

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044816.D
 Acq On : 03 Feb 2025 15:45
 Operator : JC/MD
 Sample : Q1232-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 04 02:10:43 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)

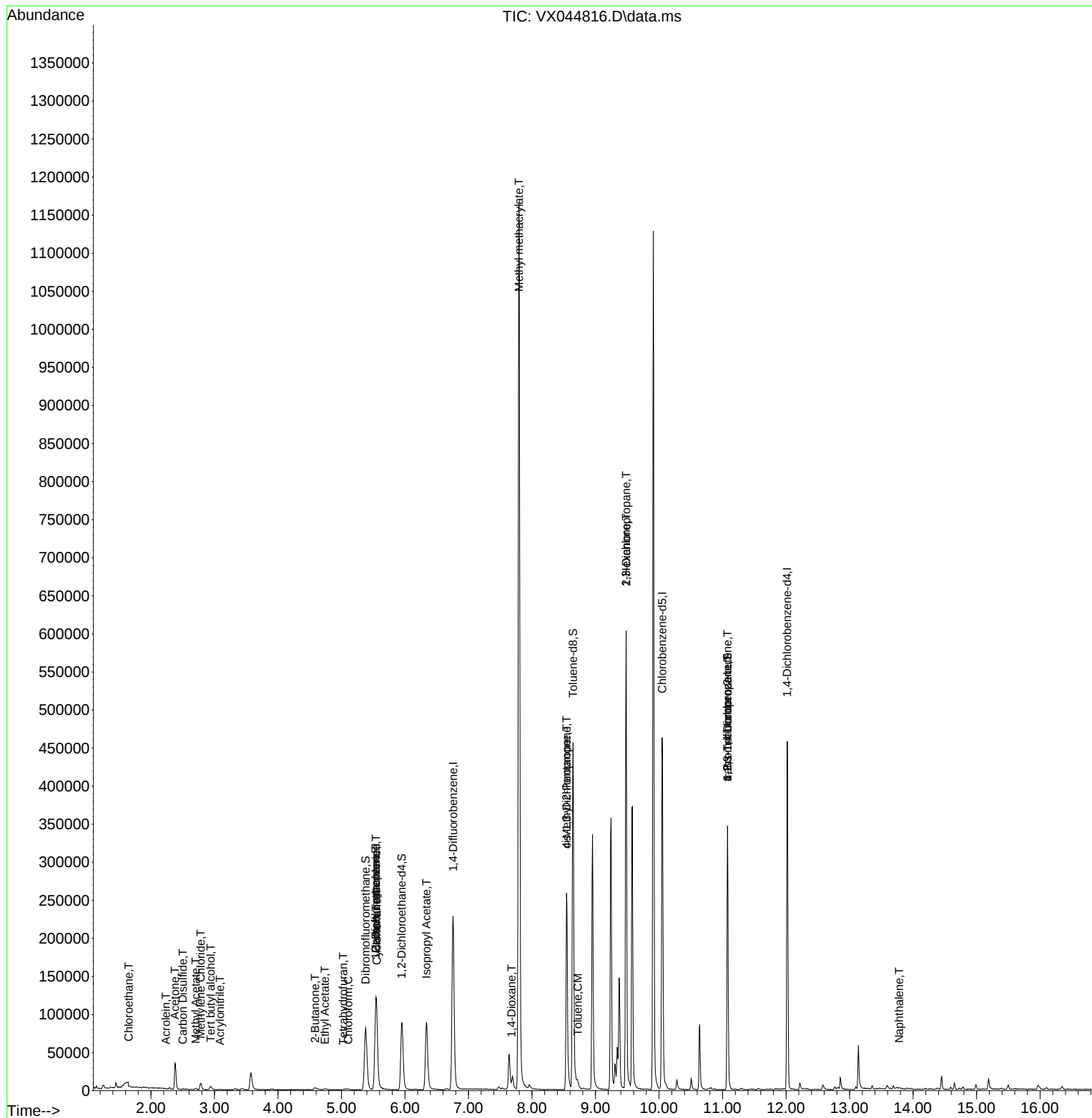
Internal Standards						
1) Pentafluorobenzene	5.544	168	117794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	241488	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83473	46.947	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.900%
35) Dibromofluoromethane	5.379	113	73061	47.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.240%
50) Toluene-d8	8.647	98	279762	52.300	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.600%
62) 4-Bromofluorobenzene	11.079	95	96576	48.430	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.860%
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	240	0.773	ug/l #	41
11) Tert butyl alcohol	2.940	59	2611	6.587	ug/l #	85
13) Acrolein	2.233	56	309	1.657	ug/l	85
15) Acrylonitrile	3.087	53	208	0.268	ug/l #	37
16) Acetone	2.380	43	36349	51.672	ug/l	99
17) Carbon Disulfide	2.502	76	1124	0.299	ug/l	98
18) Methyl Acetate	2.703	43	2645	1.219	ug/l #	83
20) Methylene Chloride	2.782	84	4134	2.524	ug/l	89
25) 2-Butanone	4.587	43	5253	5.022	ug/l	99
29) Tetrahydrofuran	5.025	42	247	0.366	ug/l #	61
30) Chloroform	5.105	83	1455	0.521	ug/l #	81
31) Cyclohexane	5.556	56	2911	1.300	ug/l #	4
36) 1,1-Dichloropropene	5.538	75	10163	4.759	ug/l #	48
37) Ethyl Acetate	4.739	43	2845	1.251	ug/l #	82
38) Carbon Tetrachloride	5.544	117	12237	5.094	ug/l #	16
43) Isopropyl Acetate	6.336	43	130210	31.124	ug/l	98
48) Methyl methacrylate	7.793	41	97410	50.160	ug/l #	42
49) 1,4-Dioxane	7.677	88	20	0.494	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	96163	41.593	ug/l #	49
52) Toluene	8.720	92	2255	0.557	ug/l	91
54) cis-1,3-Dichloropropene	8.543	75	44342	15.221	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	5214	1.868	ug/l #	42
59) 2-Hexanone	9.482	43	73793	43.383	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	48061	21.569	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	48061	49.326	ug/l #	12
95) Naphthalene	13.780	128	1752	0.243	ug/l	96

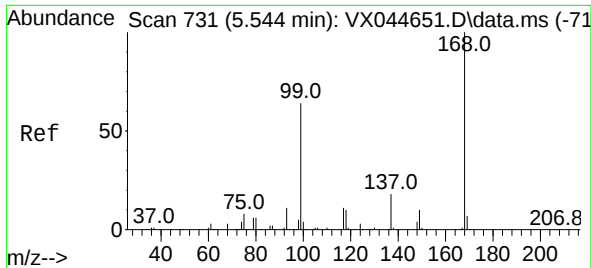
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

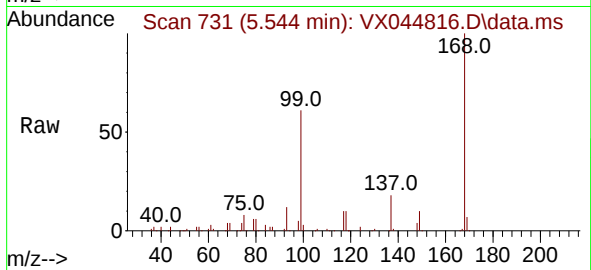
Quant Time: Feb 04 02:10:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



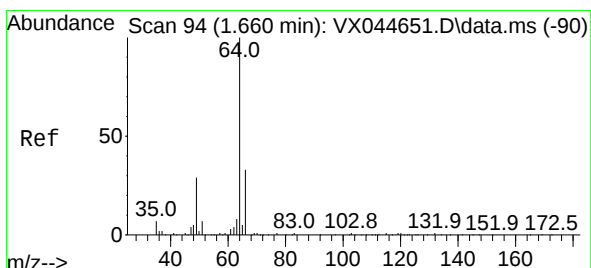
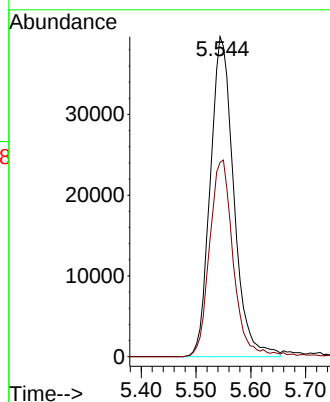
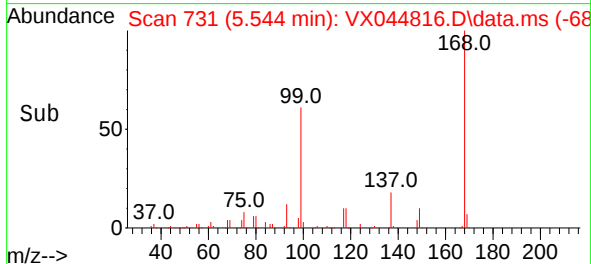


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :

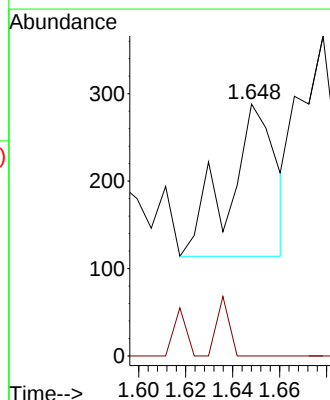
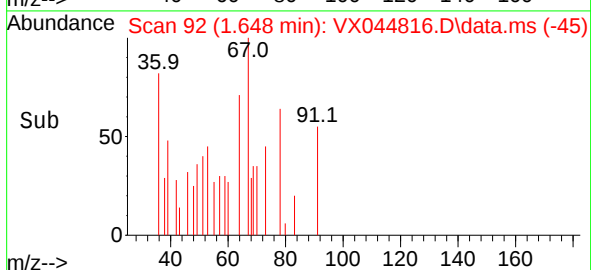
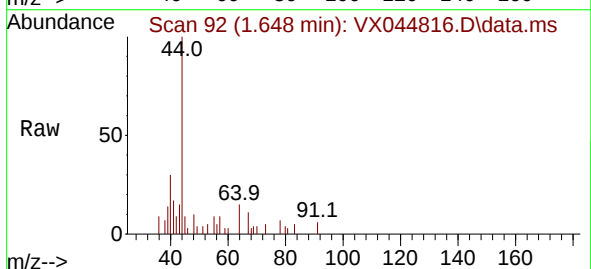


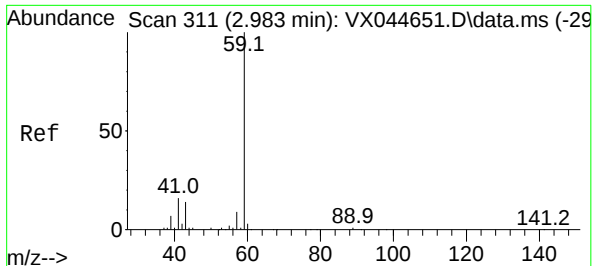
Tgt Ion:168 Resp: 117794
Ion Ratio Lower Upper
168 100
99 60.7 51.1 76.7



#6
Chloroethane
Concen: 0.773 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.012 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 64 Resp: 240
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: 6.587 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

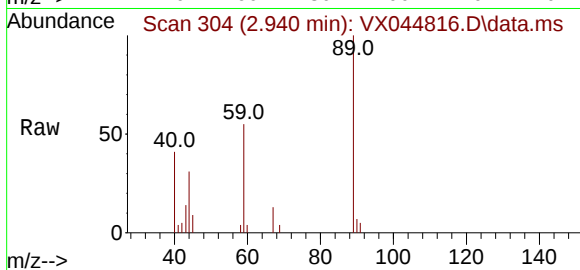
Lab File: VX044816.D

Acq: 03 Feb 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

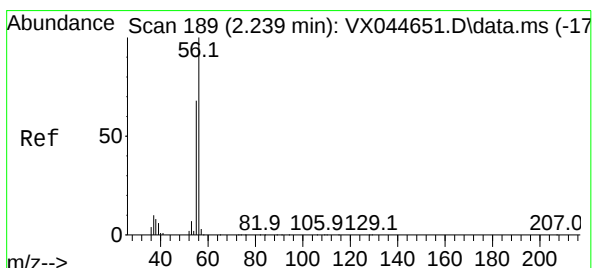
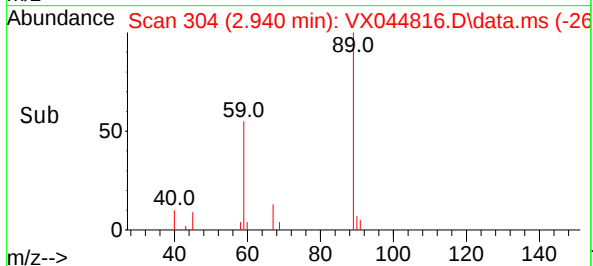
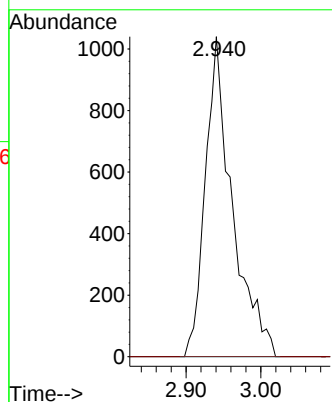


Tgt Ion: 59 Resp: 2611

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



#13

Acrolein

Concen: 1.657 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX044816.D

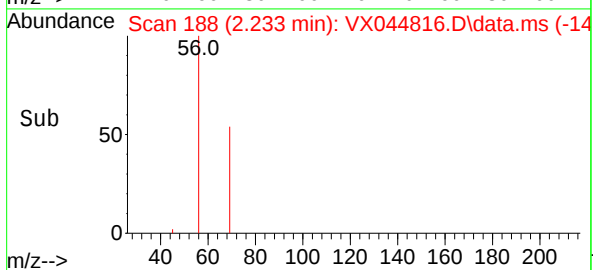
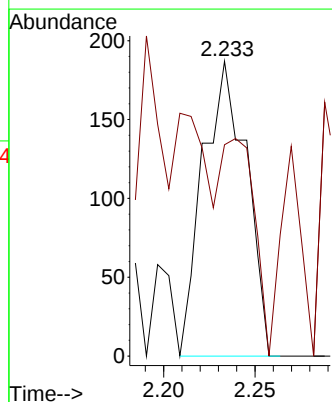
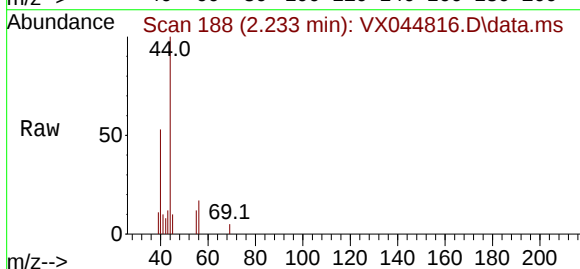
Acq: 03 Feb 2025 15:45

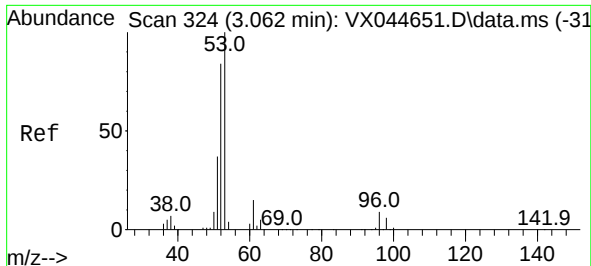
Tgt Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 57.0 55.1 82.7

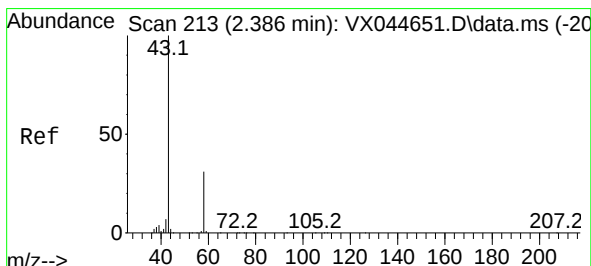
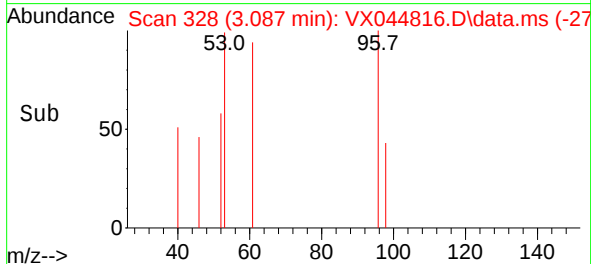
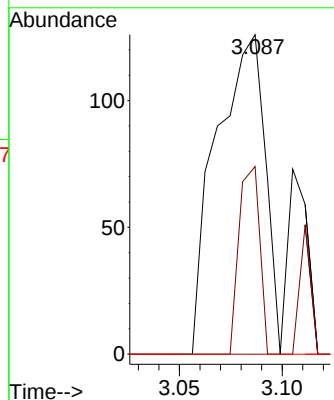
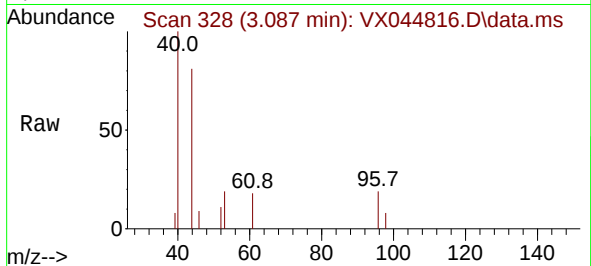




#15
Acrylonitrile
Concen: 0.268 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.024 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

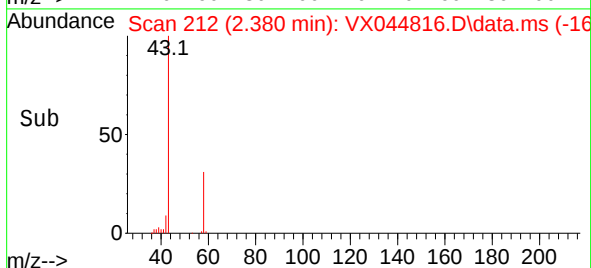
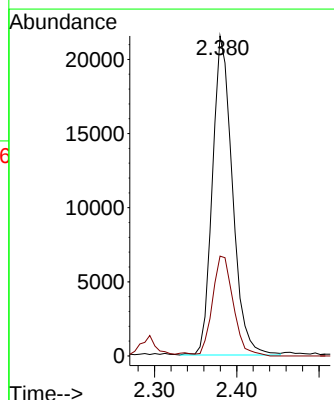
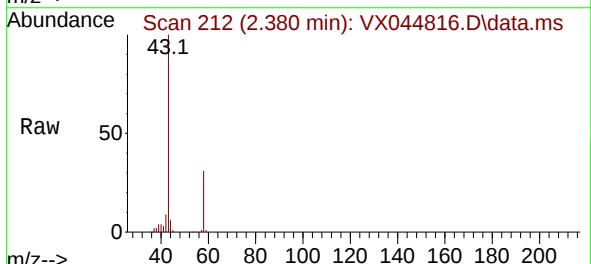
Instrument :
MSVOA_X
ClientSampleId :

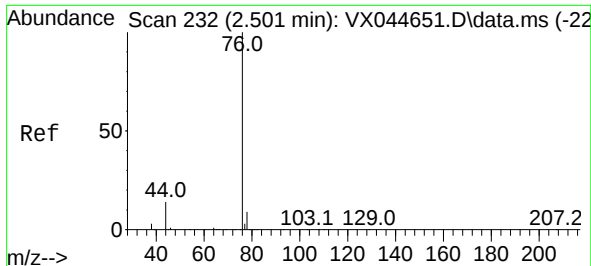
Tgt Ion: 53 Resp: 208
Ion Ratio Lower Upper
53 100
52 25.0 66.0 99.0#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 51.672 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 43 Resp: 36349
Ion Ratio Lower Upper
43 100
58 31.3 24.6 37.0

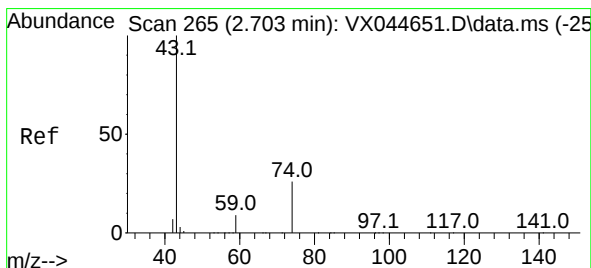
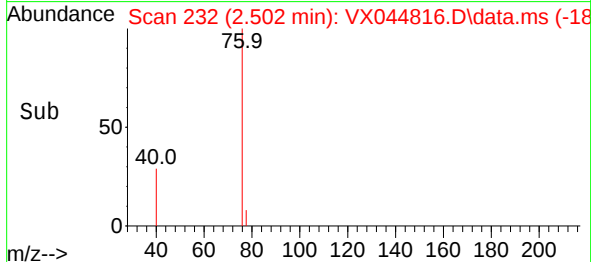
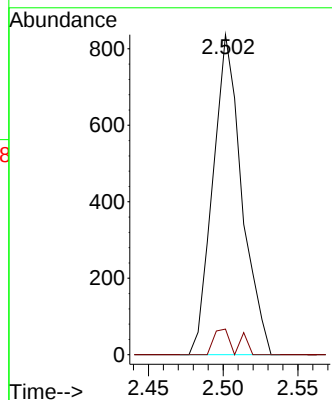
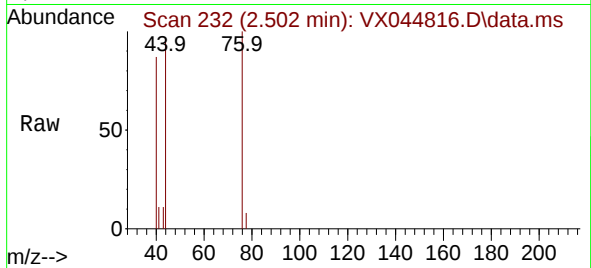




#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 2.502 min Scan# 24
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

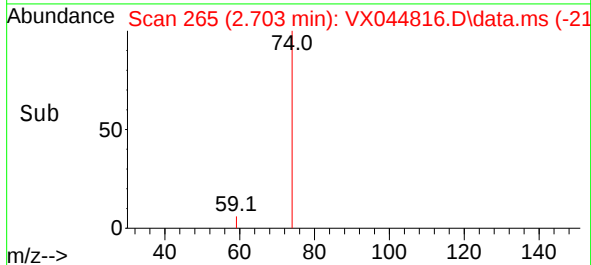
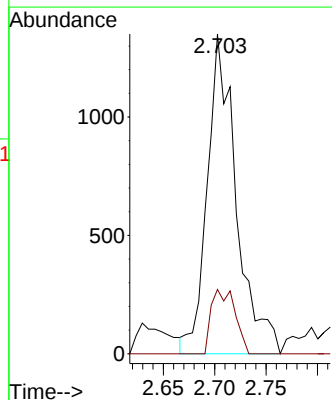
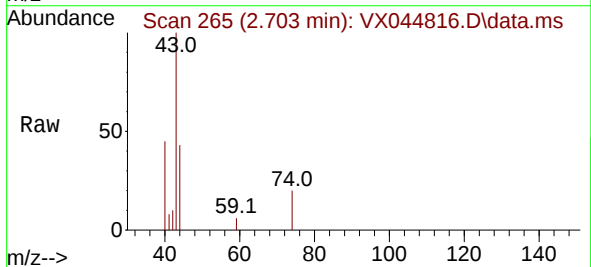
Instrument :
MSVOA_X
ClientSampleId :

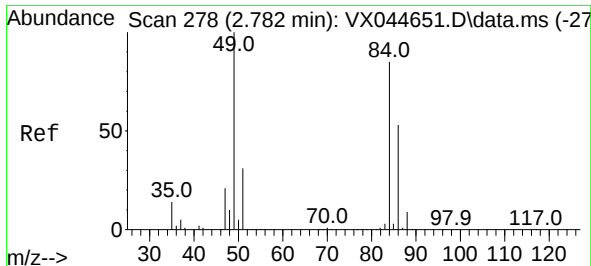
Tgt Ion: 76 Resp: 1124
Ion Ratio Lower Upper
76 100
78 8.0 7.1 10.7



#18
Methyl Acetate
Concen: 1.219 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
74 16.5 19.8 29.8#





#20

Methylene Chloride

Concen: 2.524 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044816.D

Acq: 03 Feb 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 4134

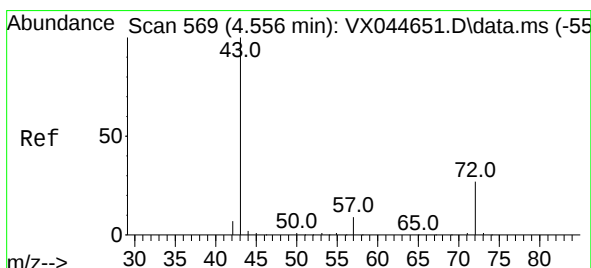
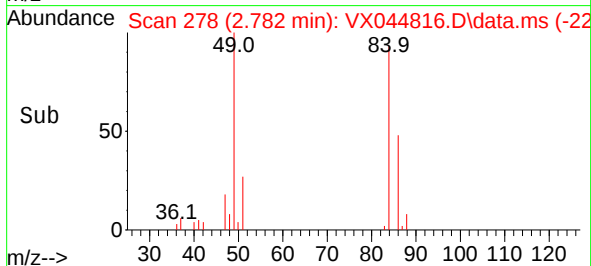
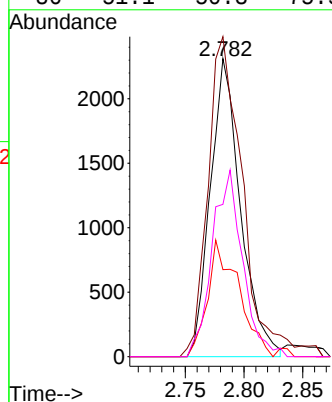
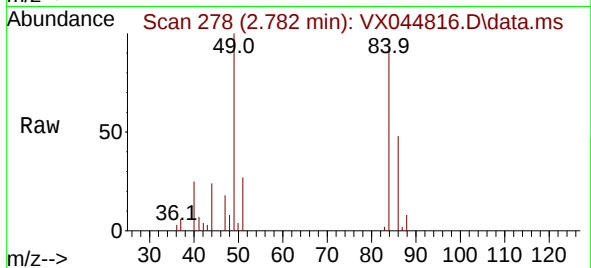
Ion Ratio Lower Upper

84 100

49 107.4 94.2 141.4

51 29.2 28.8 43.2

86 51.1 50.3 75.5



#25

2-Butanone

Concen: 5.022 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.031 min

Lab File: VX044816.D

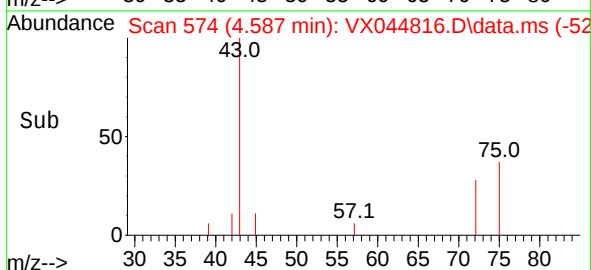
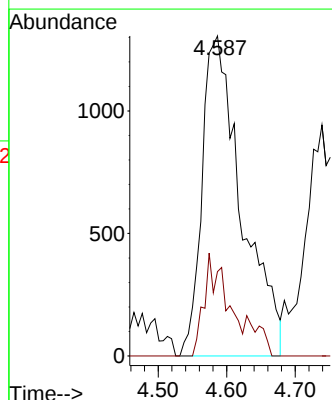
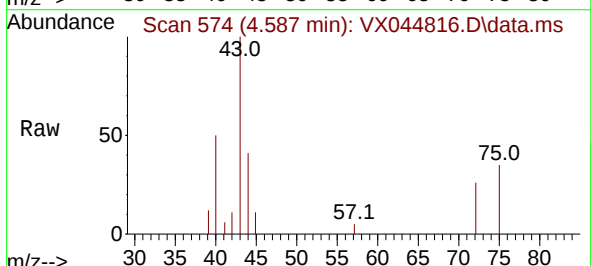
Acq: 03 Feb 2025 15:45

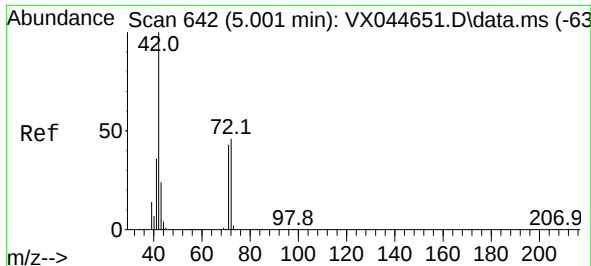
Tgt Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

72 26.3 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.366 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.024 min

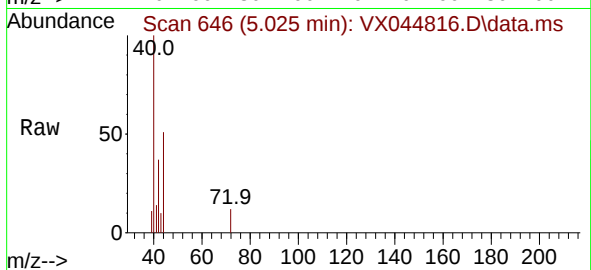
Lab File: VX044816.D

Acq: 03 Feb 2025 15:45

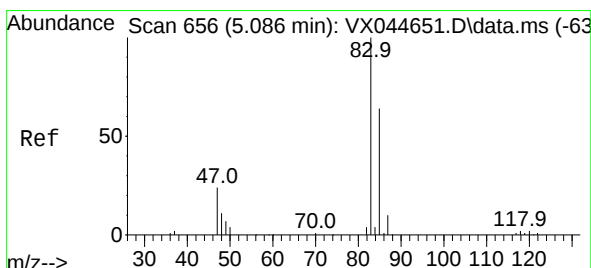
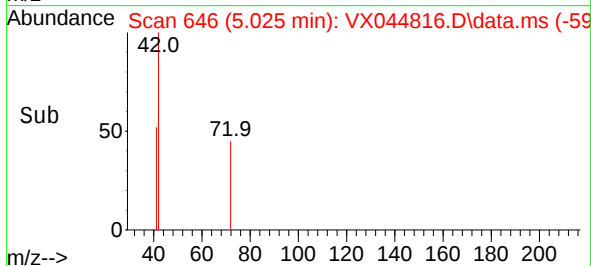
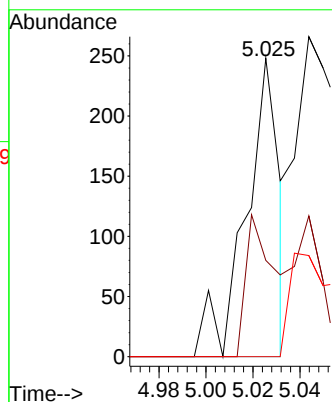
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	247
Ion Ratio	Lower	Upper	
42	100		
72	39.3	38.2	57.4
71	0.0	35.3	52.9#



#30

Chloroform

Concen: 0.521 ug/l

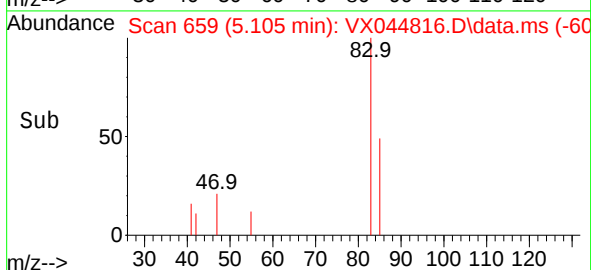
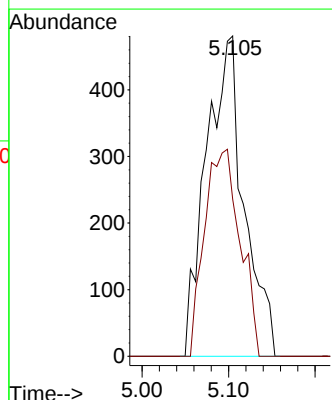
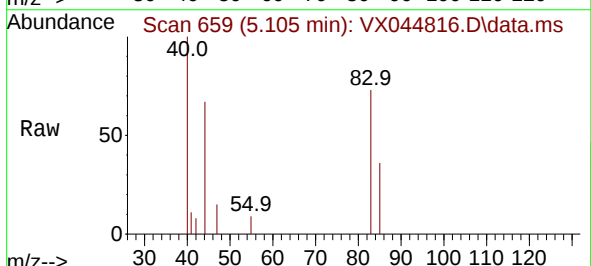
RT: 5.105 min Scan# 659

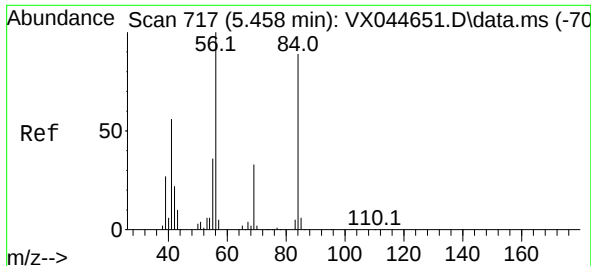
Delta R.T. 0.018 min

Lab File: VX044816.D

Acq: 03 Feb 2025 15:45

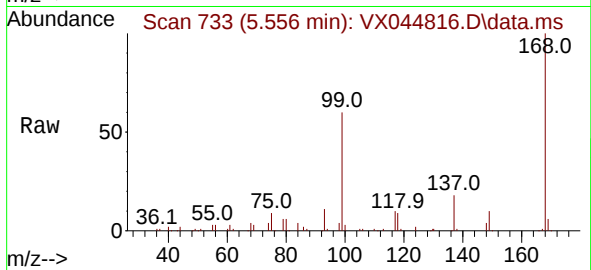
Tgt Ion:	83	Resp:	1455
Ion Ratio	Lower	Upper	
83	100		
85	49.1	51.2	76.8#



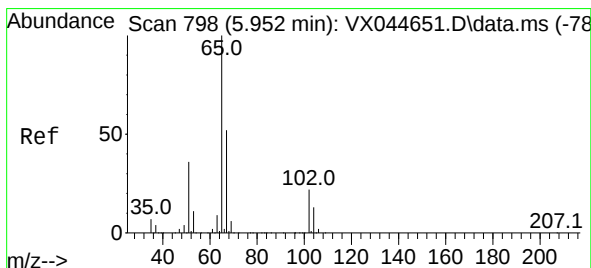
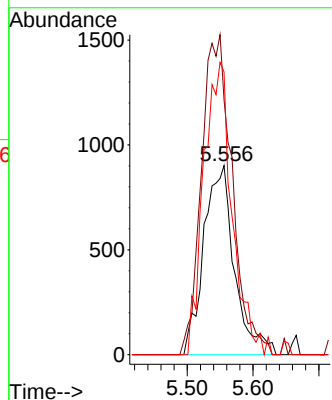
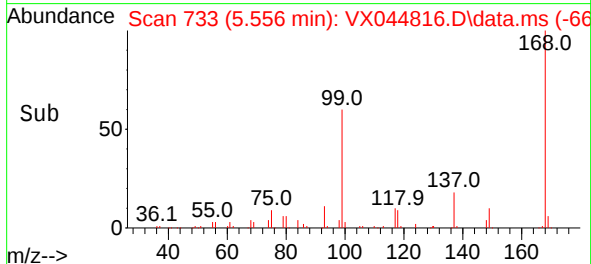


#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.556 min Scan# 717
Delta R.T. 0.098 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :

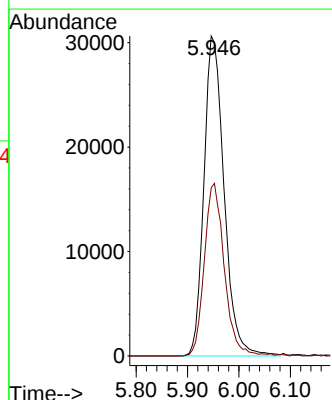
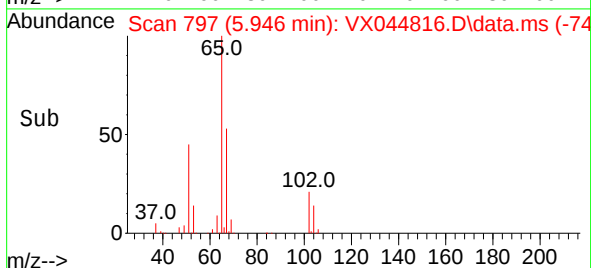
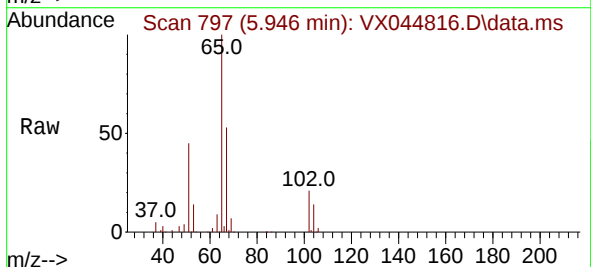


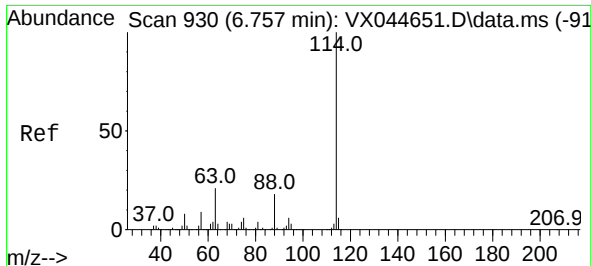
Tgt Ion: 56 Resp: 2911
Ion Ratio Lower Upper
56 100
69 134.8 26.8 40.2#
84 149.4 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 46.947 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 65 Resp: 83473
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.4

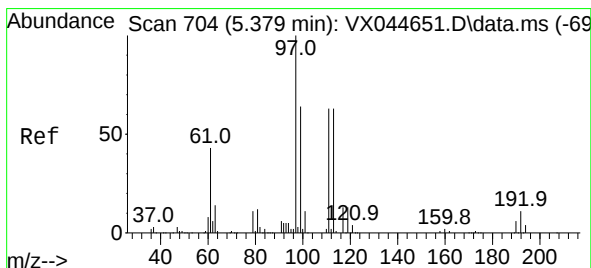
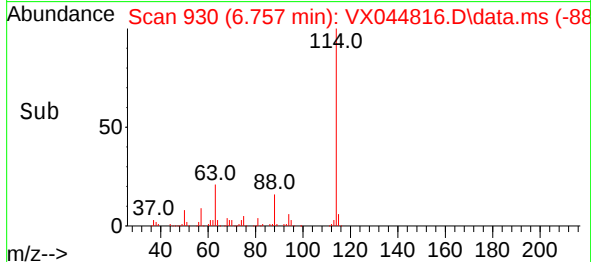
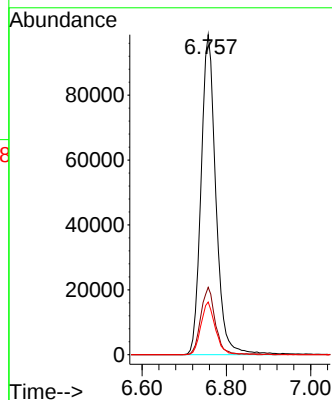
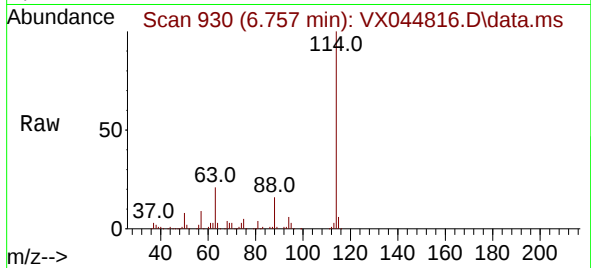




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

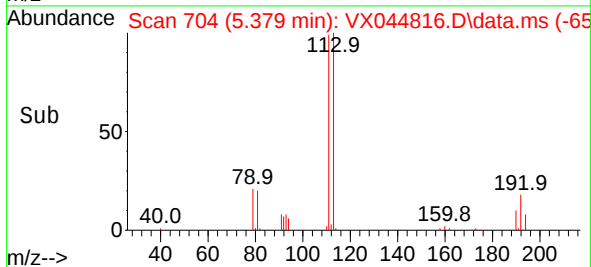
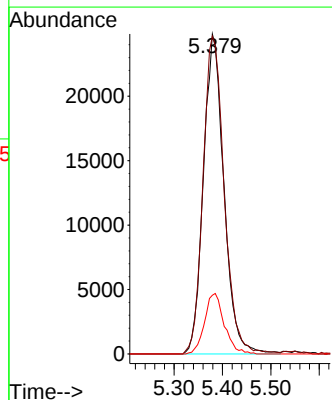
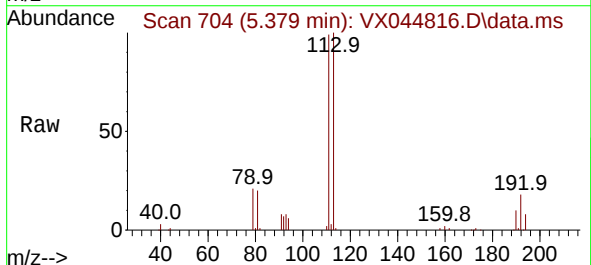
Instrument :
MSVOA_X
ClientSampleId :

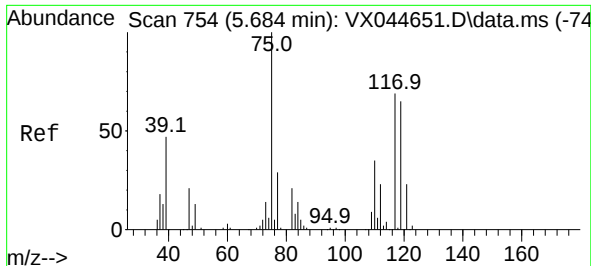
Tgt Ion:114 Resp: 241488
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.0
88 16.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 47.624 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

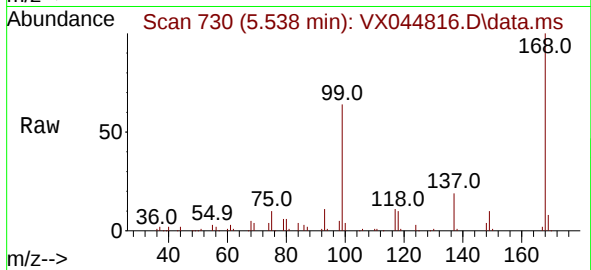
Tgt Ion:113 Resp: 73061
Ion Ratio Lower Upper
113 100
111 102.3 81.6 122.4
192 18.1 14.4 21.6



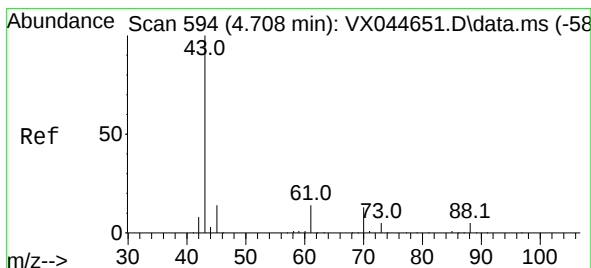
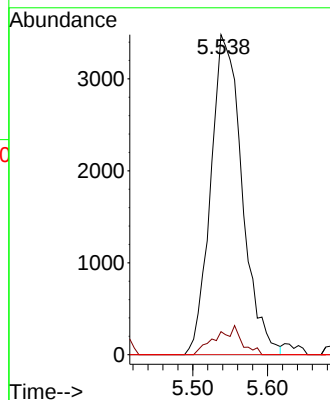
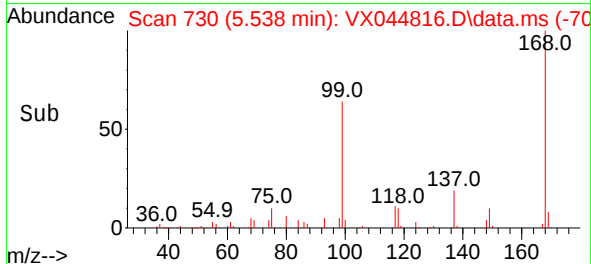


#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 5.538 min Scan# 754
Delta R.T. -0.146 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :

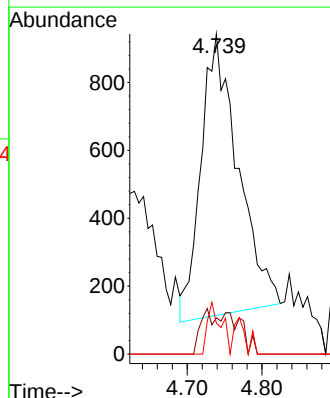
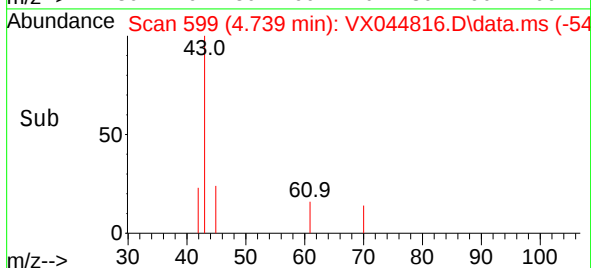
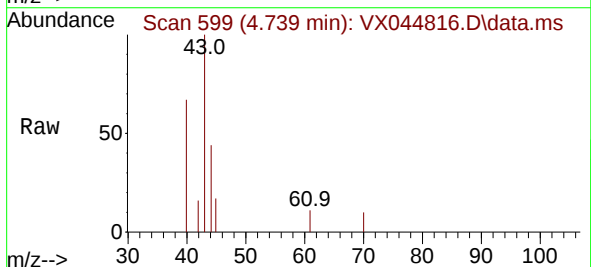


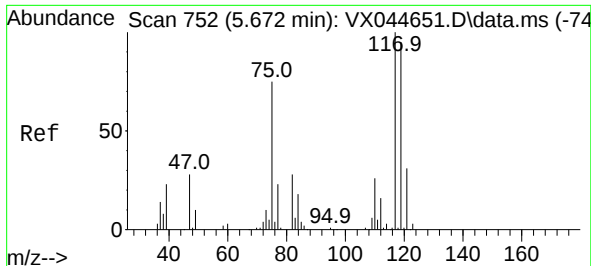
Tgt Ion: 75 Resp: 10163
Ion Ratio Lower Upper
75 100
110 7.5 17.9 53.8#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 1.251 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.031 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

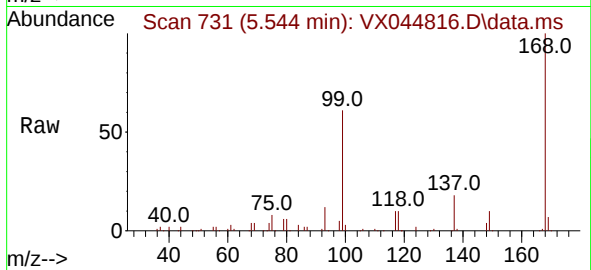
Tgt Ion: 43 Resp: 2845
Ion Ratio Lower Upper
43 100
61 5.1 10.9 16.3#
70 6.7 10.1 15.1#



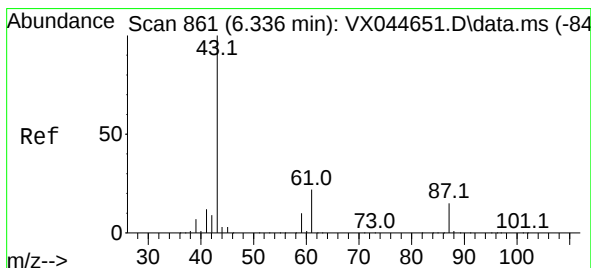
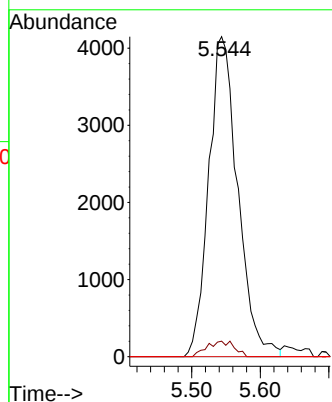
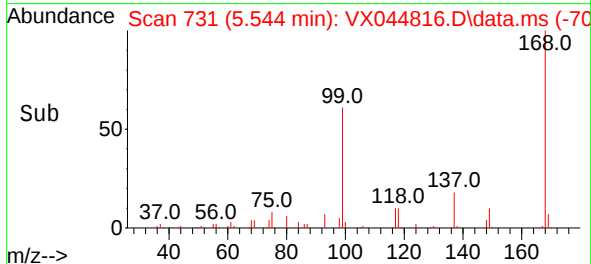


#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :

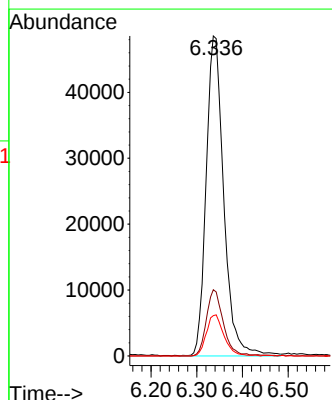
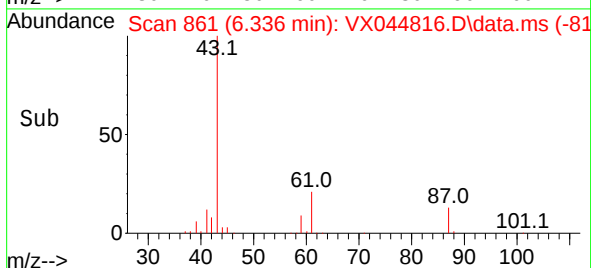
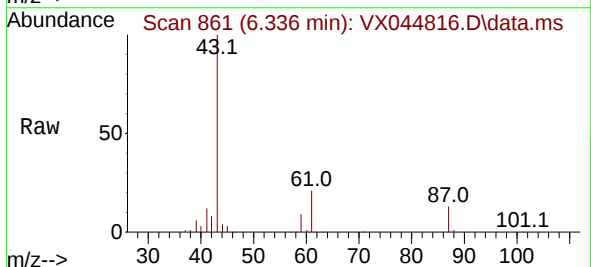


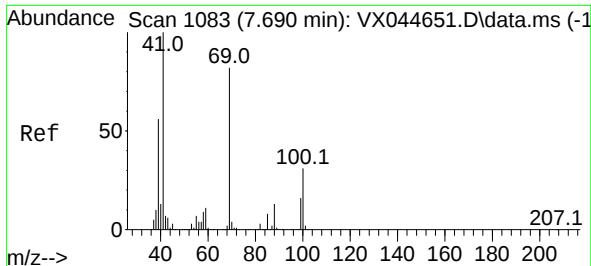
Tgt Ion:117 Resp: 12237
Ion Ratio Lower Upper
117 100
119 4.9 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 31.124 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 43 Resp: 130210
Ion Ratio Lower Upper
43 100
61 19.7 16.6 24.8
87 12.8 11.0 16.6





#48

Methyl methacrylate

Concen: 50.160 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX044816.D

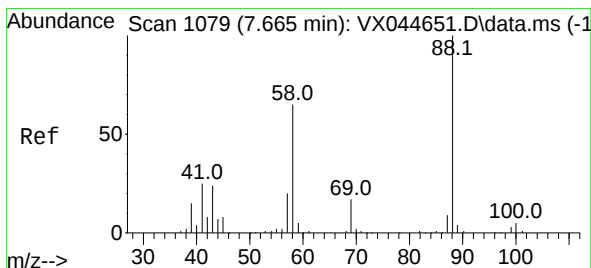
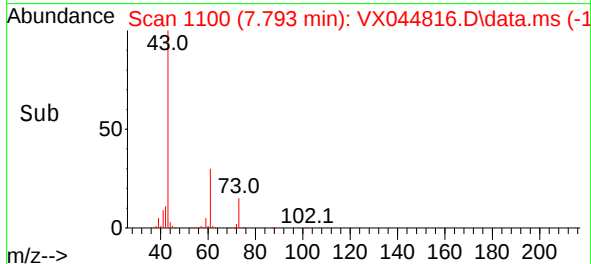
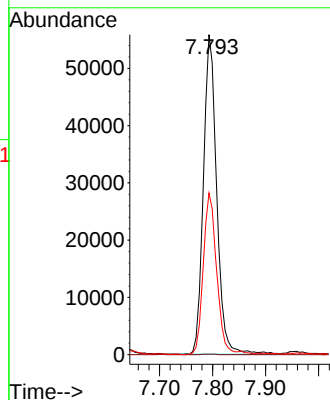
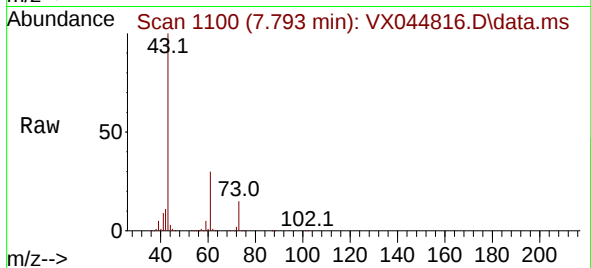
Acq: 03 Feb 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	97410
Ion	Ratio	Lower	Upper
41	100		
69	0.1	66.8	100.2#
39	51.2	47.4	71.0



#49

1,4-Dioxane

Concen: 0.494 ug/l

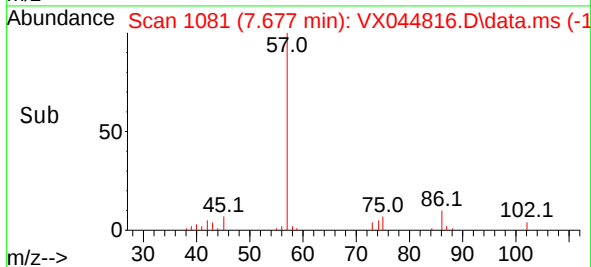
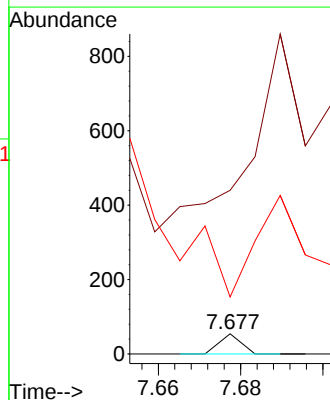
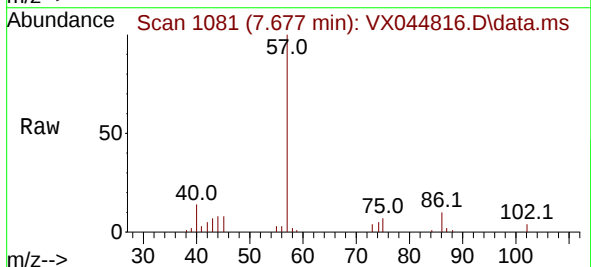
RT: 7.677 min Scan# 1081

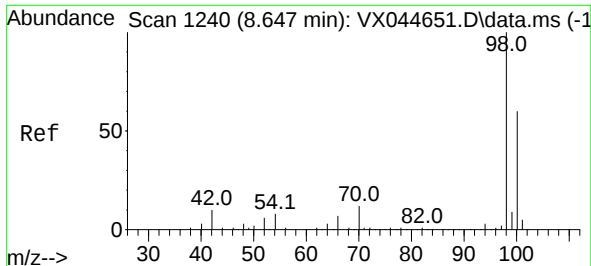
Delta R.T. 0.012 min

Lab File: VX044816.D

Acq: 03 Feb 2025 15:45

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.4#
58	3010.0	55.8	83.8#

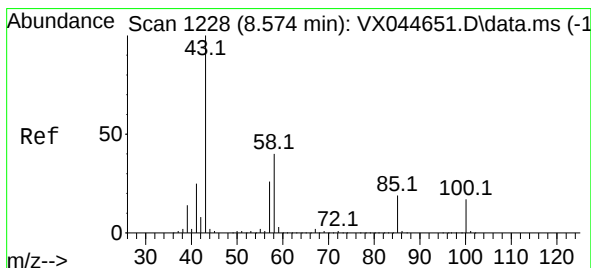
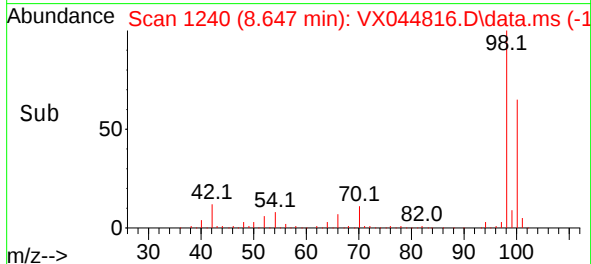
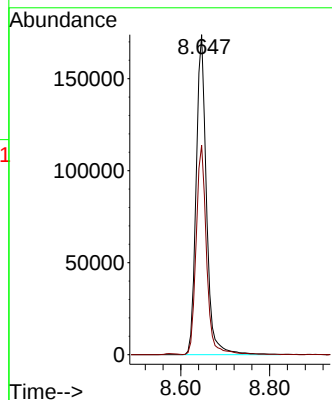
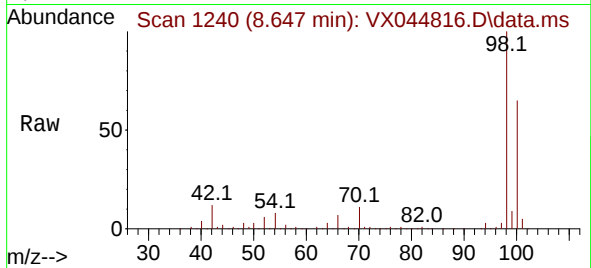




#50
Toluene-d8
Concen: 52.300 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

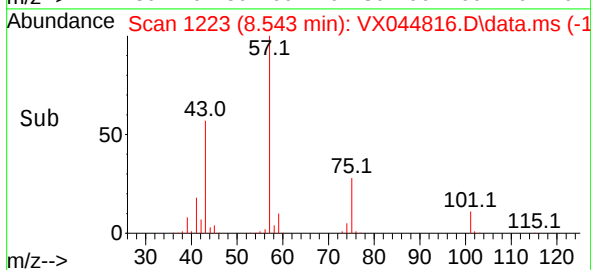
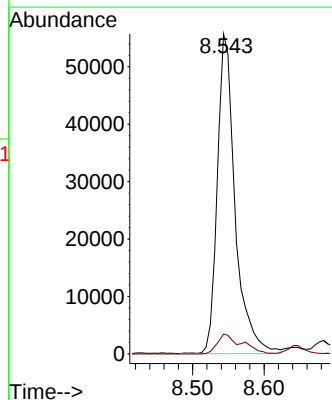
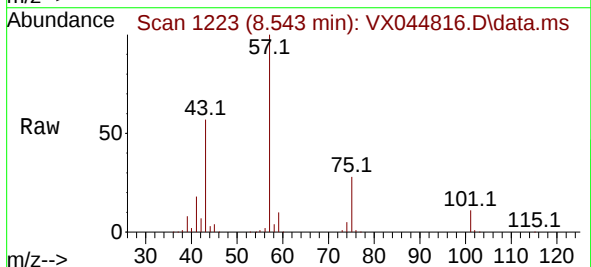
Instrument :
MSVOA_X
ClientSampleId :

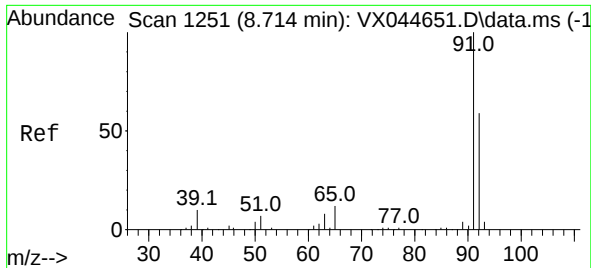
Tgt Ion: 98 Resp: 279762
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 41.593 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 43 Resp: 96163
Ion Ratio Lower Upper
43 100
58 8.6 31.9 47.9#

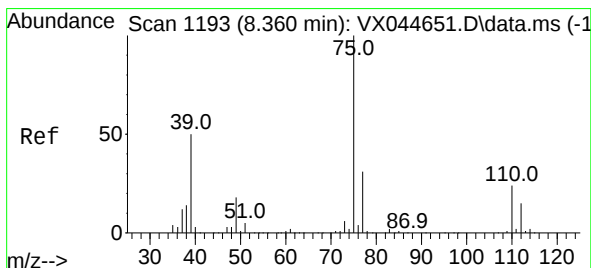
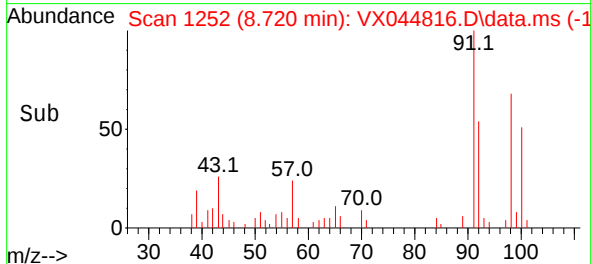
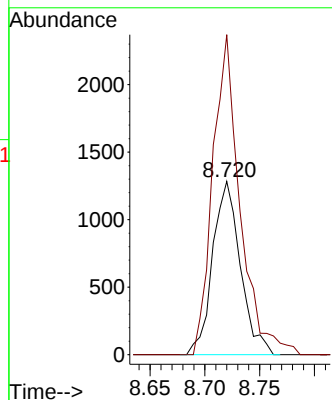
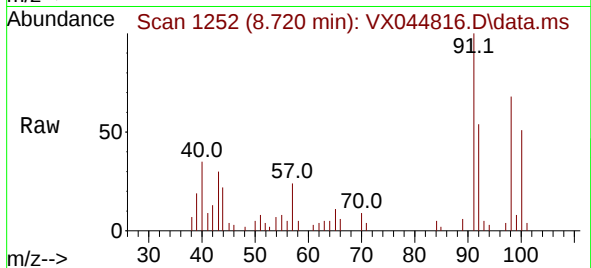




#52
Toluene
Concen: 0.557 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

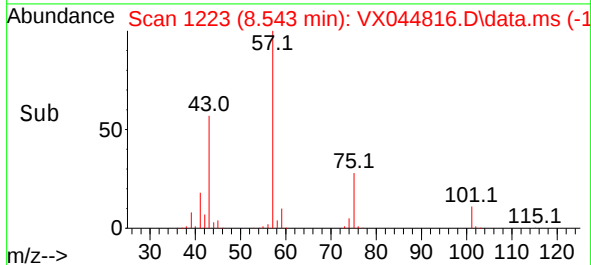
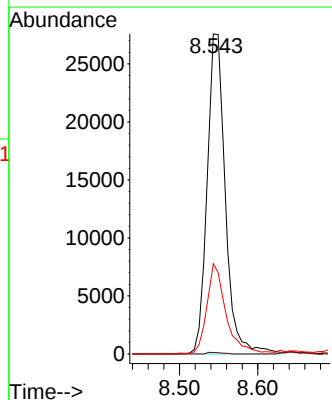
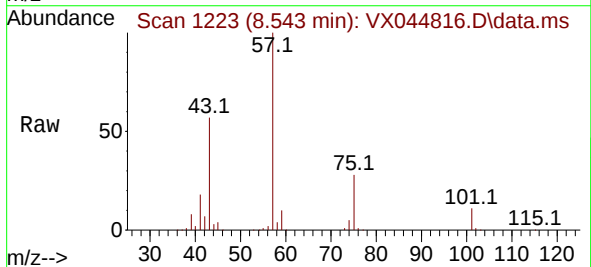
Instrument :
MSVOA_X
ClientSampleId :

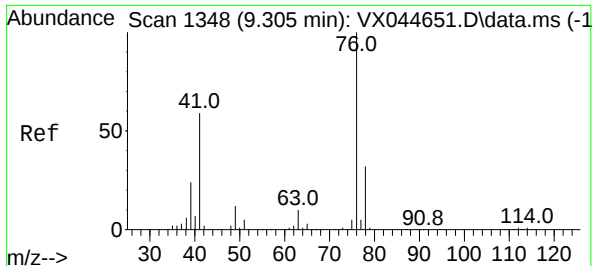
Tgt Ion: 92 Resp: 2255
Ion Ratio Lower Upper
92 100
91 182.0 135.7 203.5



#54
cis-1,3-Dichloropropene
Concen: 15.221 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.183 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 75 Resp: 44342
Ion Ratio Lower Upper
75 100
77 0.5 25.1 37.7#
39 27.9 40.3 60.5#





#57

1,3-Dichloropropane

Concen: 1.868 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX044816.D

Acq: 03 Feb 2025 15:45

Instrument :

MSVOA_X

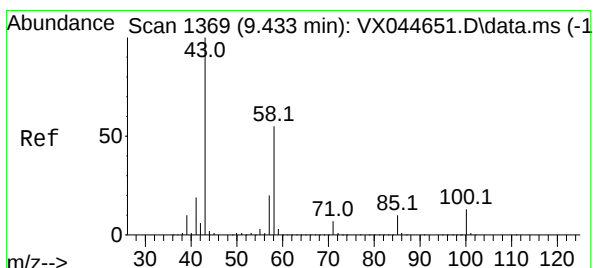
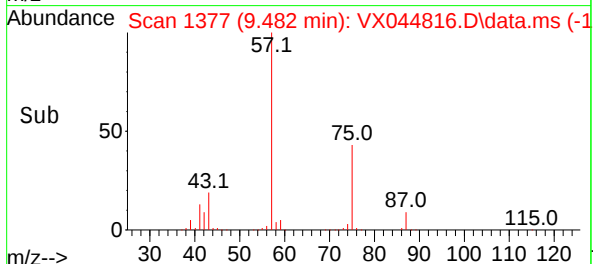
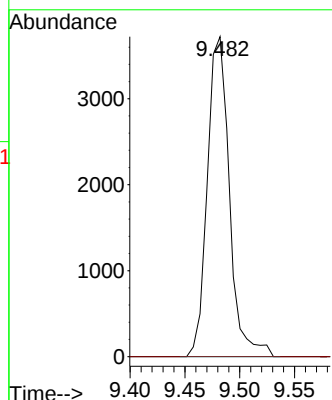
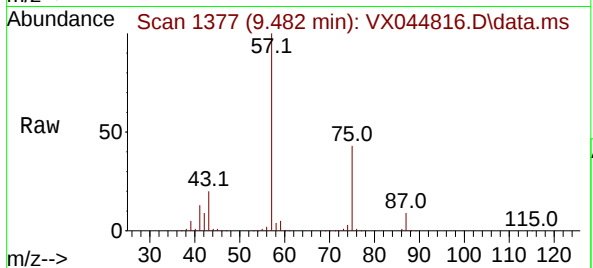
ClientSampleId :

Tgt Ion: 76 Resp: 5214

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 43.383 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX044816.D

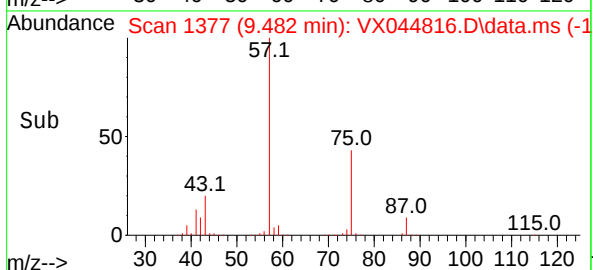
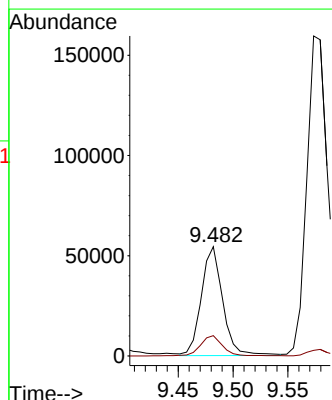
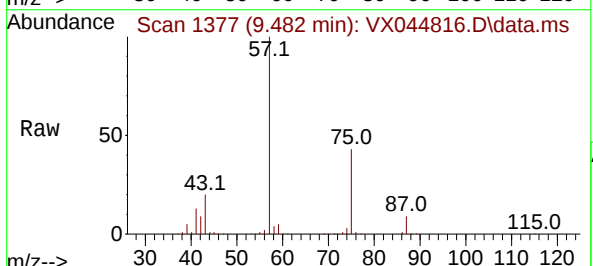
Acq: 03 Feb 2025 15:45

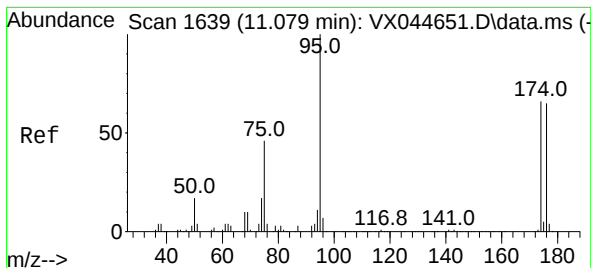
Tgt Ion: 43 Resp: 73793

Ion Ratio Lower Upper

43 100

58 19.7 27.8 83.3#

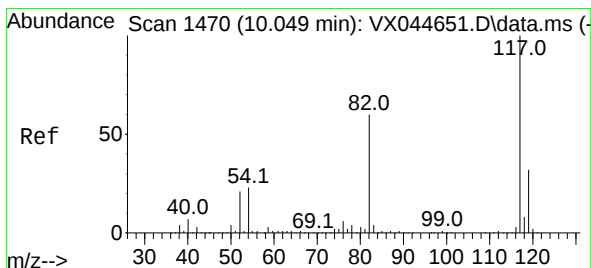
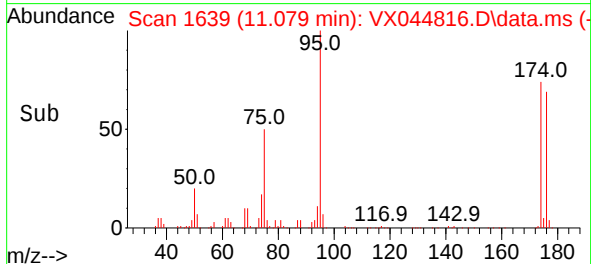
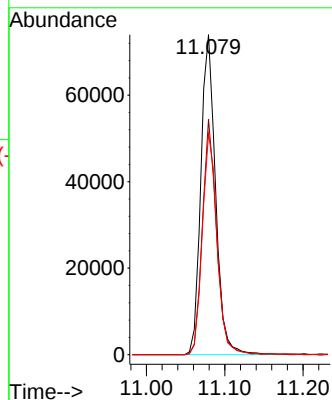
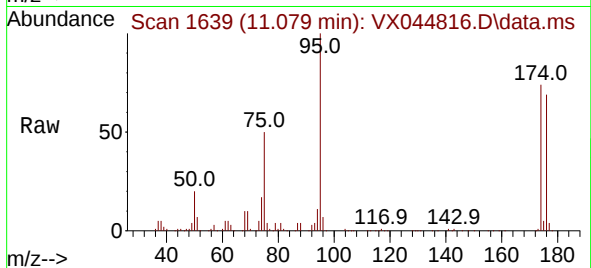




#62
4-Bromofluorobenzene
Concen: 48.430 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

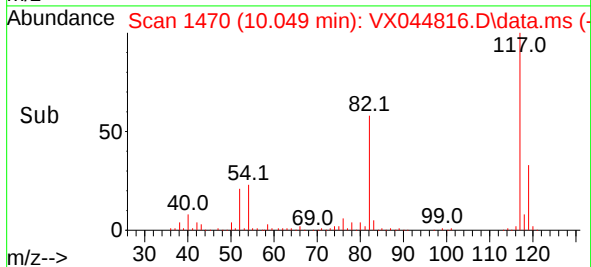
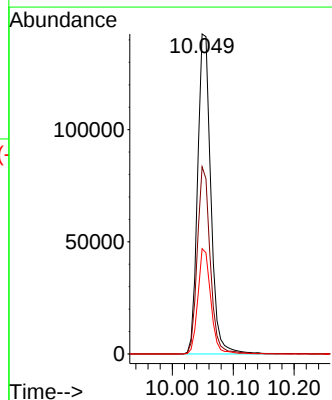
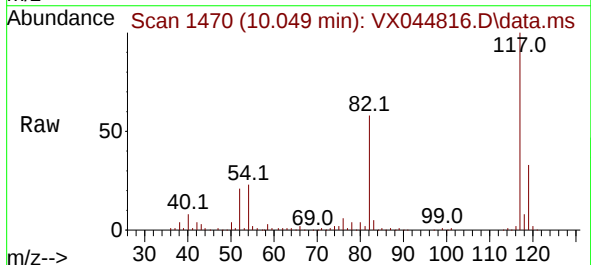
Instrument :
MSVOA_X
ClientSampleId :

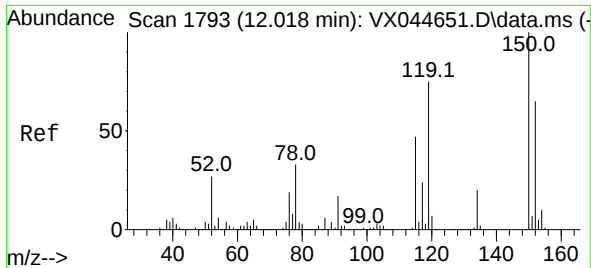
Tgt Ion: 95 Resp: 96576
Ion Ratio Lower Upper
95 100
174 71.3 0.0 133.0
176 69.3 0.0 129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion: 117 Resp: 213988
Ion Ratio Lower Upper
117 100
82 58.5 47.6 71.4
119 32.9 25.4 38.2

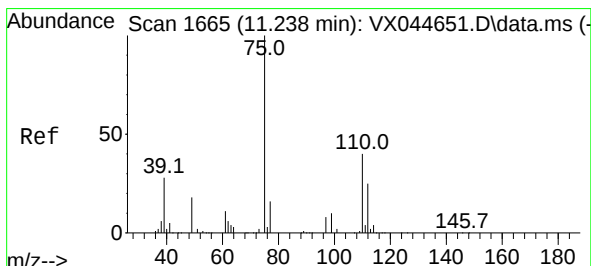
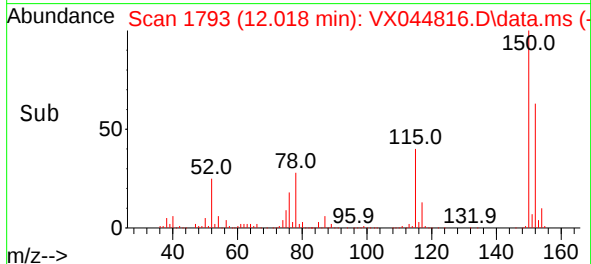
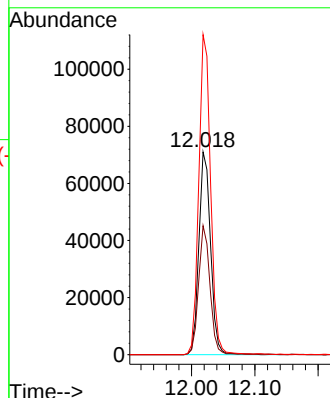
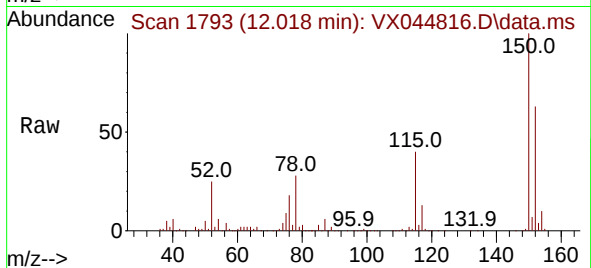




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044816.D
 Acq: 03 Feb 2025 15:45

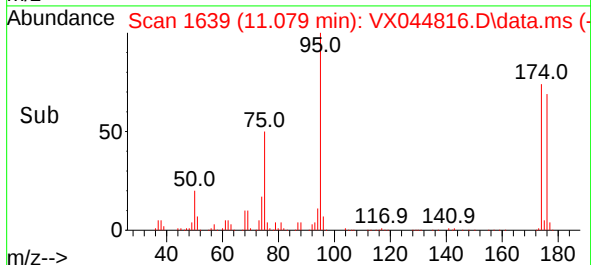
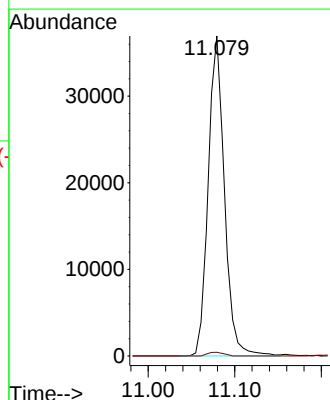
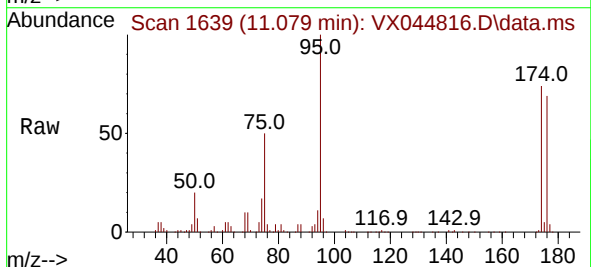
Instrument :
 MSVOA_X
 ClientSampleId :

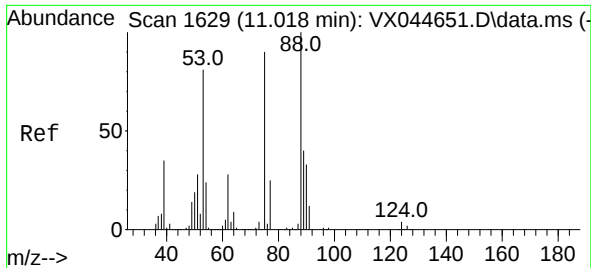
Tgt Ion:152 Resp: 91814
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.8 131.4
 150 158.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 21.569 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX044816.D
 Acq: 03 Feb 2025 15:45

Tgt Ion: 75 Resp: 48061
 Ion Ratio Lower Upper
 75 100
 77 1.2 23.4 70.2#

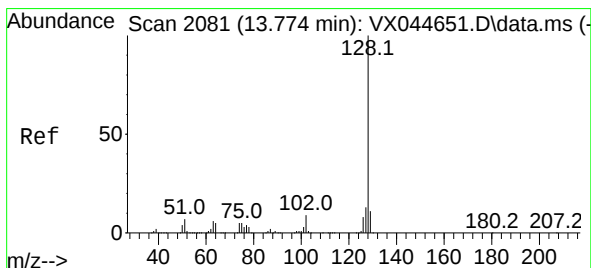
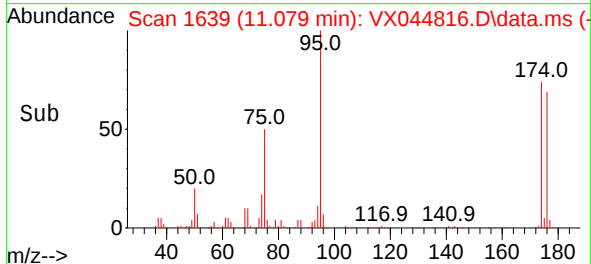
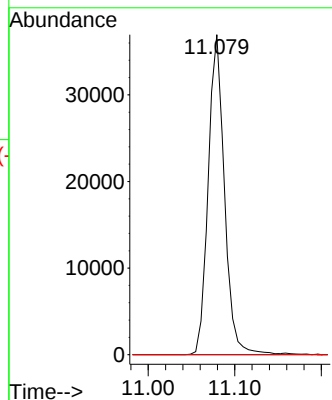
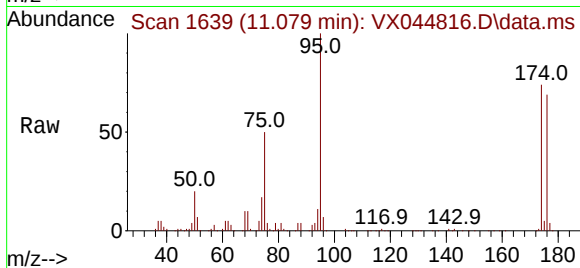




#81
trans-1,4-Dichloro-2-butene
Concen: 49.326 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 48061
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 0.243 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044816.D
Acq: 03 Feb 2025 15:45

Tgt Ion:128 Resp: 1752
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 8.8 8.7 13.1

