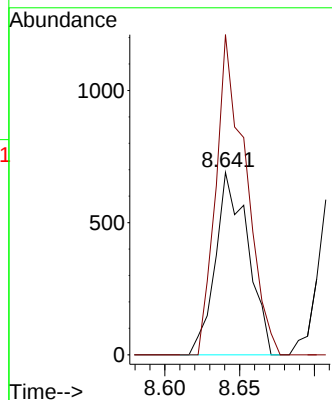
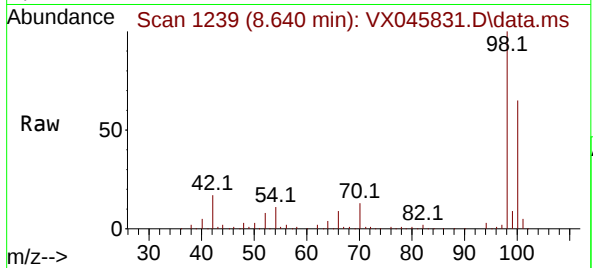




#51
4-Methyl-2-Pentanone
Concen: 0.597 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

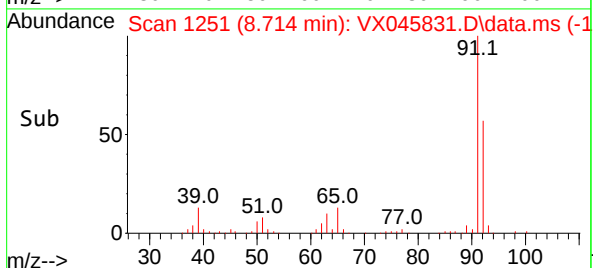
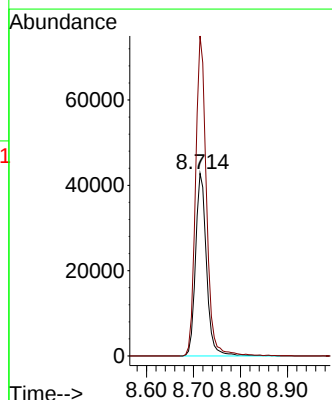
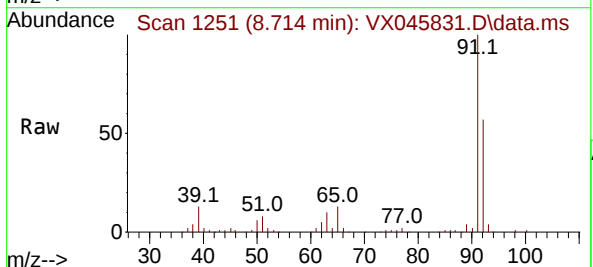
Instrument :
MSVOA_X
ClientSampleId :

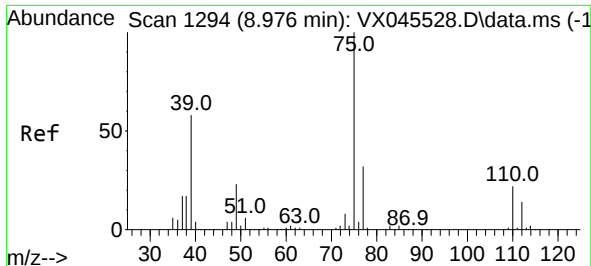
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
58 160.5 28.5 42.7#



#52
Toluene
Concen: 27.451 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 92 Resp: 69778
Ion Ratio Lower Upper
92 100
91 174.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 2.824 ug/l

RT: 8.714 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX045831.D

Acq: 17 Apr 2025 16:19

Instrument :

MSVOA_X

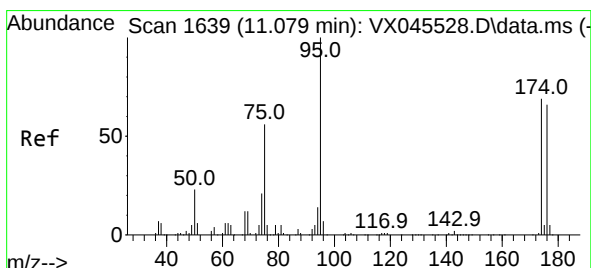
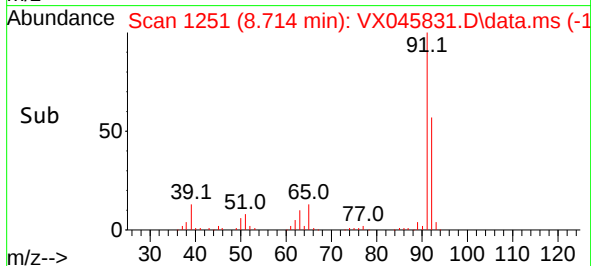
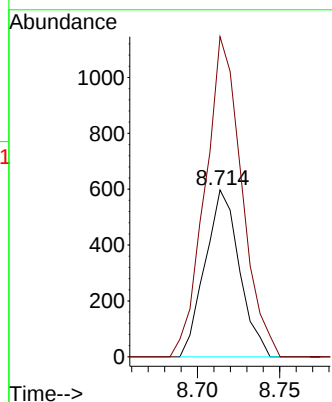
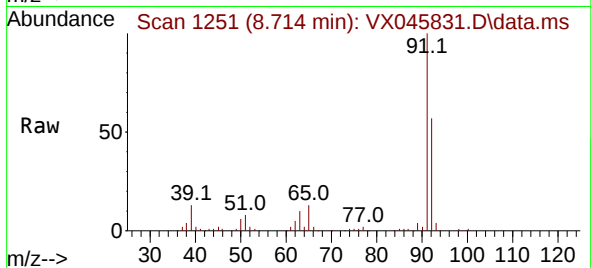
ClientSampleId :

Tgt Ion: 75 Resp: 866

Ion Ratio Lower Upper

75 100

77 192.0 25.4 38.0#



#62

4-Bromofluorobenzene

Concen: 54.080 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045831.D

Acq: 17 Apr 2025 16:19

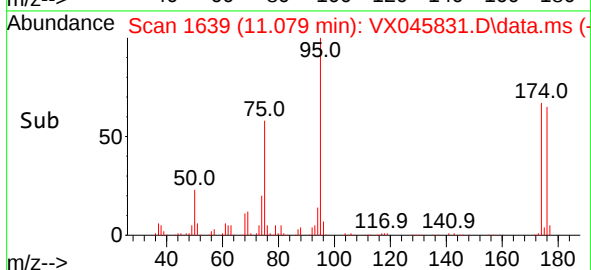
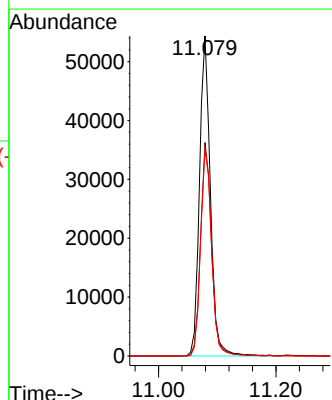
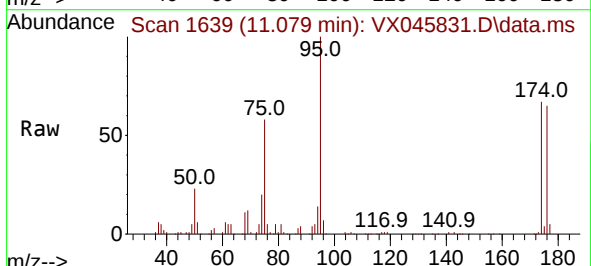
Tgt Ion: 95 Resp: 70042

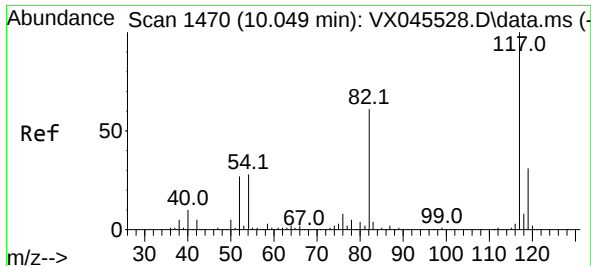
Ion Ratio Lower Upper

95 100

174 67.5 0.0 135.8

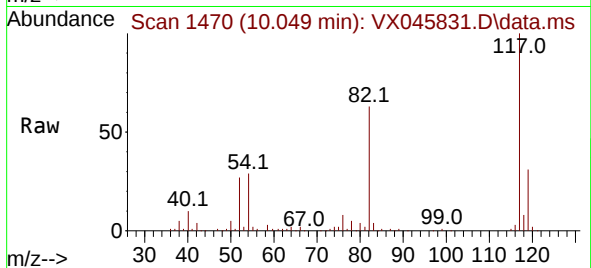
176 65.4 0.0 131.4



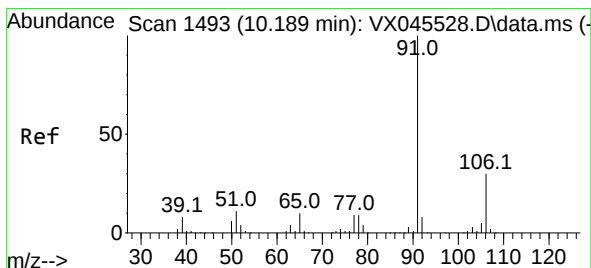
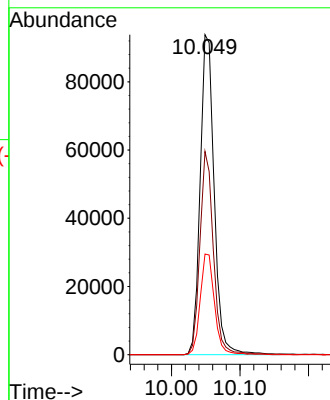
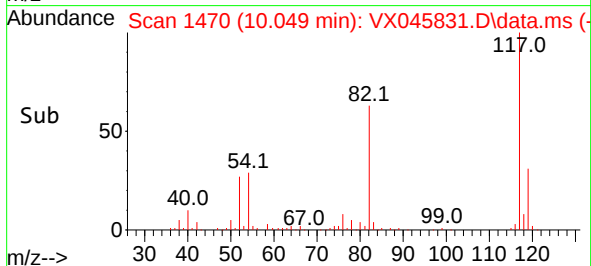


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

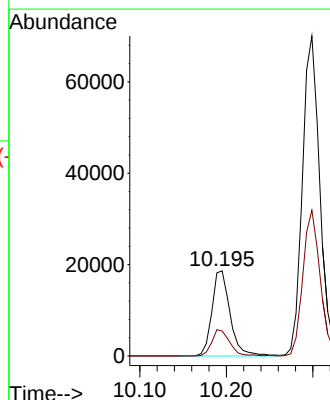
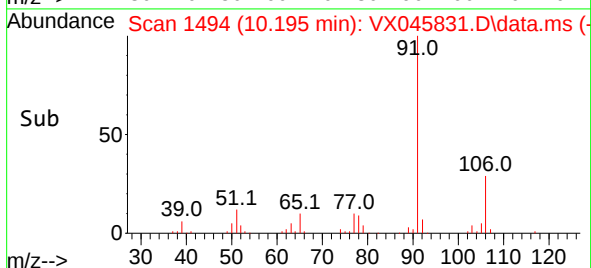
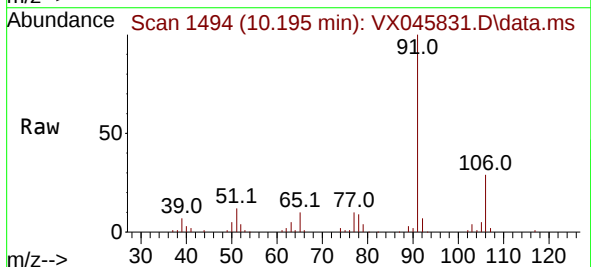


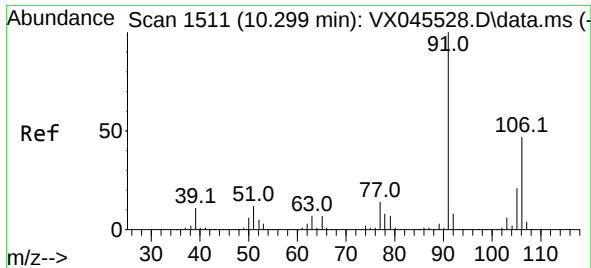
Tgt Ion:117 Resp: 133895
Ion Ratio Lower Upper
117 100
82 63.5 49.2 73.8
119 31.4 25.1 37.7



#67
Ethyl Benzene
Concen: 5.307 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 91 Resp: 27194
Ion Ratio Lower Upper
91 100
106 29.3 23.7 35.5

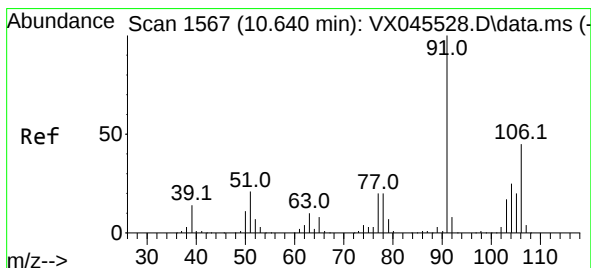
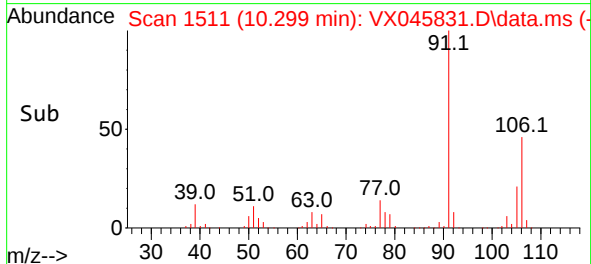
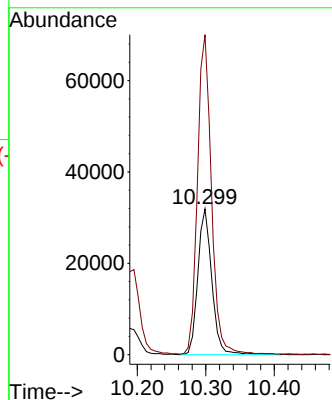
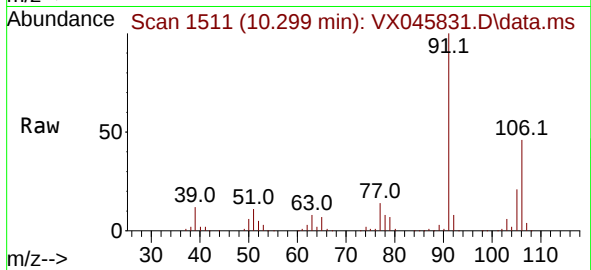




#68
m/p-Xylenes
Concen: 24.348 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

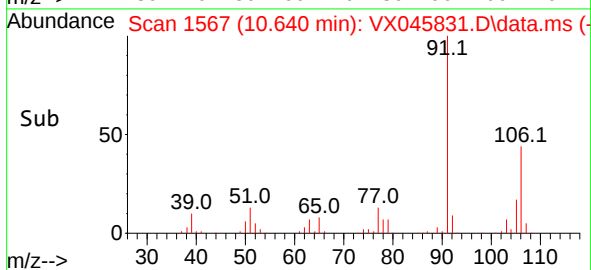
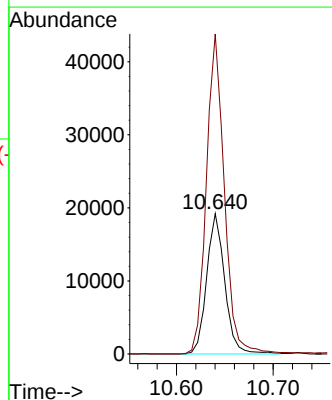
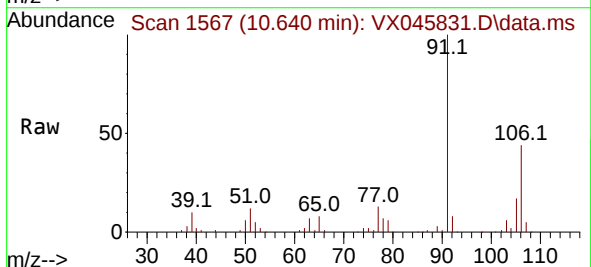
Instrument :
MSVOA_X
ClientSampleId :

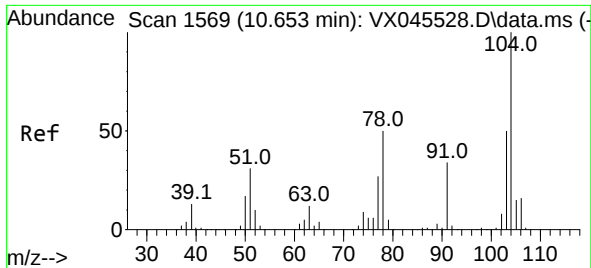
Tgt Ion:106 Resp: 45379
Ion Ratio Lower Upper
106 100
91 218.7 172.6 258.8



#69
o-Xylene
Concen: 13.612 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion:106 Resp: 24991
Ion Ratio Lower Upper
106 100
91 227.4 113.6 340.6

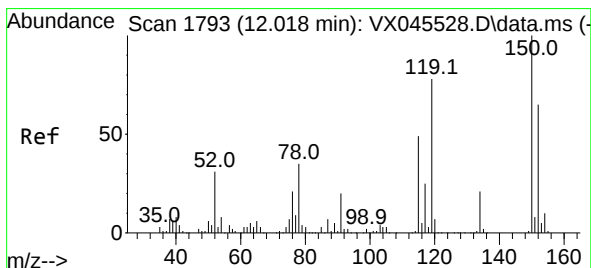
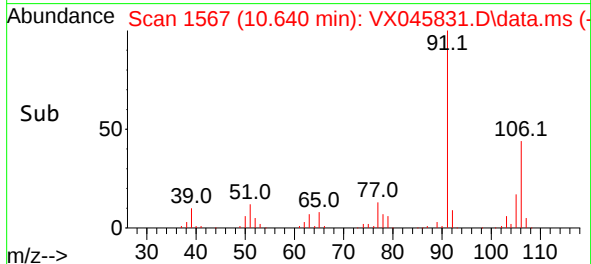
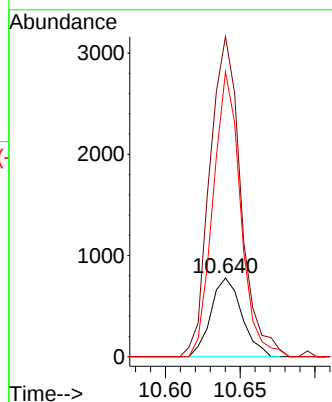
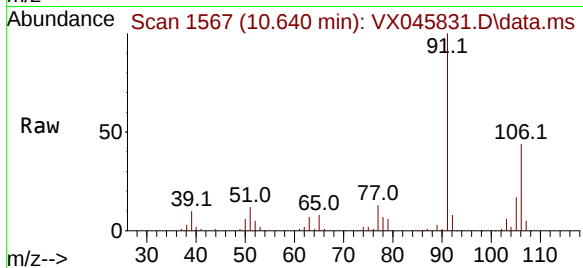




#70
Styrene
Concen: 0.370 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

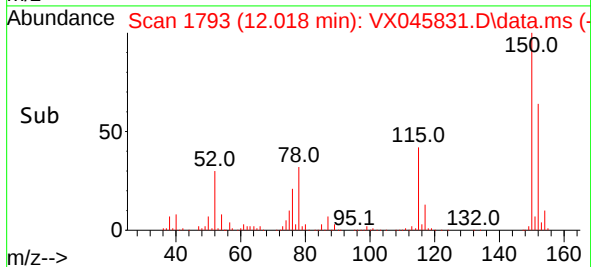
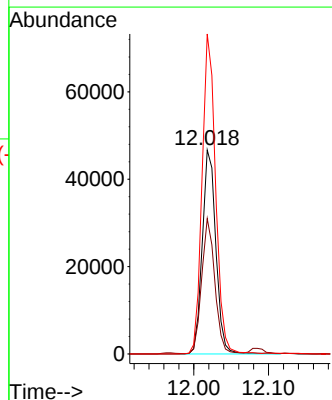
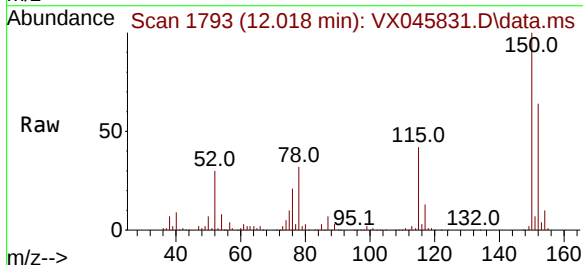
Instrument :
MSVOA_X
ClientSampleId :

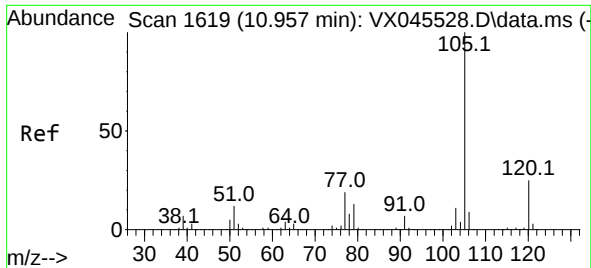
Tgt Ion:104 Resp: 1121
Ion Ratio Lower Upper
104 100
78 407.1 45.4 68.2#
103 321.9 43.8 65.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion:152 Resp: 59122
Ion Ratio Lower Upper
152 100
115 63.8 46.9 140.7
150 155.6 0.0 349.4

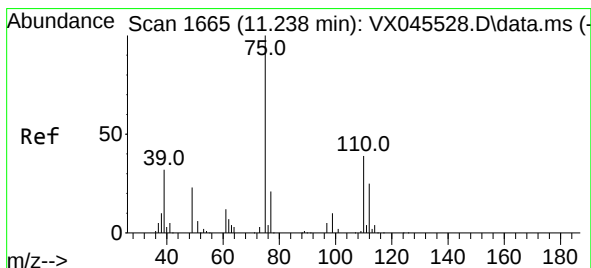
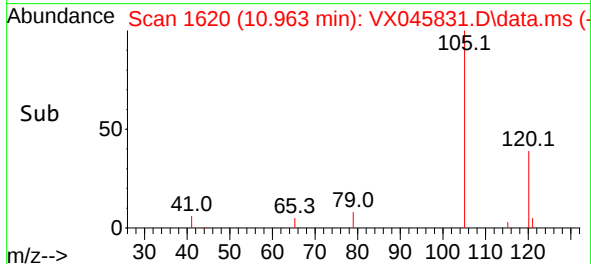
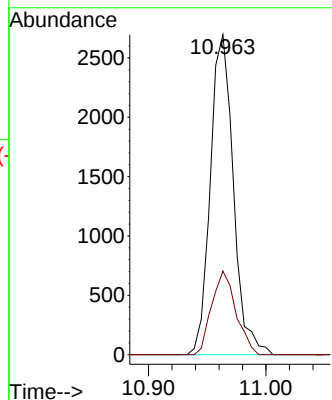
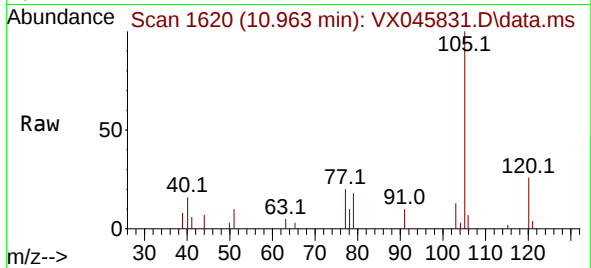




#73
Isopropylbenzene
Concen: 0.777 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

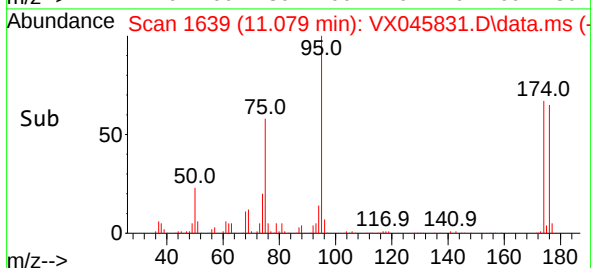
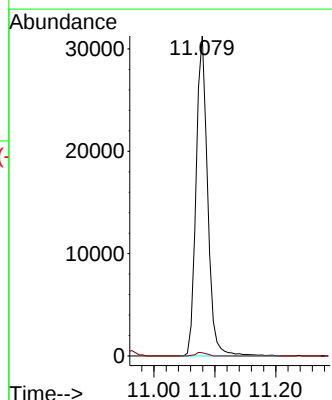
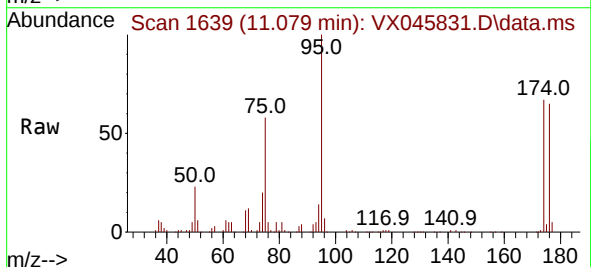
Instrument :
MSVOA_X
ClientSampleId :

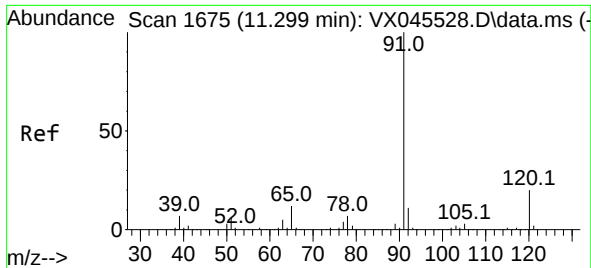
Tgt Ion:105 Resp: 3678
Ion Ratio Lower Upper
105 100
120 27.4 12.7 38.0



#76
1,2,3-Trichloropropane
Concen: 28.443 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 75 Resp: 41018
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#

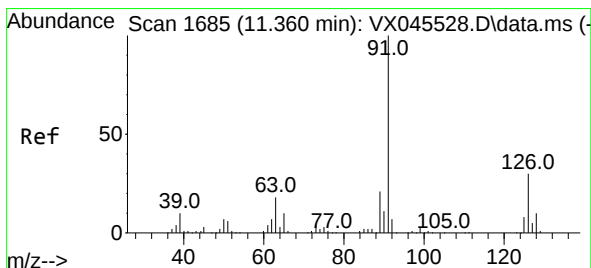
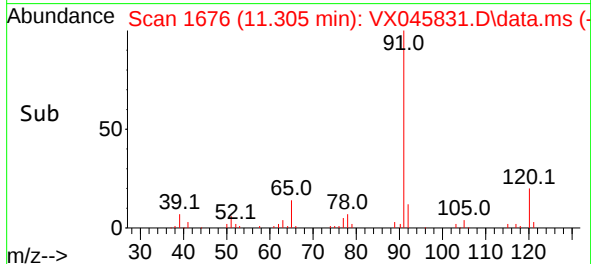
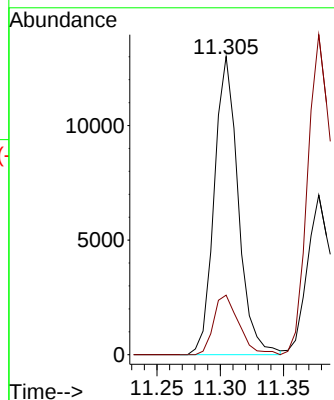
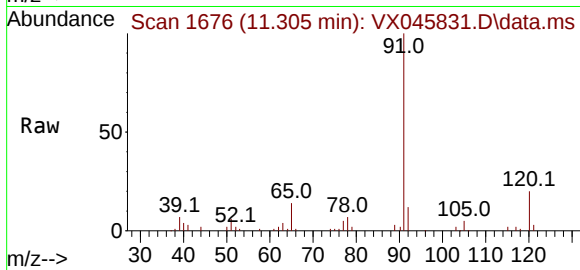




#78
n-propylbenzene
Concen: 3.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

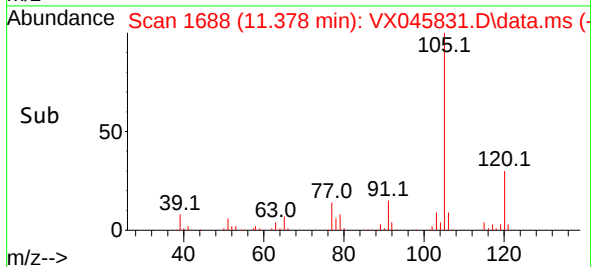
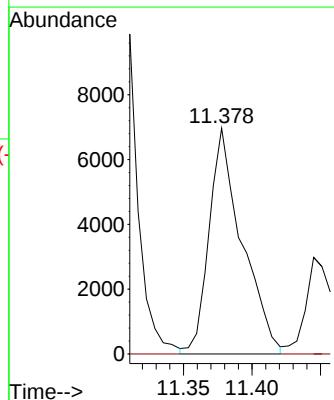
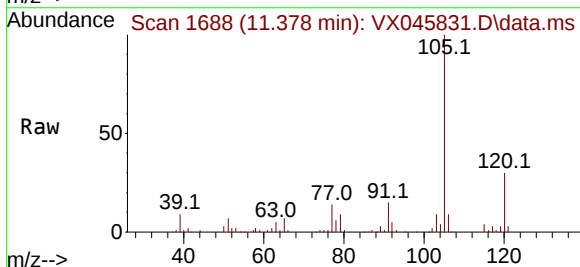
Instrument :
MSVOA_X
ClientSampleId :

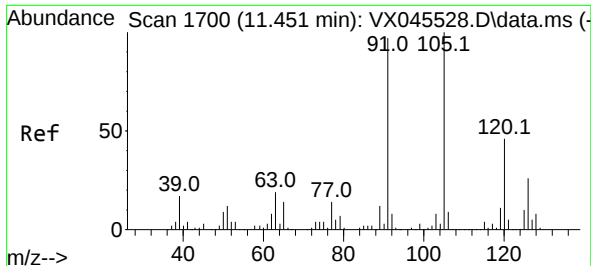
Tgt Ion: 91 Resp: 17127
Ion Ratio Lower Upper
91 100
120 21.1 10.8 32.3



#79
2-Chlorotoluene
Concen: 3.339 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.018 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

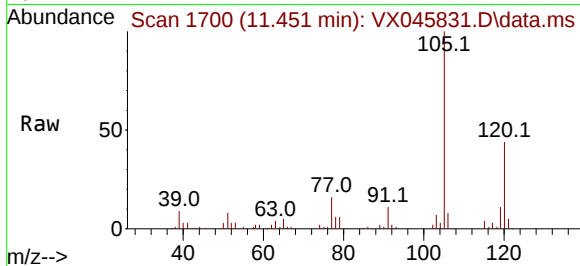
Tgt Ion: 91 Resp: 11644
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#



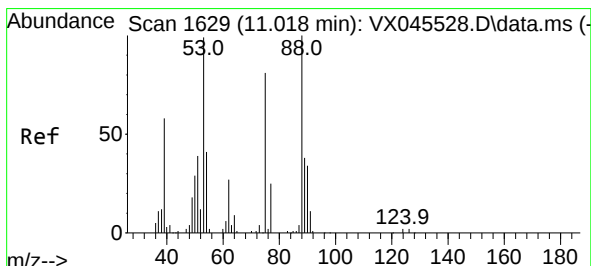
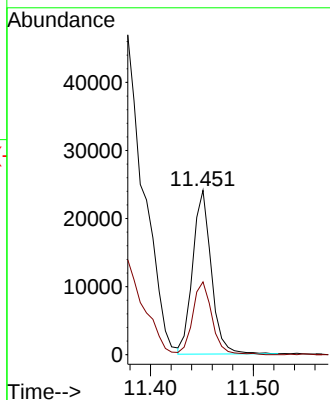
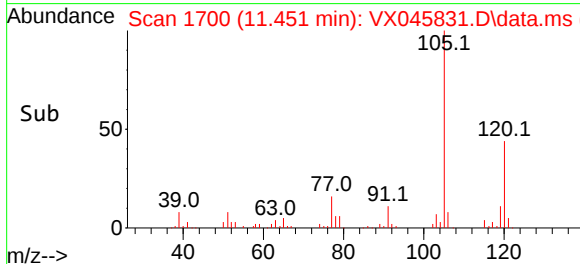


#80
1,3,5-Trimethylbenzene
Concen: 7.741 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

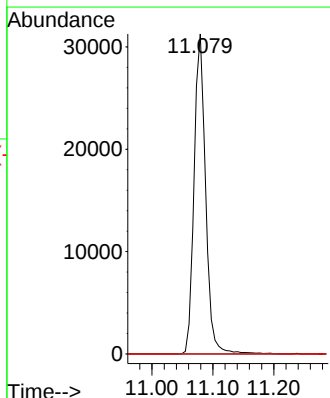
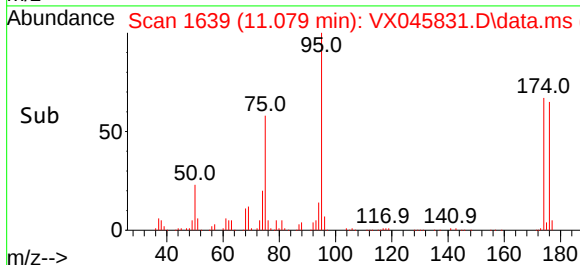
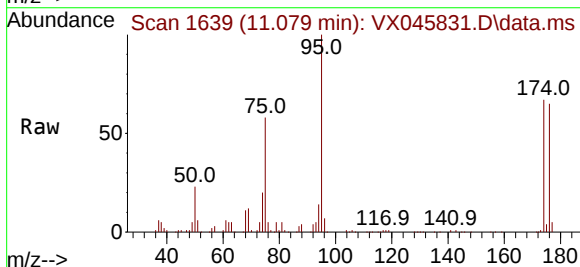


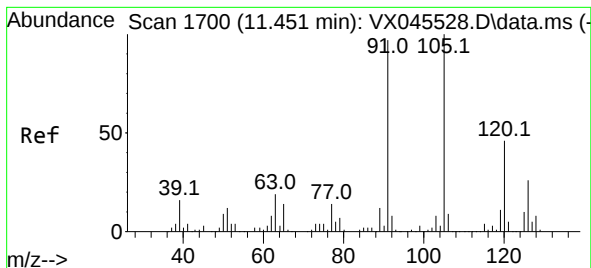
Tgt Ion:105 Resp: 30313
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0



#81
trans-1,4-Dichloro-2-butene
Concen: 96.531 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 75 Resp: 41018
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

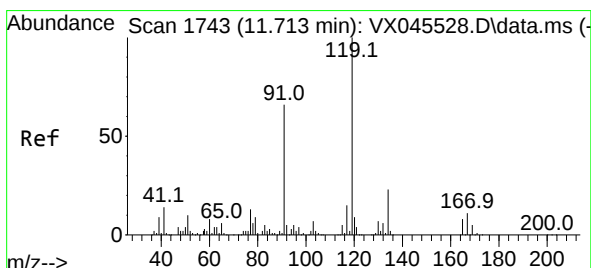
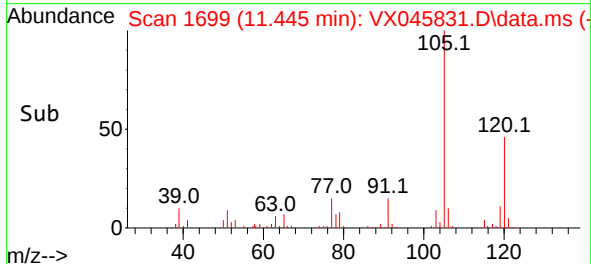
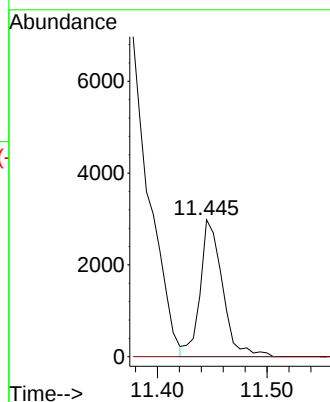
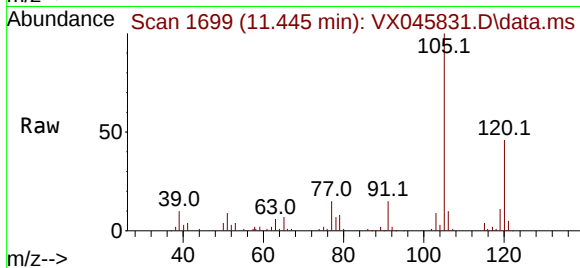




#82
4-Chlorotoluene
Concen: 1.079 ug/l
RT: 11.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

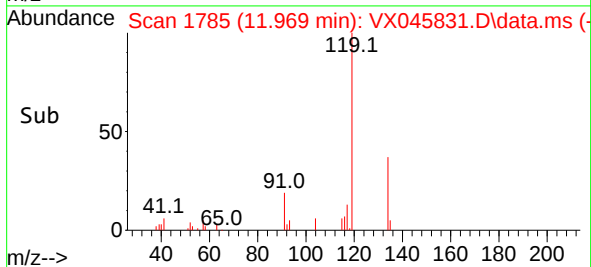
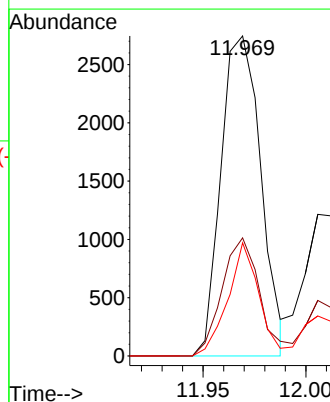
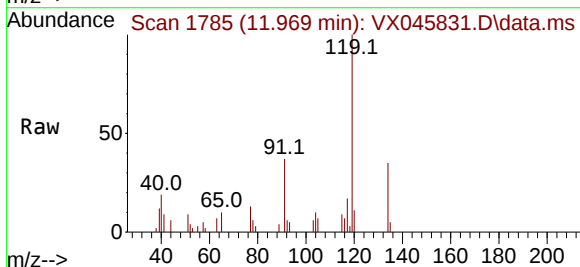
Instrument :
MSVOA_X
ClientSampleId :

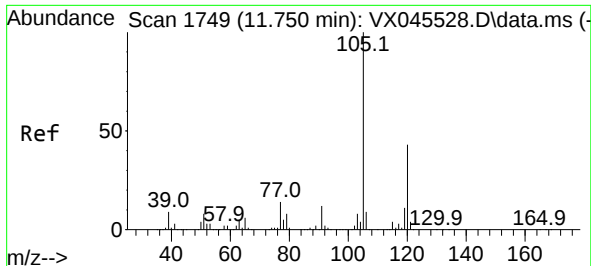
Tgt Ion: 91 Resp: 4197
Ion Ratio Lower Upper
91 100
126 0.0 13.3 39.9#



#83
tert-Butylbenzene
Concen: 0.956 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.256 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 119 Resp: 3706
Ion Ratio Lower Upper
119 100
91 34.5 32.4 97.2
134 27.5 11.5 34.5

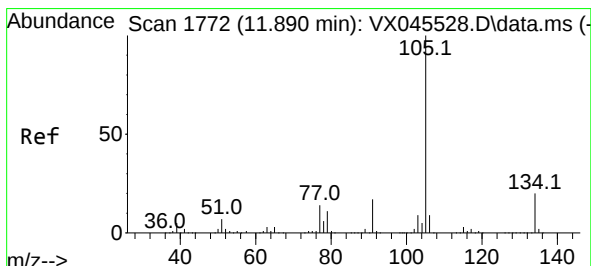
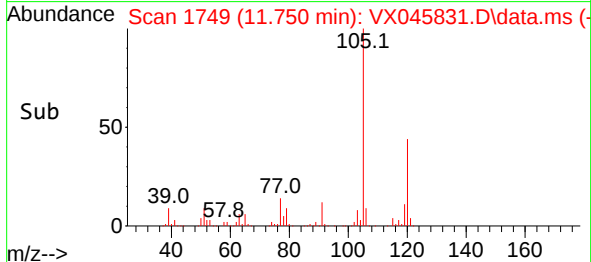
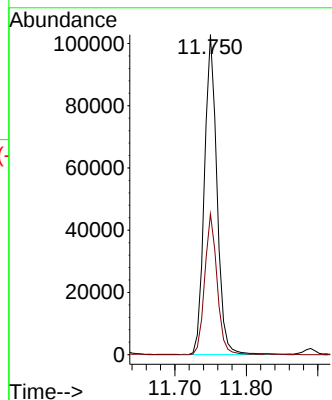
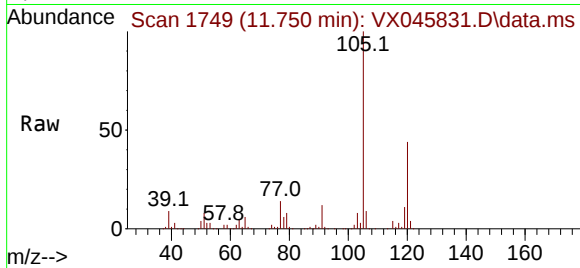




#84
 1,2,4-Trimethylbenzene
 Concen: 31.899 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX045831.D
 Acq: 17 Apr 2025 16:19

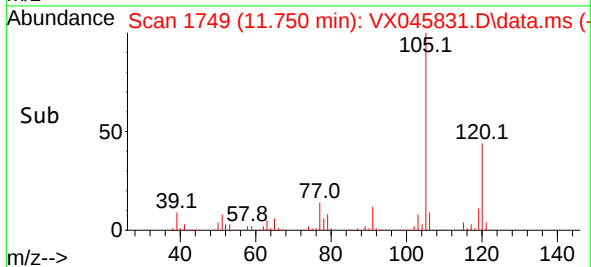
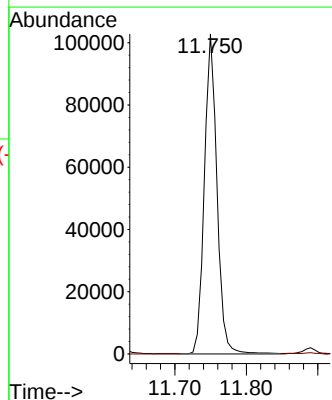
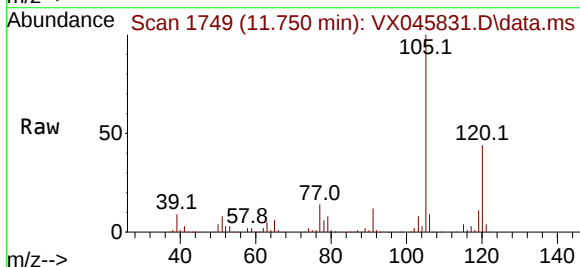
Instrument :
 MSVOA_X
 ClientSampleId :

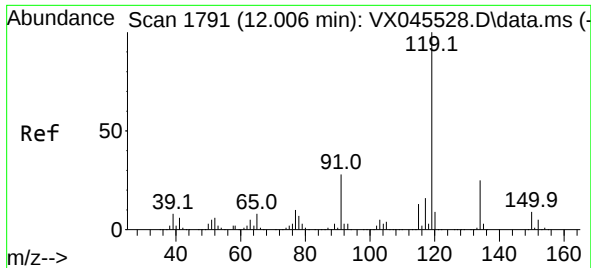
Tgt Ion:105 Resp: 125379
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.4 64.3



#85
 sec-Butylbenzene
 Concen: 26.330 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.140 min
 Lab File: VX045831.D
 Acq: 17 Apr 2025 16:19

Tgt Ion:105 Resp: 125379
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#

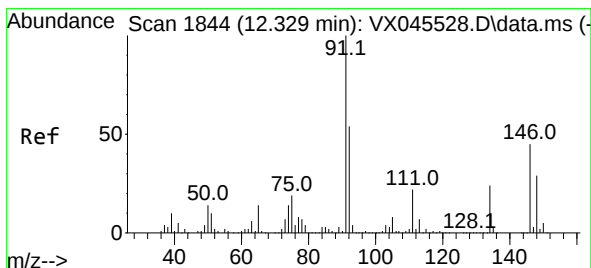
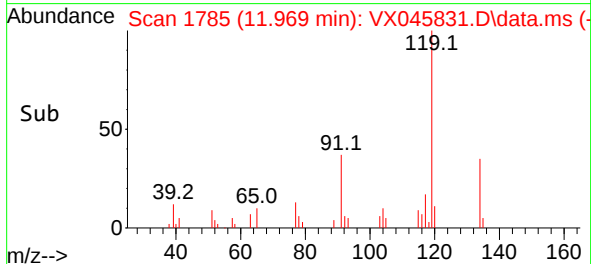
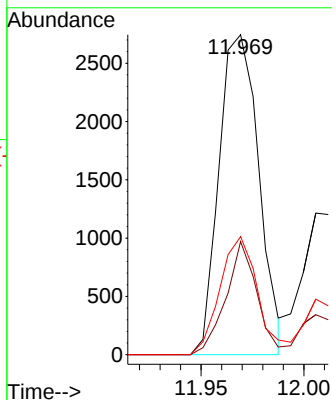
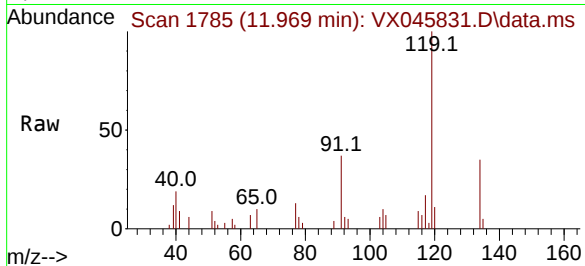




#86
p-Isopropyltoluene
Concen: 0.944 ug/l
RT: 11.969 min Scan# 119
Delta R.T. -0.037 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

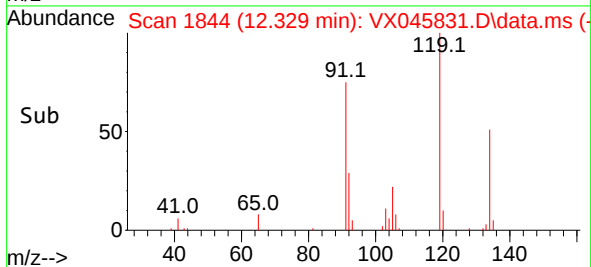
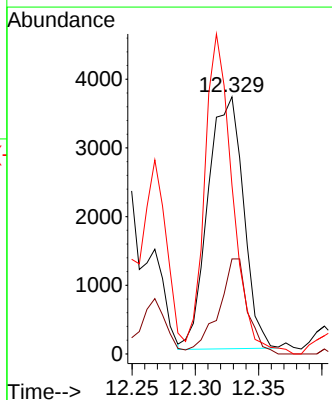
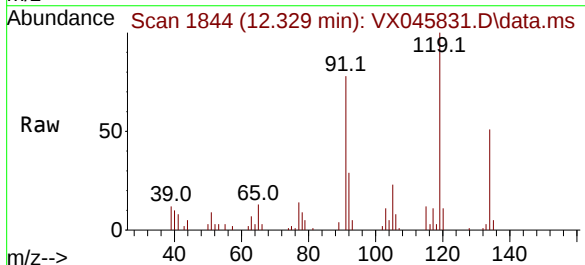
Instrument :
MSVOA_X
ClientSampleId :

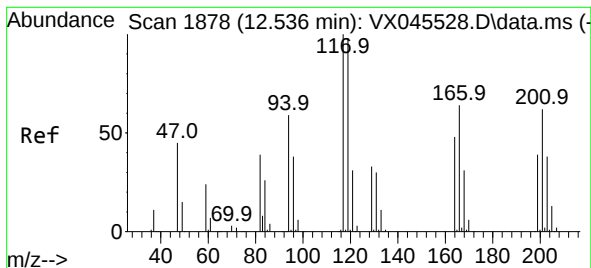
Tgt Ion:119 Resp: 3706
Ion Ratio Lower Upper
119 100
134 27.5 12.6 37.8
91 35.5 13.7 41.1



#89
n-Butylbenzene
Concen: 2.105 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045831.D
Acq: 17 Apr 2025 16:19

Tgt Ion: 91 Resp: 7166
Ion Ratio Lower Upper
91 100
92 30.8 26.9 80.6
134 99.0 11.9 35.7#





#90

Hexachloroethane

Concen: 1.905 ug/l

RT: 12.530 min Scan# 117

Delta R.T. -0.006 min

Lab File: VX045831.D

Acq: 17 Apr 2025 16:19

Instrument :

MSVOA_X

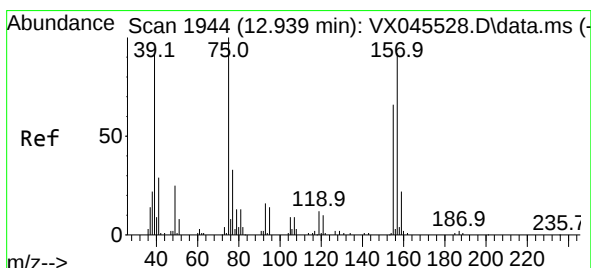
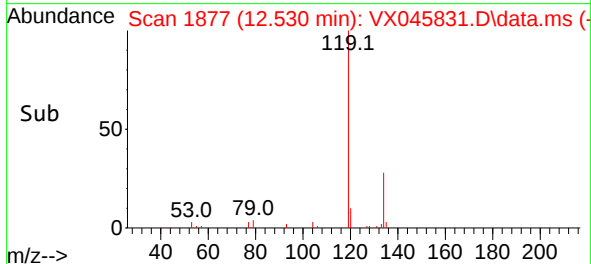
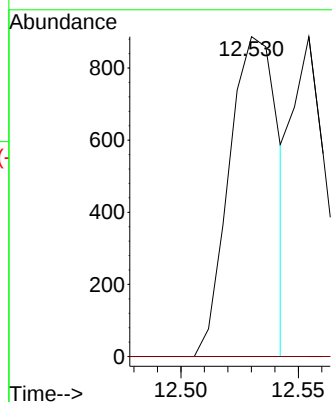
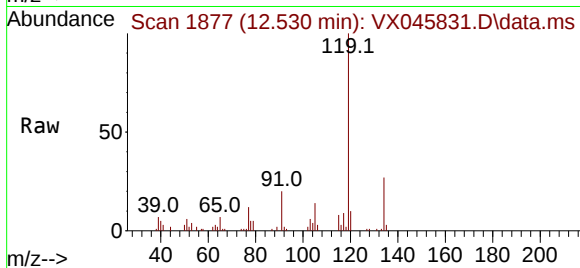
ClientSampleId :

Tgt Ion:117 Resp: 1285

Ion Ratio Lower Upper

117 100

201 0.0 31.2 93.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.408 ug/l

RT: 12.920 min Scan# 1941

Delta R.T. -0.018 min

Lab File: VX045831.D

Acq: 17 Apr 2025 16:19

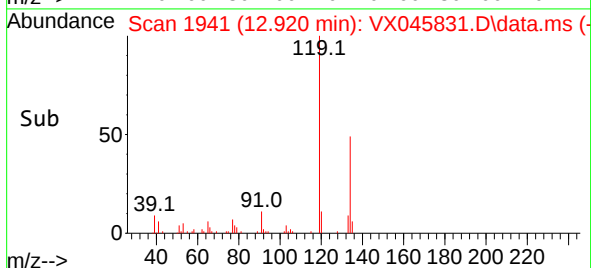
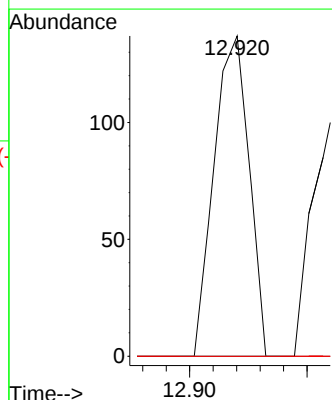
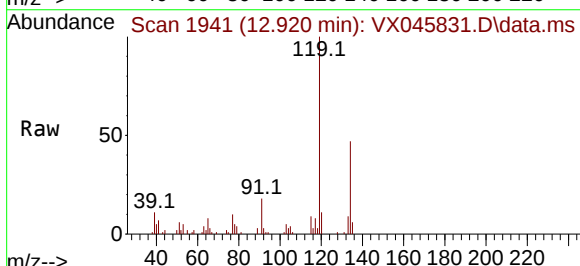
Tgt Ion: 75 Resp: 142

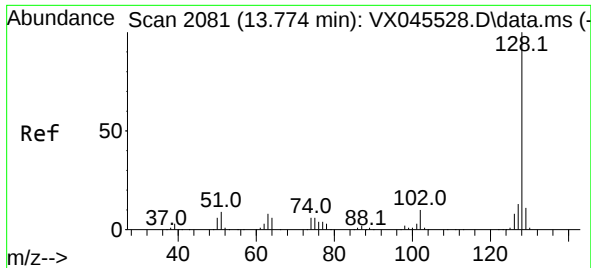
Ion Ratio Lower Upper

75 100

155 0.0 34.9 104.7#

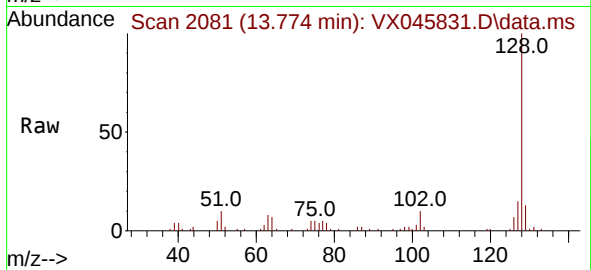
157 0.0 44.9 134.7#





#95
 Naphthalene
 Concen: 3.469 ug/l
 RT: 13.774 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX045831.D
 Acq: 17 Apr 2025 16:19

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.3	15.5
129	13.9	8.6	12.8

