

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044993.D
 Acq On : 18 Feb 2025 17:17
 Operator : JC/MD
 Sample : Q1376-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 19 06:16:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

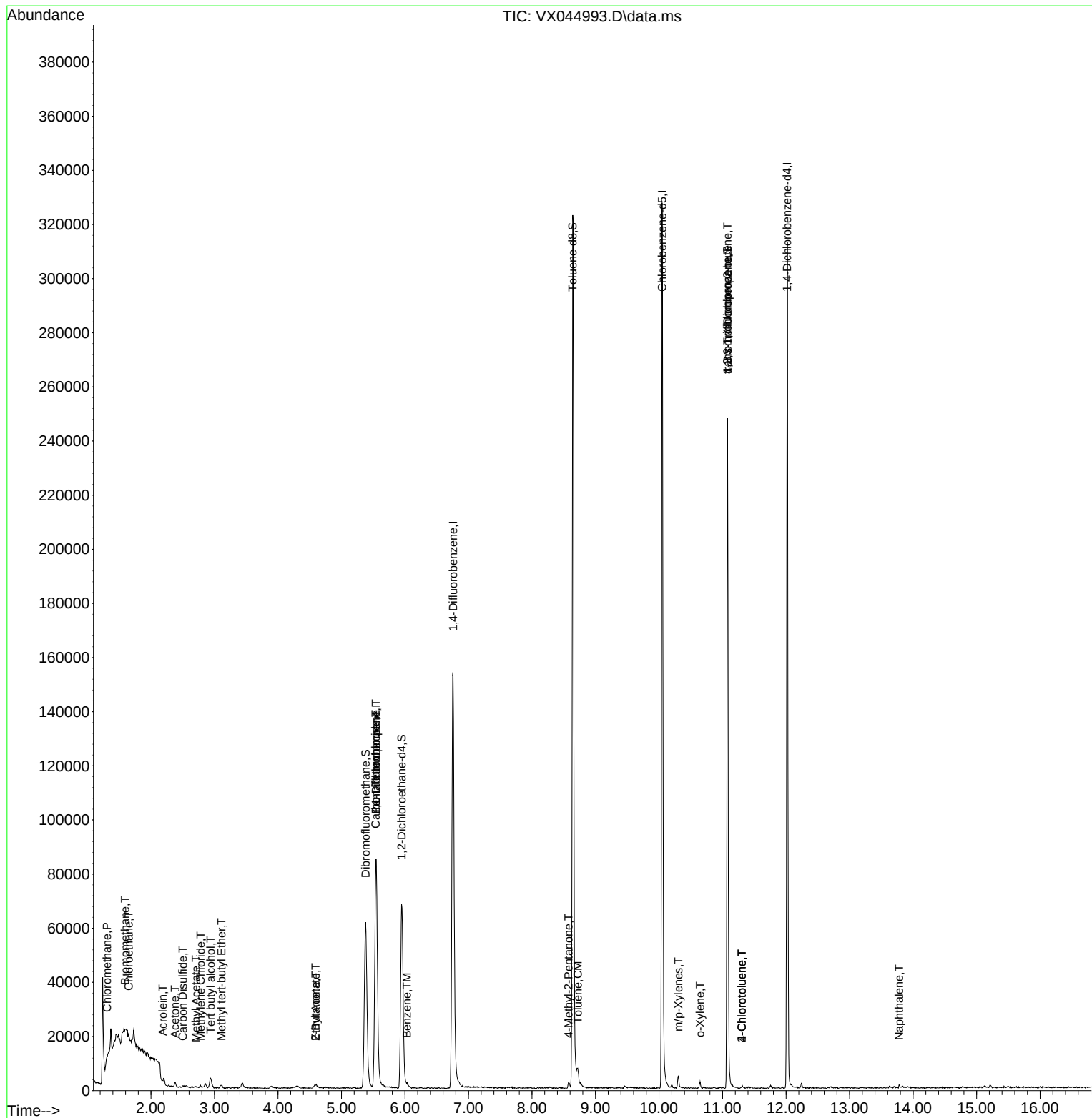
Internal Standards						
1) Pentafluorobenzene	5.544	168	81057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65113	54.877	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.760%	
35) Dibromofluoromethane	5.379	113	54297	51.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.040%	
50) Toluene-d8	8.641	98	204953	51.425	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	11.079	95	68212	50.769	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	511	0.369	ug/l #	42
5) Bromomethane	1.593	94	130	0.324	ug/l #	5
6) Chloroethane	1.648	64	6426	11.596	ug/l #	50
11) Tert butyl alcohol	2.940	59	2250	10.222	ug/l #	75
13) Acrolein	2.184	56	91	0.401	ug/l #	60
16) Acetone	2.380	43	2010	4.214	ug/l	96
17) Carbon Disulfide	2.501	76	915	0.319	ug/l #	76
18) Methyl Acetate	2.709	43	875	0.581	ug/l #	56
19) Methyl tert-butyl Ether	3.111	73	933	0.281	ug/l #	37
20) Methylene Chloride	2.782	84	299	0.256	ug/l #	68
25) 2-Butanone	4.593	43	2703	3.490	ug/l #	86
36) 1,1-Dichloropropene	5.544	75	7489	4.925	ug/l #	49
37) Ethyl Acetate	4.593	43	2703	1.598	ug/l #	69
38) Carbon Tetrachloride	5.538	117	8703	5.841	ug/l #	16
40) Benzene	6.031	78	1330	0.280	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	1713	1.032	ug/l	89
52) Toluene	8.720	92	1731	0.612	ug/l	95
68) m/p-Xylenes	10.305	106	1350	0.655	ug/l	97
69) o-Xylene	10.646	106	685	0.331	ug/l	73
76) 1,2,3-Trichloropropane	11.079	75	35868	27.083	ug/l #	34
79) 2-Chlorotoluene	11.305	91	810	0.237	ug/l #	42
81) trans-1,4-Dichloro-2-b...	11.079	75	35868	69.667	ug/l #	11
82) 4-Chlorotoluene	11.305	91	810	0.215	ug/l #	46
95) Naphthalene	13.780	128	984	0.228	ug/l #	88

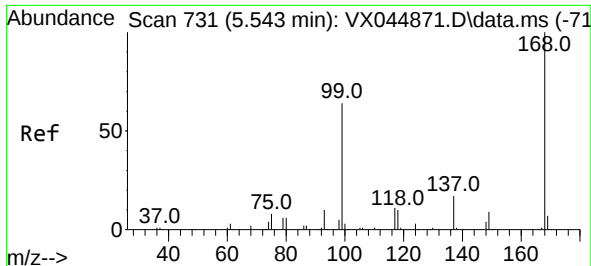
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044993.D
Acq On : 18 Feb 2025 17:17
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Sample : Q1376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

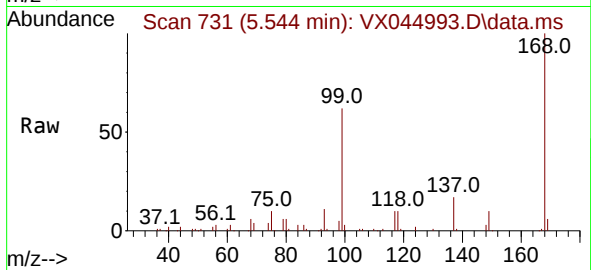
Quant Time: Feb 19 06:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



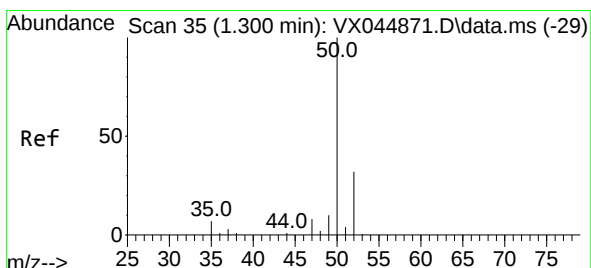
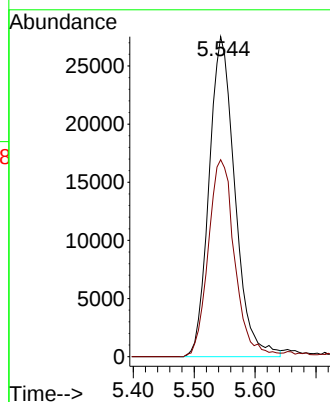
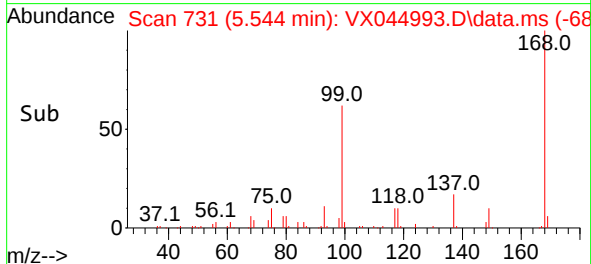


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :

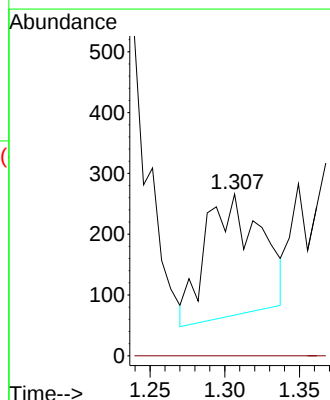
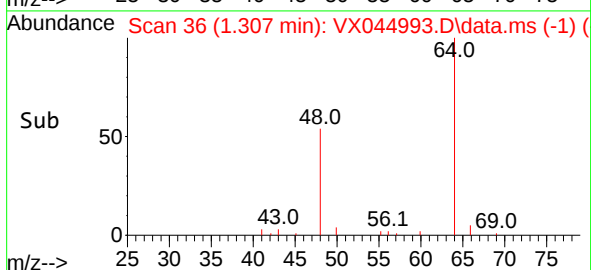
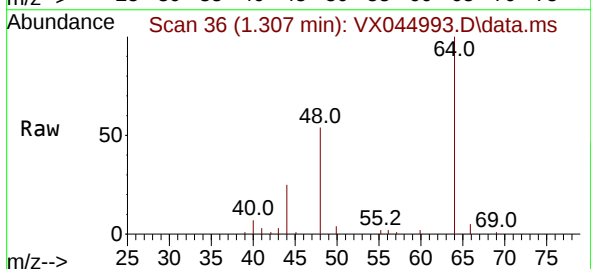


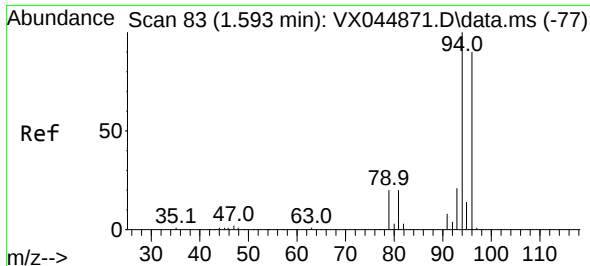
Tgt Ion:168 Resp: 81057
Ion Ratio Lower Upper
168 100
99 61.5 51.2 76.8



#3
Chloromethane
Concen: 0.369 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 50 Resp: 511
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

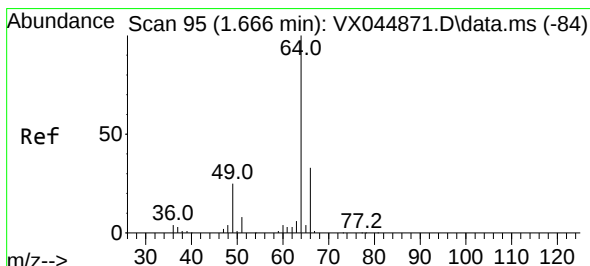
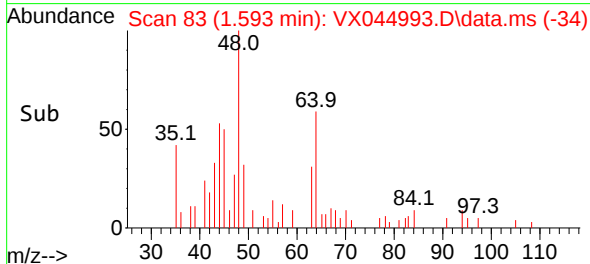
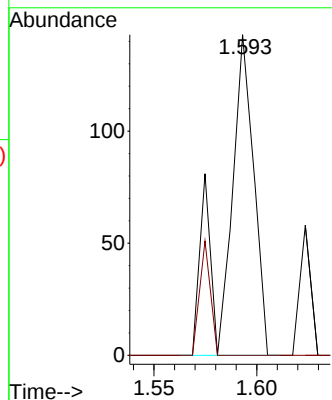
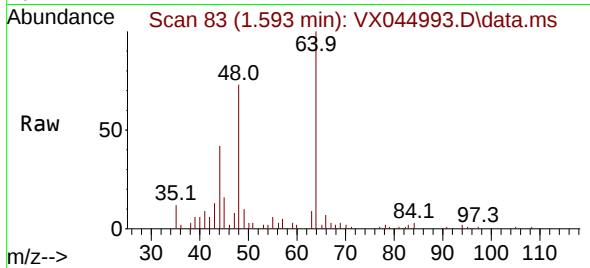




#5
Bromomethane
Concen: 0.324 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

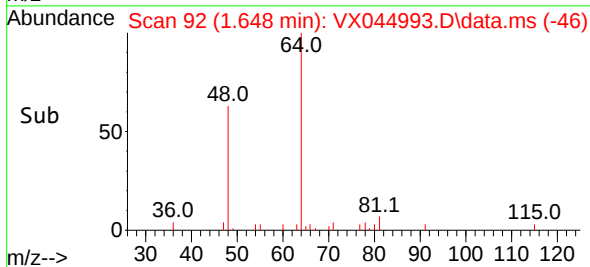
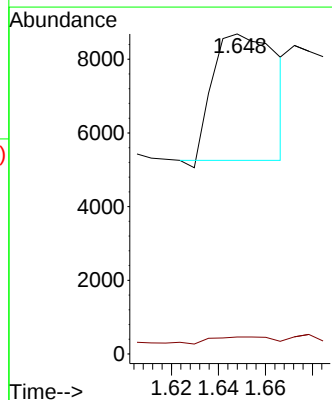
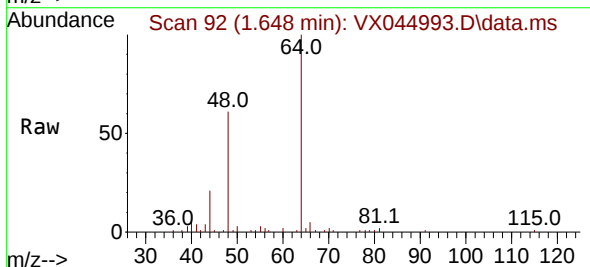
Instrument :
MSVOA_X
ClientSampleId :

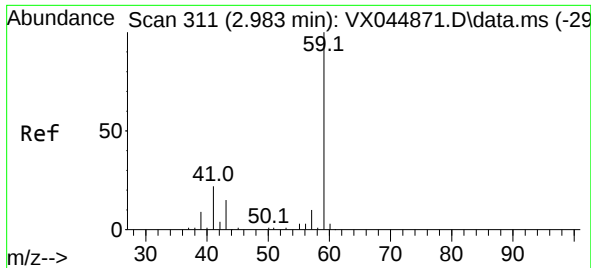
Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 0.0 71.6 107.4#



#6
Chloroethane
Concen: 11.596 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 64 Resp: 6426
Ion Ratio Lower Upper
64 100
66 4.2 25.9 38.9#

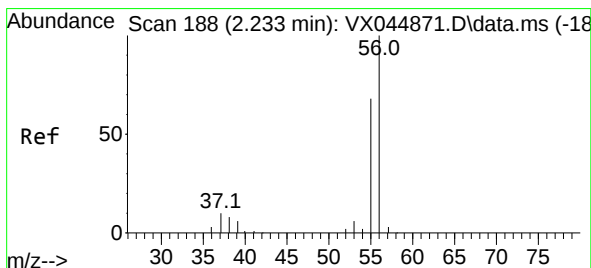
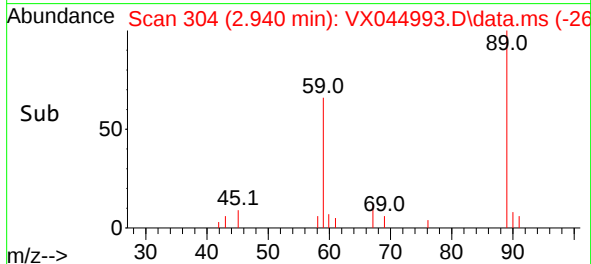
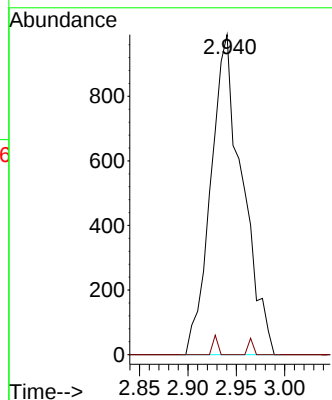
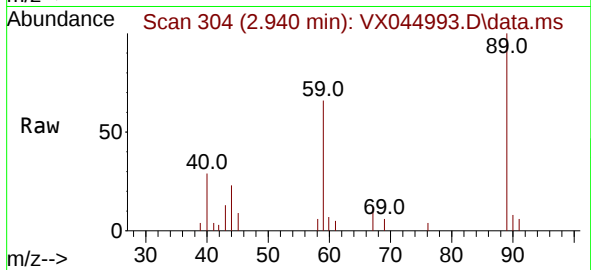




#11
Tert butyl alcohol
Concen: 10.222 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.042 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

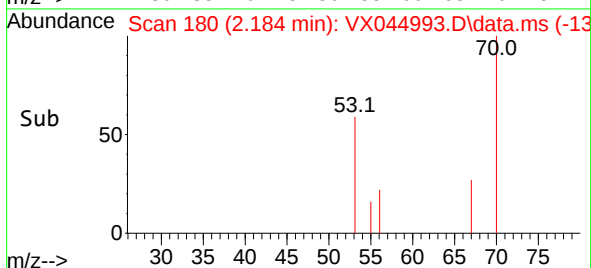
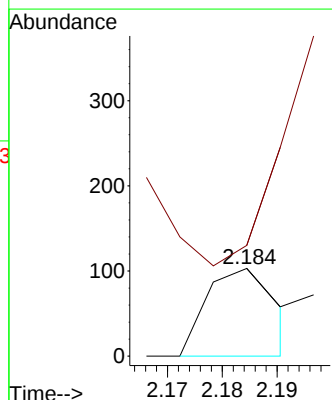
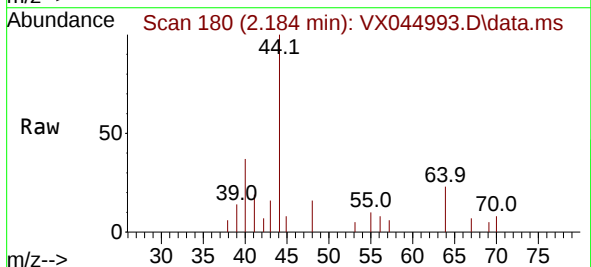
Instrument :
MSVOA_X
ClientSampleId :

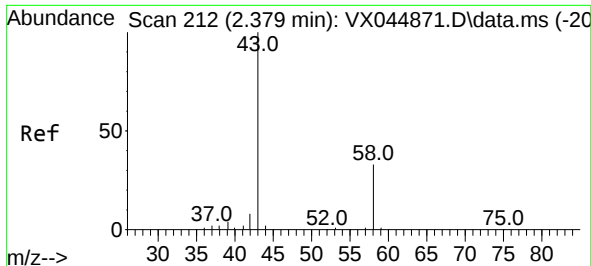
Tgt Ion: 59 Resp: 2250
Ion Ratio Lower Upper
59 100
57 1.0 8.1 12.1#



#13
Acrolein
Concen: 0.401 ug/l
RT: 2.184 min Scan# 180
Delta R.T. -0.049 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 102.2 55.7 83.5#

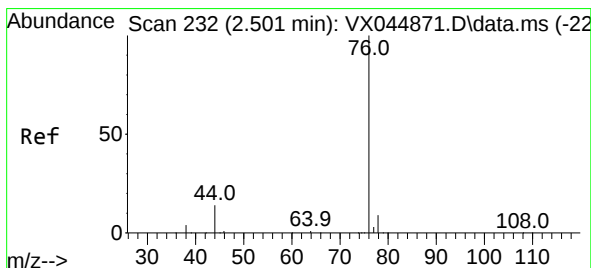
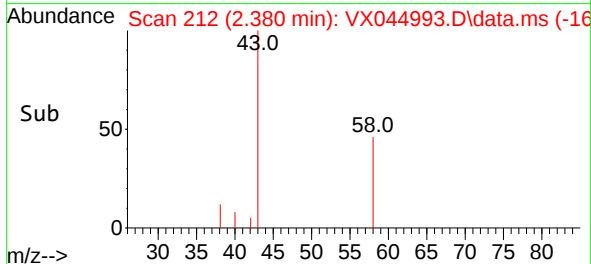
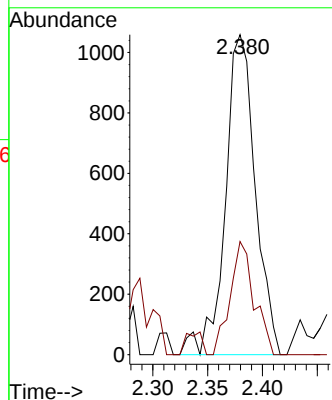
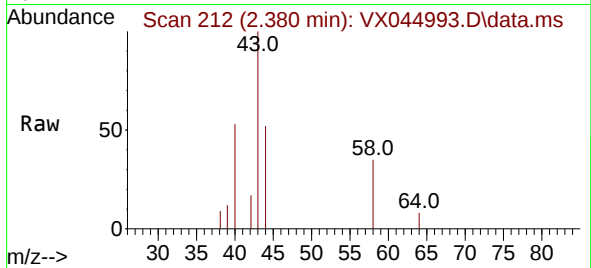




#16
Acetone
Concen: 4.214 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

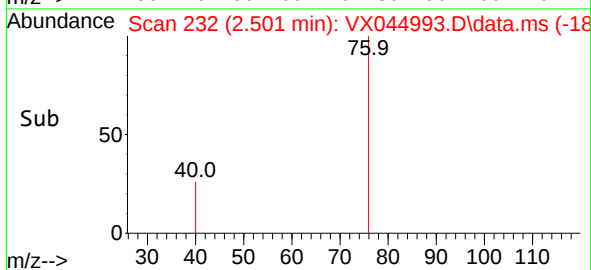
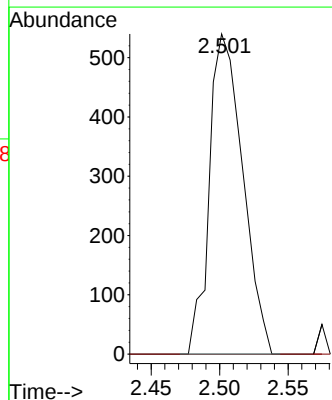
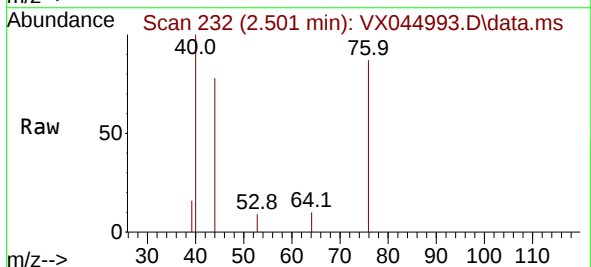
Instrument :
MSVOA_X
ClientSampleId :

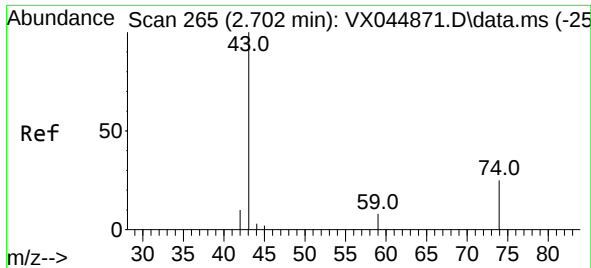
Tgt Ion: 43 Resp: 2010
Ion Ratio Lower Upper
43 100
58 35.3 26.5 39.7



#17
Carbon Disulfide
Concen: 0.319 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 76 Resp: 915
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

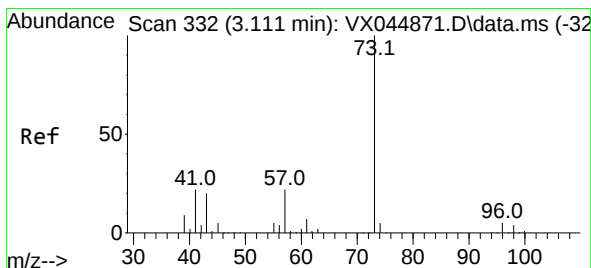
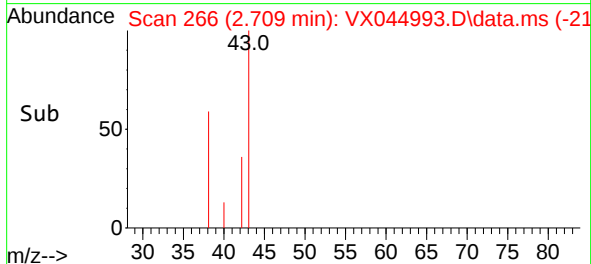
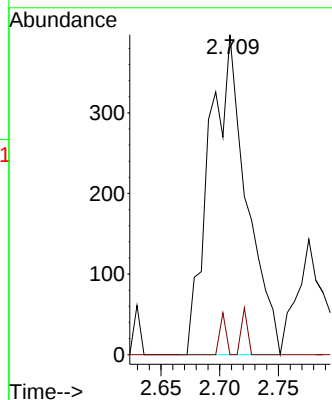
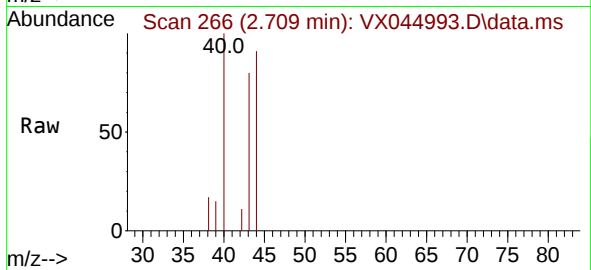




#18
Methyl Acetate
Concen: 0.581 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

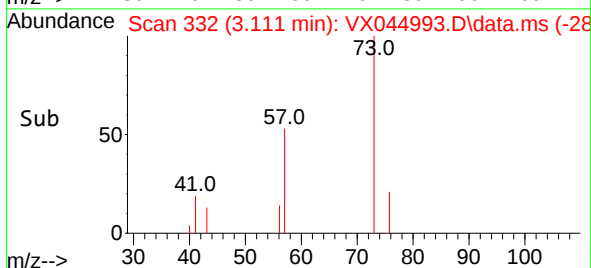
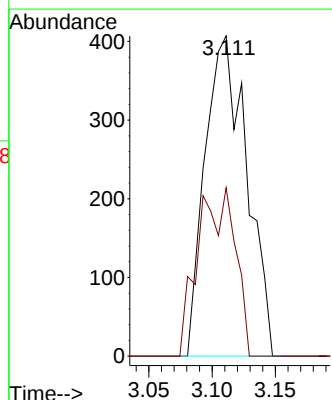
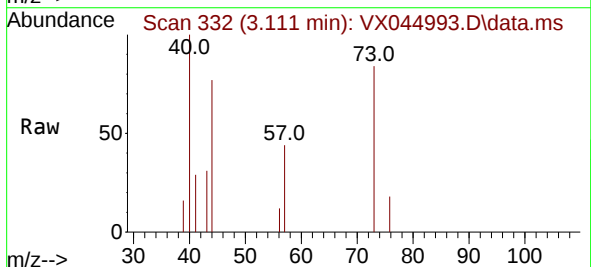
Instrument :
MSVOA_X
ClientSampleId :

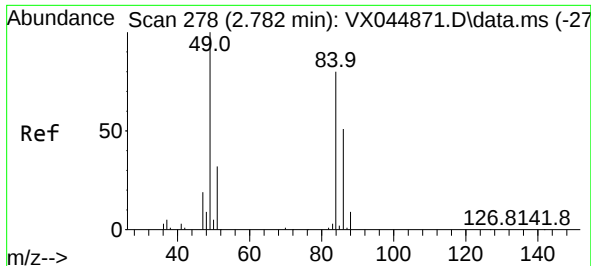
Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
74 2.2 18.9 28.3#



#19
Methyl tert-butyl Ether
Concen: 0.281 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

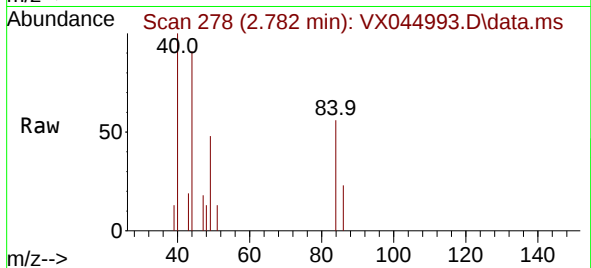
Tgt Ion: 73 Resp: 933
Ion Ratio Lower Upper
73 100
57 52.6 17.9 26.9#



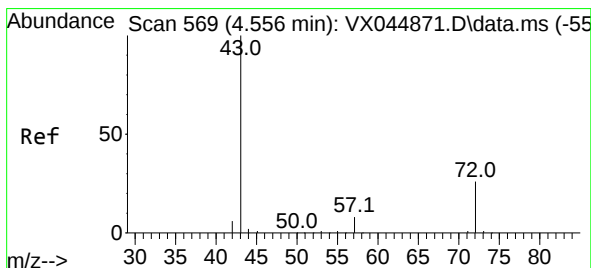
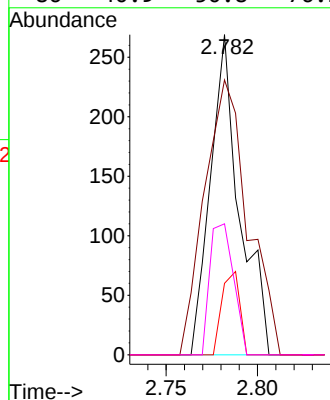
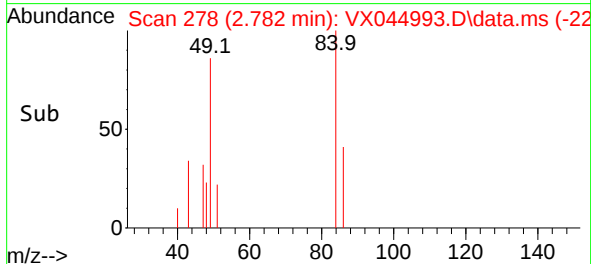


#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :

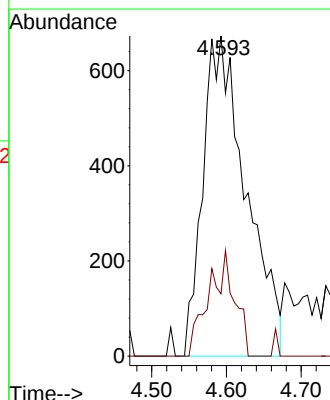
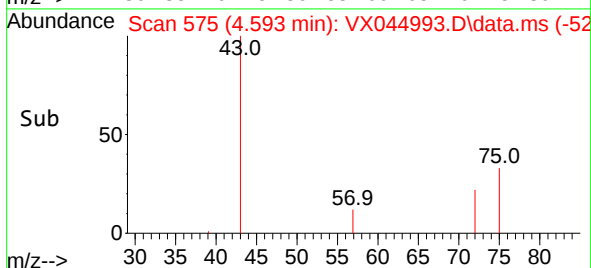
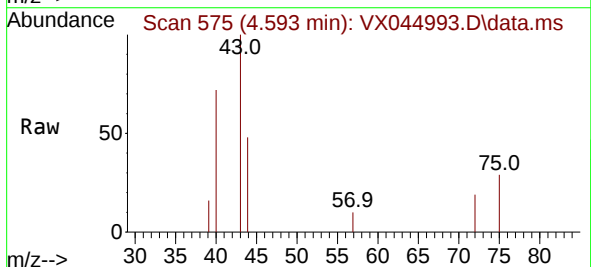


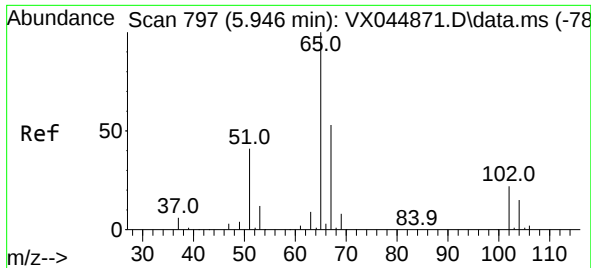
Tgt Ion:	84	Resp:	299
Ion	Ratio	Lower	Upper
84	100		
49	85.9	100.1	150.1#
51	22.3	31.7	47.5#
86	40.9	50.8	76.2#



#25
2-Butanone
Concen: 3.490 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion:	43	Resp:	2703
Ion	Ratio	Lower	Upper
43	100		
72	19.5	21.2	31.8#

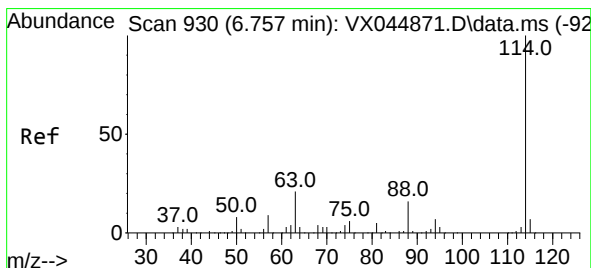
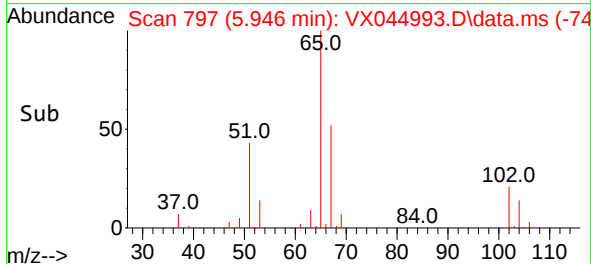
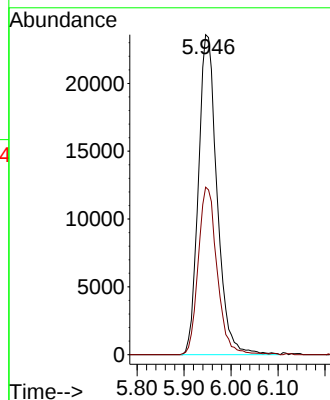
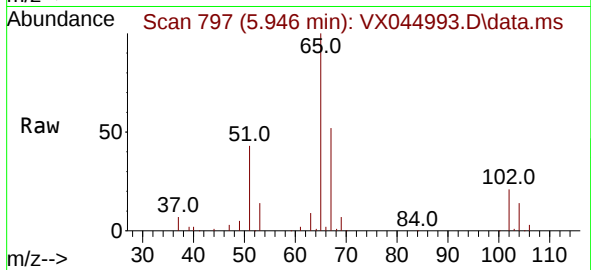




#33
 1,2-Dichloroethane-d4
 Concen: 54.877 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044993.D
 Acq: 18 Feb 2025 17:17

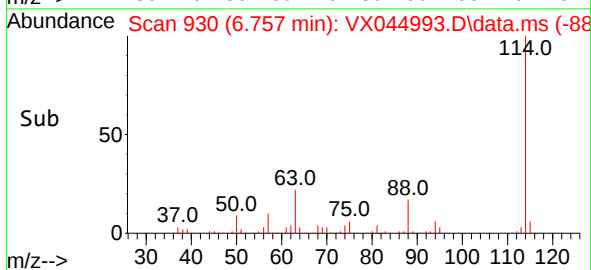
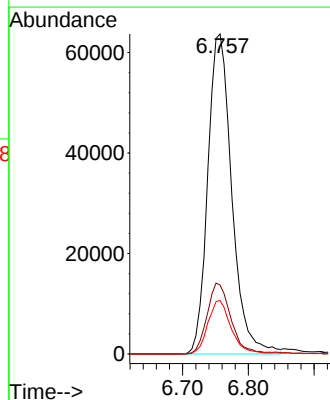
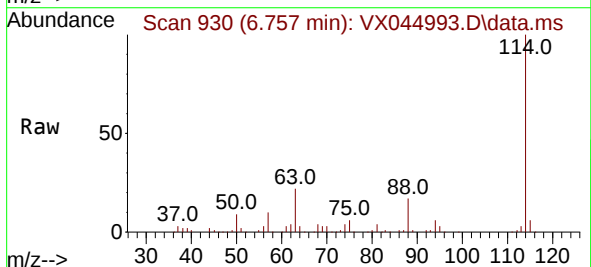
Instrument :
 MSVOA_X
 ClientSampleId :

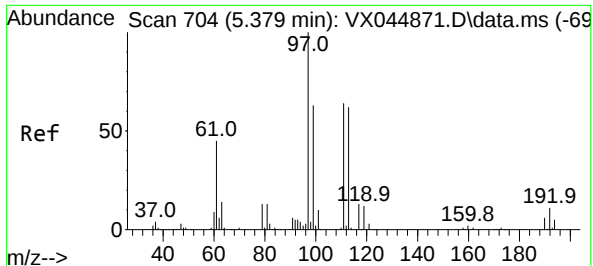
Tgt Ion: 65 Resp: 65113
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044993.D
 Acq: 18 Feb 2025 17:17

Tgt Ion: 114 Resp: 162106
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.4
 88 16.7 0.0 31.4

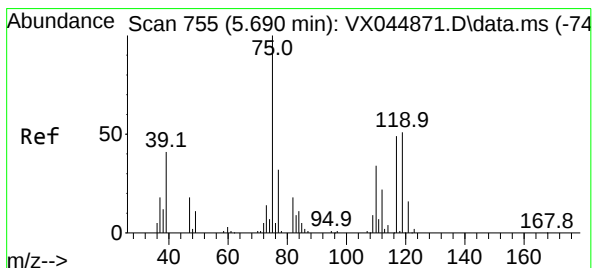
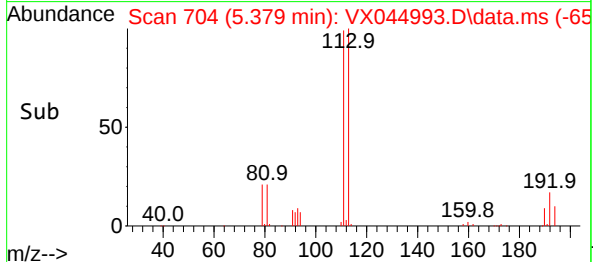
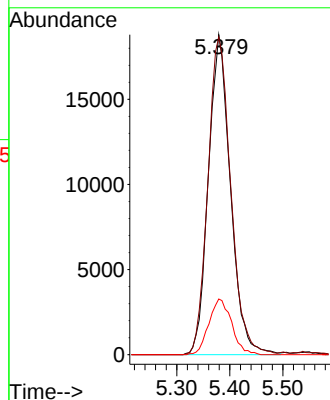
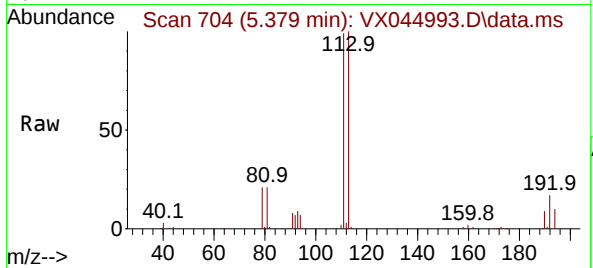




#35
Dibromofluoromethane
Concen: 51.517 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

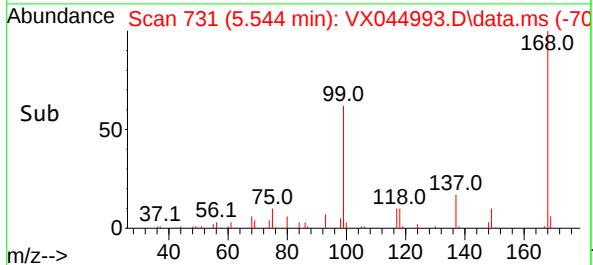
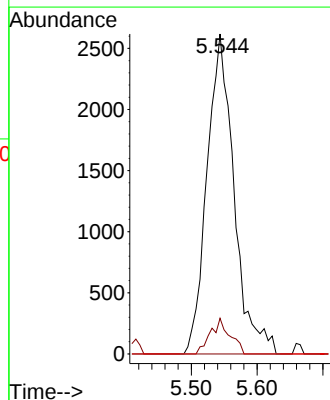
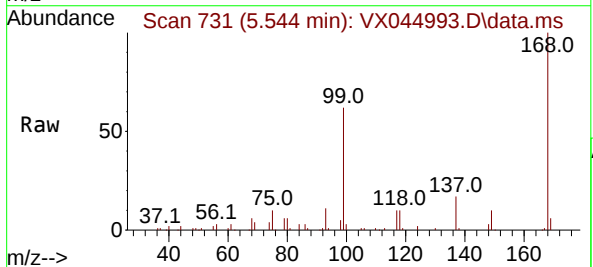
Instrument :
MSVOA_X
ClientSampleId :

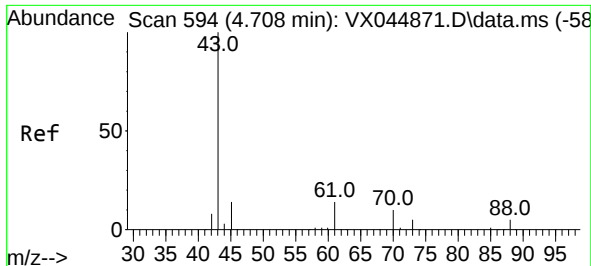
Tgt Ion:113 Resp: 54297
Ion Ratio Lower Upper
113 100
111 103.1 83.5 125.3
192 18.0 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 75 Resp: 7489
Ion Ratio Lower Upper
75 100
110 8.0 17.2 51.6#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.598 ug/l

RT: 4.593 min Scan# 51

Delta R.T. -0.116 min

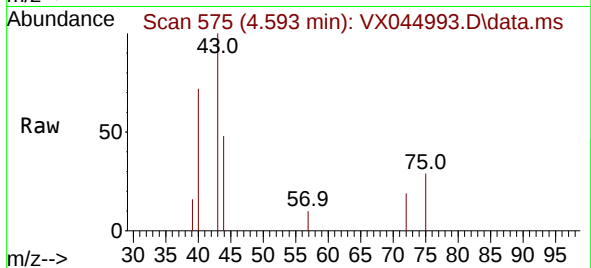
Lab File: VX044993.D

Acq: 18 Feb 2025 17:17

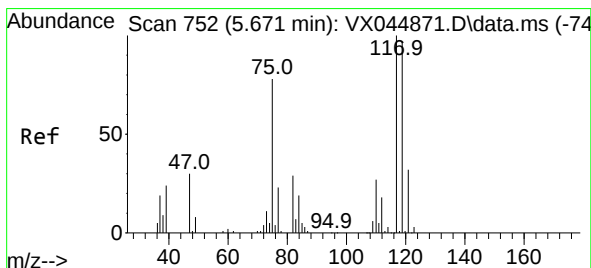
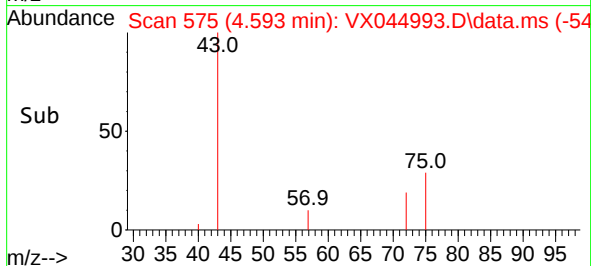
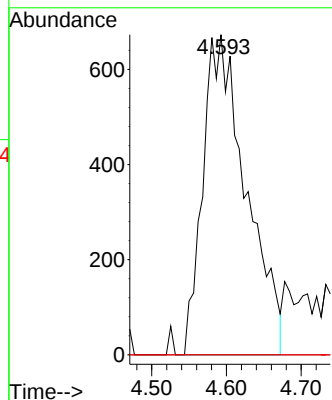
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2703
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	8.2	12.2#



#38

Carbon Tetrachloride

Concen: 5.841 ug/l

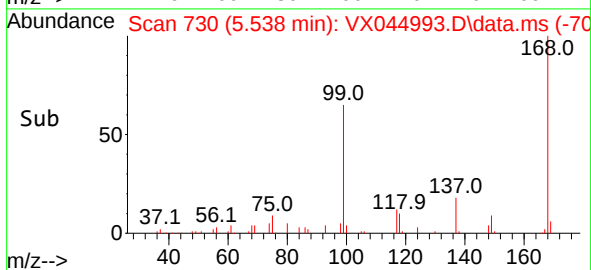
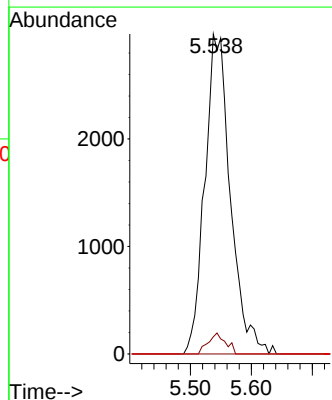
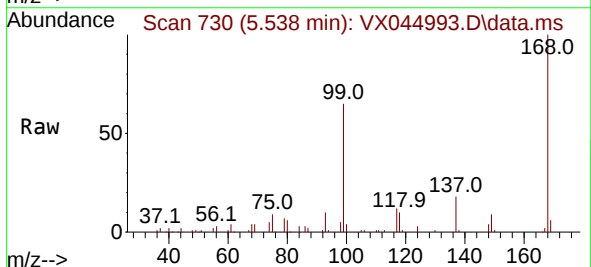
RT: 5.538 min Scan# 730

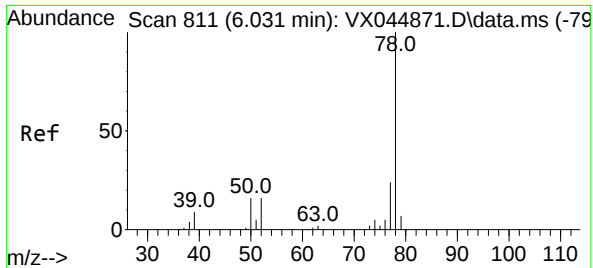
Delta R.T. -0.134 min

Lab File: VX044993.D

Acq: 18 Feb 2025 17:17

Tgt Ion:	117	Resp:	8703
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.5	116.3#
121	0.0	25.6	38.4#

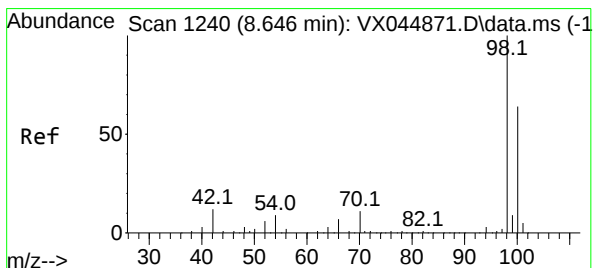
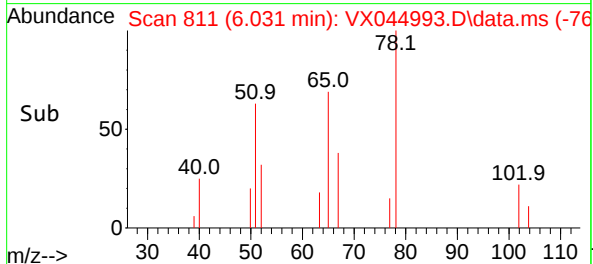
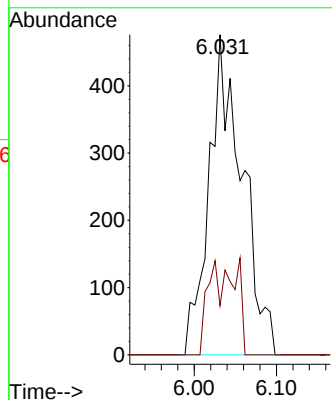
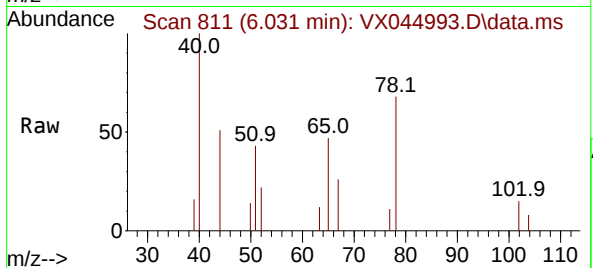




#40
Benzene
Concen: 0.280 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

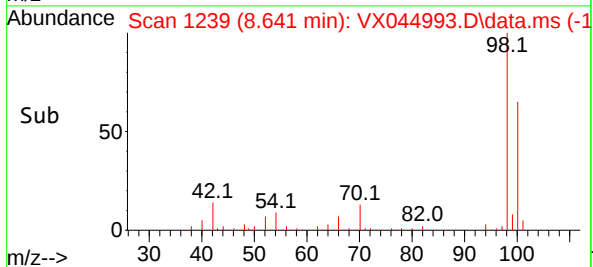
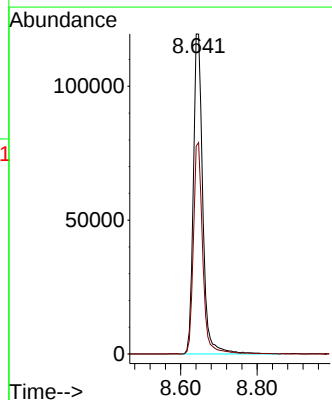
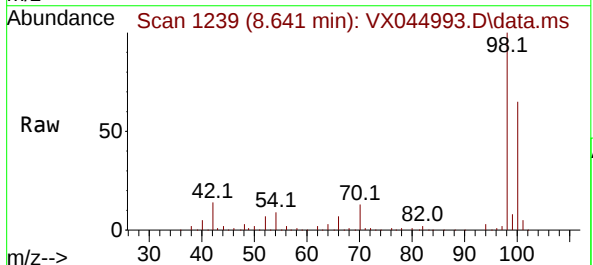
Instrument :
MSVOA_X
ClientSampleId :

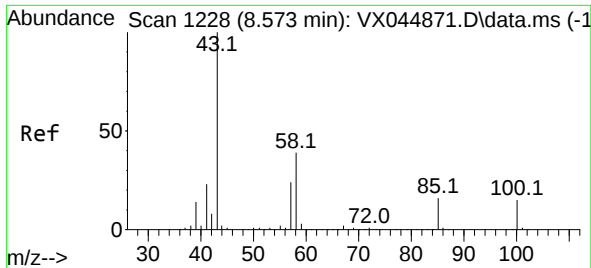
Tgt Ion: 78 Resp: 1330
Ion Ratio Lower Upper
78 100
77 15.3 19.0 28.6#



#50
Toluene-d8
Concen: 51.425 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 98 Resp: 204953
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1

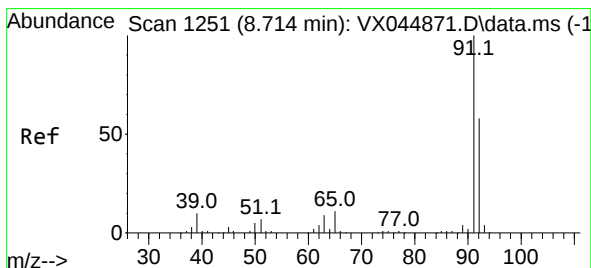
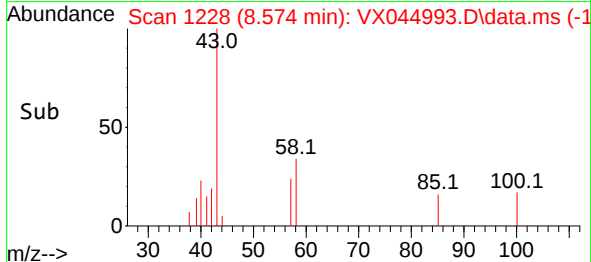
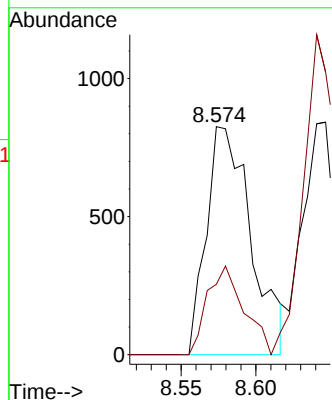
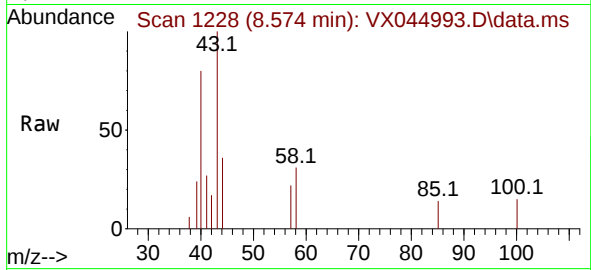




#51
4-Methyl-2-Pentanone
Concen: 1.032 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

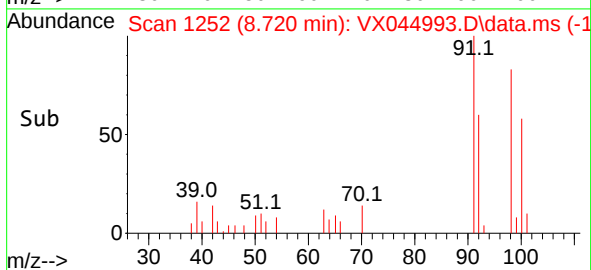
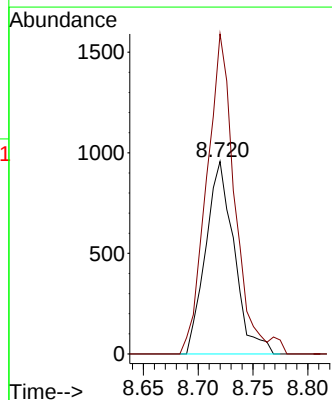
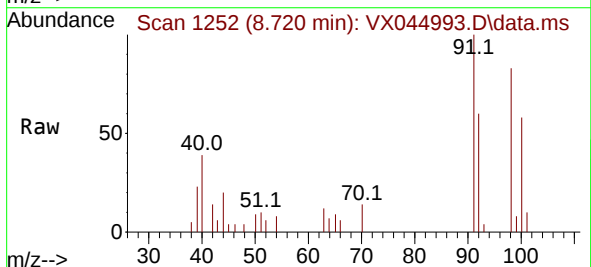
Instrument :
MSVOA_X
ClientSampleId :

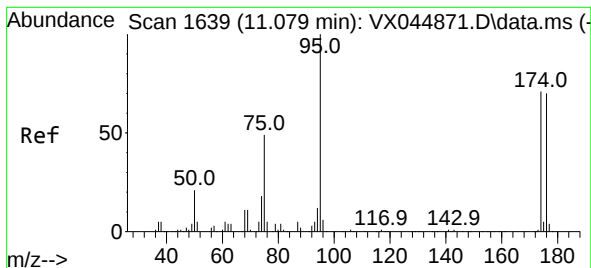
Tgt Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
58 31.9 30.8 46.2



#52
Toluene
Concen: 0.612 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 92 Resp: 1731
Ion Ratio Lower Upper
92 100
91 165.3 137.4 206.2

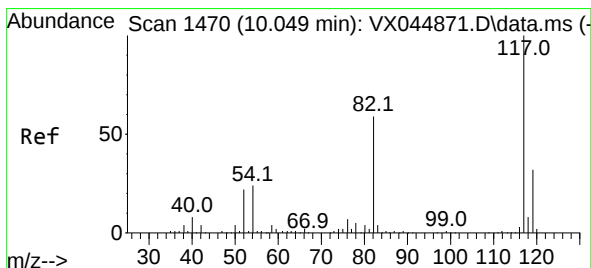
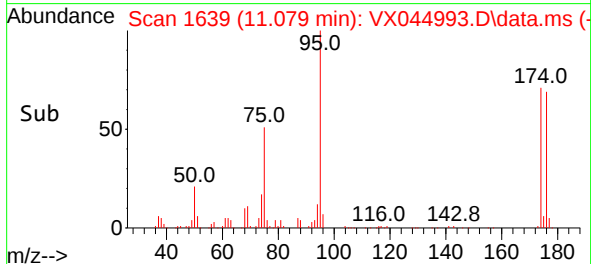
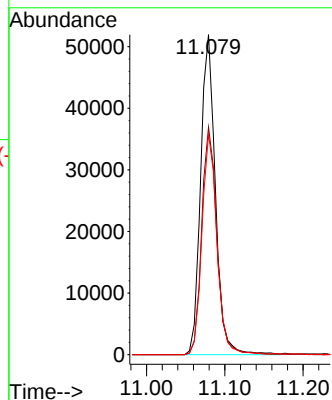
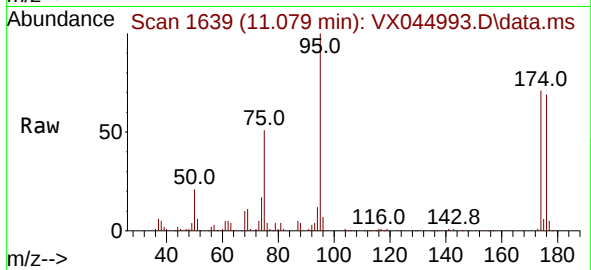




#62
4-Bromofluorobenzene
Concen: 50.769 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

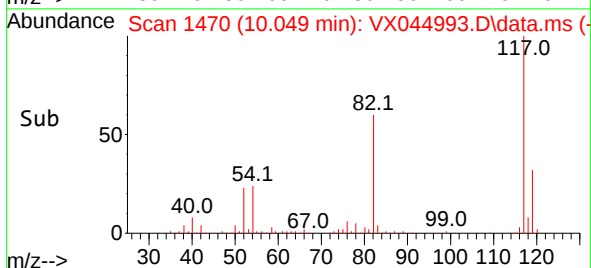
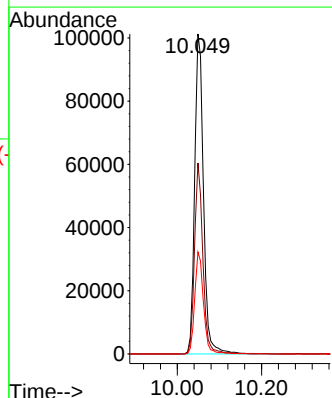
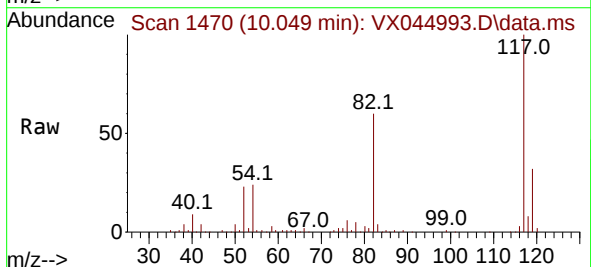
Instrument :
MSVOA_X
ClientSampleId :

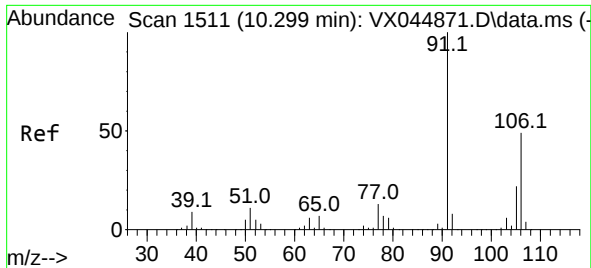
Tgt Ion: 95 Resp: 68212
Ion Ratio Lower Upper
95 100
174 72.9 0.0 142.6
176 69.7 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 117 Resp: 147456
Ion Ratio Lower Upper
117 100
82 59.7 47.5 71.3
119 31.9 25.4 38.0

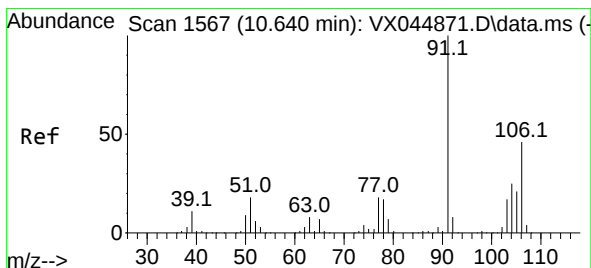
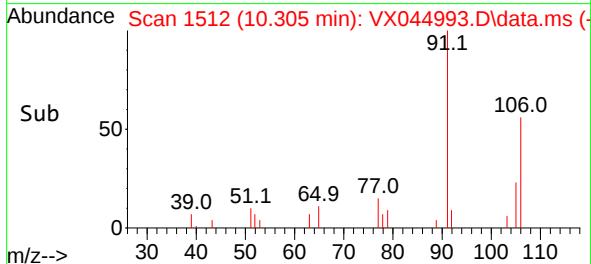
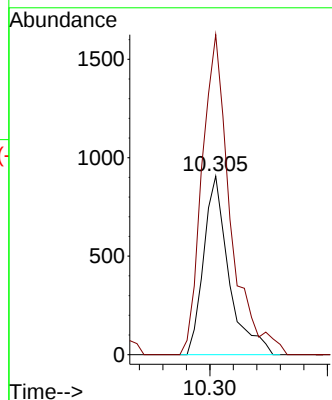
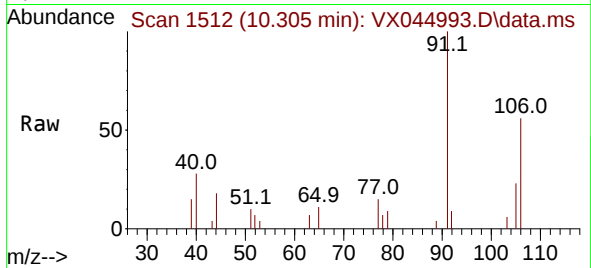




#68
m/p-Xylenes
Concen: 0.655 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

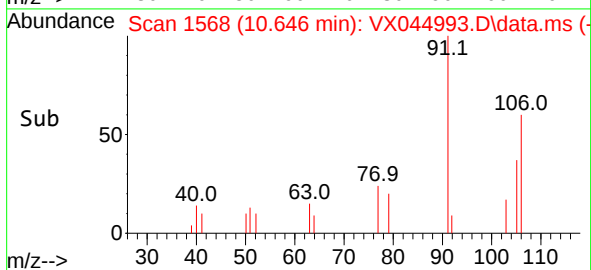
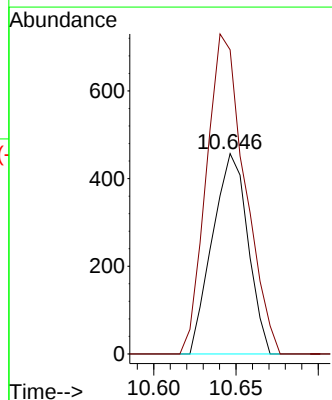
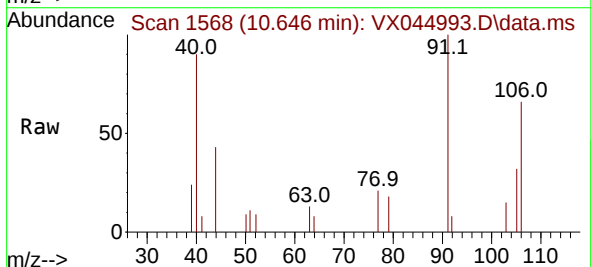
Instrument :
MSVOA_X
ClientSampleId :

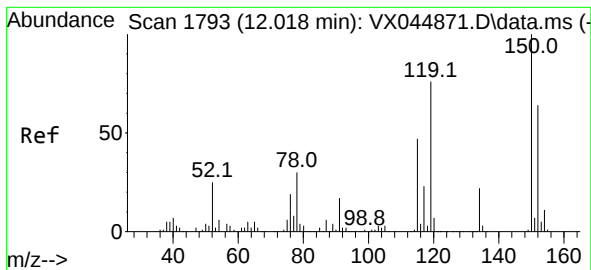
Tgt Ion:106 Resp: 1350
Ion Ratio Lower Upper
106 100
91 201.0 164.3 246.5



#69
o-Xylene
Concen: 0.331 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion:106 Resp: 685
Ion Ratio Lower Upper
106 100
91 173.4 108.5 325.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044993.D

Acq: 18 Feb 2025 17:17

Instrument :

MSVOA_X

ClientSampleId :

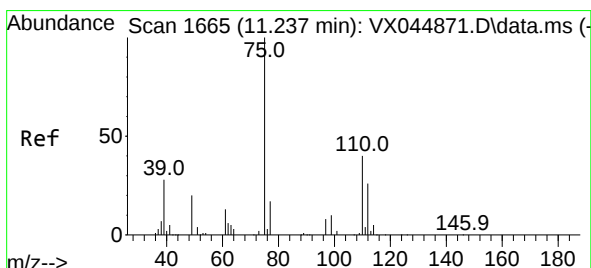
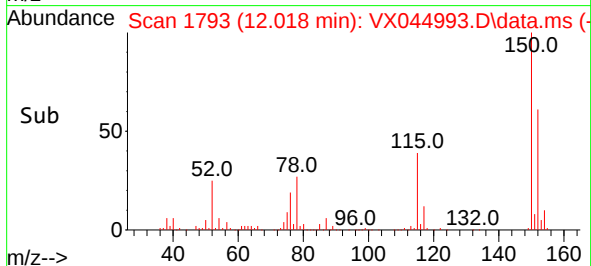
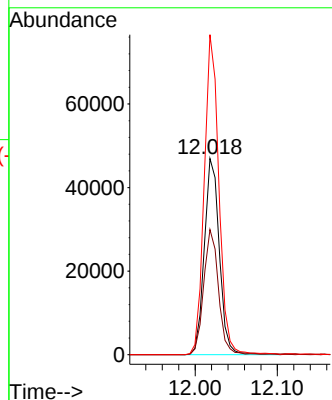
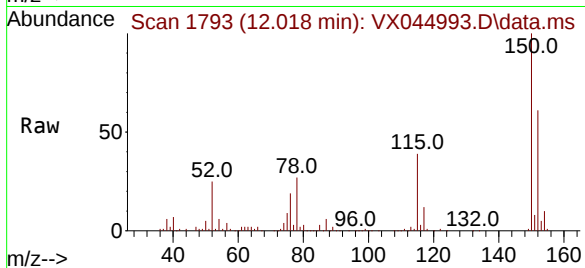
Tgt Ion:152 Resp: 59734

Ion Ratio Lower Upper

152 100

115 63.0 43.4 130.1

150 158.9 0.0 350.4



#76

1,2,3-Trichloropropane

Concen: 27.083 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX044993.D

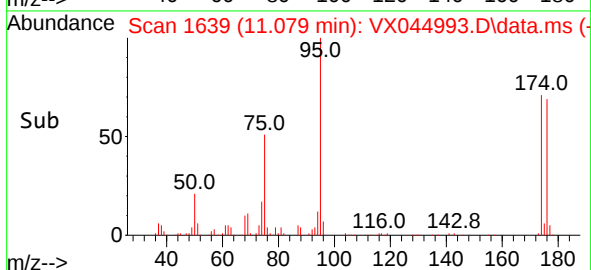
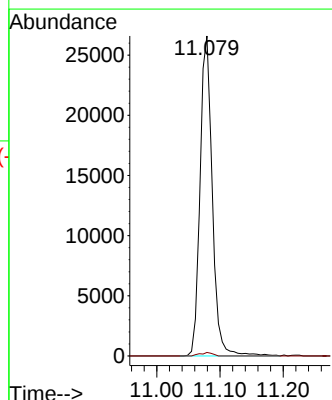
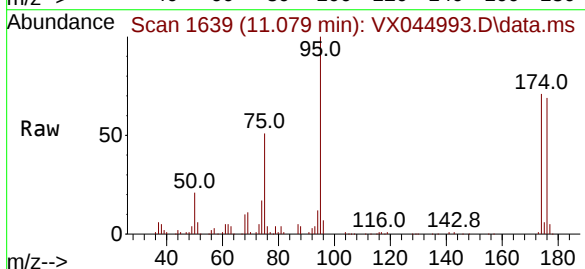
Acq: 18 Feb 2025 17:17

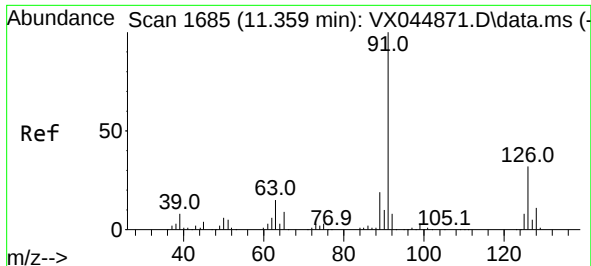
Tgt Ion: 75 Resp: 35868

Ion Ratio Lower Upper

75 100

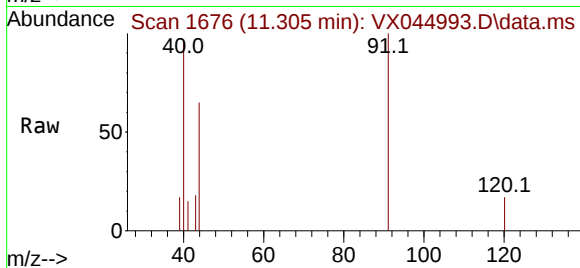
77 1.1 21.9 65.7#



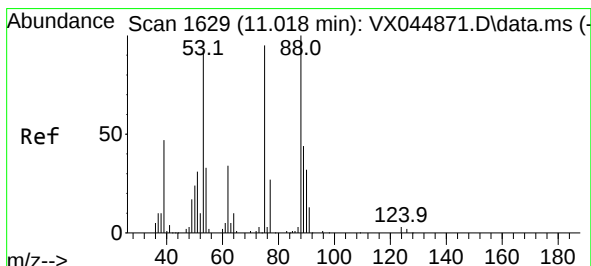
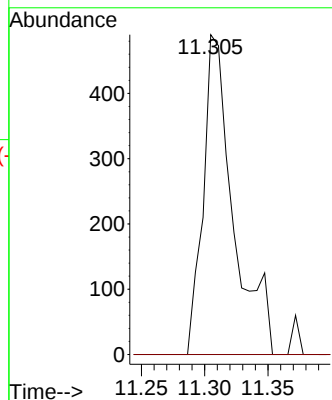
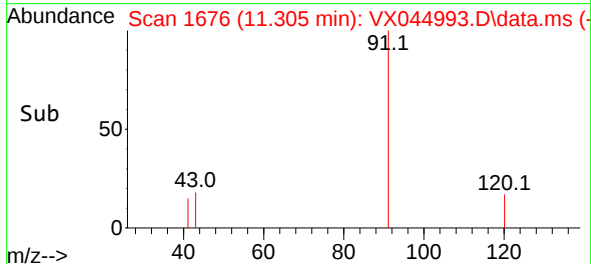


#79
2-Chlorotoluene
Concen: 0.237 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.055 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :

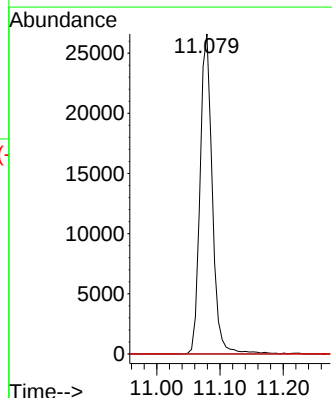
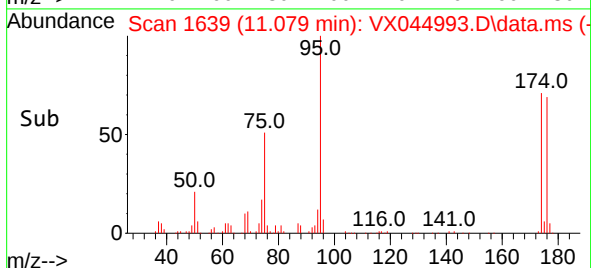
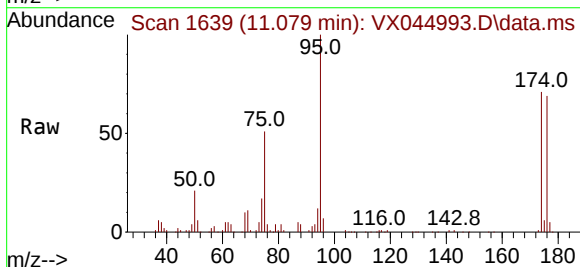


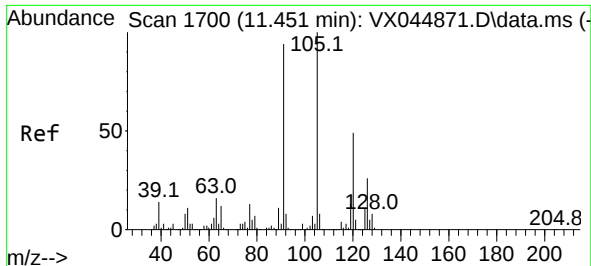
Tgt Ion: 91 Resp: 810
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.667 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

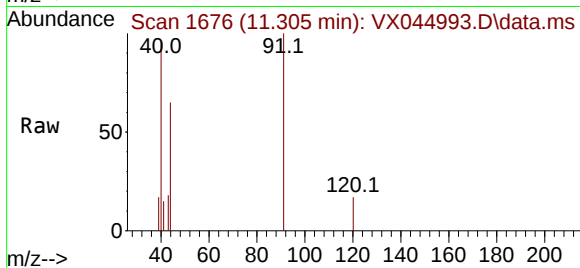
Tgt Ion: 75 Resp: 35868
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#



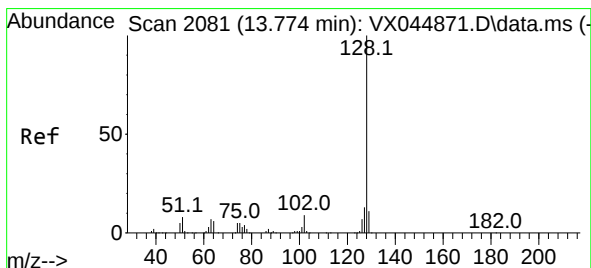
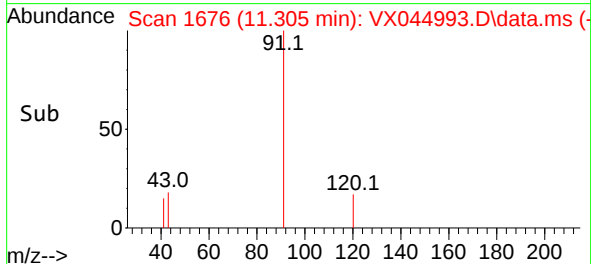
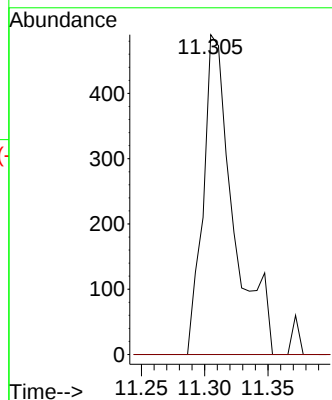


#82
4-Chlorotoluene
Concen: 0.215 ug/l
RT: 11.305 min Scan# 1
Delta R.T. -0.146 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 91 Resp: 810
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#



#95
Naphthalene
Concen: 0.228 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 128 Resp: 984
Ion Ratio Lower Upper
128 100
127 8.9 10.1 15.1#
129 5.5 8.9 13.3#

