

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044818.D
 Acq On : 03 Feb 2025 16:32
 Operator : JC/MD
 Sample : Q1232-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 04 02:11:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

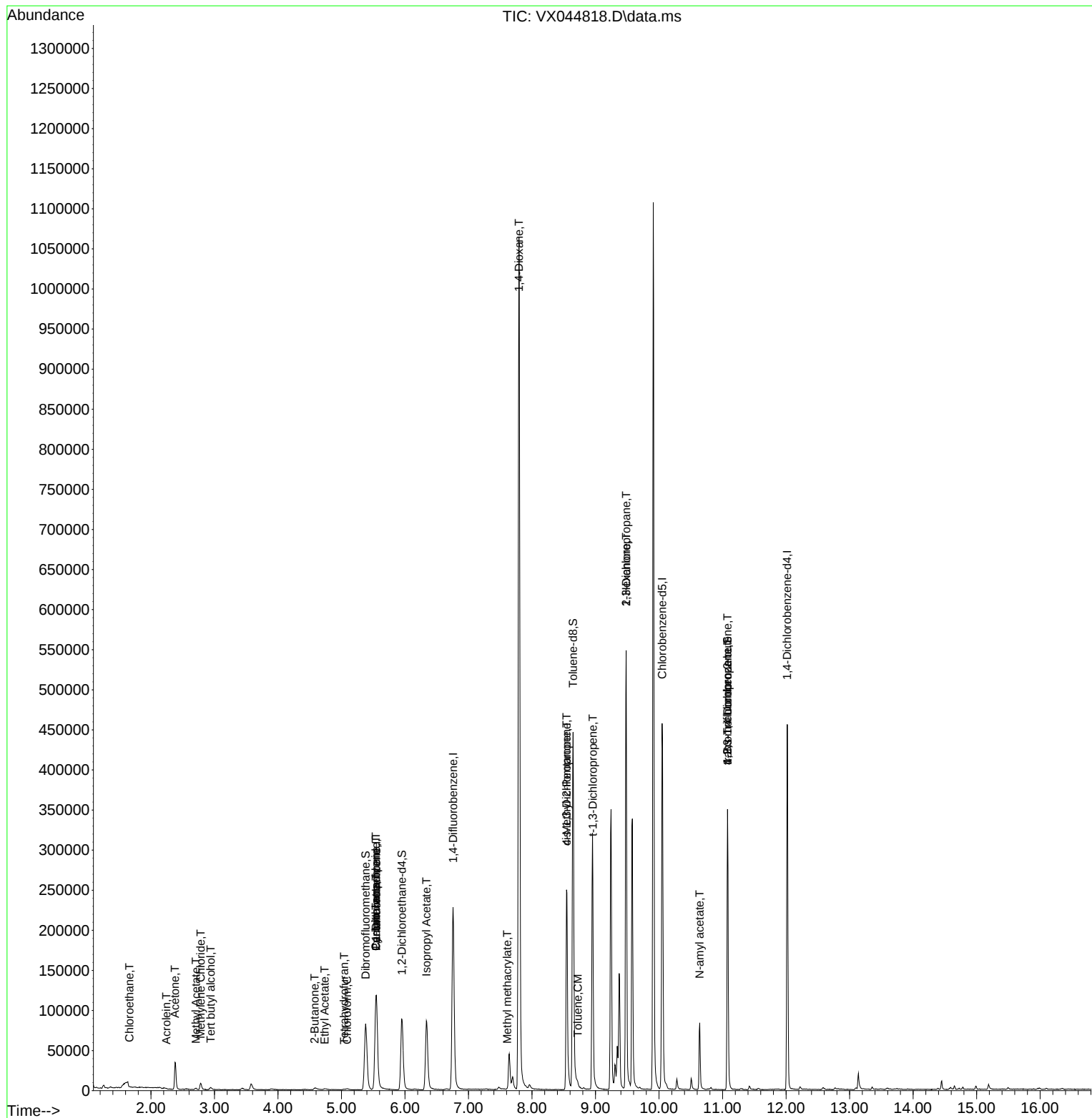
Internal Standards						
1) Pentafluorobenzene	5.549	168	118473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	210118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82961	46.392	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.780%
35) Dibromofluoromethane	5.379	113	73382	48.706	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.420%
50) Toluene-d8	8.646	98	280393	53.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.740%
62) 4-Bromofluorobenzene	11.079	95	98683	50.391	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.780%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	225	0.720	ug/l #	41
11) Tert butyl alcohol	2.940	59	1791	4.493	ug/l #	85
13) Acrolein	2.239	56	126	0.672	ug/l #	15
16) Acetone	2.379	43	36355	51.384	ug/l	97
18) Methyl Acetate	2.708	43	2564	1.175	ug/l #	86
20) Methylene Chloride	2.782	84	4091	2.483	ug/l #	92
25) 2-Butanone	4.574	43	4084	3.882	ug/l	94
29) Tetrahydrofuran	5.043	42	628	0.926	ug/l #	38
30) Chloroform	5.086	83	1457	0.519	ug/l #	82
31) Cyclohexane	5.543	56	2603	1.156	ug/l #	12
36) 1,1-Dichloropropene	5.543	75	9700	4.625	ug/l #	48
37) Ethyl Acetate	4.732	43	2703	1.210	ug/l #	82
38) Carbon Tetrachloride	5.543	117	12724	5.394	ug/l #	18
43) Isopropyl Acetate	6.336	43	125480	30.541	ug/l	98
48) Methyl methacrylate	7.610	41	2704	1.418	ug/l #	14
49) 1,4-Dioxane	7.793	88	94	2.362	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	94302	41.533	ug/l #	49
52) Toluene	8.720	92	1176	0.296	ug/l	100
53) t-1,3-Dichloropropene	8.957	75	758	0.287	ug/l #	44
54) cis-1,3-Dichloropropene	8.543	75	43891	15.341	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	5175	1.888	ug/l #	42
59) 2-Hexanone	9.482	43	66558	39.845	ug/l #	52
74) N-amyl acetate	10.640	43	21611	5.957	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	49105	22.459	ug/l #	31
81) trans-1,4-Dichloro-2-b...	11.079	75	49105	51.361	ug/l #	12

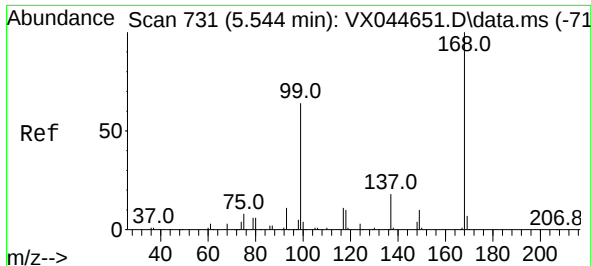
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 04 02:11:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

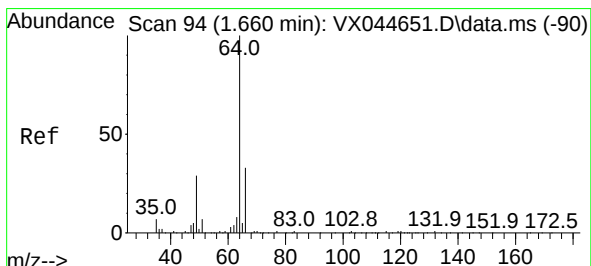
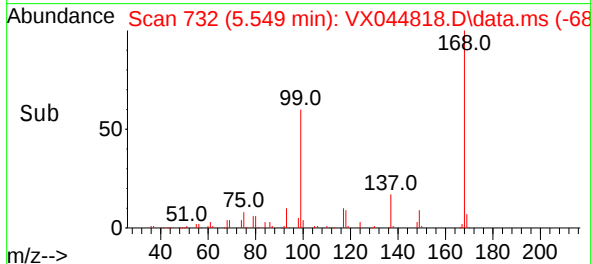
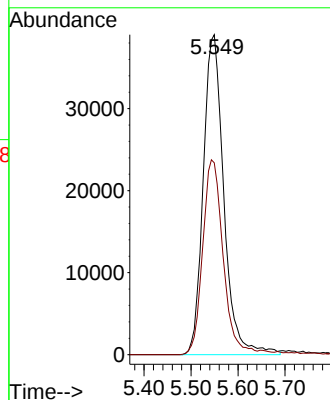
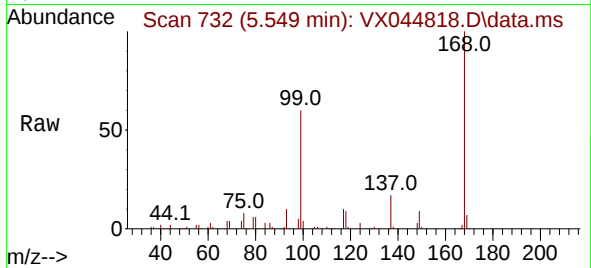




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

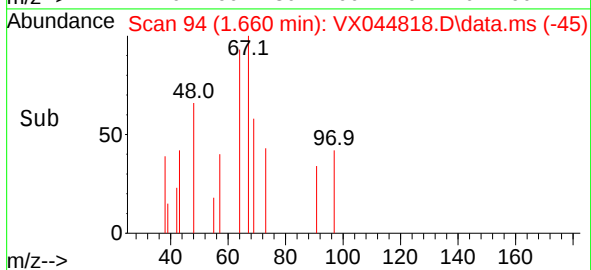
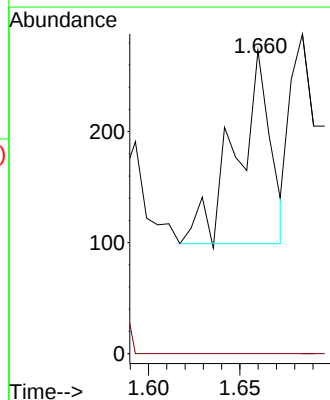
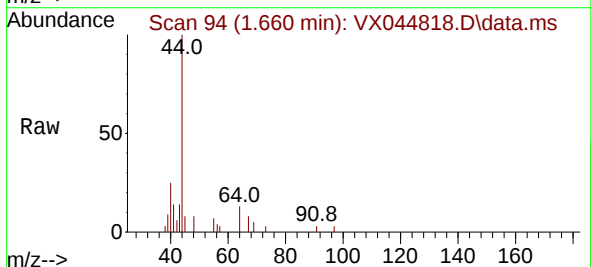
Instrument :
MSVOA_X
ClientSampleId :

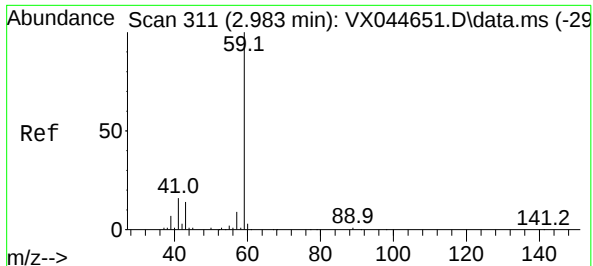
Tgt Ion:168 Resp: 118473
Ion Ratio Lower Upper
168 100
99 60.0 51.1 76.7



#6
Chloroethane
Concen: 0.720 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

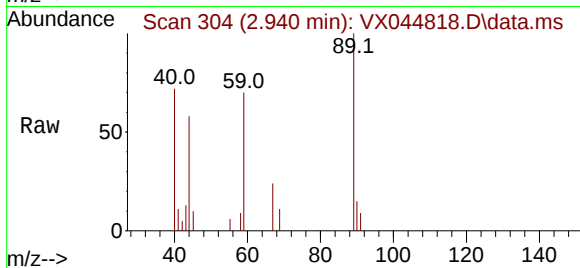
Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



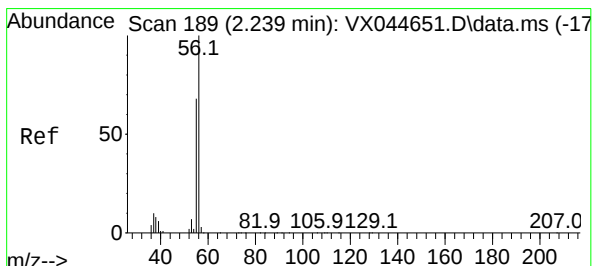
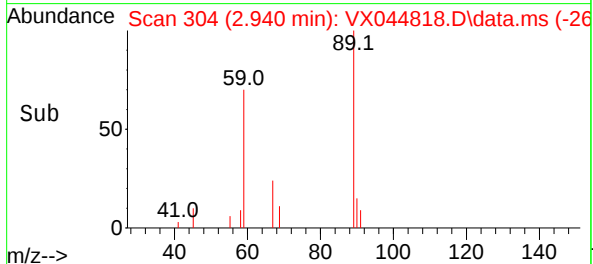
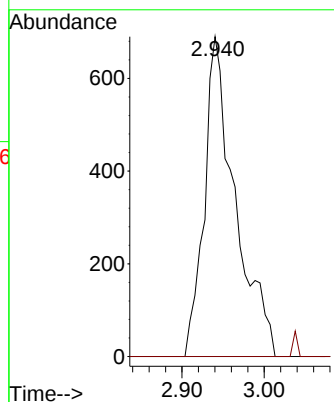


#11
Tert butyl alcohol
Concen: 4.493 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :

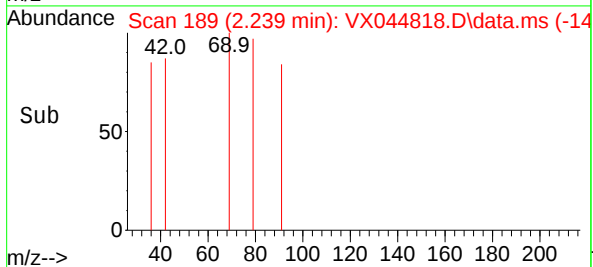
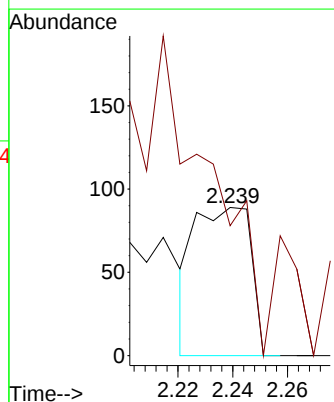
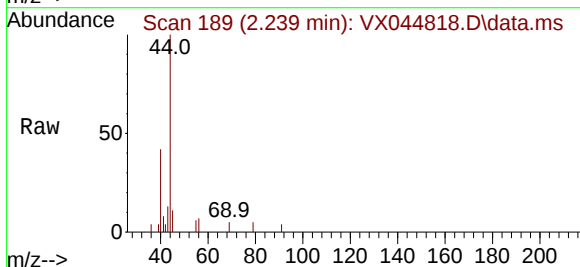


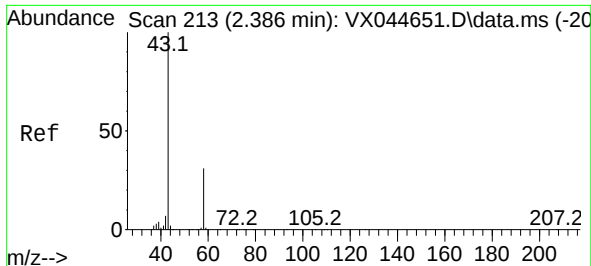
Tgt Ion: 59 Resp: 1791
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



#13
Acrolein
Concen: 0.672 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

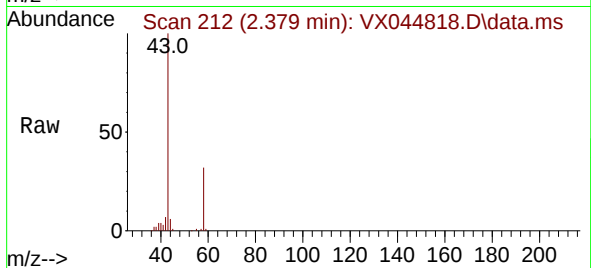
Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



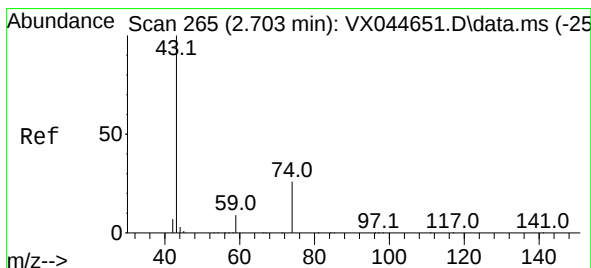
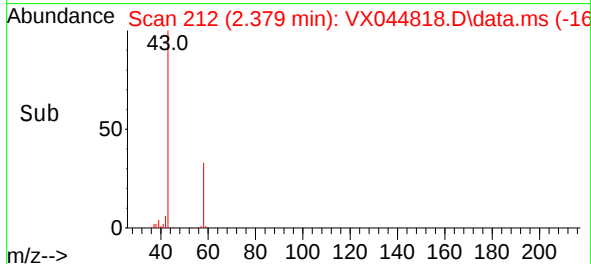
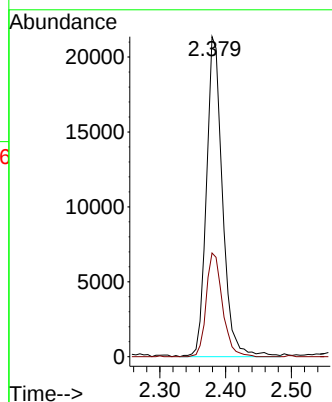


#16
Acetone
Concen: 51.384 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :

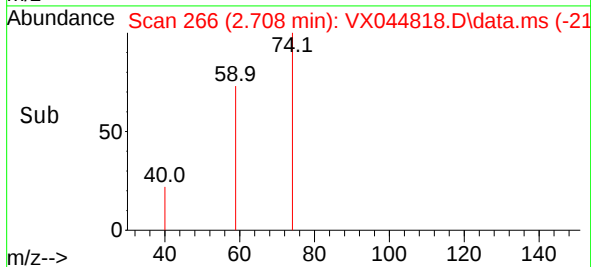
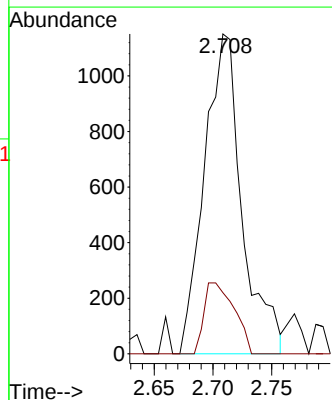
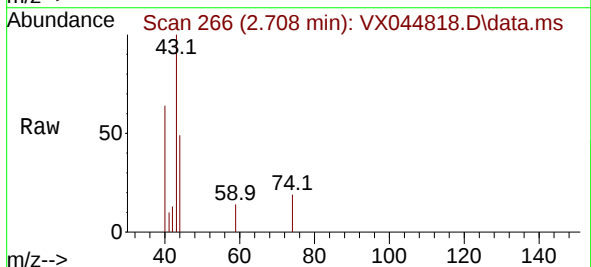


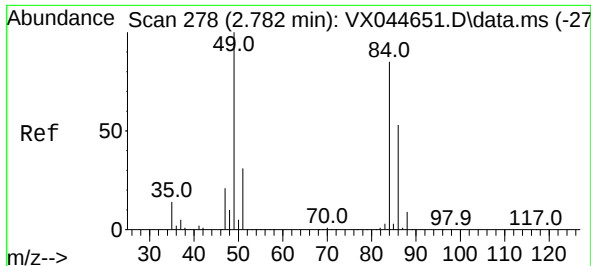
Tgt Ion: 43 Resp: 36355
Ion Ratio Lower Upper
43 100
58 32.4 24.6 37.0



#18
Methyl Acetate
Concen: 1.175 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Tgt Ion: 43 Resp: 2564
Ion Ratio Lower Upper
43 100
74 17.8 19.8 29.8#





#20

Methylene Chloride

Concen: 2.483 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

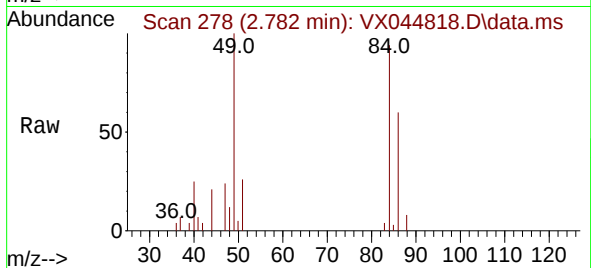
Lab File: VX044818.D

Acq: 03 Feb 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4091

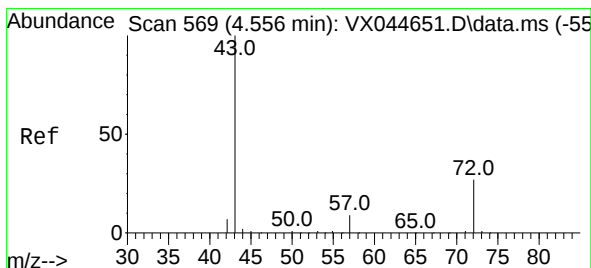
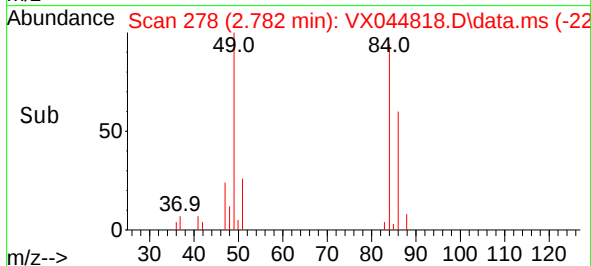
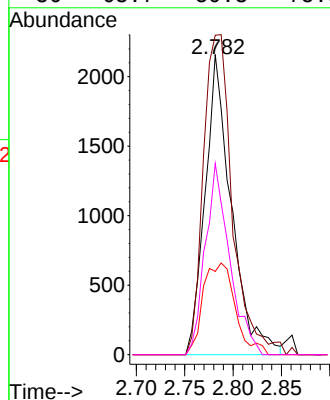
Ion Ratio Lower Upper

84 100

49 106.5 94.2 141.4

51 27.7 28.8 43.2#

86 63.7 50.3 75.5



#25

2-Butanone

Concen: 3.882 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX044818.D

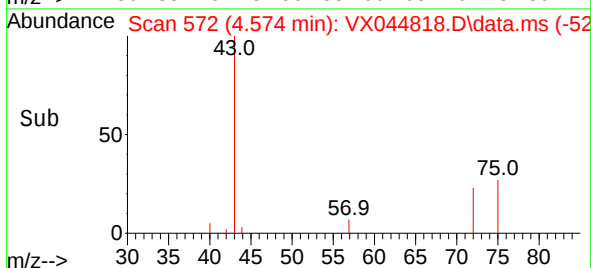
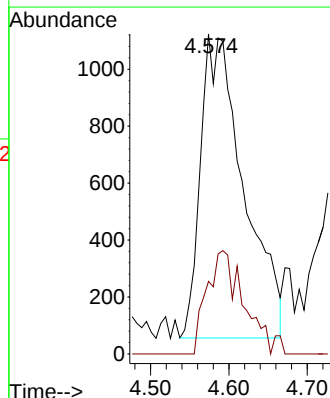
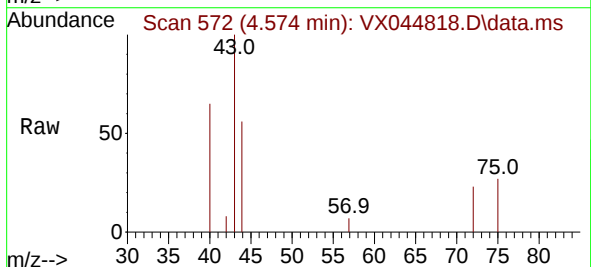
Acq: 03 Feb 2025 16:32

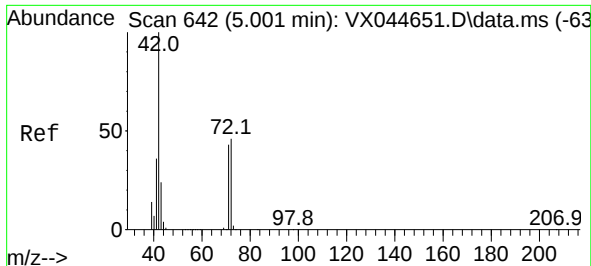
Tgt Ion: 43 Resp: 4084

Ion Ratio Lower Upper

43 100

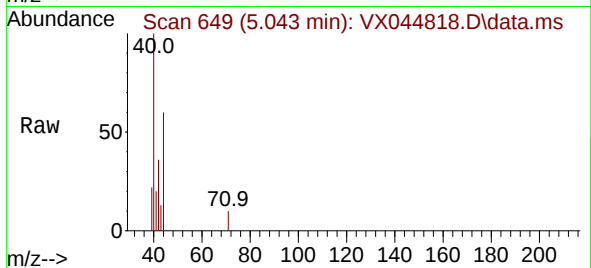
72 23.9 21.7 32.5



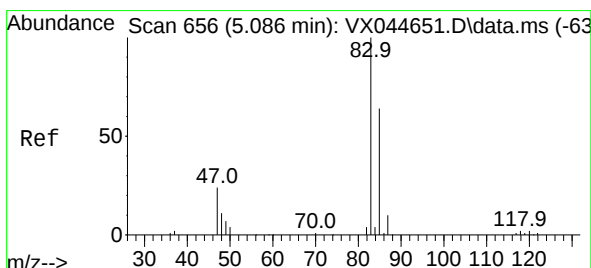
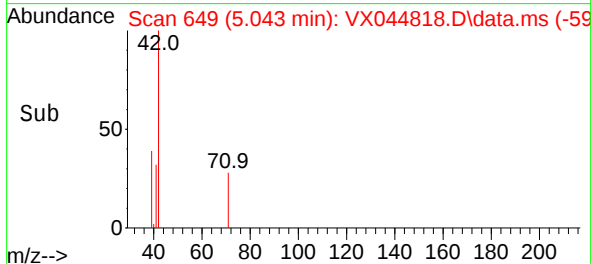
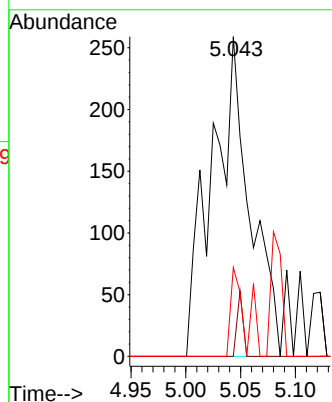


#29
Tetrahydrofuran
Concen: 0.926 ug/l
RT: 5.043 min Scan# 642
Delta R.T. 0.042 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :

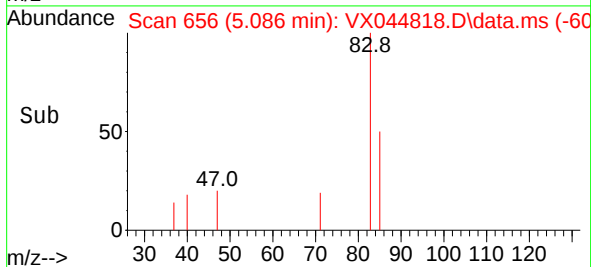
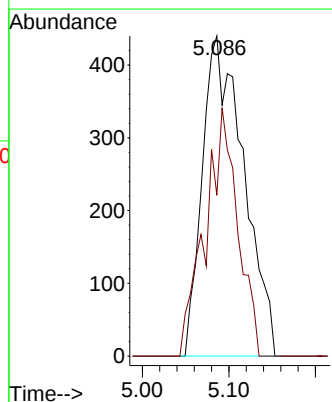
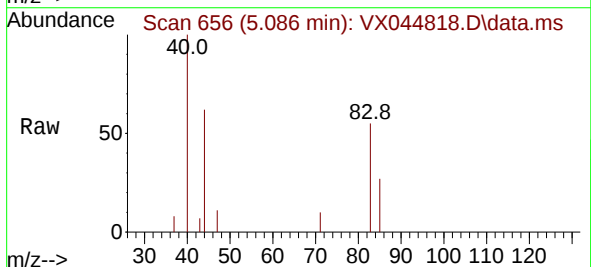


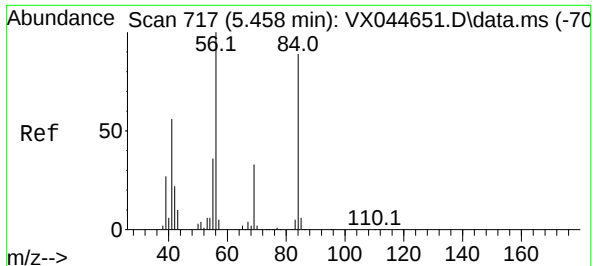
Tgt Ion: 42 Resp: 628
Ion Ratio Lower Upper
42 100
72 3.0 38.2 57.4#
71 7.2 35.3 52.9#



#30
Chloroform
Concen: 0.519 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

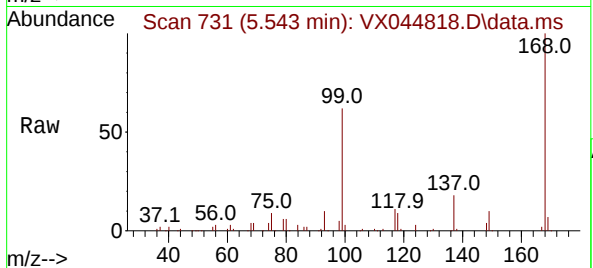
Tgt Ion: 83 Resp: 1457
Ion Ratio Lower Upper
83 100
85 50.2 51.2 76.8#



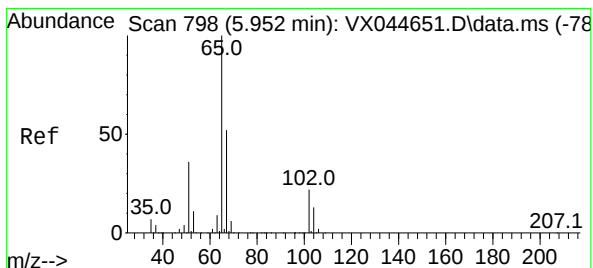
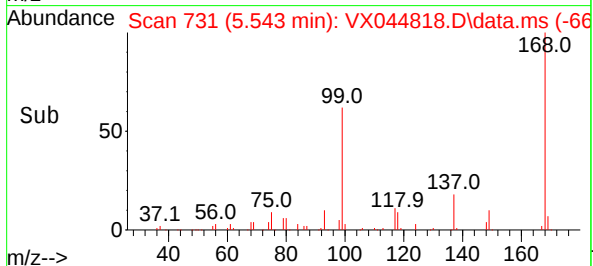
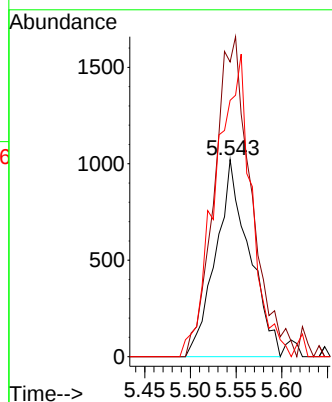


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.543 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :

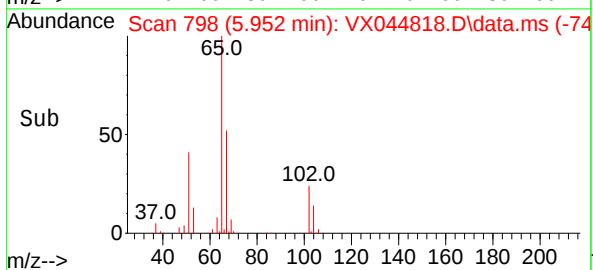
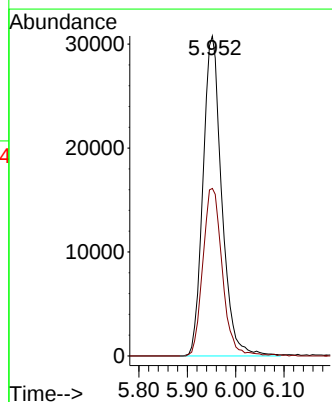
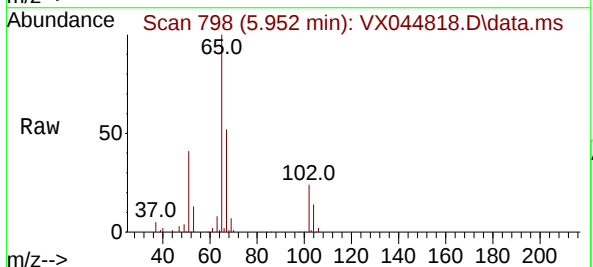


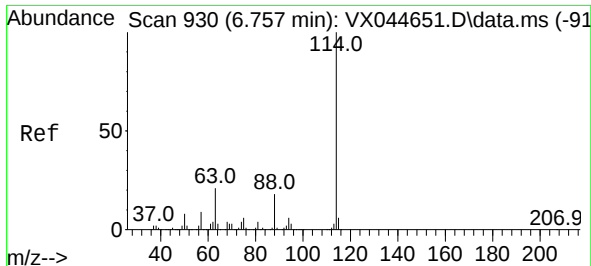
Tgt Ion: 56 Resp: 2603
Ion Ratio Lower Upper
56 100
69 149.5 26.8 40.2#
84 130.0 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 46.392 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

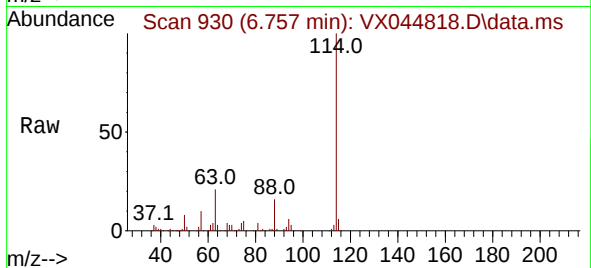
Tgt Ion: 65 Resp: 82961
Ion Ratio Lower Upper
65 100
67 54.1 0.0 103.4



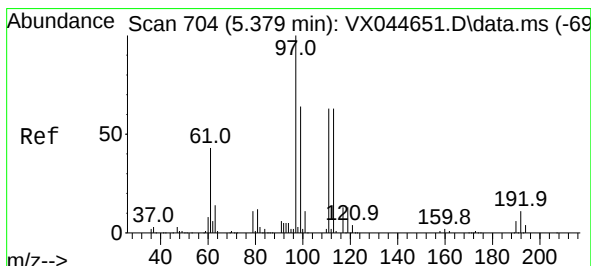
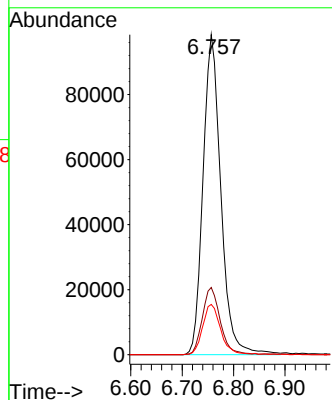
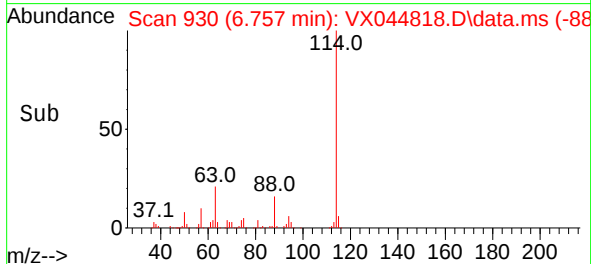


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :

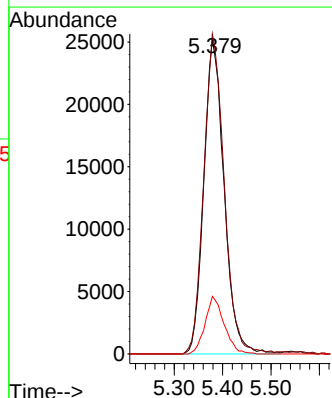
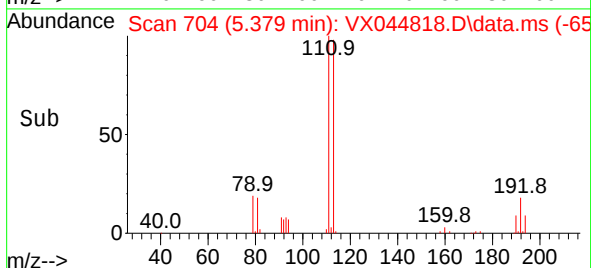
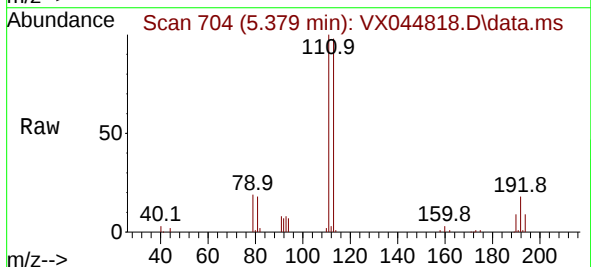


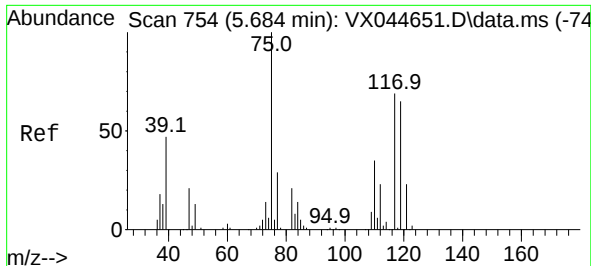
Tgt Ion:114 Resp: 237156
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 15.7 0.0 35.4



#35
Dibromofluoromethane
Concen: 48.706 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

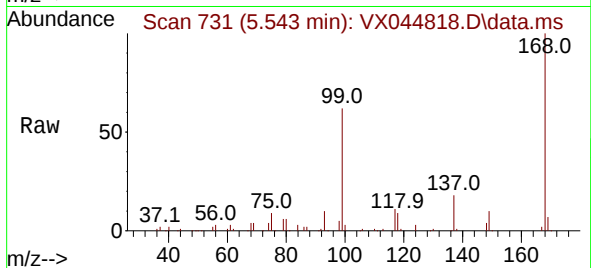
Tgt Ion:113 Resp: 73382
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 17.2 14.4 21.6



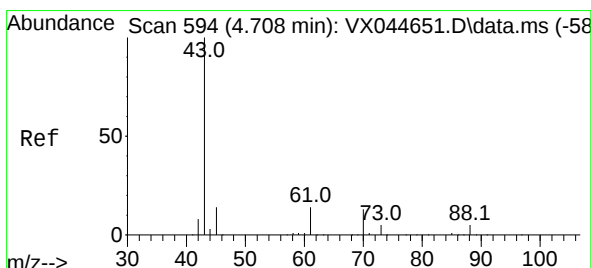
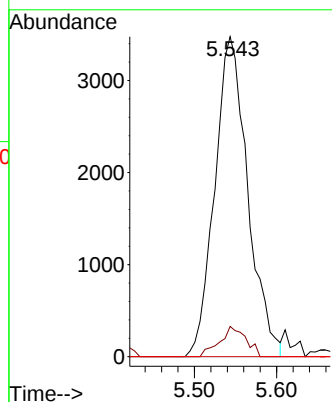
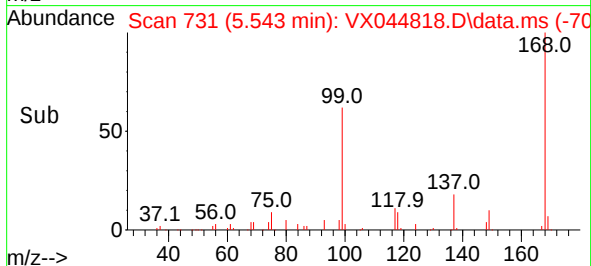


#36
1,1-Dichloropropene
Concen: 4.625 ug/l
RT: 5.543 min Scan# 754
Delta R.T. -0.140 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

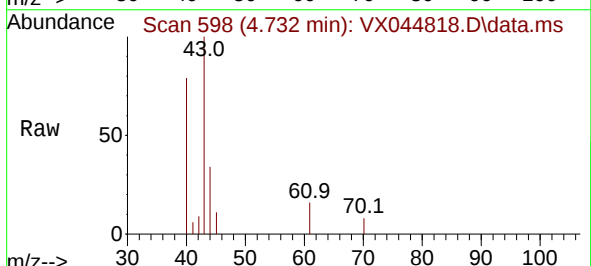
Instrument :
MSVOA_X
ClientSampleId :



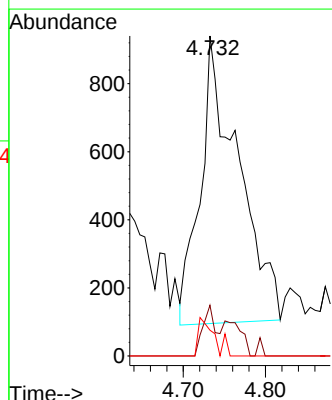
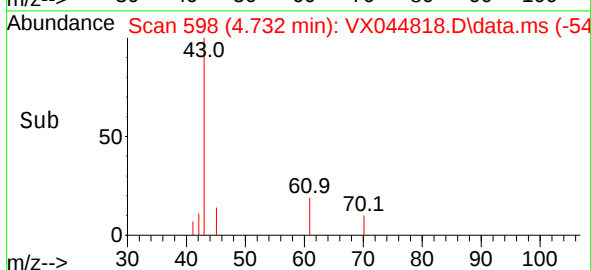
Tgt Ion: 75 Resp: 9700
Ion Ratio Lower Upper
75 100
110 7.5 17.9 53.8#
77 0.0 24.5 36.7#

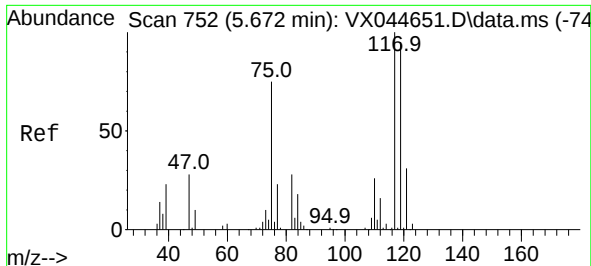


#37
Ethyl Acetate
Concen: 1.210 ug/l
RT: 4.732 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32



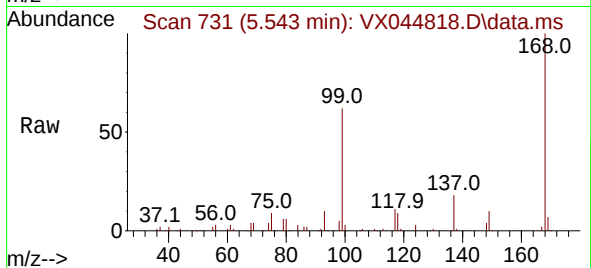
Tgt Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
61 6.1 10.9 16.3#
70 5.6 10.1 15.1#



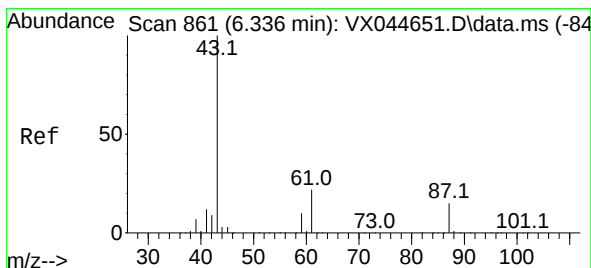
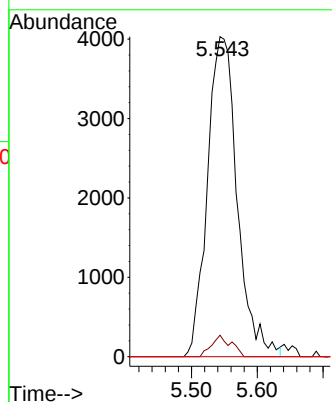
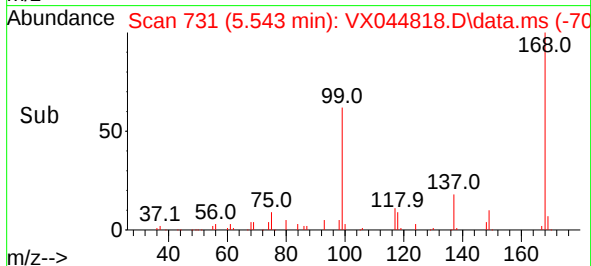


#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 5.543 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :

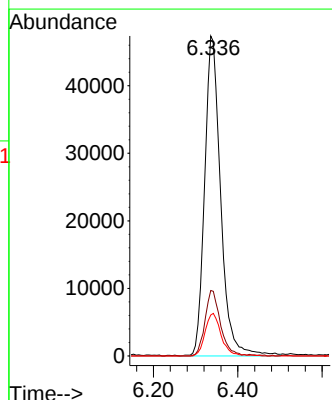
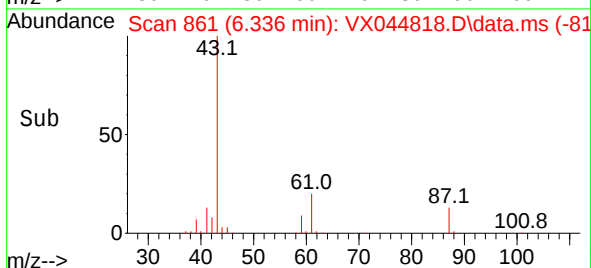
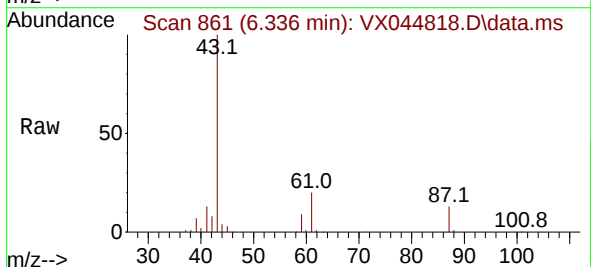


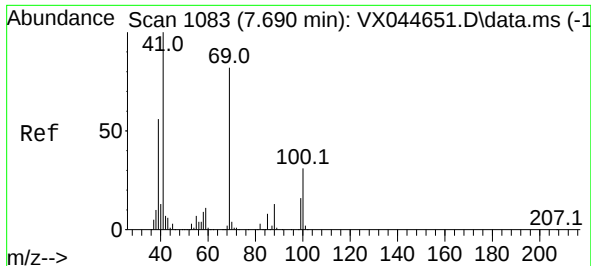
Tgt Ion:117 Resp: 12724
Ion Ratio Lower Upper
117 100
119 6.7 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 30.541 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Tgt Ion: 43 Resp: 125480
Ion Ratio Lower Upper
43 100
61 19.7 16.6 24.8
87 13.3 11.0 16.6





#48

Methyl methacrylate

Concen: 1.418 ug/l

RT: 7.610 min Scan# 1100

Delta R.T. -0.080 min

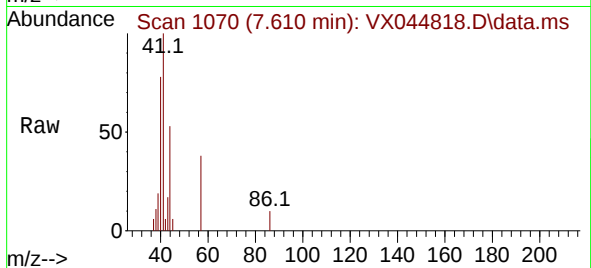
Lab File: VX044818.D

Acq: 03 Feb 2025 16:32

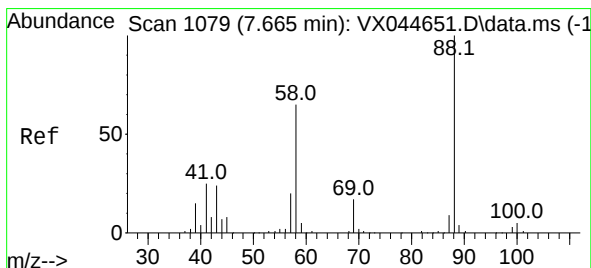
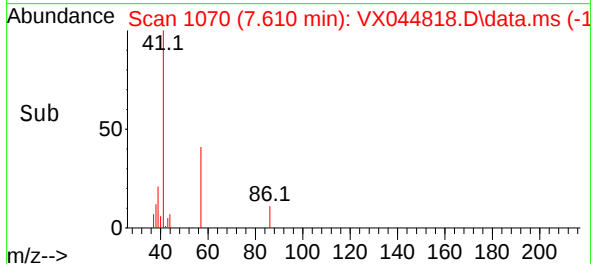
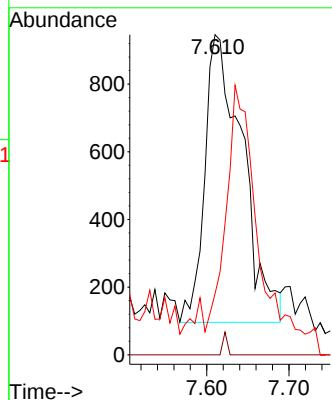
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	41	Resp:	2704
Ion Ratio	Lower	Upper	
41	100		
69	0.9	66.8	100.2#
39	0.0	47.4	71.0#



#49

1,4-Dioxane

Concen: 2.362 ug/l

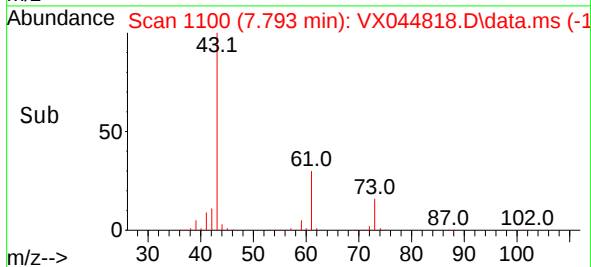
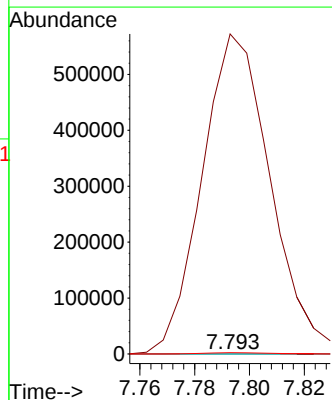
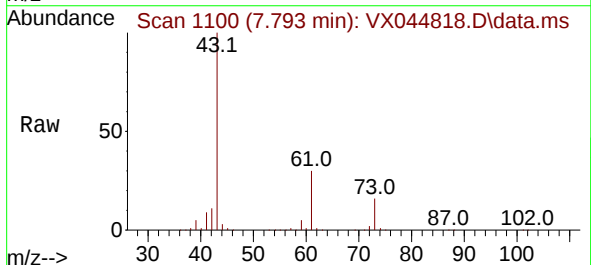
RT: 7.793 min Scan# 1100

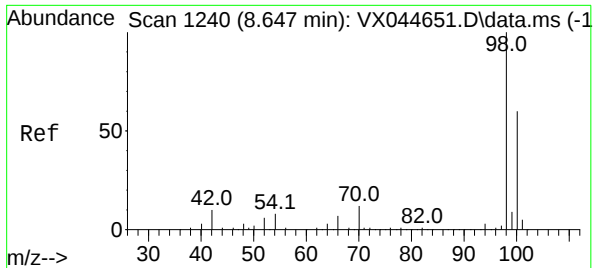
Delta R.T. 0.128 min

Lab File: VX044818.D

Acq: 03 Feb 2025 16:32

Tgt Ion:	88	Resp:	94
Ion Ratio	Lower	Upper	
88	100		
43	1086103.2	27.0	40.4#
58	4290.4	55.8	83.8#





#50

Toluene-d8

Concen: 53.375 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044818.D

Acq: 03 Feb 2025 16:32

Instrument :

MSVOA_X

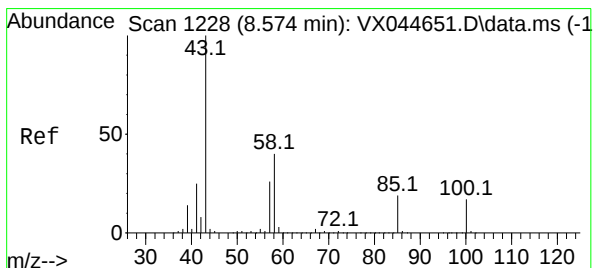
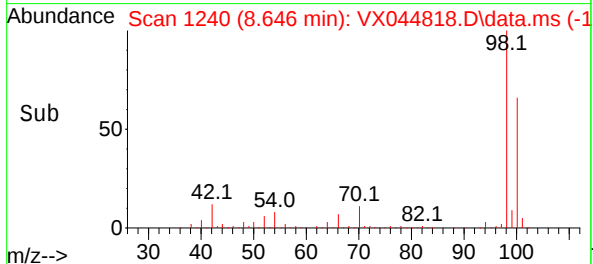
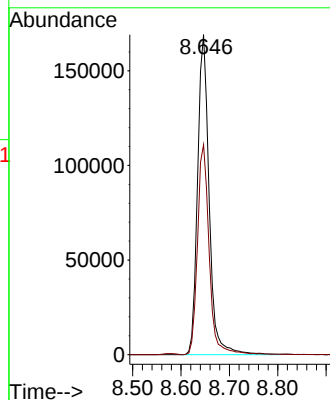
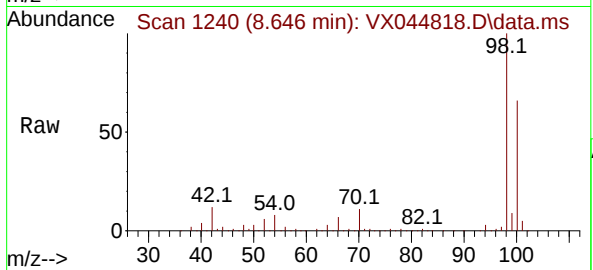
ClientSampleId :

Tgt Ion: 98 Resp: 280393

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 41.533 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.031 min

Lab File: VX044818.D

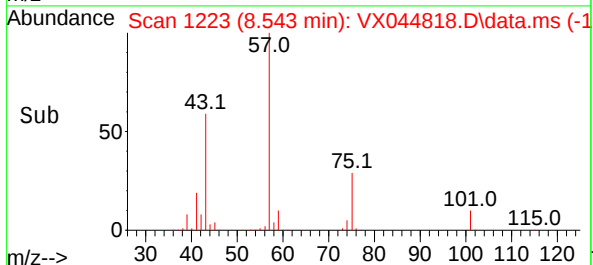
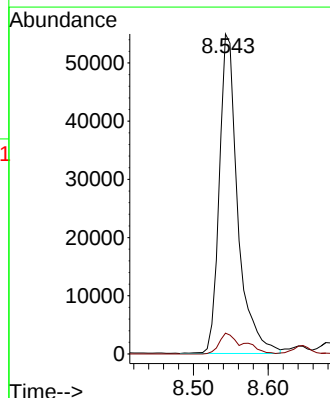
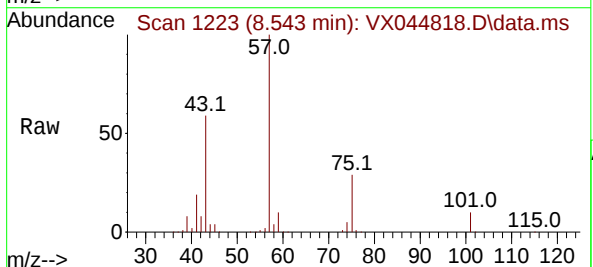
Acq: 03 Feb 2025 16:32

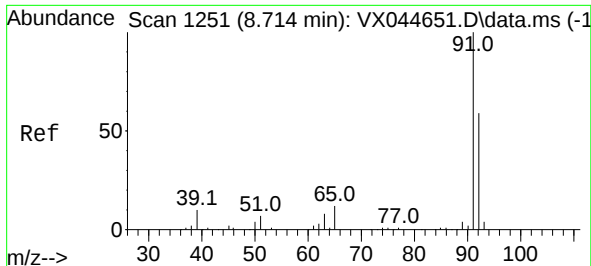
Tgt Ion: 43 Resp: 94302

Ion Ratio Lower Upper

43 100

58 8.5 31.9 47.9#

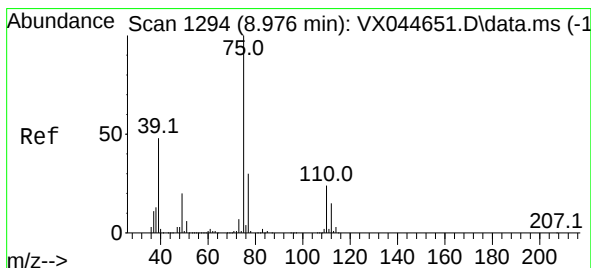
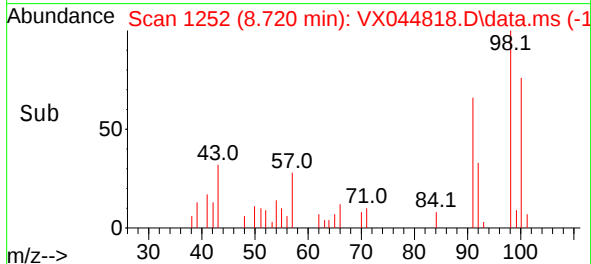
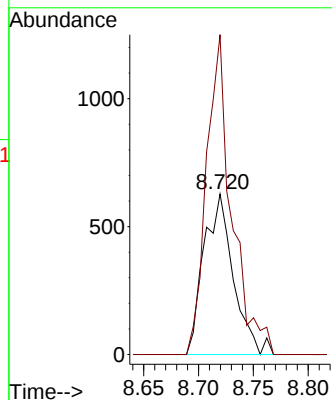
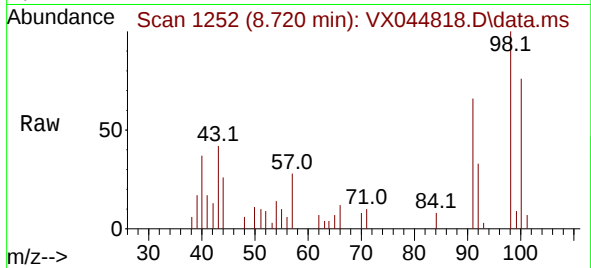




#52
Toluene
Concen: 0.296 ug/l
RT: 8.720 min Scan# 1176
Delta R.T. 0.006 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

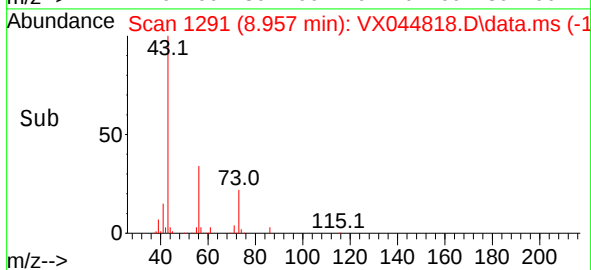
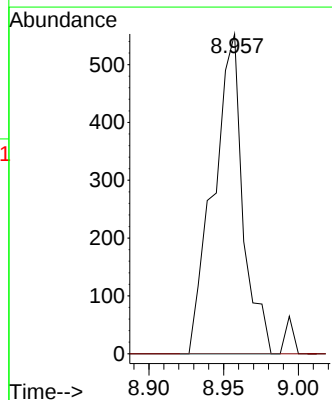
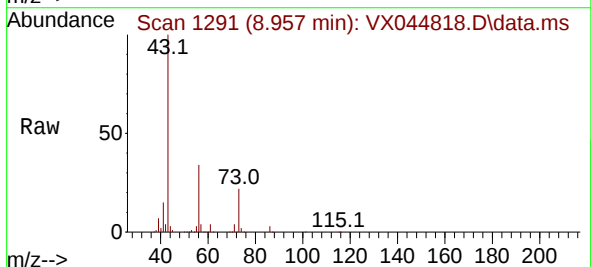
Instrument :
MSVOA_X
ClientSampleId :

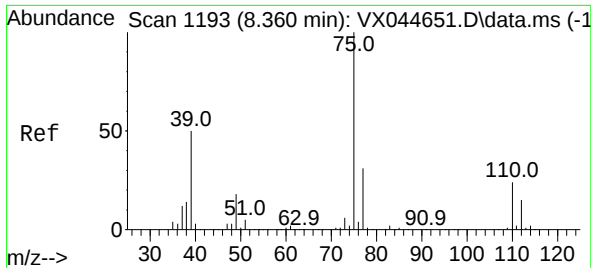
Tgt Ion: 92 Resp: 1176
Ion Ratio Lower Upper
92 100
91 170.2 135.7 203.5



#53
t-1,3-Dichloropropene
Concen: 0.287 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Tgt Ion: 75 Resp: 758
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#

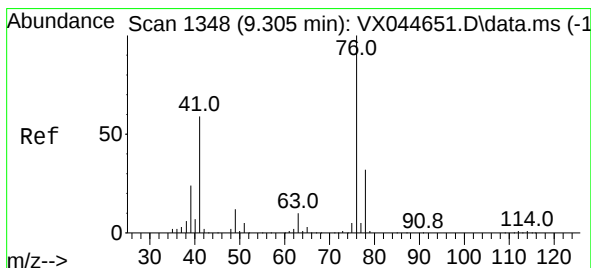
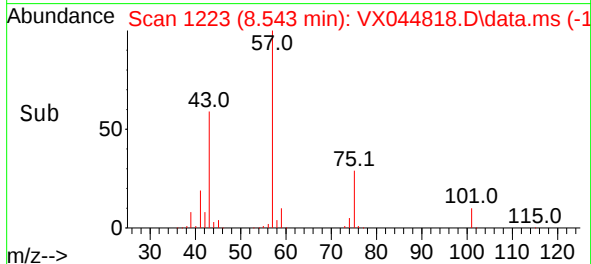
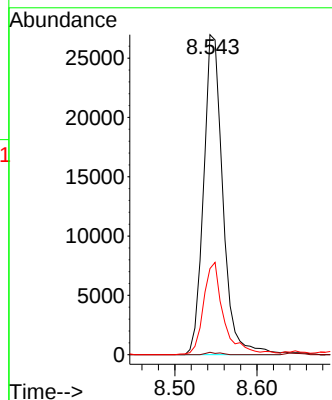
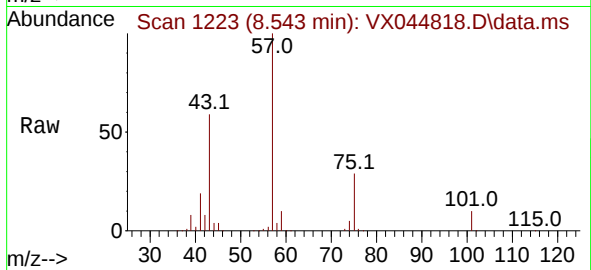




#54
 cis-1,3-Dichloropropene
 Concen: 15.341 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044818.D
 Acq: 03 Feb 2025 16:32

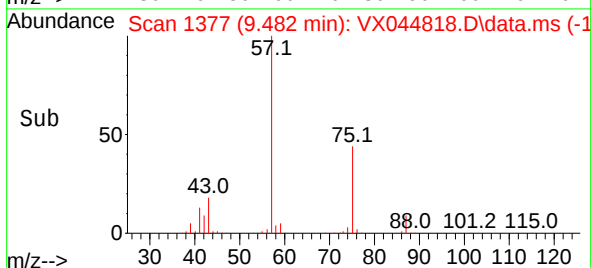
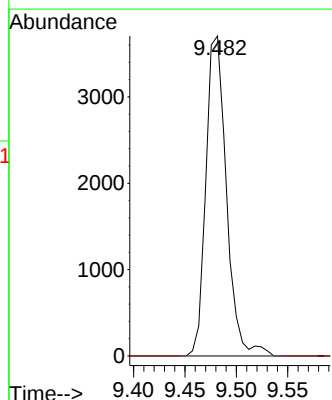
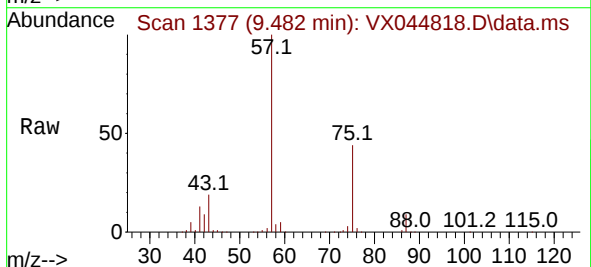
Instrument :
 MSVOA_X
 ClientSampleId :

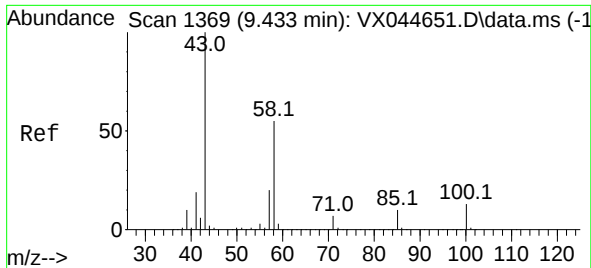
Tgt Ion: 75 Resp: 43891
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.1 37.7#
 39 26.7 40.3 60.5#



#57
 1,3-Dichloropropane
 Concen: 1.888 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX044818.D
 Acq: 03 Feb 2025 16:32

Tgt Ion: 76 Resp: 5175
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 39.845 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX044818.D

Acq: 03 Feb 2025 16:32

Instrument :

MSVOA_X

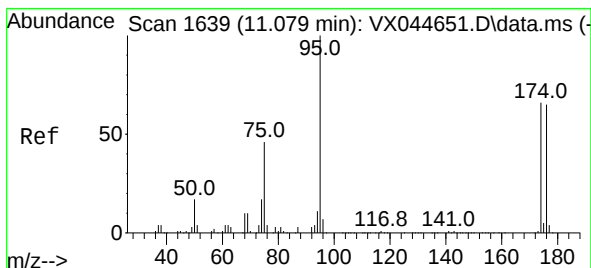
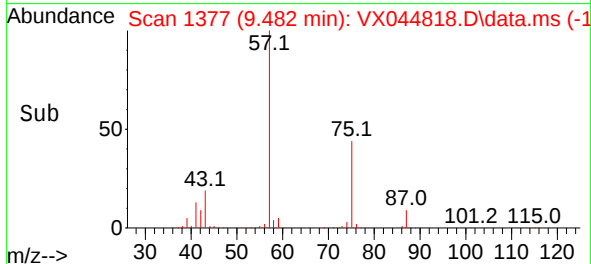
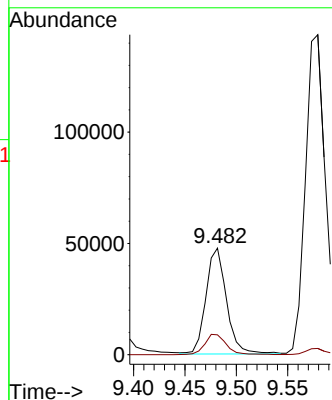
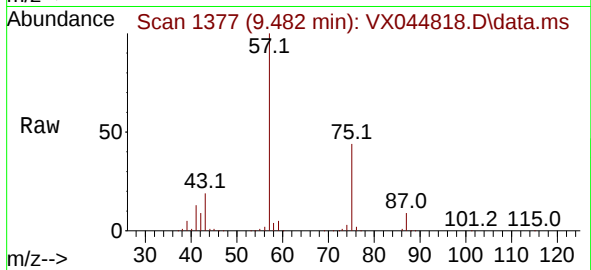
ClientSampleId :

Tgt Ion: 43 Resp: 66558

Ion Ratio Lower Upper

43 100

58 20.4 27.8 83.3#



#62

4-Bromofluorobenzene

Concen: 50.391 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044818.D

Acq: 03 Feb 2025 16:32

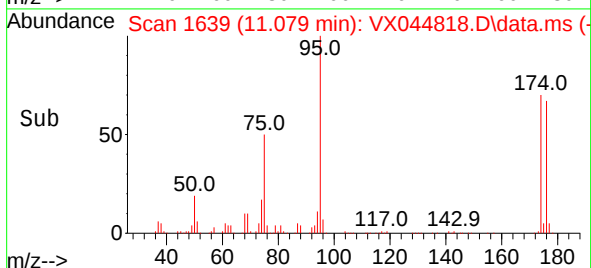
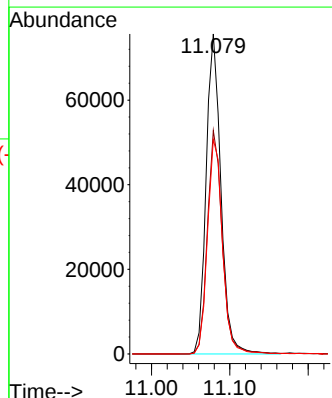
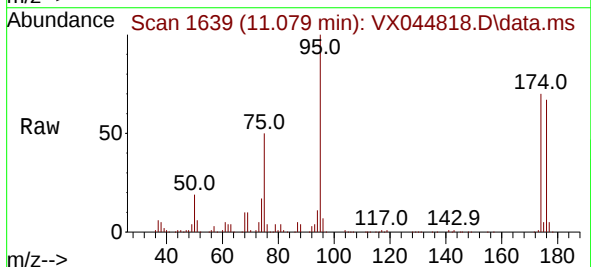
Tgt Ion: 95 Resp: 98683

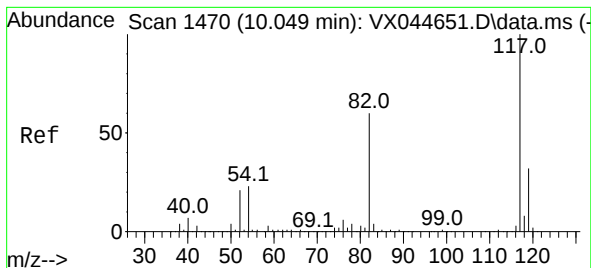
Ion Ratio Lower Upper

95 100

174 70.6 0.0 133.0

176 68.2 0.0 129.4

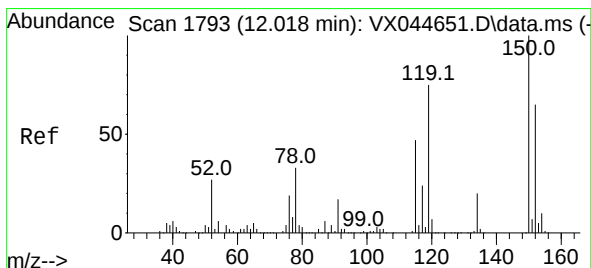
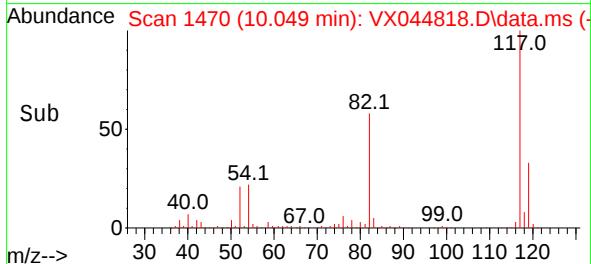
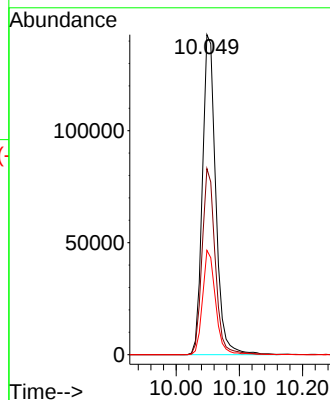
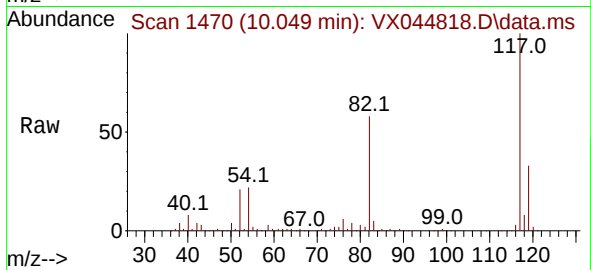




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

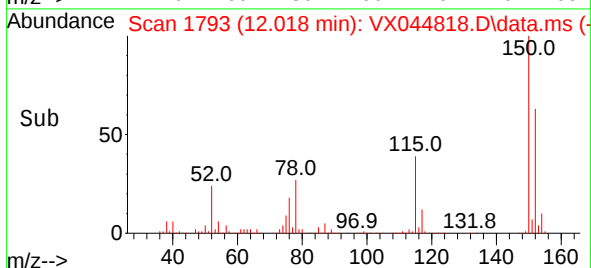
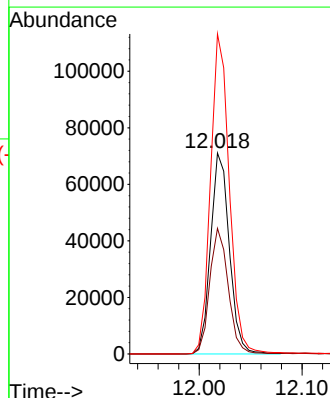
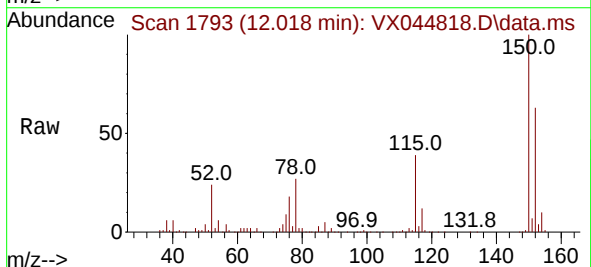
Instrument :
MSVOA_X
ClientSampleId :

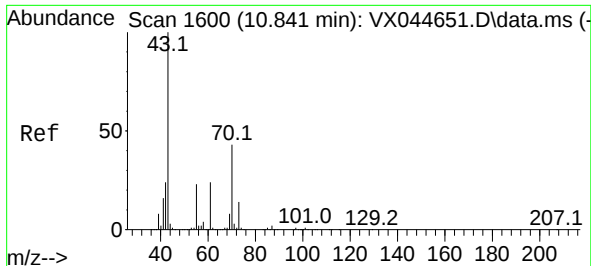
Tgt Ion:117 Resp: 210118
Ion Ratio Lower Upper
117 100
82 58.1 47.6 71.4
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

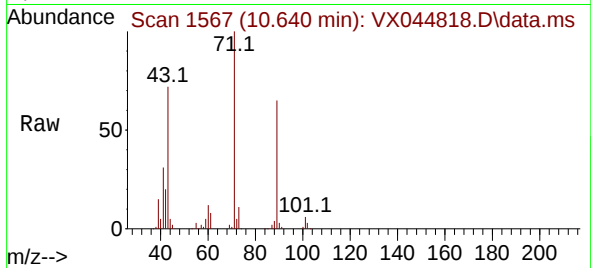
Tgt Ion:152 Resp: 90092
Ion Ratio Lower Upper
152 100
115 61.6 43.8 131.4
150 159.9 0.0 347.8



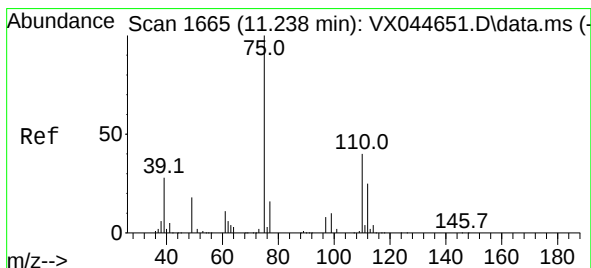
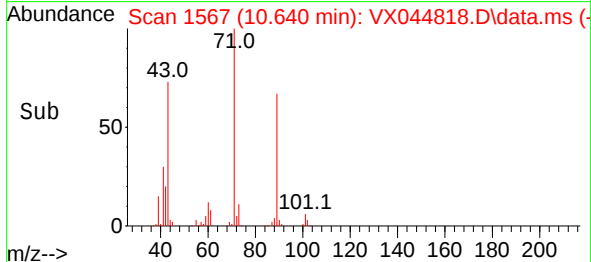
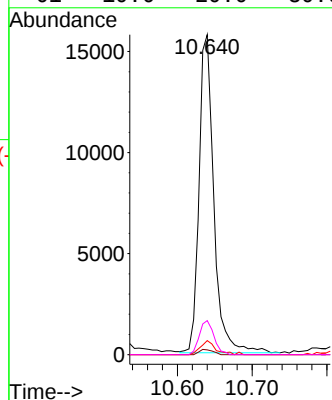


#74
N-ethyl acetate
Concen: 5.957 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :

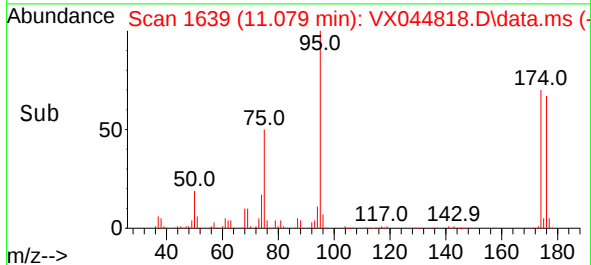
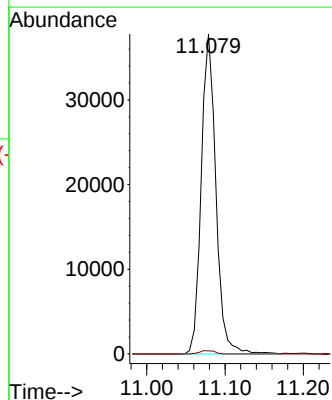
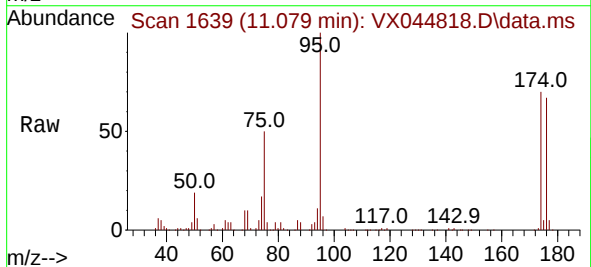


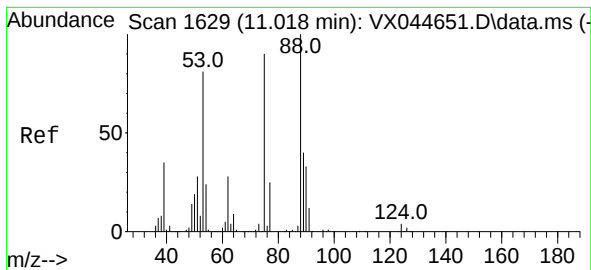
Tgt Ion: 43 Resp: 21611
Ion Ratio Lower Upper
43 100
70 1.5 35.2 52.8#
55 4.7 19.0 28.4#
61 10.6 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 22.459 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044818.D
Acq: 03 Feb 2025 16:32

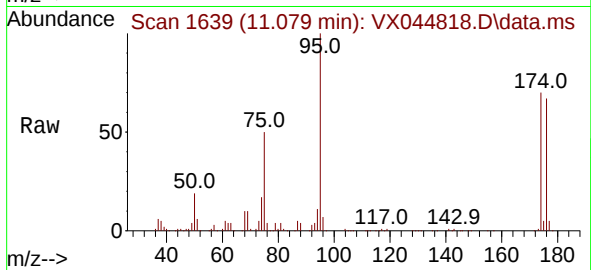
Tgt Ion: 75 Resp: 49105
Ion Ratio Lower Upper
75 100
77 1.1 23.4 70.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.361 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044818.D
 Acq: 03 Feb 2025 16:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 49105
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.3 111.5#
 89 0.0 37.4 56.0#

