

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045834.D
 Acq On : 17 Apr 2025 17:28
 Operator : JC/MD
 Sample : Q1816-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 03:41:57 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)

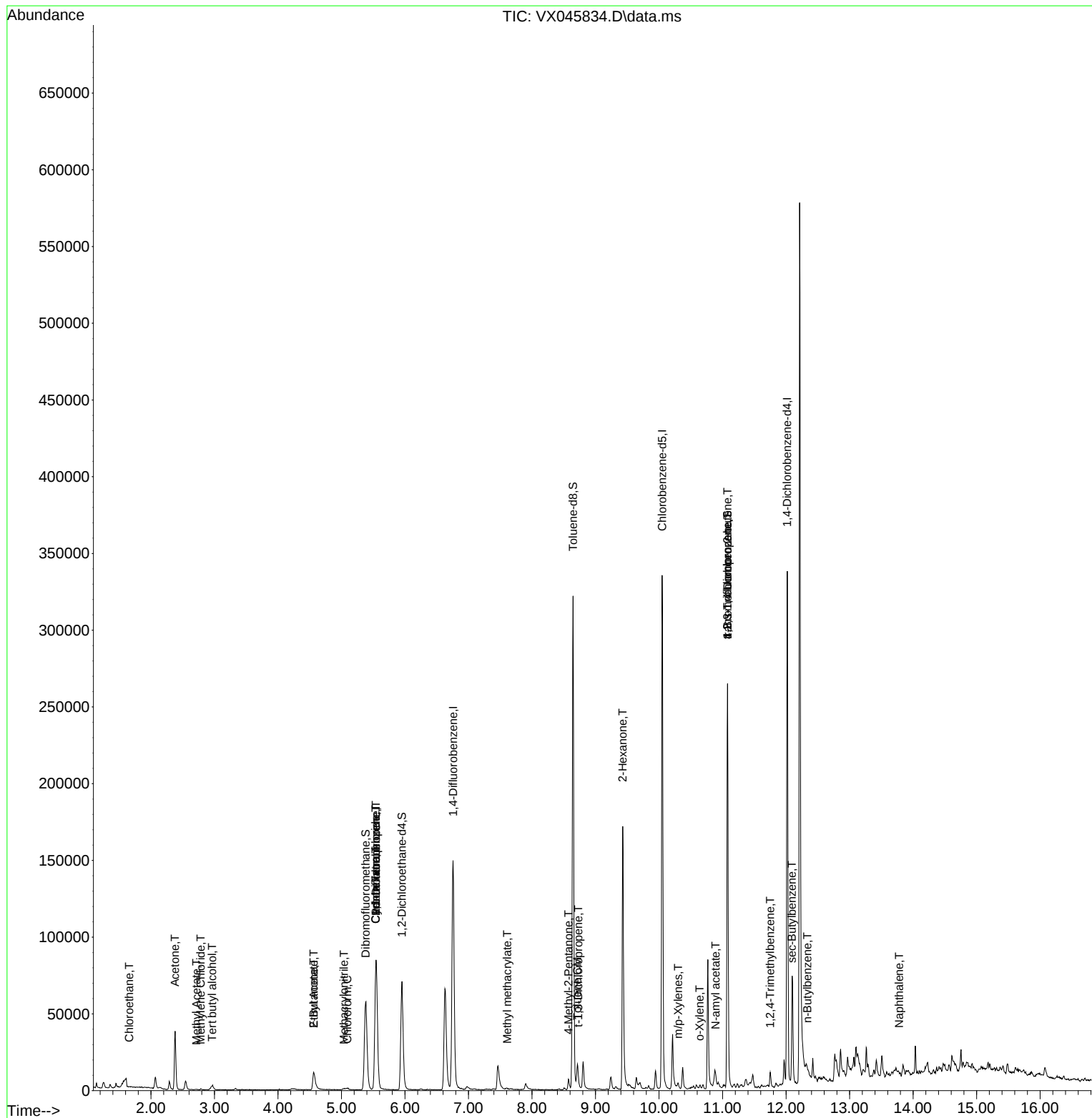
Internal Standards						
1) Pentafluorobenzene	5.544	168	72047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145148	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68935	52.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	5.379	113	50340	48.882	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.760%			
50) Toluene-d8	8.647	98	180603	50.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	71100	54.304	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.600%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	186	0.346	ug/l #	42
11) Tert butyl alcohol	2.965	59	3199	18.066	ug/l	97
16) Acetone	2.380	43	39998	73.930	ug/l	99
18) Methyl Acetate	2.715	43	362	0.291	ug/l #	54
20) Methylene Chloride	2.782	84	230	0.227	ug/l #	81
25) 2-Butanone	4.562	43	23216	29.315	ug/l	97
30) Chloroform	5.093	83	1028	0.546	ug/l	90
31) Cyclohexane	5.538	56	2308	1.428	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	7222	5.194	ug/l #	49
37) Ethyl Acetate	4.562	43	23216	13.249	ug/l #	71
38) Carbon Tetrachloride	5.538	117	8901	5.923	ug/l #	16
41) Methacrylonitrile	5.038	41	260	0.281	ug/l #	24
48) Methyl methacrylate	7.610	41	438	0.319	ug/l #	26
51) 4-Methyl-2-Pentanone	8.574	43	4762	2.705	ug/l	99
52) Toluene	8.714	92	3396	1.322	ug/l	90
53) t-1,3-Dichloropropene	8.726	75	21	2.302	ug/l #	43
59) 2-Hexanone	9.427	43	100541	77.116	ug/l	100
68) m/p-Xylenes	10.299	106	700	0.373	ug/l	92
69) o-Xylene	10.640	106	383	0.207	ug/l	77
74) N-amyl acetate	10.890	43	5389	2.289	ug/l #	69
76) 1,2,3-Trichloropropane	11.079	75	40799	27.221	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40799	92.386	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.750	105	2802	0.686	ug/l	97
85) sec-Butylbenzene	12.091	105	1530	0.309	ug/l	81
89) n-Butylbenzene	12.335	91	857	0.242	ug/l #	51
95) Naphthalene	13.780	128	1483	0.348	ug/l #	88

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
Data File : VX045834.D
Acq On : 17 Apr 2025 17:28
Operator : JC/MD
Sample : Q1816-01 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

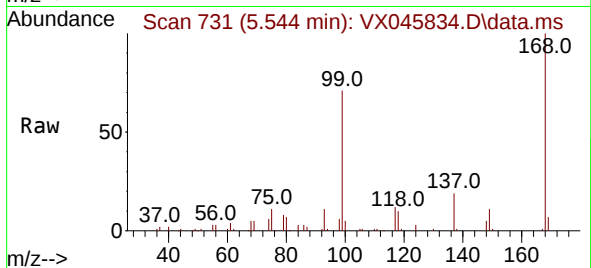
Quant Time: Apr 18 03:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



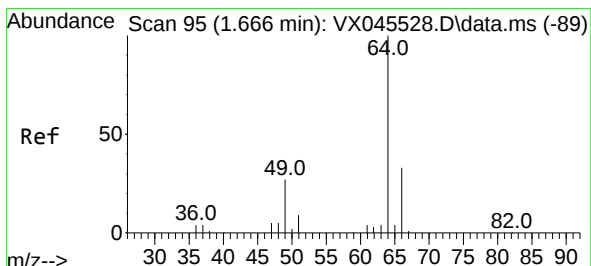
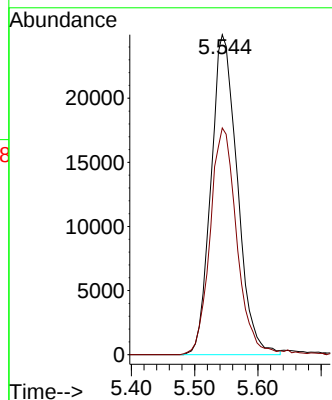
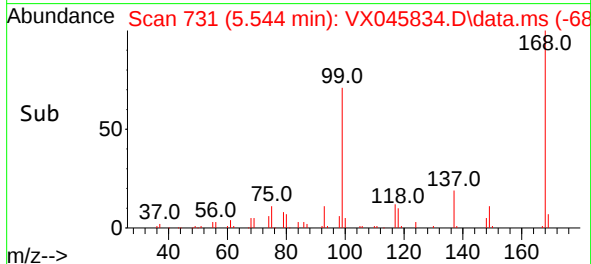


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :

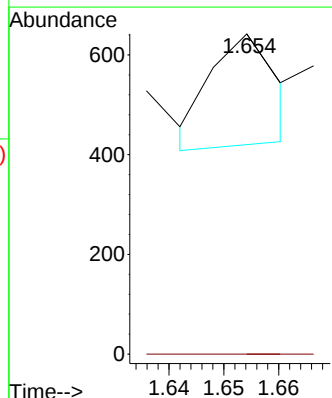
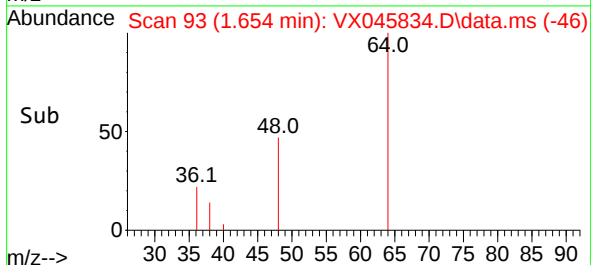
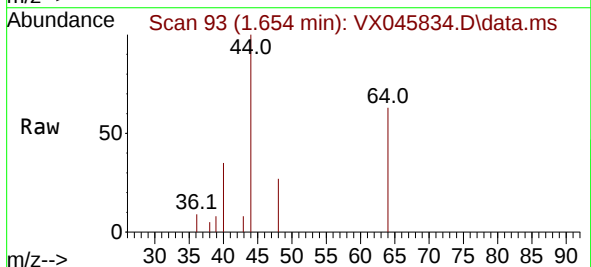


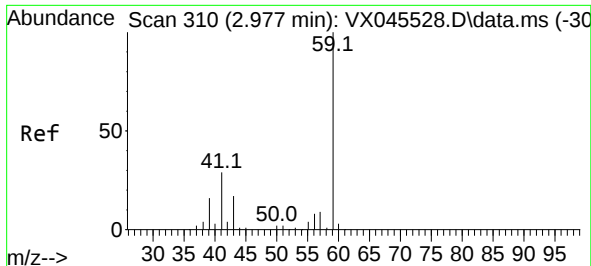
Tgt Ion:168 Resp: 72047
Ion Ratio Lower Upper
168 100
99 70.9 52.3 78.5



#6
Chloroethane
Concen: 0.346 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 64 Resp: 186
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

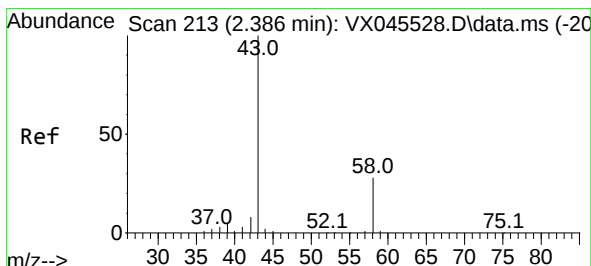
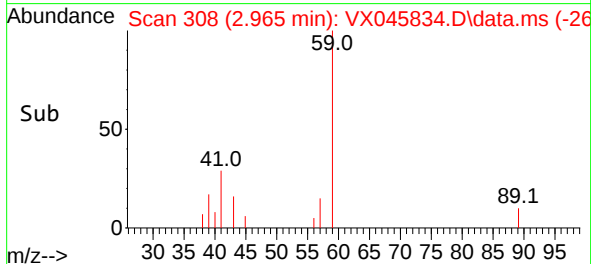
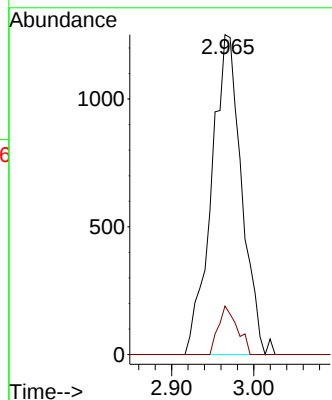
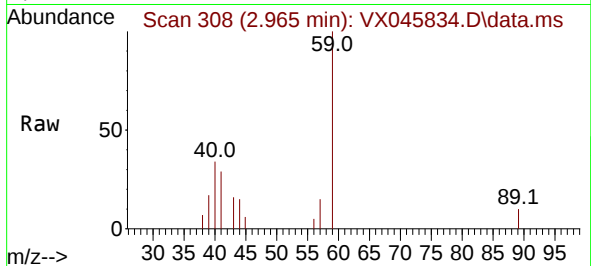




#11
Tert butyl alcohol
Concen: 18.066 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

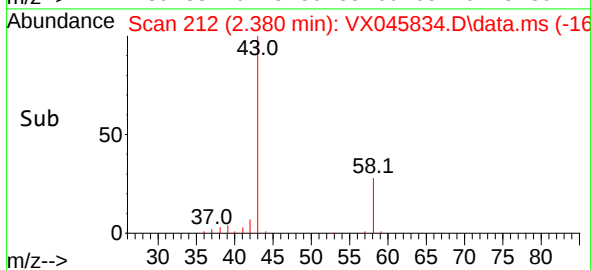
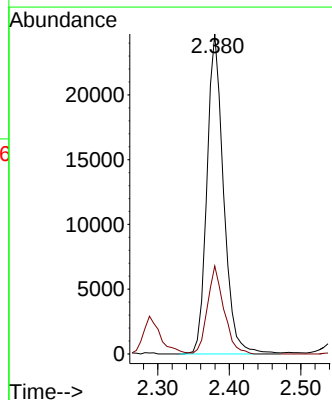
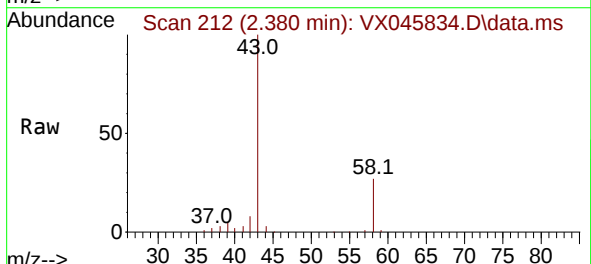
Instrument :
MSVOA_X
ClientSampleId :

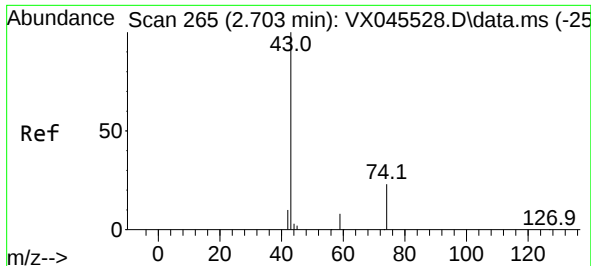
Tgt Ion: 59 Resp: 3199
Ion Ratio Lower Upper
59 100
57 9.5 8.6 12.8



#16
Acetone
Concen: 73.930 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 43 Resp: 39998
Ion Ratio Lower Upper
43 100
58 27.5 22.3 33.5





#18

Methyl Acetate

Concen: 0.291 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Instrument :

MSVOA_X

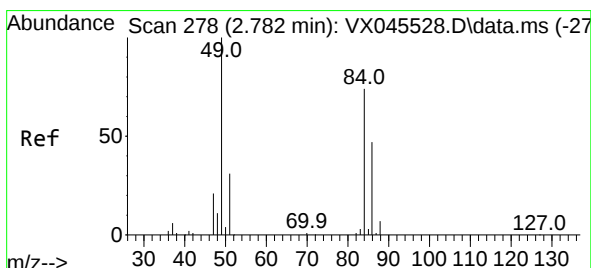
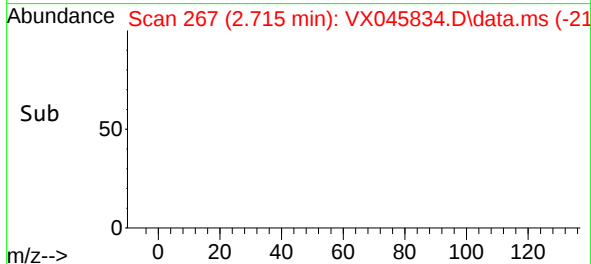
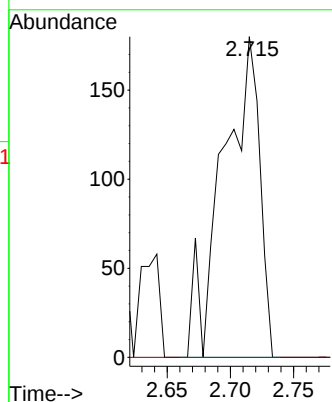
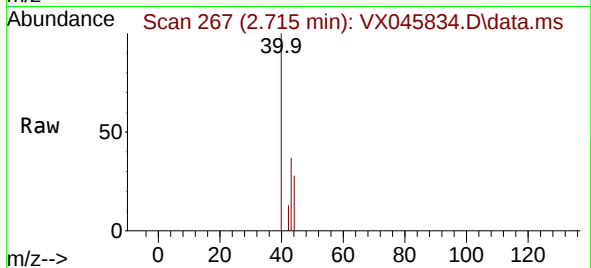
ClientSampleId :

Tgt Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



#20

Methylene Chloride

Concen: 0.227 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Tgt Ion: 84 Resp: 230

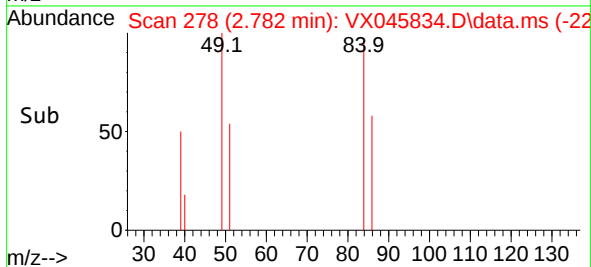
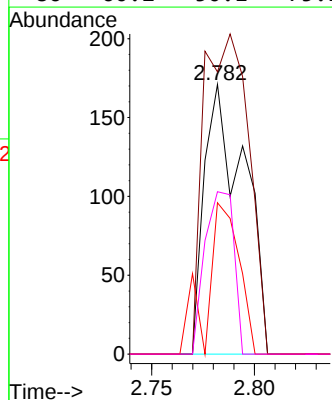
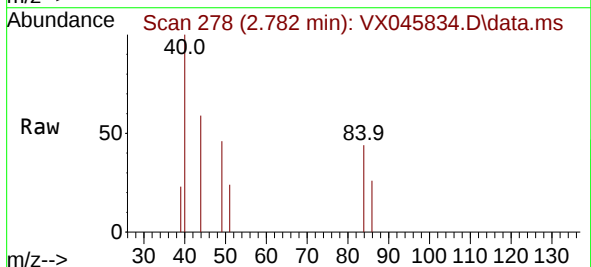
Ion Ratio Lower Upper

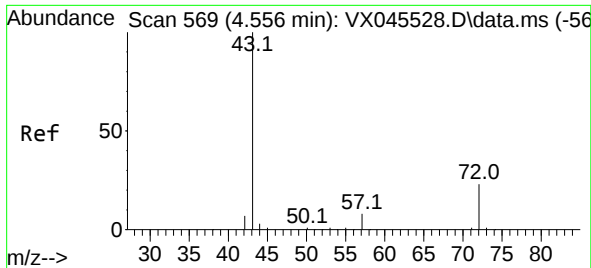
84 100

49 104.7 107.5 161.3#

51 56.1 33.0 49.6#

86 60.2 50.1 75.1

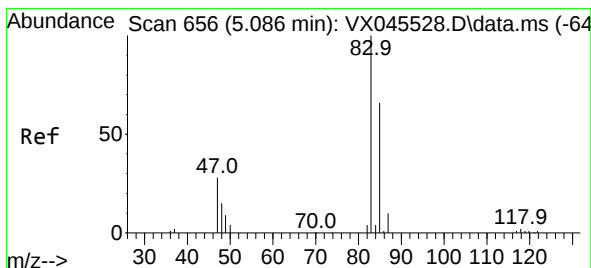
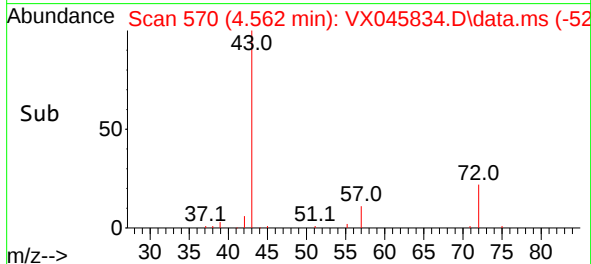
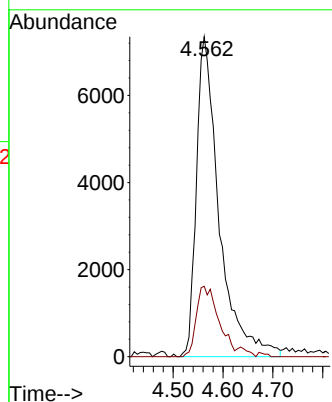
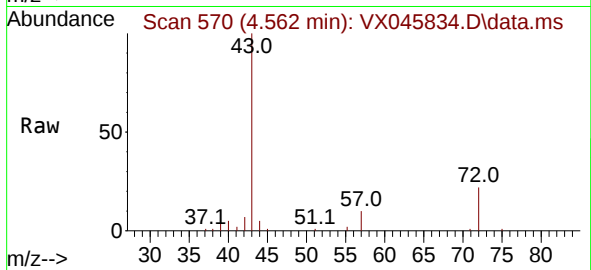




#25
2-Butanone
Concen: 29.315 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

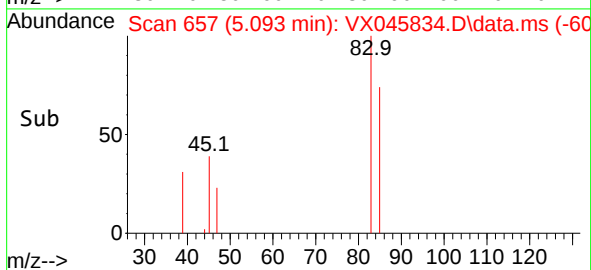
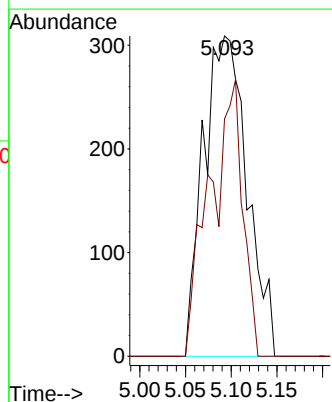
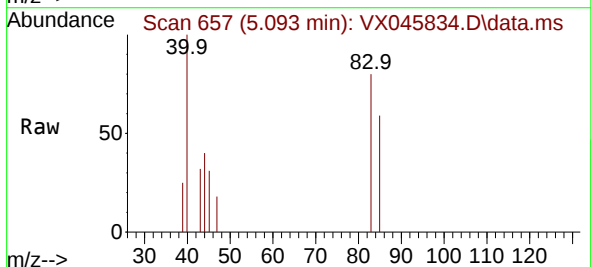
Instrument :
MSVOA_X
ClientSampleId :

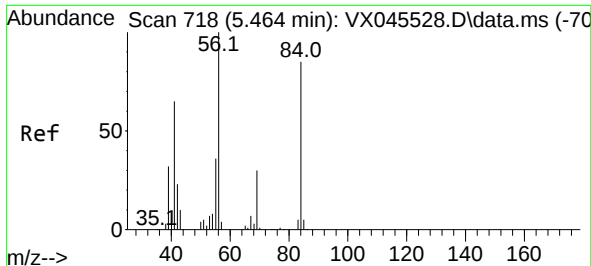
Tgt Ion: 43 Resp: 23216
Ion Ratio Lower Upper
43 100
72 22.0 18.6 28.0



#30
Chloroform
Concen: 0.546 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

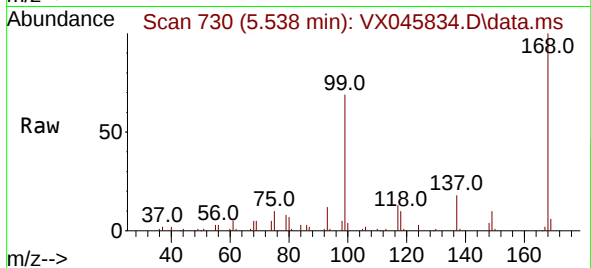
Tgt Ion: 83 Resp: 1028
Ion Ratio Lower Upper
83 100
85 74.1 52.8 79.2



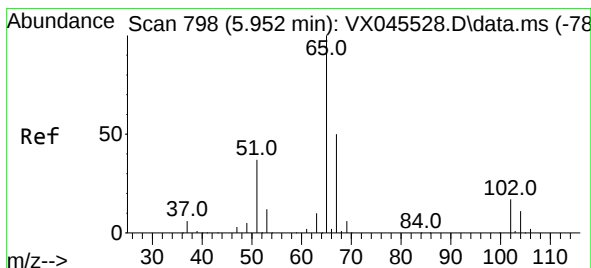
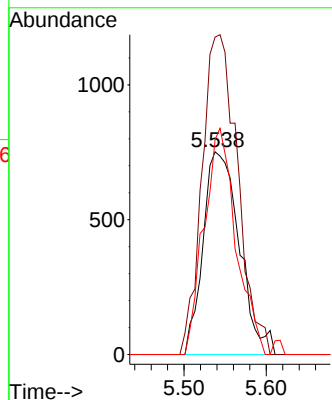
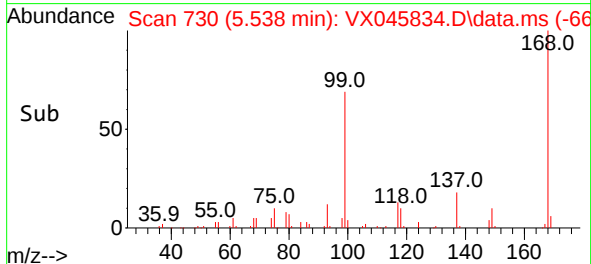


#31
Cyclohexane
Concen: 1.428 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :

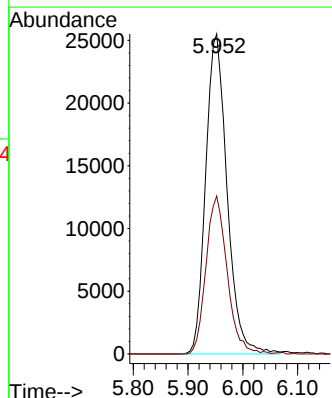
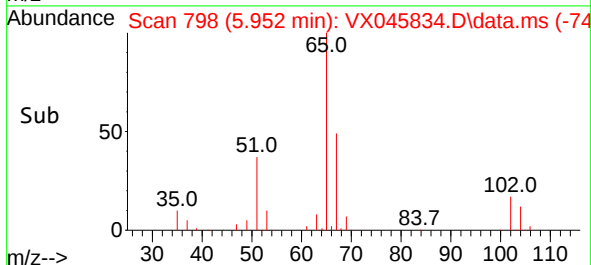
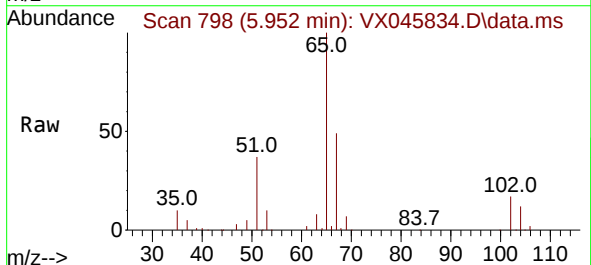


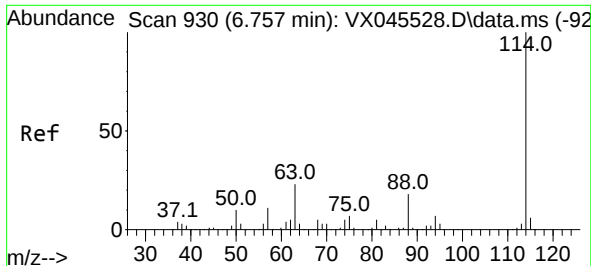
Tgt Ion: 56 Resp: 2308
Ion Ratio Lower Upper
56 100
69 156.5 23.6 35.4#
84 105.9 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 52.321 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 65 Resp: 68935
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

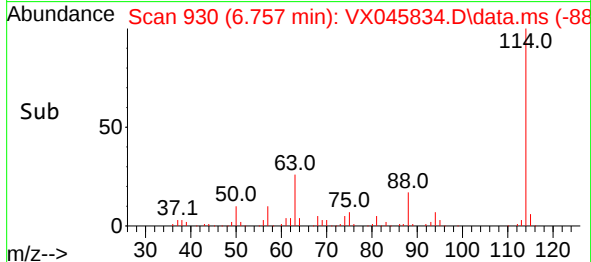
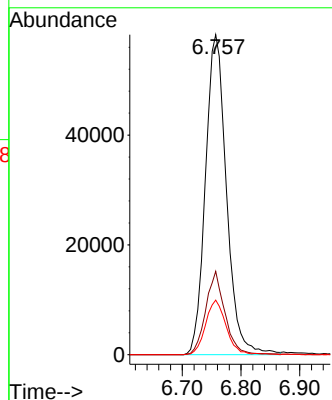
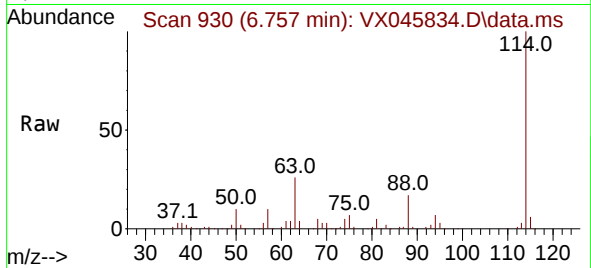




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

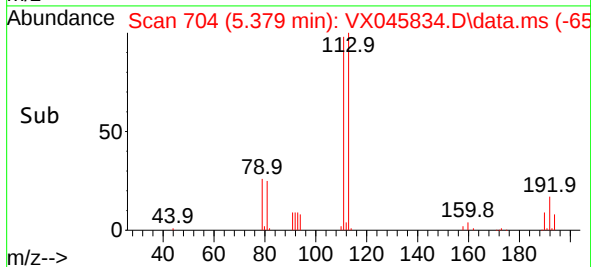
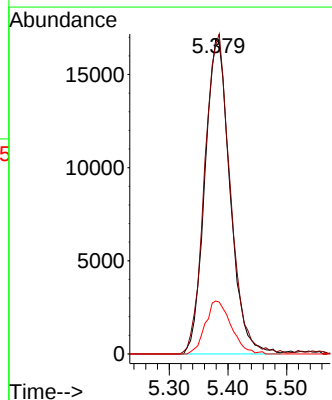
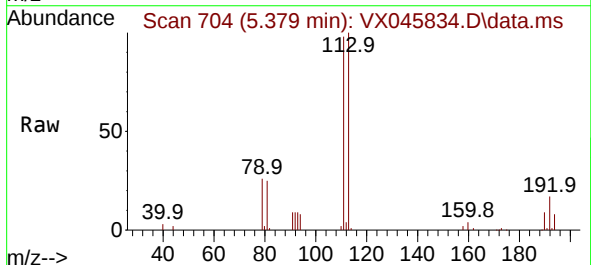
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 145148
Ion Ratio Lower Upper
114 100
63 26.0 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 48.882 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion:113 Resp: 50340
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 17.2 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.194 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

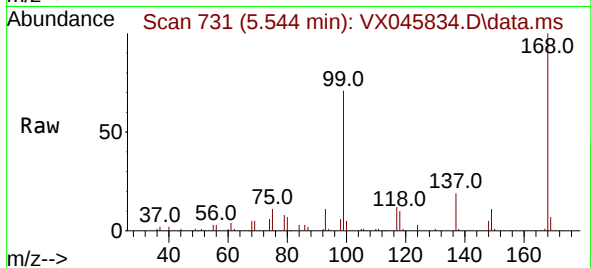
Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

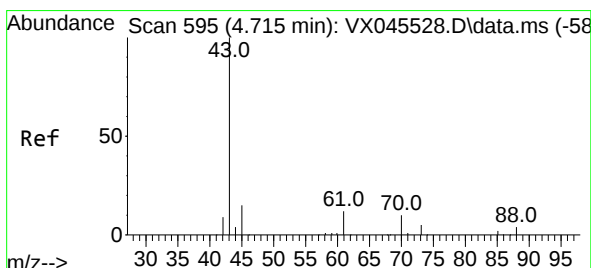
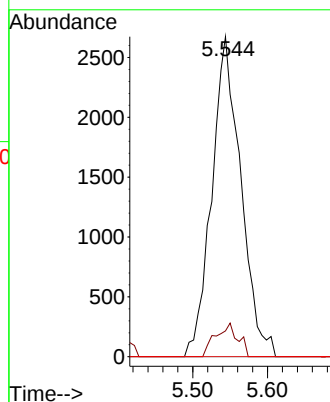
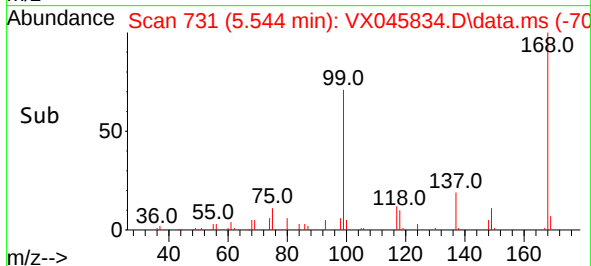
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	75	Resp:	7222
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.9	50.6#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 13.249 ug/l

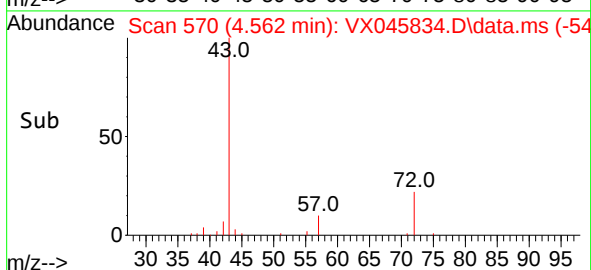
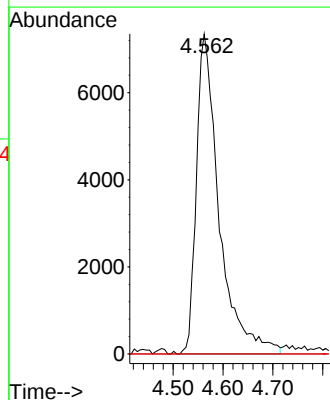
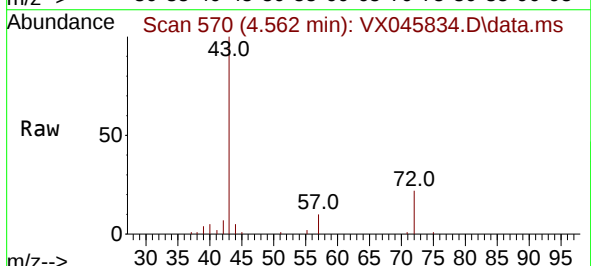
RT: 4.562 min Scan# 570

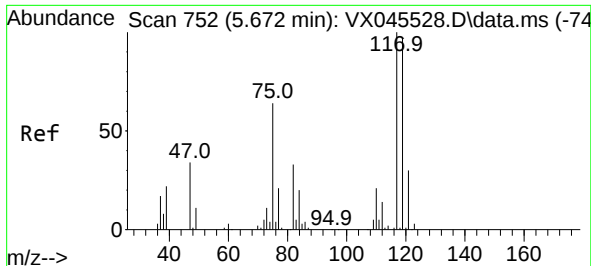
Delta R.T. -0.152 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

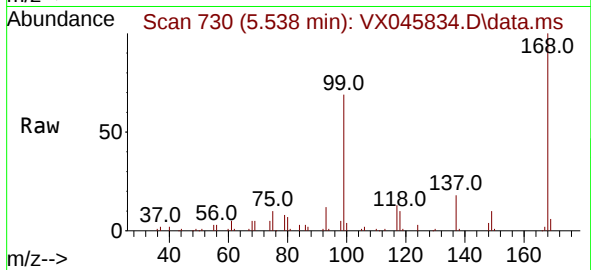
Tgt Ion:	43	Resp:	23216
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	0.0	7.5	11.3#



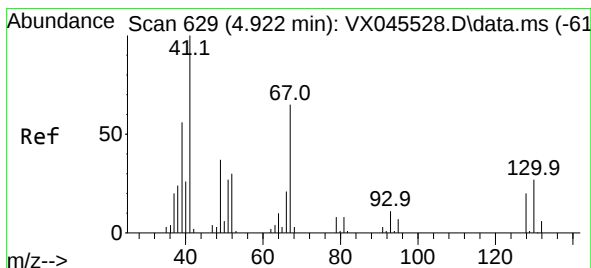
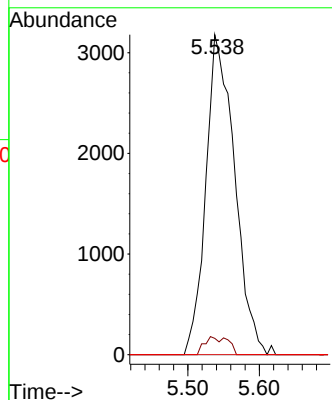
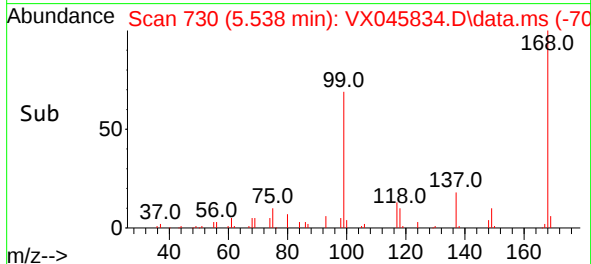


#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :

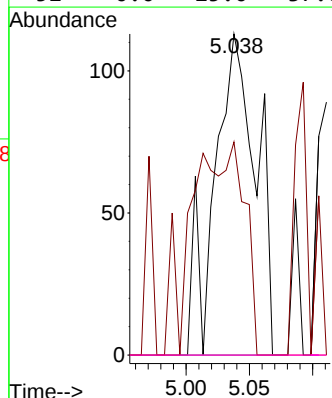
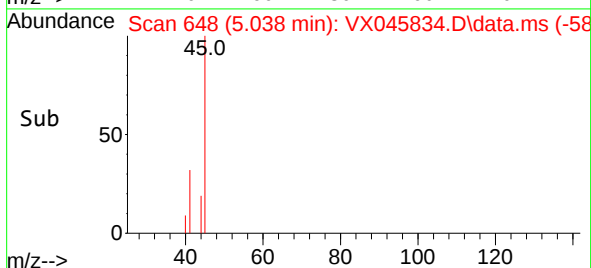
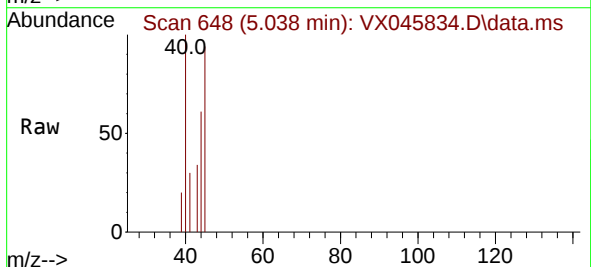


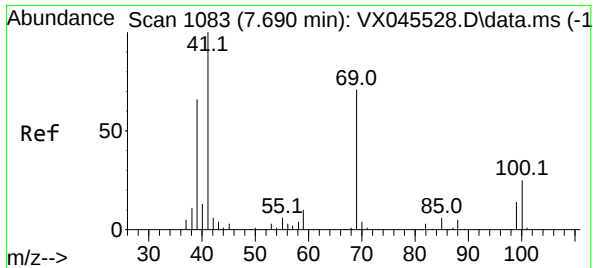
Tgt Ion:117 Resp: 8901
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.281 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 41 Resp: 260
Ion Ratio Lower Upper
41 100
39 0.0 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#





#48

Methyl methacrylate

Concen: 0.319 ug/l

RT: 7.610 min Scan# 1

Delta R.T. -0.079 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

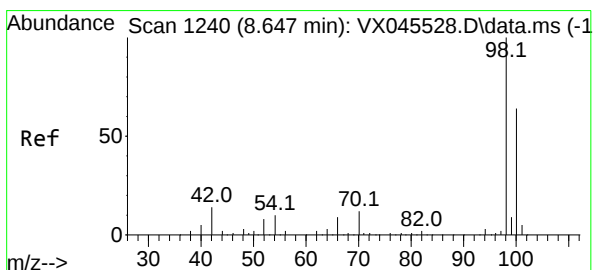
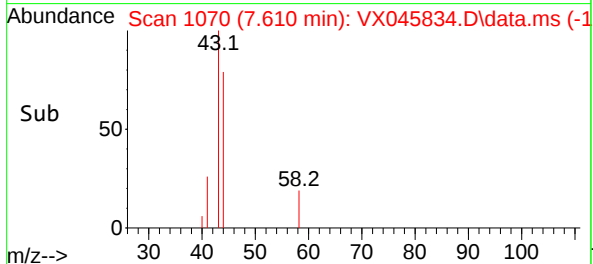
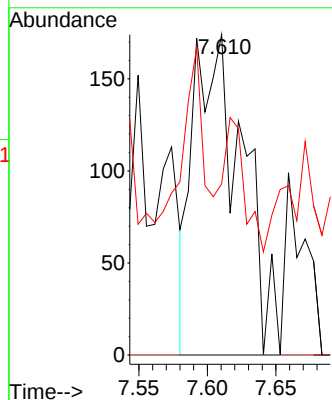
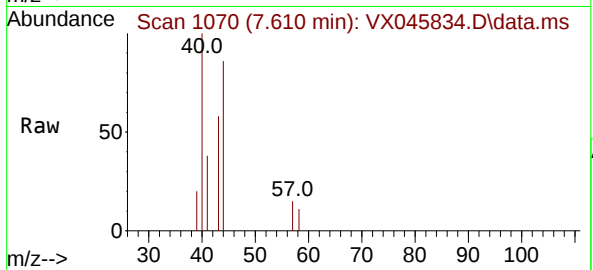
Tgt Ion: 41 Resp: 438

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 18.3 53.6 80.4#



#50

Toluene-d8

Concen: 50.244 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045834.D

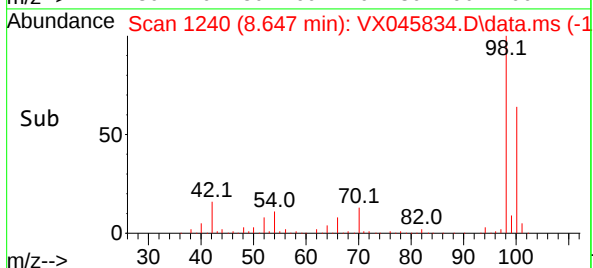
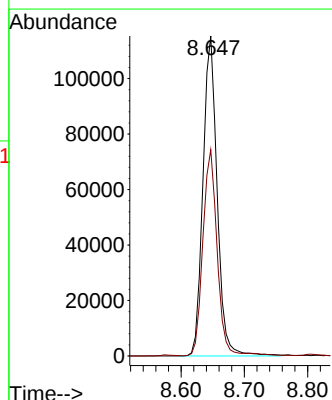
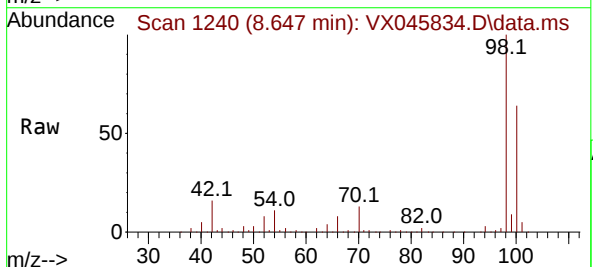
Acq: 17 Apr 2025 17:28

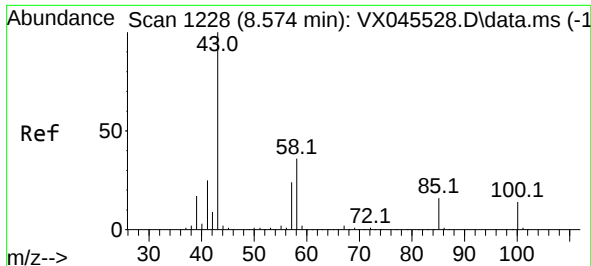
Tgt Ion: 98 Resp: 180603

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4

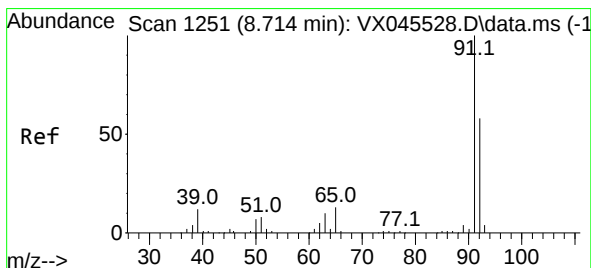
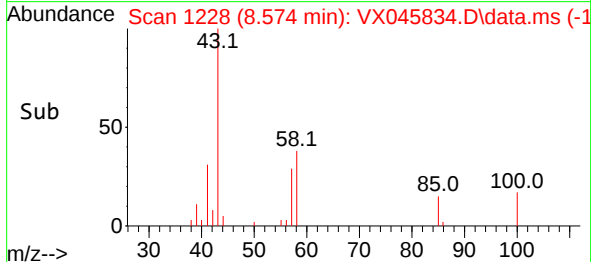
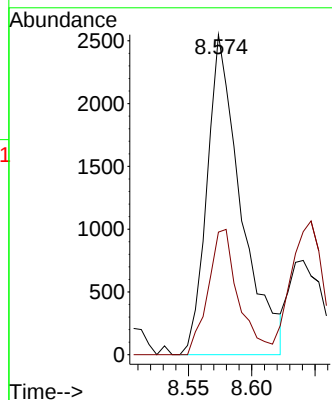
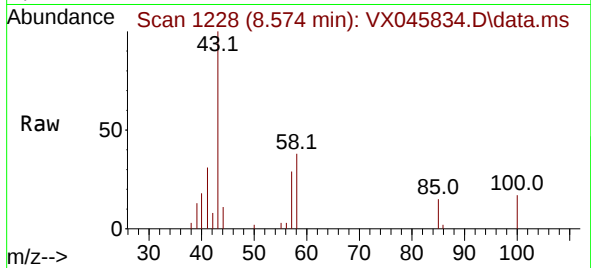




#51
4-Methyl-2-Pentanone
Concen: 2.705 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

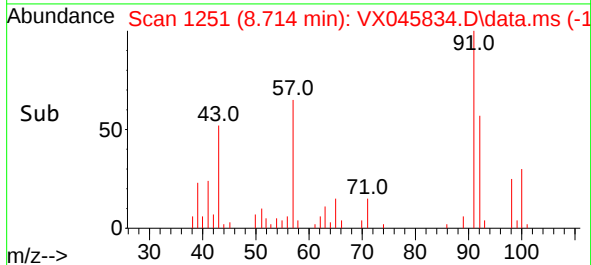
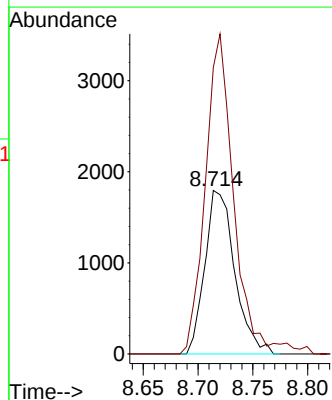
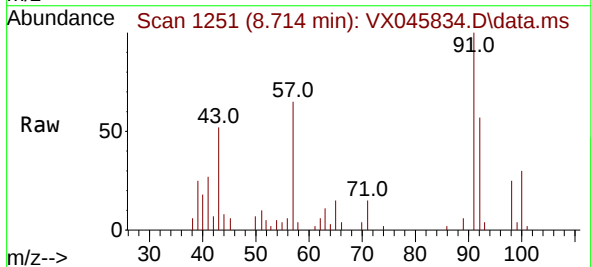
Instrument :
MSVOA_X
ClientSampleId :

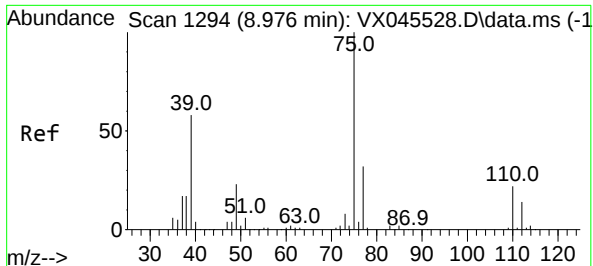
Tgt Ion: 43 Resp: 4762
Ion Ratio Lower Upper
43 100
58 35.3 28.5 42.7



#52
Toluene
Concen: 1.322 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 92 Resp: 3396
Ion Ratio Lower Upper
92 100
91 187.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 2.302 ug/l

RT: 8.726 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Instrument :

MSVOA_X

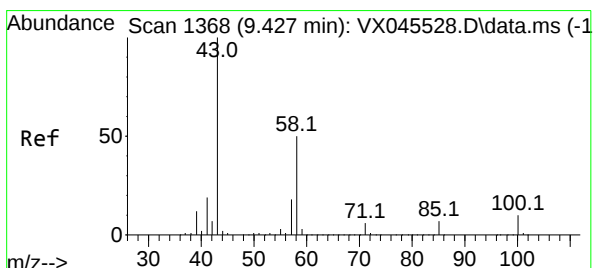
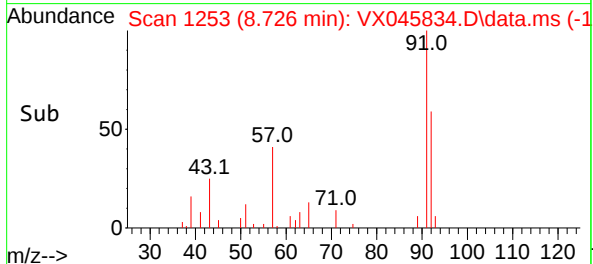
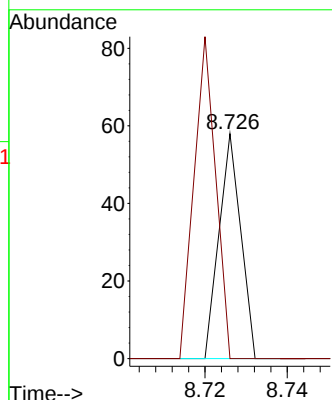
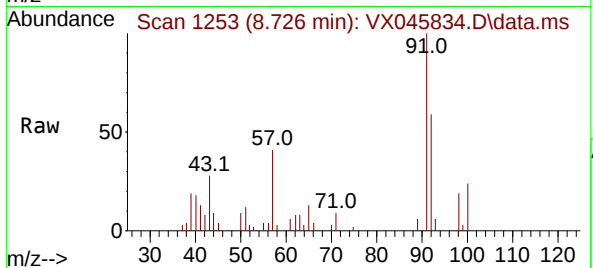
ClientSampleId :

Tgt Ion: 75 Resp: 21

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#59

2-Hexanone

Concen: 77.116 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045834.D

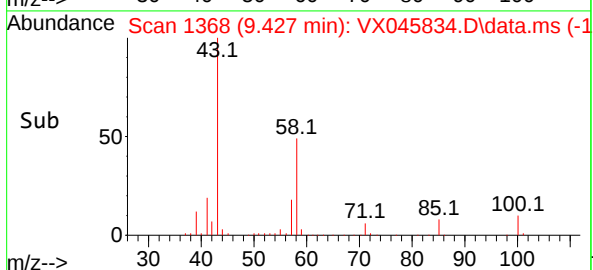
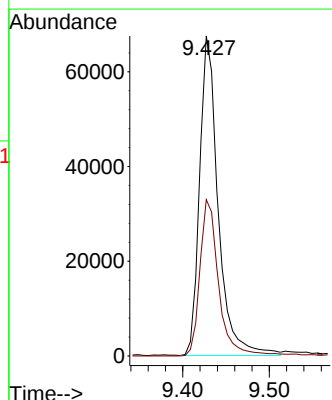
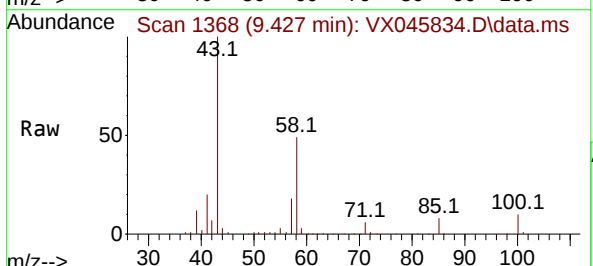
Acq: 17 Apr 2025 17:28

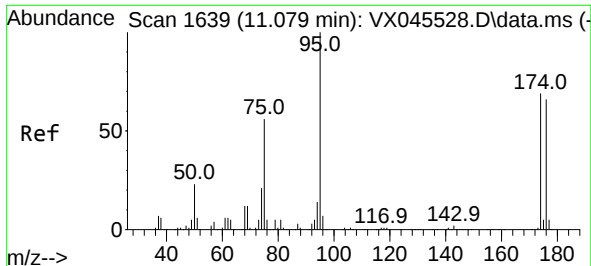
Tgt Ion: 43 Resp: 100541

Ion Ratio Lower Upper

43 100

58 50.0 24.9 74.6

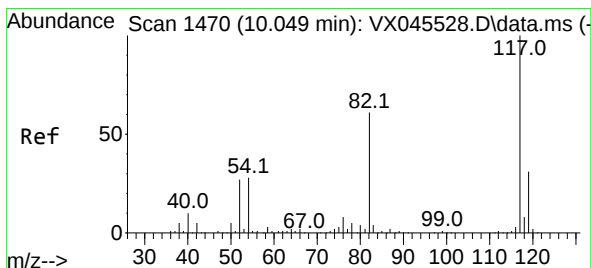
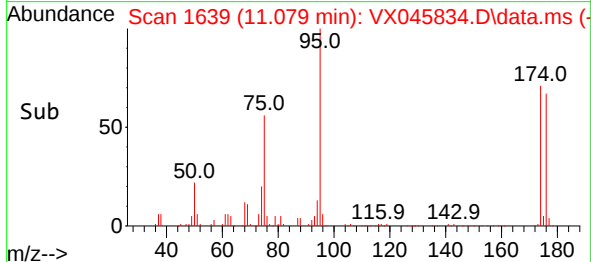
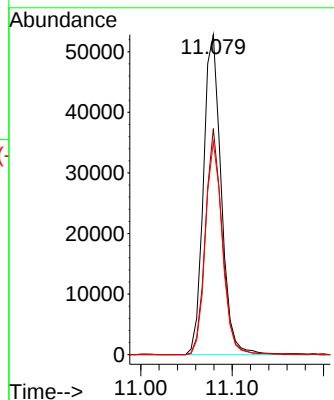
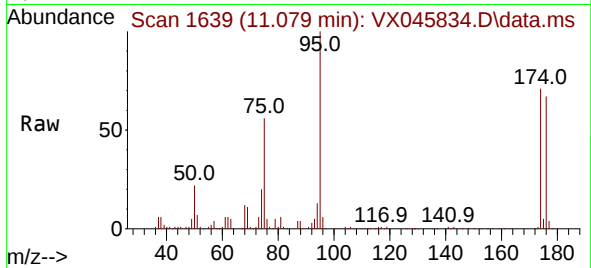




#62
4-Bromofluorobenzene
Concen: 54.304 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

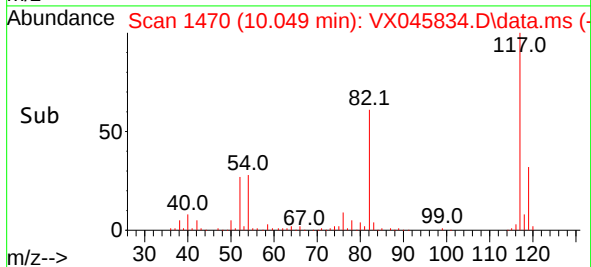
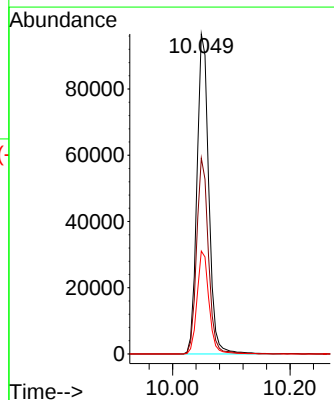
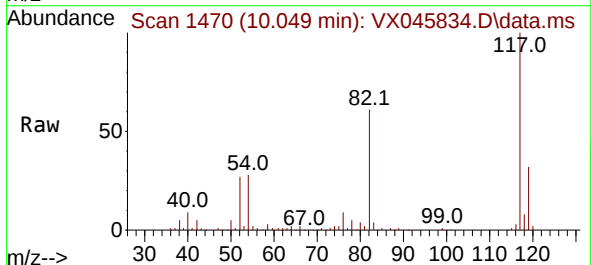
Instrument :
MSVOA_X
ClientSampleId :

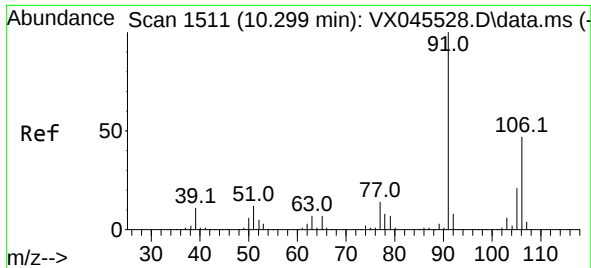
Tgt Ion: 95 Resp: 71100
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 117 Resp: 134720
Ion Ratio Lower Upper
117 100
82 61.2 49.2 73.8
119 32.1 25.1 37.7

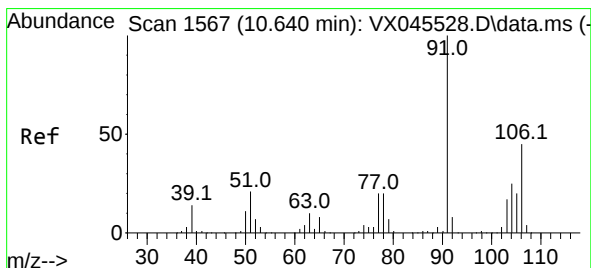
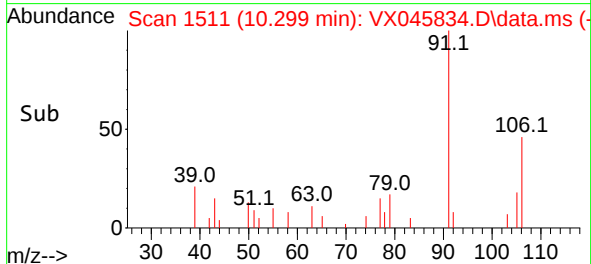
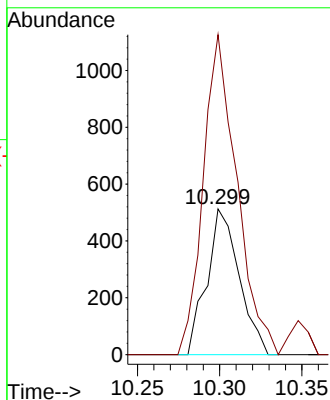
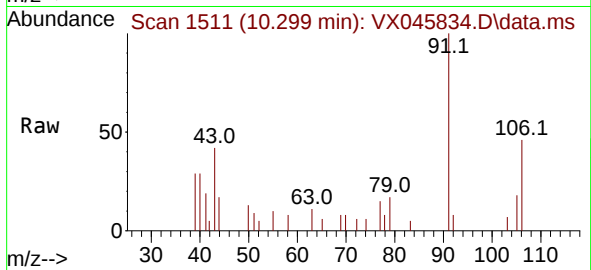




#68
m/p-Xylenes
Concen: 0.373 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

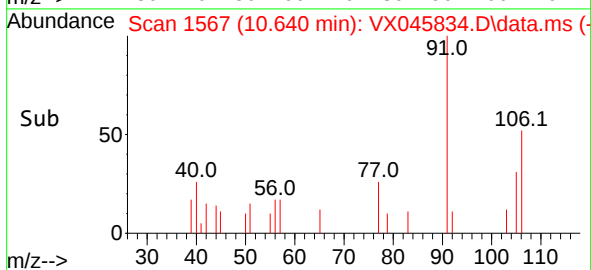
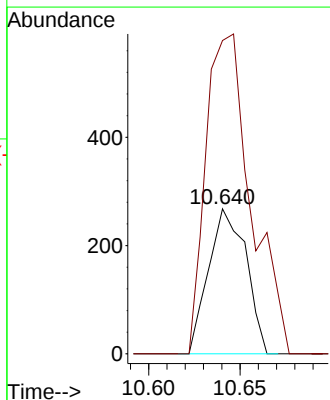
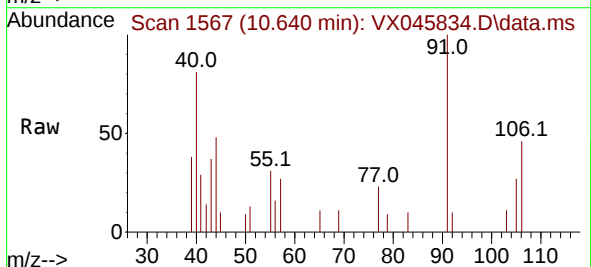
Instrument :
MSVOA_X
ClientSampleId :

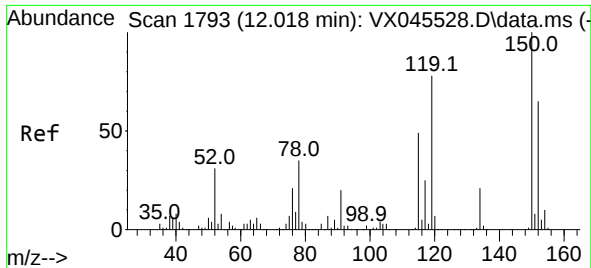
Tgt Ion:106 Resp: 700
Ion Ratio Lower Upper
106 100
91 228.4 172.6 258.8



#69
o-Xylene
Concen: 0.207 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

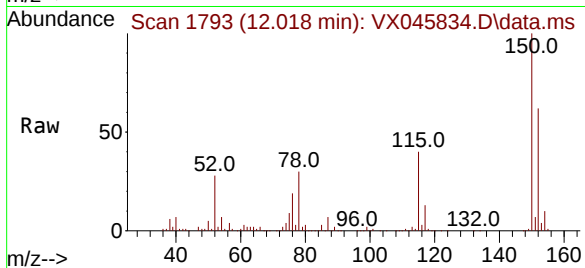
Tgt Ion:106 Resp: 383
Ion Ratio Lower Upper
106 100
91 265.0 113.6 340.6



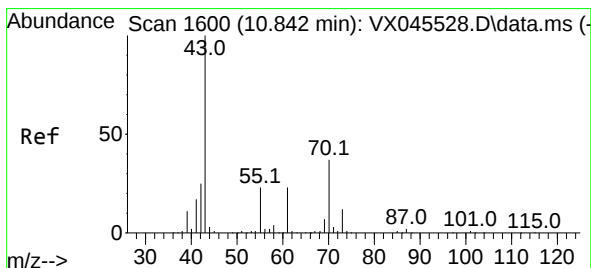
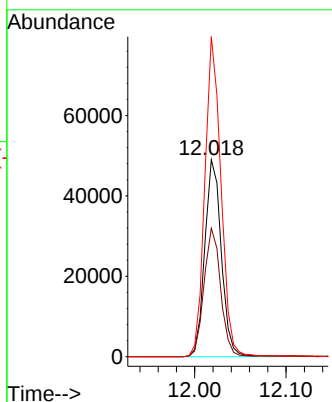
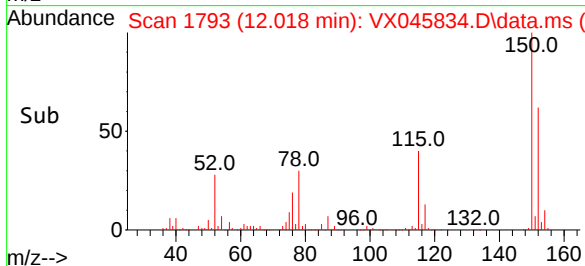


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX045834.D
 Acq: 17 Apr 2025 17:28

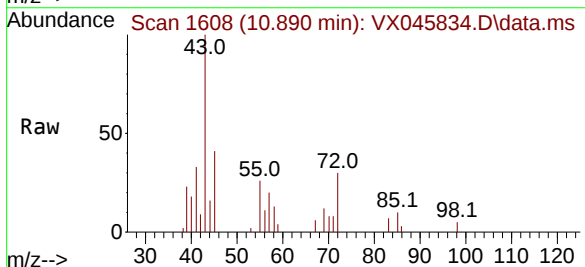
Instrument :
 MSVOA_X
 ClientSampleId :



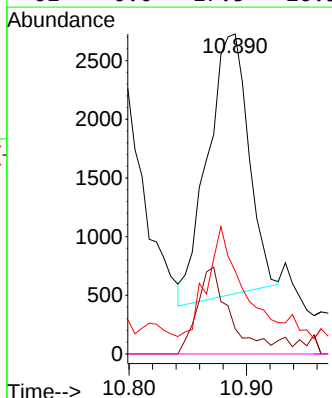
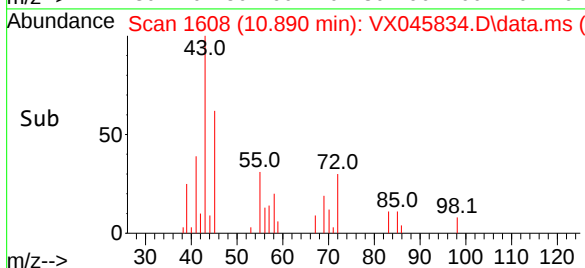
Tgt Ion:152 Resp: 61445
 Ion Ratio Lower Upper
 152 100
 115 65.4 46.9 140.7
 150 158.9 0.0 349.4

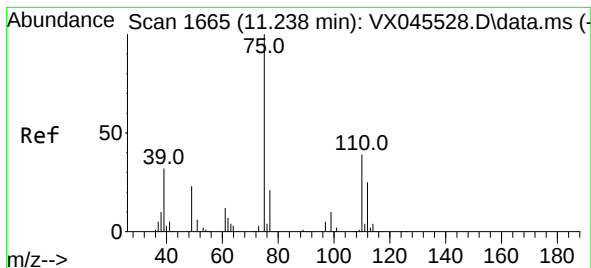


#74
 N-ethyl acetate
 Concen: 2.289 ug/l
 RT: 10.890 min Scan# 1608
 Delta R.T. 0.049 min
 Lab File: VX045834.D
 Acq: 17 Apr 2025 17:28



Tgt Ion: 43 Resp: 5389
 Ion Ratio Lower Upper
 43 100
 70 26.6 30.1 45.1#
 55 40.4 18.3 27.5#
 61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 27.221 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Instrument :

MSVOA_X

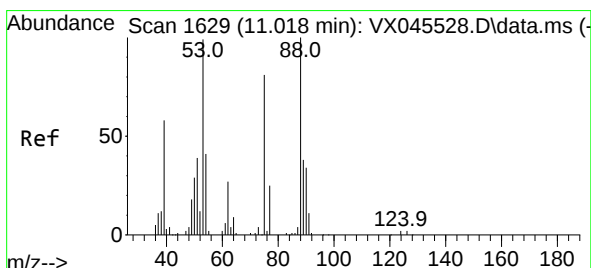
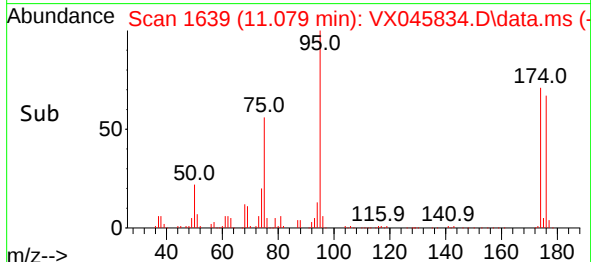
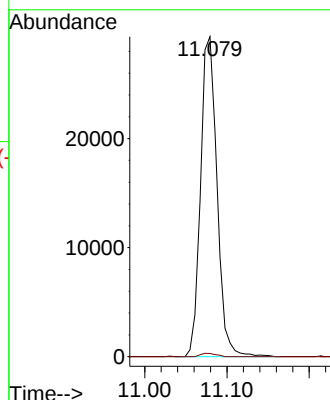
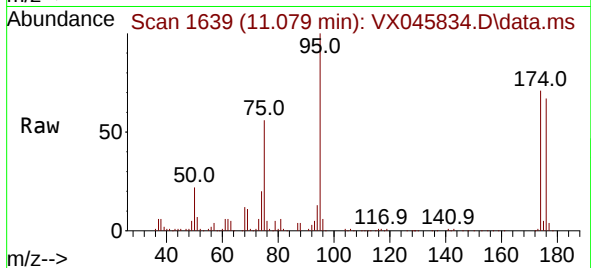
ClientSampleId :

Tgt Ion: 75 Resp: 40799

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.386 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

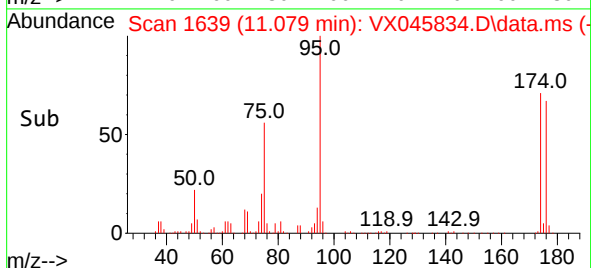
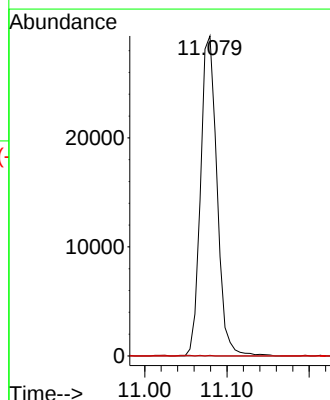
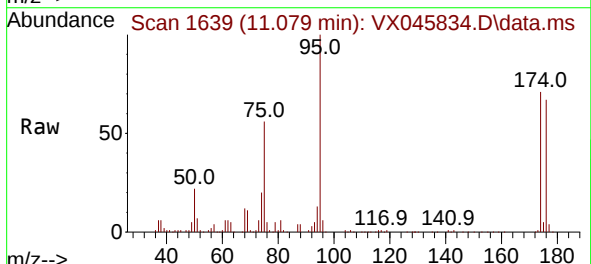
Tgt Ion: 75 Resp: 40799

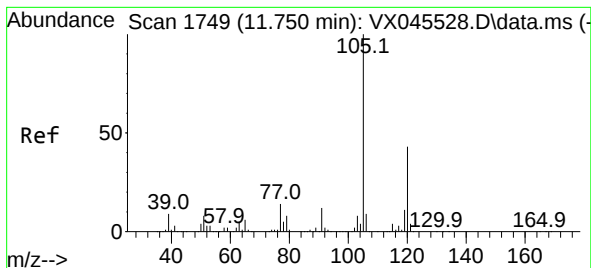
Ion Ratio Lower Upper

75 100

53 0.1 101.8 152.6#

89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.686 ug/l

RT: 11.750 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Instrument :

MSVOA_X

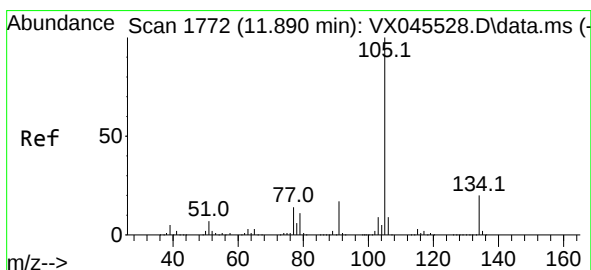
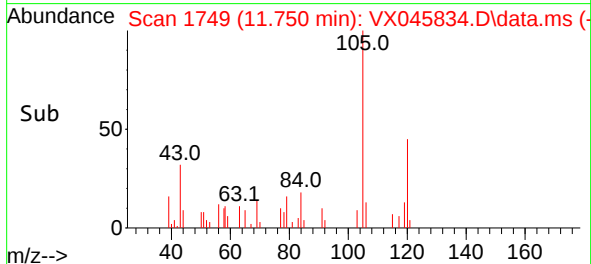
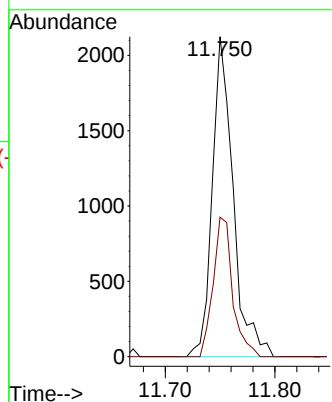
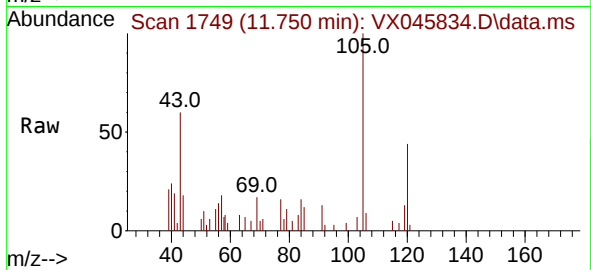
ClientSampleId :

Tgt Ion:105 Resp: 2802

Ion Ratio Lower Upper

105 100

120 40.8 21.4 64.3



#85

sec-Butylbenzene

Concen: 0.309 ug/l

RT: 12.091 min Scan# 1805

Delta R.T. 0.201 min

Lab File: VX045834.D

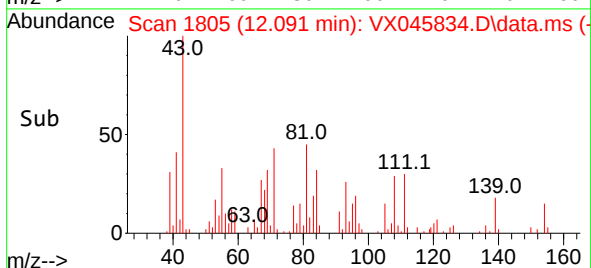
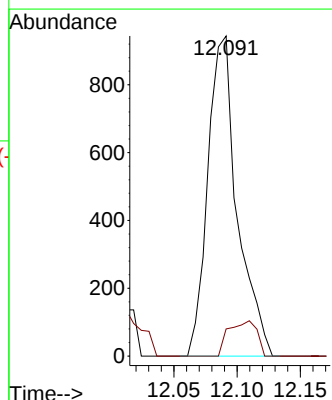
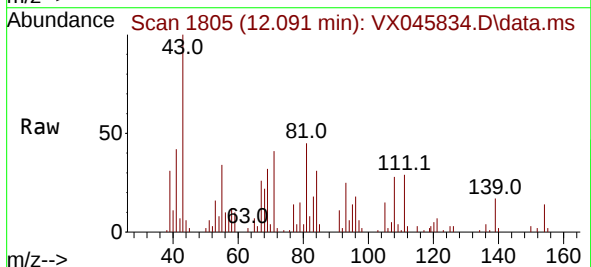
Acq: 17 Apr 2025 17:28

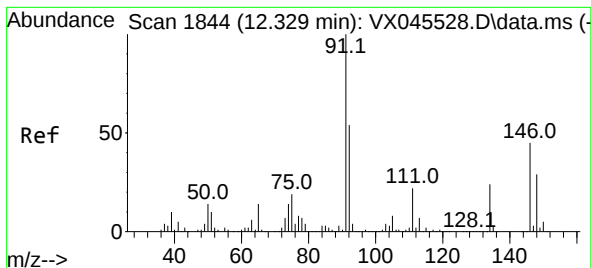
Tgt Ion:105 Resp: 1530

Ion Ratio Lower Upper

105 100

134 10.5 9.6 28.6

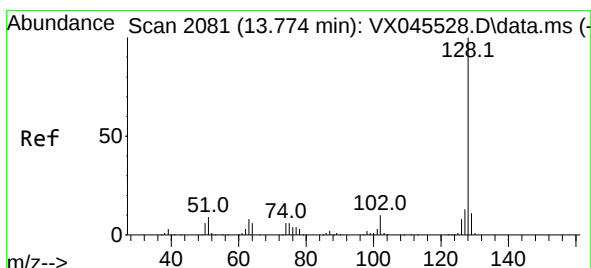
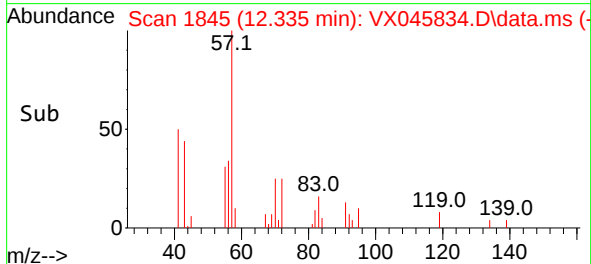
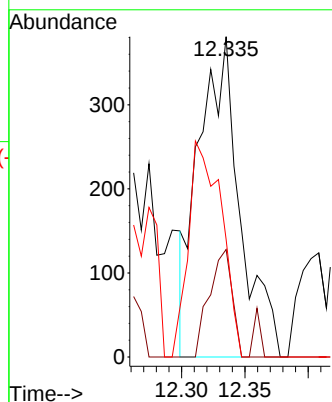
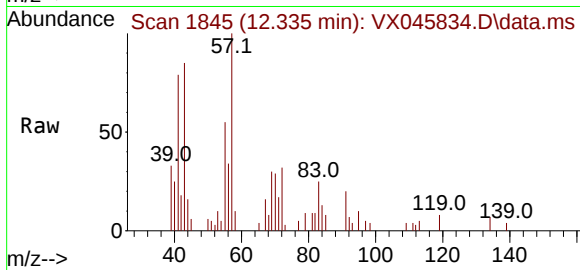




#89
n-Butylbenzene
Concen: 0.242 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 857
Ion Ratio Lower Upper
91 100
92 18.8 26.9 80.6#
134 0.0 11.9 35.7#



#95
Naphthalene
Concen: 0.348 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 128 Resp: 1483
Ion Ratio Lower Upper
128 100
127 11.3 10.3 15.5
129 19.2 8.6 12.8#

