

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043227.D
 Acq On : 02 Oct 2024 13:29
 Operator : JC/MD
 Sample : PB163826ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 23:02:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

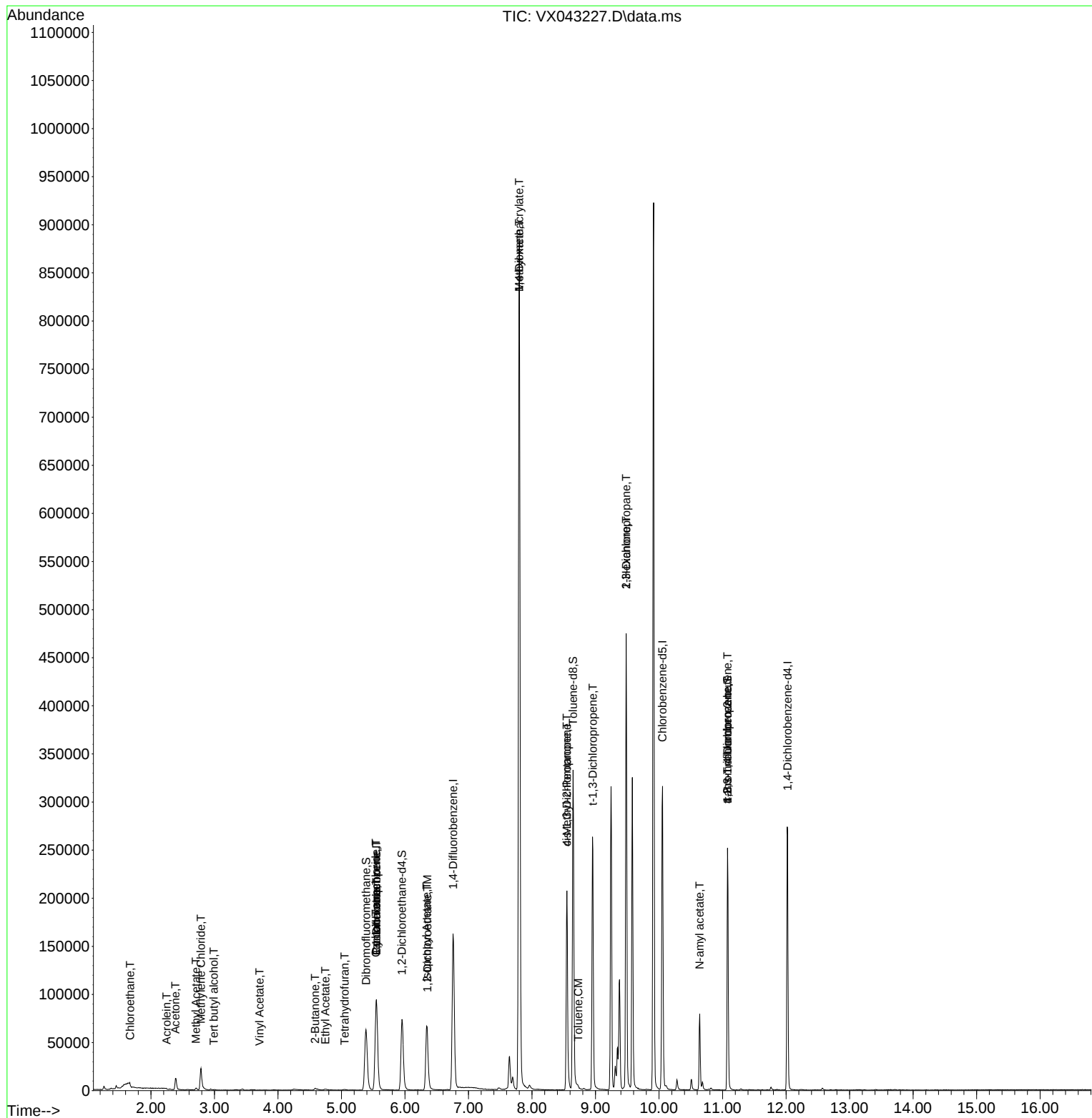
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	86810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164518	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75280	53.099	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.200%
35) Dibromofluoromethane	5.385	113	55843	49.219	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.440%
50) Toluene-d8	8.647	98	192066	48.849	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.700%
62) 4-Bromofluorobenzene	11.079	95	65884	46.124	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.240%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	95	0.245	ug/l #	42
11) Tert butyl alcohol	2.989	59	553	2.050	ug/l #	91
13) Acrolein	2.245	56	102	0.400	ug/l #	14
16) Acetone	2.386	43	14830	25.048	ug/l	91
18) Methyl Acetate	2.709	43	2675	1.801	ug/l	97
20) Methylene Chloride	2.788	84	11985	10.979	ug/l	93
23) Vinyl Acetate	3.709	43	41	6.350	ug/l #	71
25) 2-Butanone	4.586	43	4314	5.314	ug/l	93
29) Tetrahydrofuran	5.050	42	594	1.149	ug/l #	58
31) Cyclohexane	5.550	56	2042	1.335	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	7299	5.092	ug/l #	49
37) Ethyl Acetate	4.745	43	2018	1.172	ug/l #	86
38) Carbon Tetrachloride	5.544	117	9400	5.540	ug/l #	15
42) 1,2-Dichloroethane	6.354	62	391	0.221	ug/l #	77
43) Isopropyl Acetate	6.342	43	97761	34.386	ug/l	99
48) Methyl methacrylate	7.799	41	82301	58.998	ug/l #	45
49) 1,4-Dioxane	7.799	88	103	3.798	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	75009	43.440	ug/l #	50
52) Toluene	8.726	92	670	0.246	ug/l	84
53) t-1,3-Dichloropropene	8.958	75	549	0.329	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32715	18.270	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	4031	2.187	ug/l #	43
59) 2-Hexanone	9.482	43	59483	45.554	ug/l #	53
74) N-amyl acetate	10.640	43	20257	9.659	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	35930	28.507	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	35930	73.881	ug/l #	8

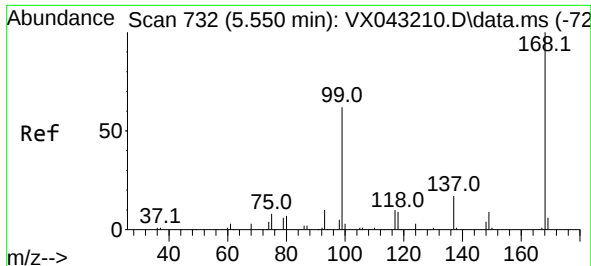
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
Data File : VX043227.D
Acq On : 02 Oct 2024 13:29
Operator : JC/MD
Sample : PB163826ZHE#06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

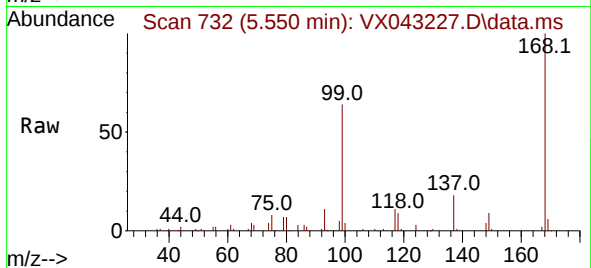
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



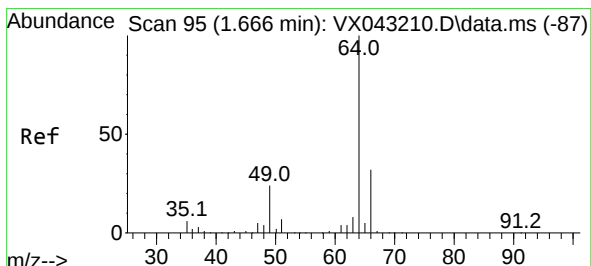
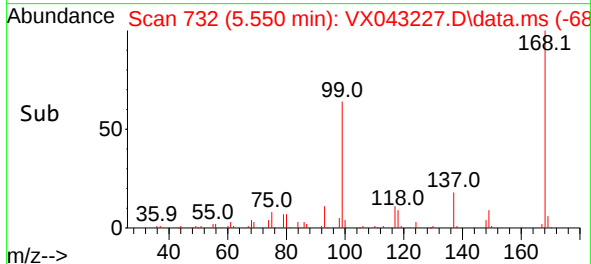
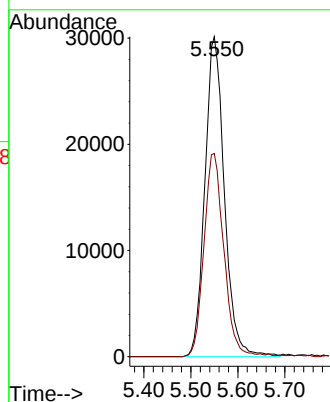


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Instrument :
MSVOA_X
ClientSampleId :

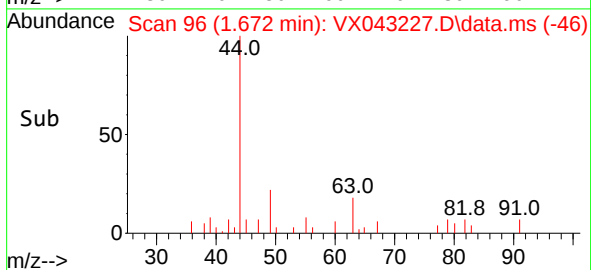
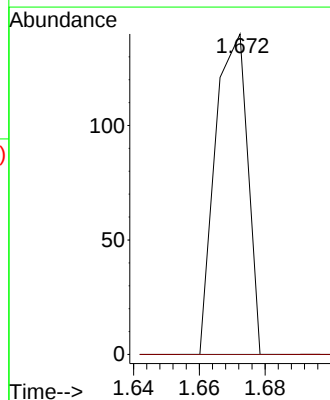
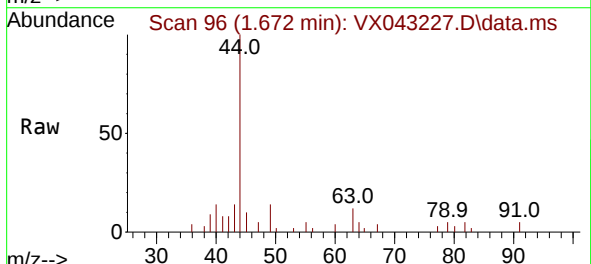


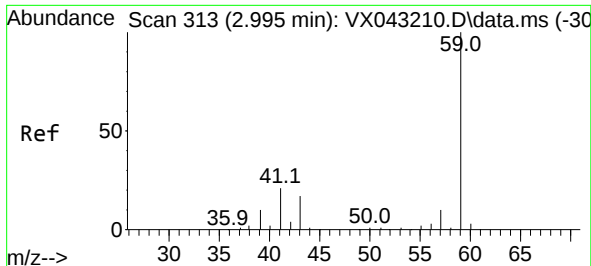
Tgt Ion:168 Resp: 86810
Ion Ratio Lower Upper
168 100
99 63.5 49.7 74.5



#6
Chloroethane
Concen: 0.245 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

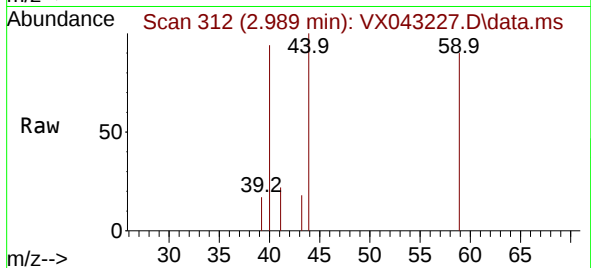
Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



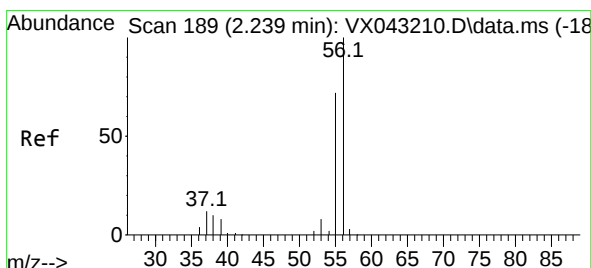
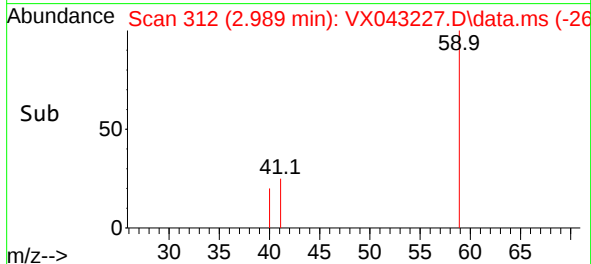
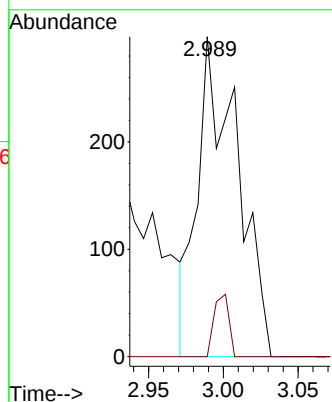


#11
Tert butyl alcohol
Concen: 2.050 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Instrument :
MSVOA_X
ClientSampleId :

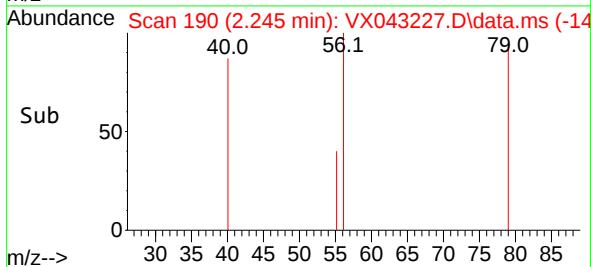
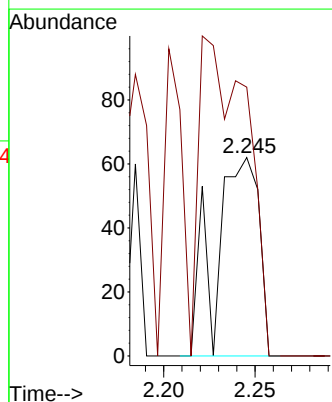
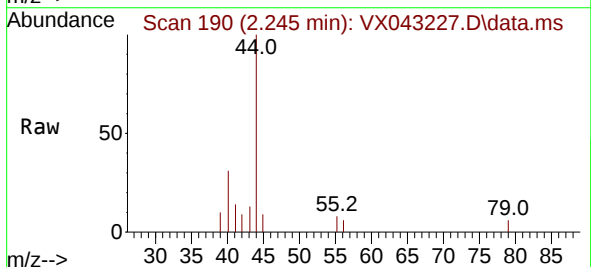


Tgt Ion: 59 Resp: 553
Ion Ratio Lower Upper
59 100
57 7.2 8.6 13.0#



#13
Acrolein
Concen: 0.400 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

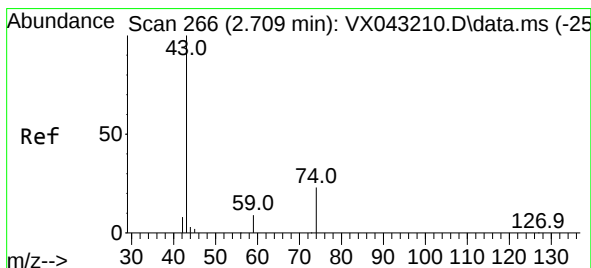
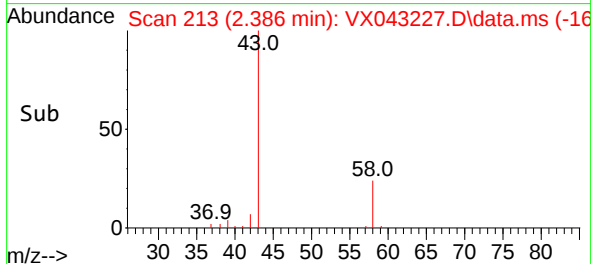
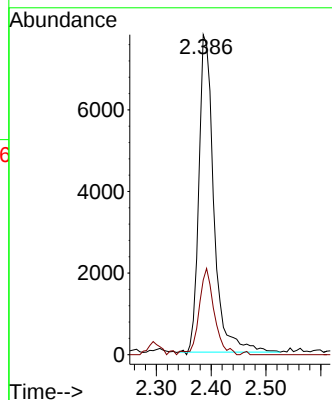
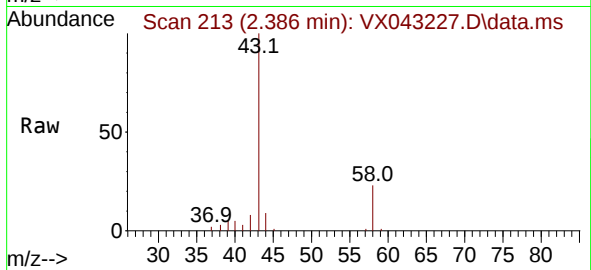




#16
Acetone
Concen: 25.048 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

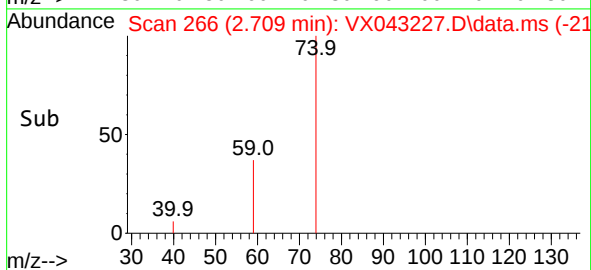
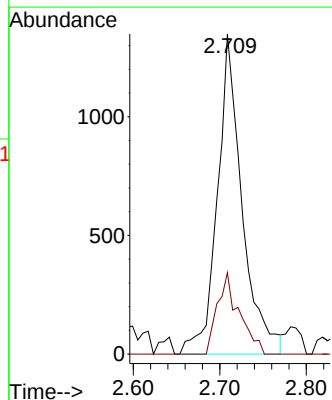
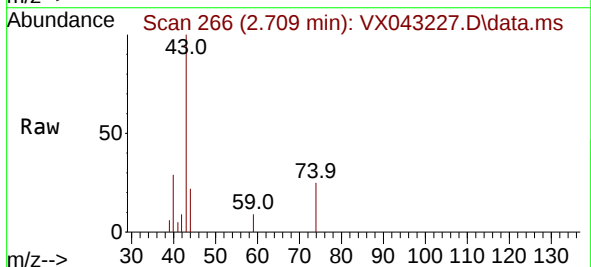
Instrument :
MSVOA_X
ClientSampleId :

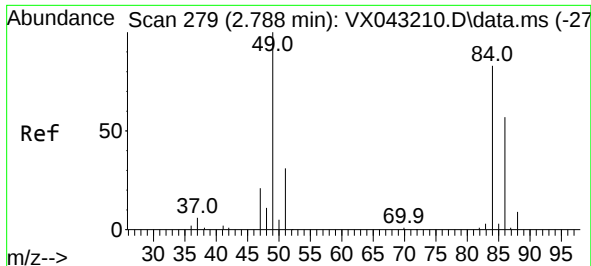
Tgt Ion: 43 Resp: 14830
Ion Ratio Lower Upper
43 100
58 23.5 22.6 33.8



#18
Methyl Acetate
Concen: 1.801 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

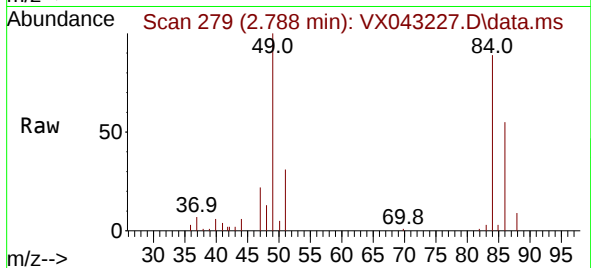
Tgt Ion: 43 Resp: 2675
Ion Ratio Lower Upper
43 100
74 22.5 19.1 28.7



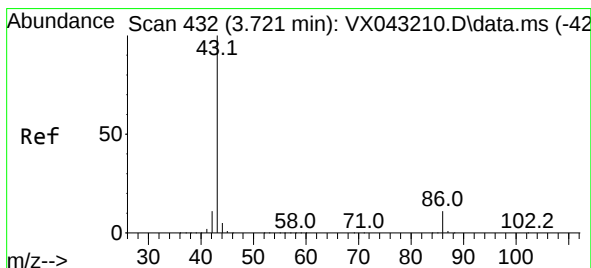
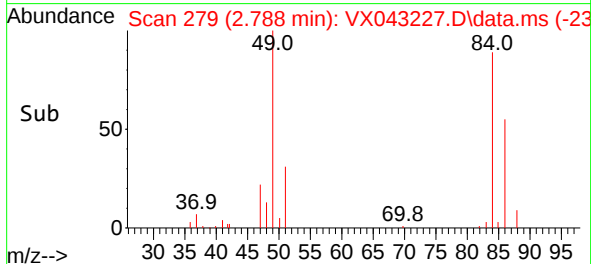
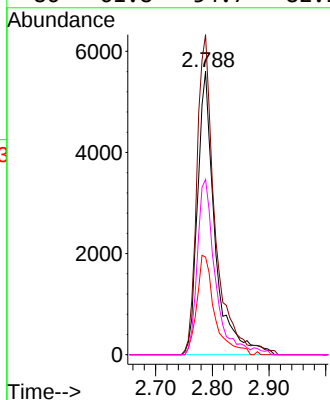


#20
Methylene Chloride
Concen: 10.979 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Instrument :
MSVOA_X
ClientSampleId :

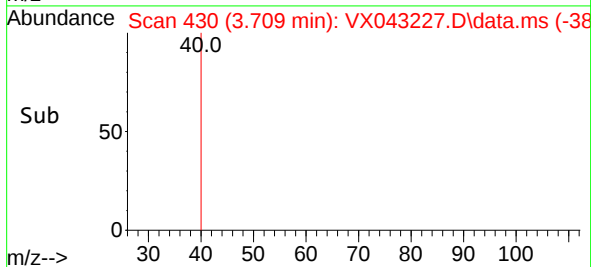
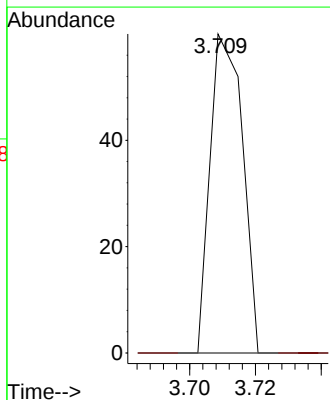
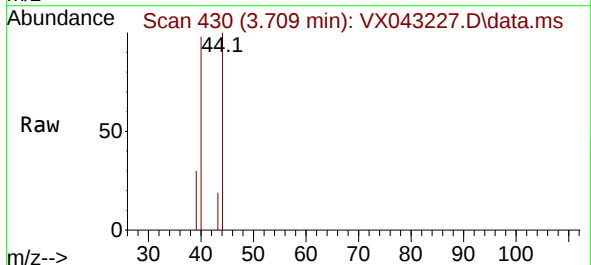


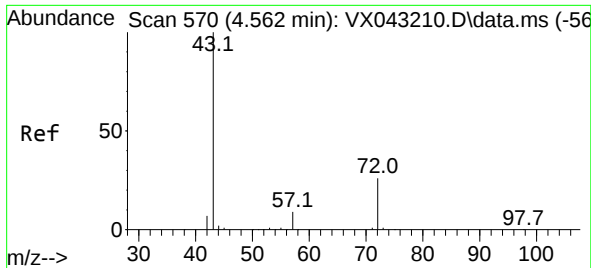
Tgt Ion: 84	Resp: 11985
Ion Ratio	Lower Upper
84 100	
49 113.0	96.7 145.1
51 34.5	30.4 45.6
86 61.8	54.7 82.1



#23
Vinyl Acetate
Concen: 6.350 ug/l
RT: 3.709 min Scan# 430
Delta R.T. -0.012 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 43	Resp: 41
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#

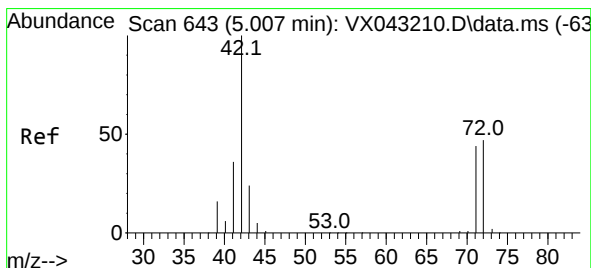
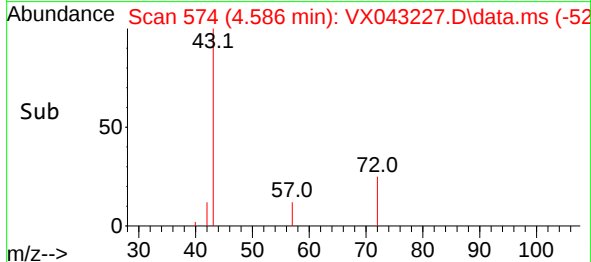
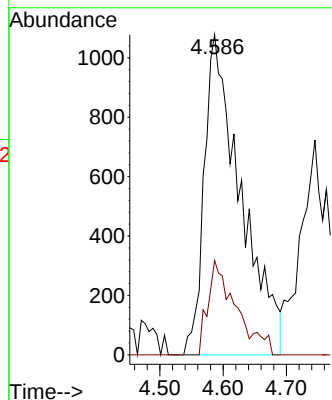
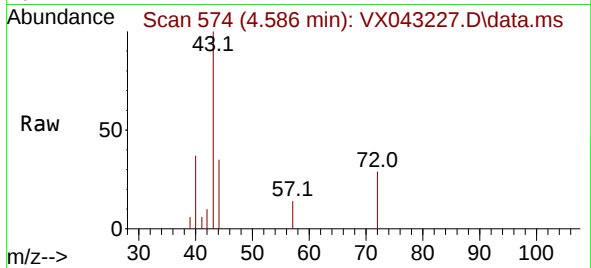




#25
2-Butanone
Concen: 5.314 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

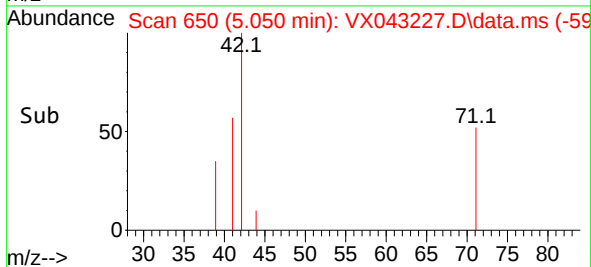
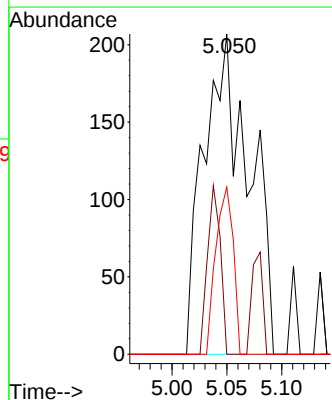
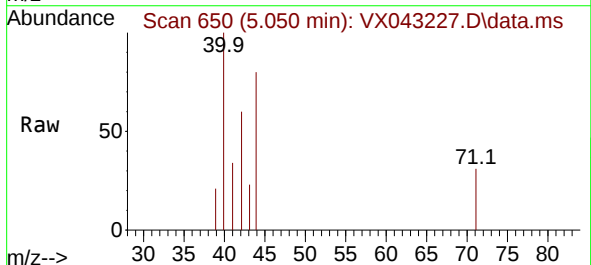
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ClientSampleId :

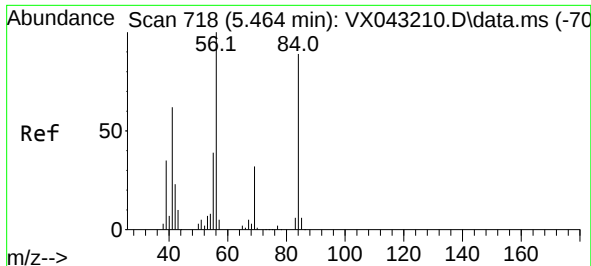
Tgt Ion: 43 Resp: 4314
Ion Ratio Lower Upper
43 100
72 29.5 20.6 31.0



#29
Tetrahydrofuran
Concen: 1.149 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.043 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

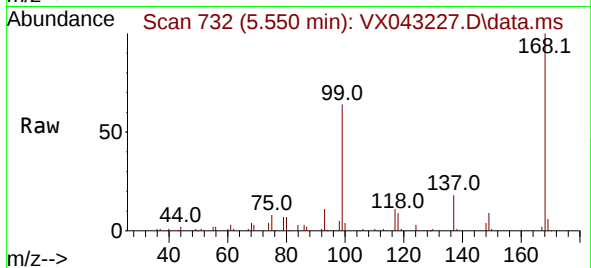
Tgt Ion: 42 Resp: 594
Ion Ratio Lower Upper
42 100
72 14.8 37.7 56.5#
71 20.2 34.6 52.0#



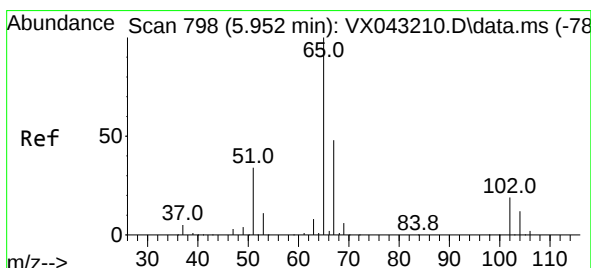
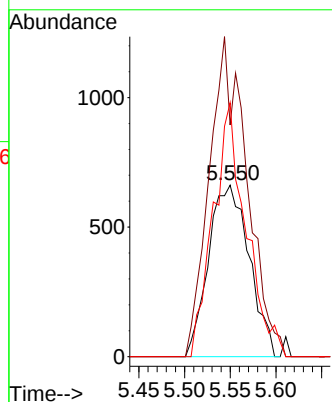
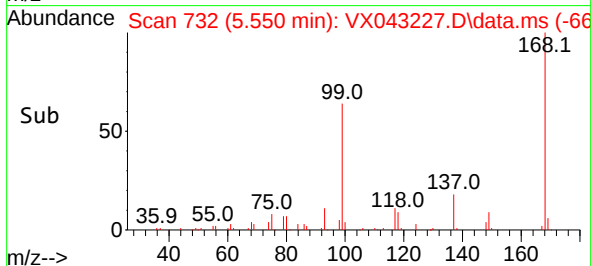


#31
Cyclohexane
Concen: 1.335 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Instrument :
MSVOA_X
ClientSampleId :

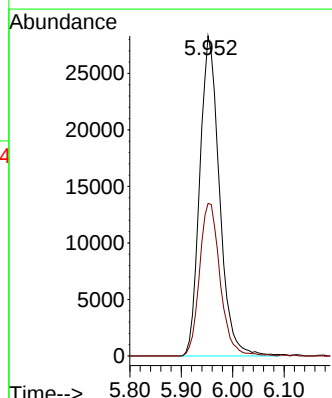
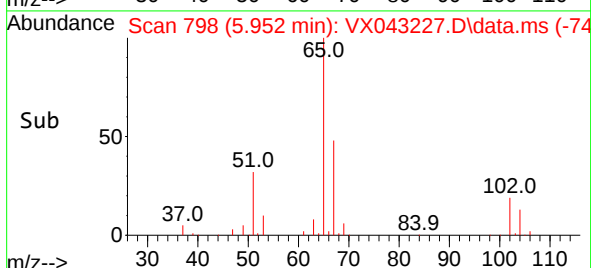
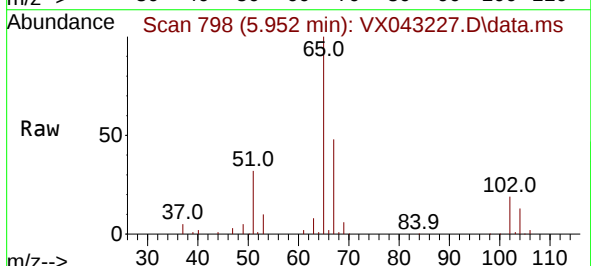


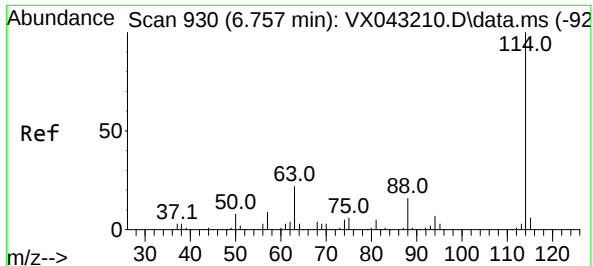
Tgt Ion: 56 Resp: 2042
Ion Ratio Lower Upper
56 100
69 135.0 25.8 38.6#
84 148.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.099 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 65 Resp: 75280
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.0

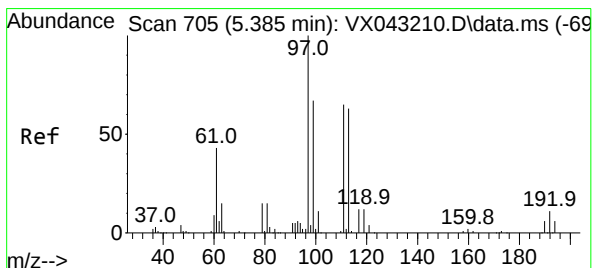
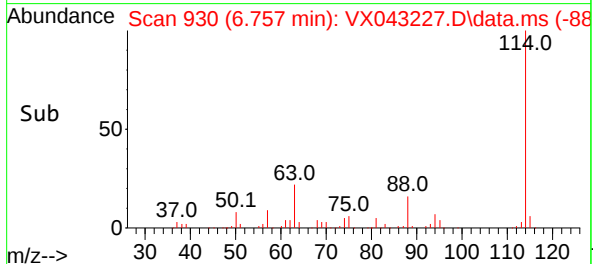
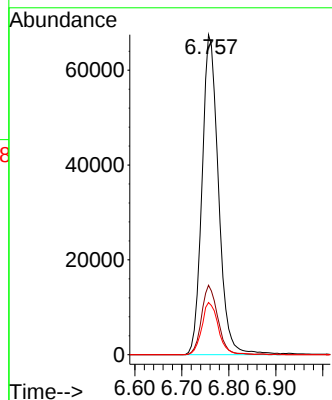
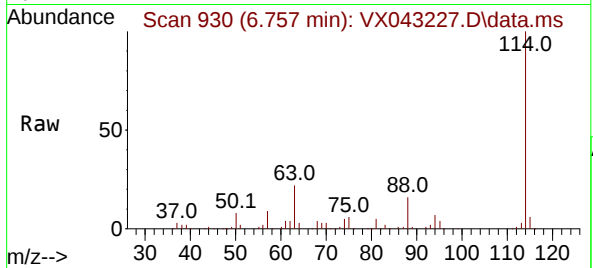




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

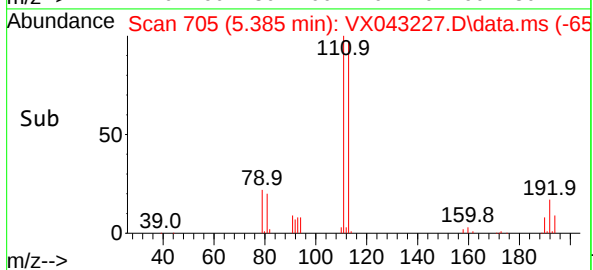
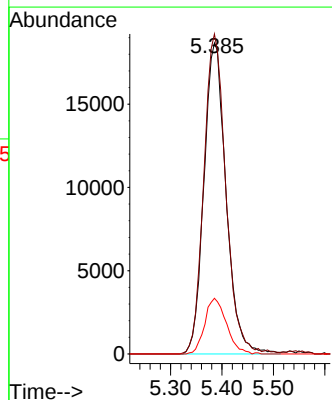
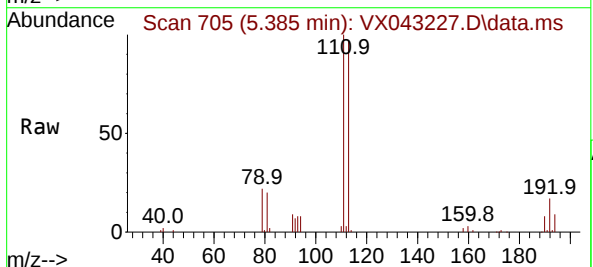
Instrument :
MSVOA_X
ClientSampleId :

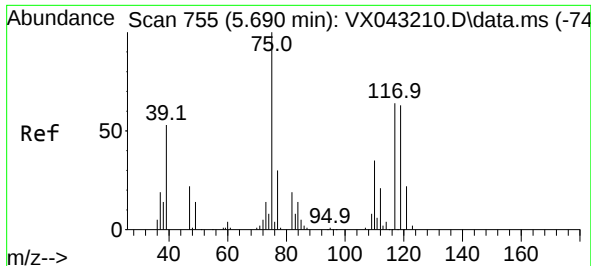
Tgt Ion:114 Resp: 164518
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.0
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.219 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion:113 Resp: 55843
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 17.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

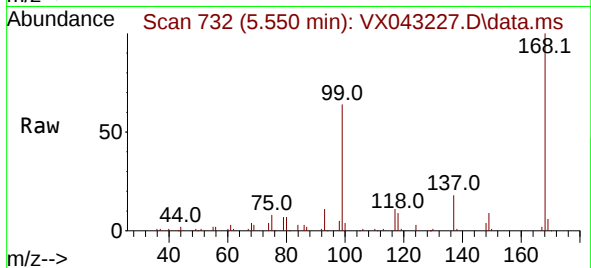
Lab File: VX043227.D

Acq: 02 Oct 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :



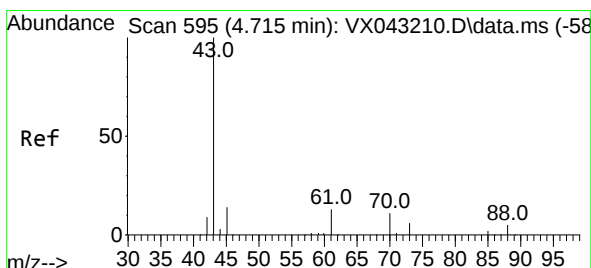
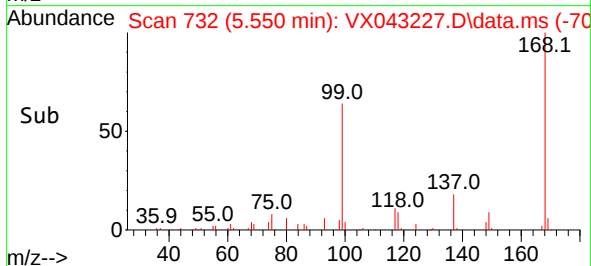
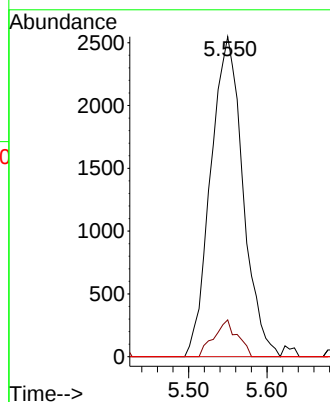
Tgt Ion: 75 Resp: 7299

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.172 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

Lab File: VX043227.D

Acq: 02 Oct 2024 13:29

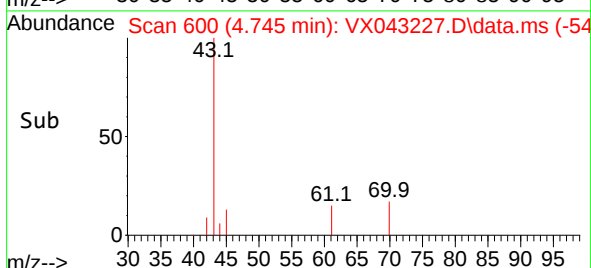
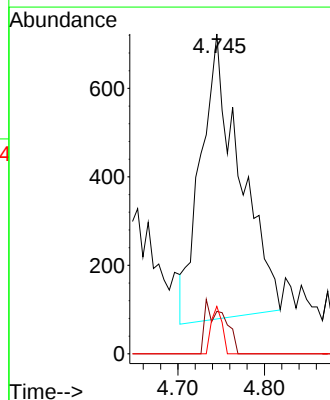
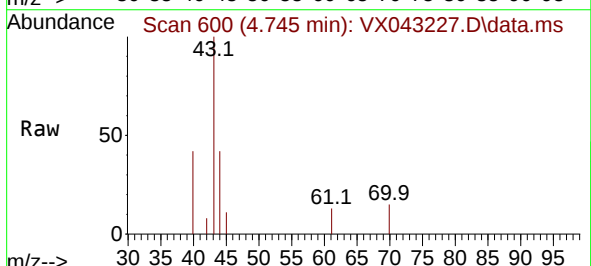
Tgt Ion: 43 Resp: 2018

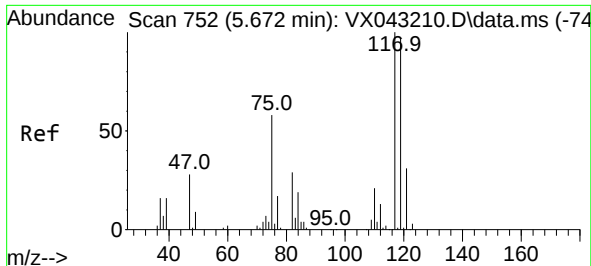
Ion Ratio Lower Upper

43 100

61 9.2 11.0 16.4#

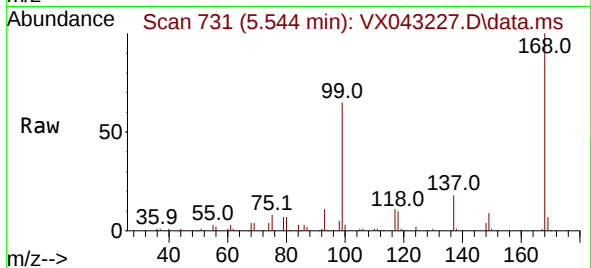
70 4.6 8.9 13.3#



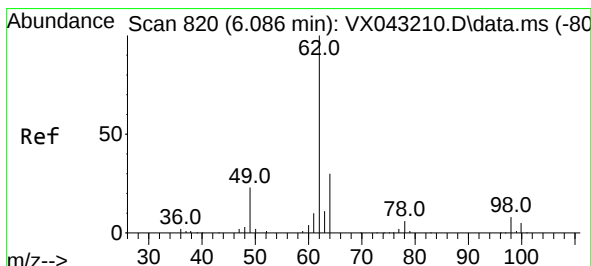
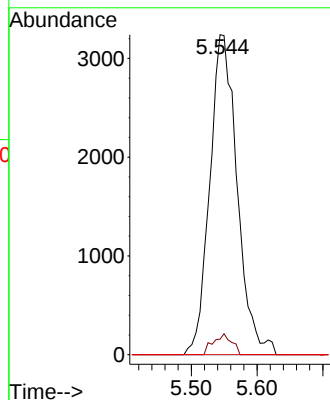
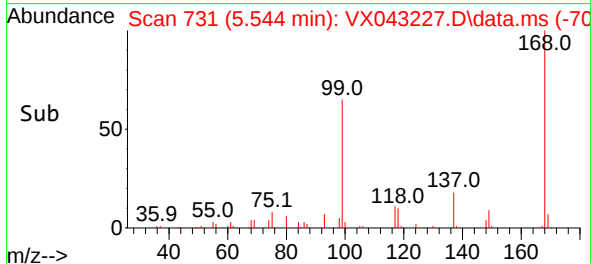


#38
Carbon Tetrachloride
Concen: 5.540 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Instrument :
MSVOA_X
ClientSampleId :

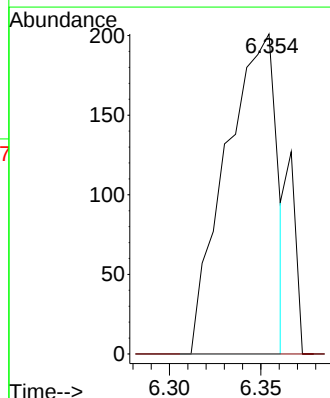
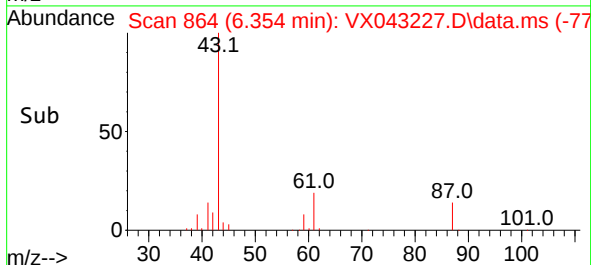
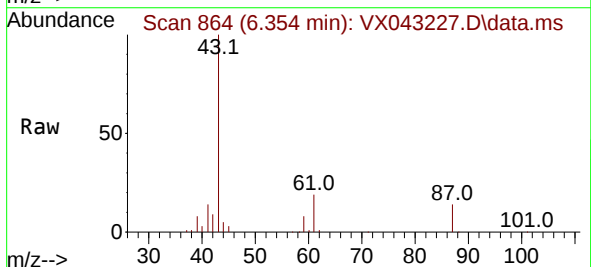


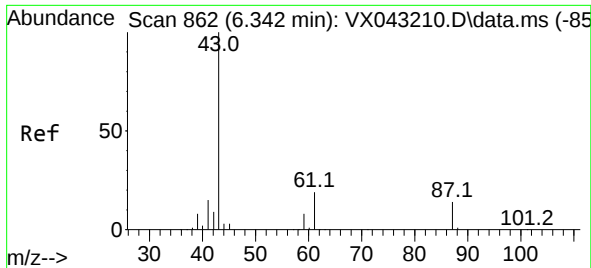
Tgt Ion:117 Resp: 9400
Ion Ratio Lower Upper
117 100
119 4.9 77.7 116.5#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.221 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.268 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 62 Resp: 391
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

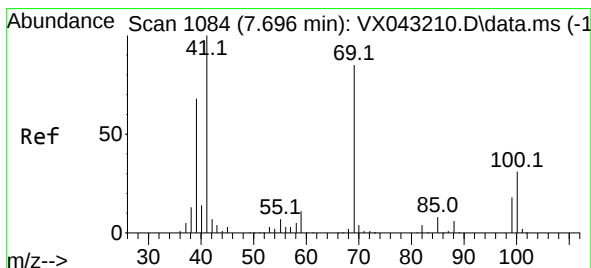
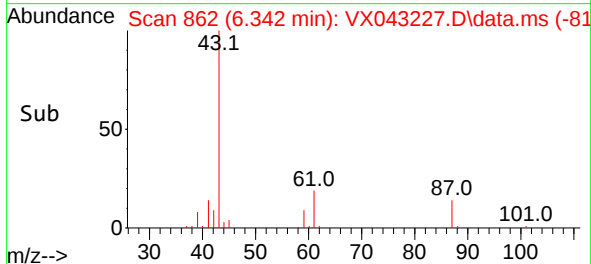
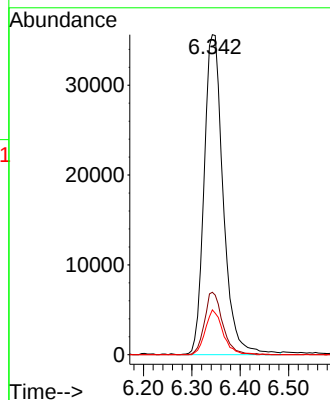
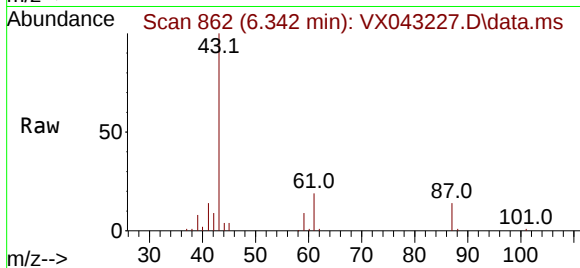




#43
Isopropyl Acetate
Concen: 34.386 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

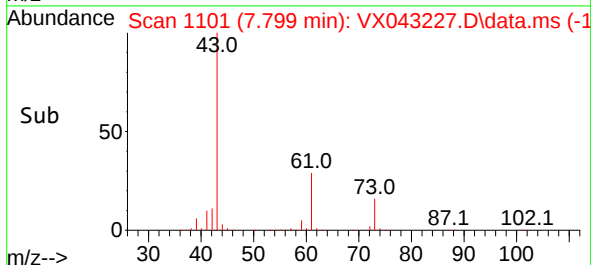
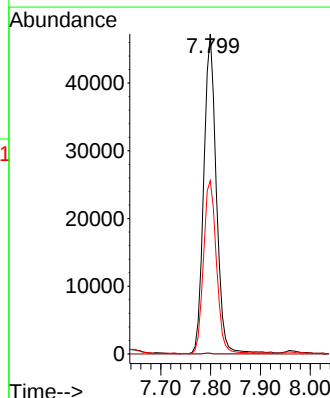
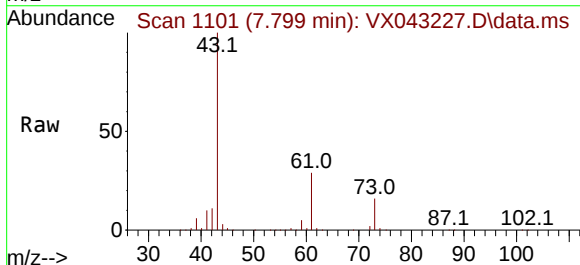
Instrument :
MSVOA_X
ClientSampleId :

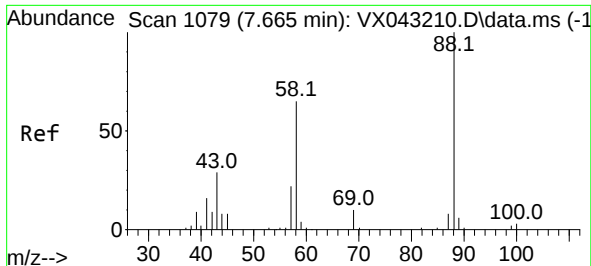
Tgt Ion: 43 Resp: 97761
Ion Ratio Lower Upper
43 100
61 18.5 15.1 22.7
87 12.8 10.8 16.2



#48
Methyl methacrylate
Concen: 58.998 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 41 Resp: 82301
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.1 52.8 79.2

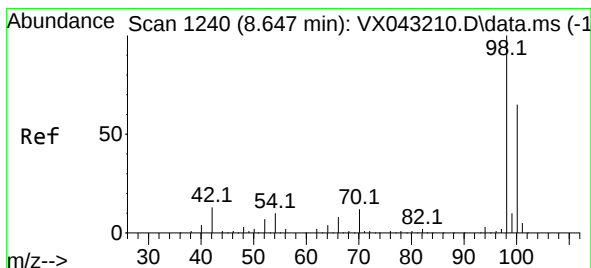
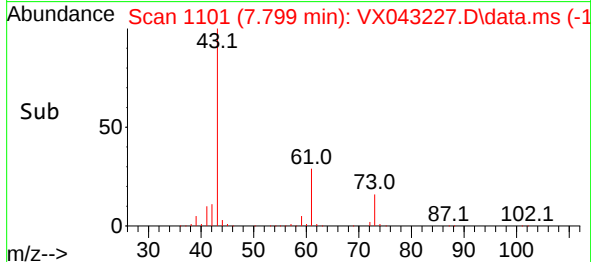
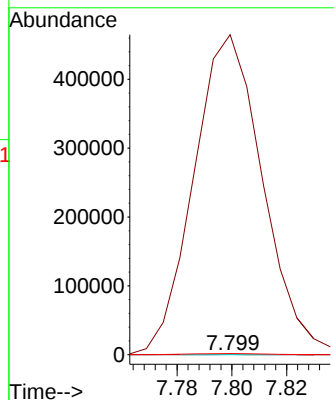
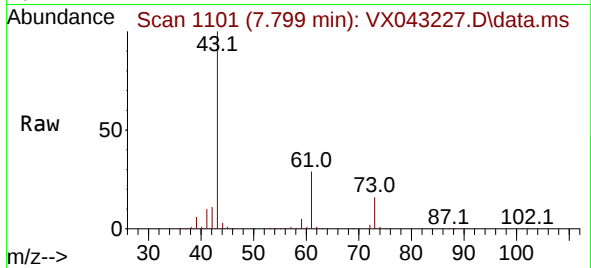




#49
1,4-Dioxane
Concen: 3.798 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

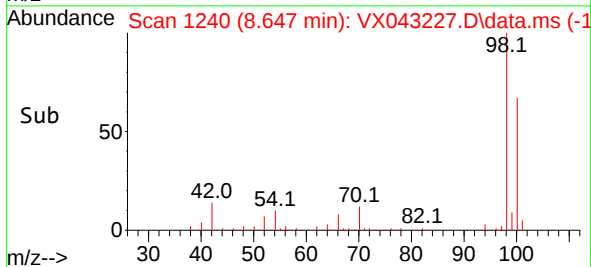
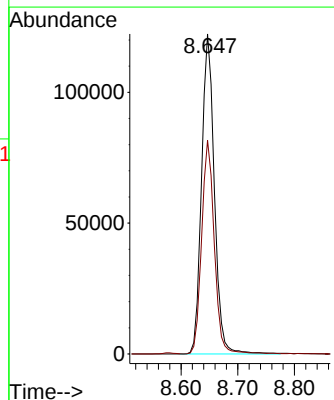
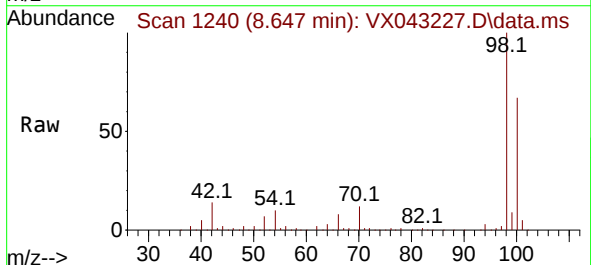
Instrument :
MSVOA_X
ClientSampleId :

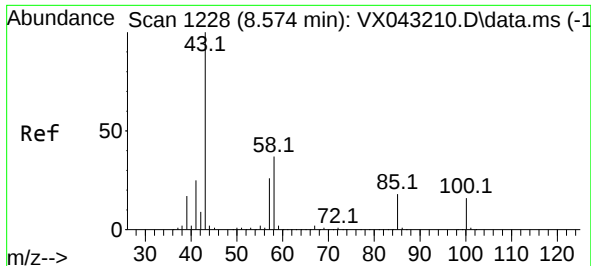
Tgt Ion: 88 Resp: 103
Ion Ratio Lower Upper
88 100
43 802983.5 29.5 44.3#
58 3078.6 55.2 82.8#



#50
Toluene-d8
Concen: 48.849 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 98 Resp: 192066
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

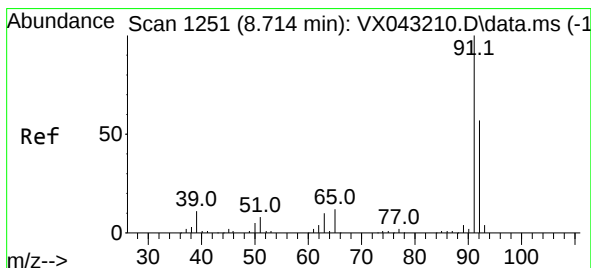
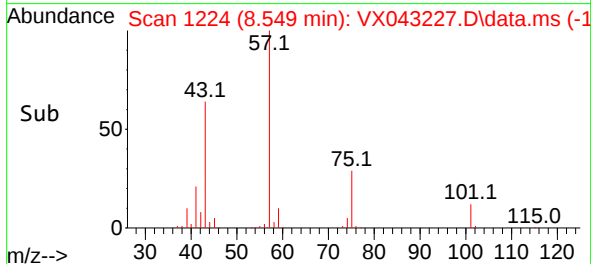
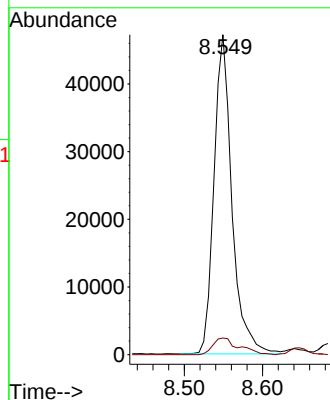
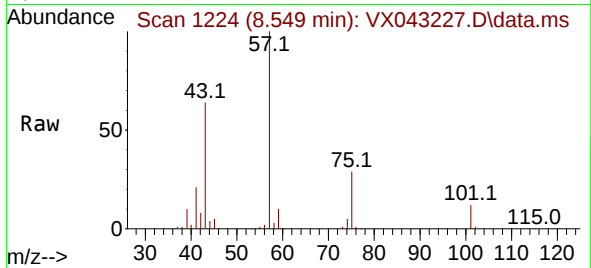




#51
4-Methyl-2-Pentanone
Concen: 43.440 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

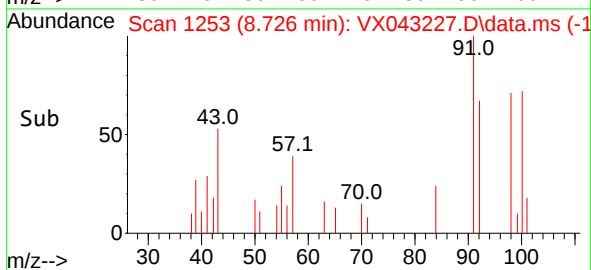
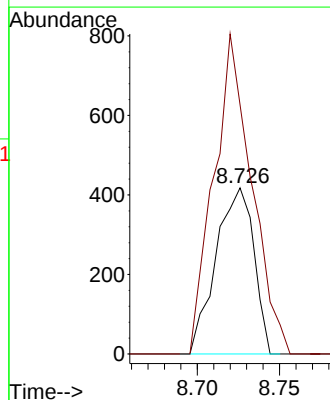
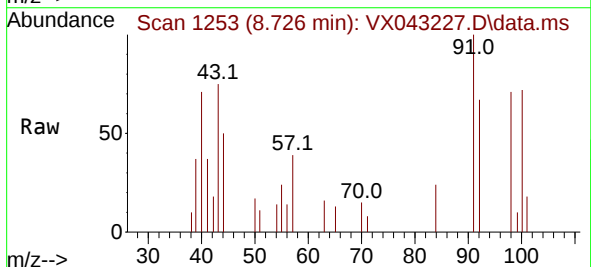
Instrument :
MSVOA_X
ClientSampleId :

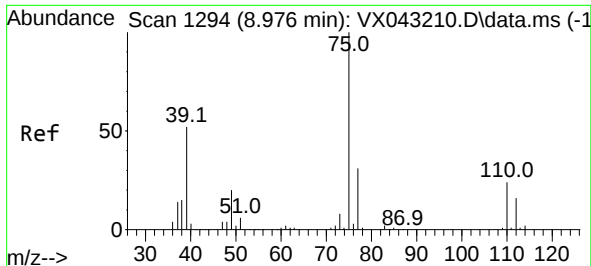
Tgt Ion: 43 Resp: 75009
Ion Ratio Lower Upper
43 100
58 7.6 30.0 45.0#



#52
Toluene
Concen: 0.246 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 92 Resp: 670
Ion Ratio Lower Upper
92 100
91 193.0 137.0 205.4

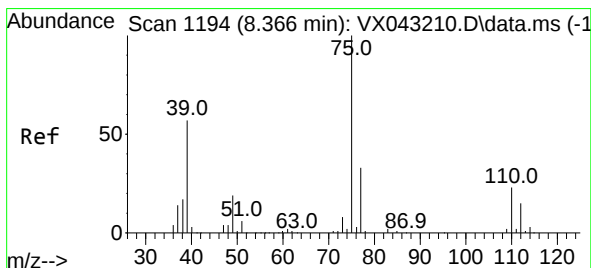
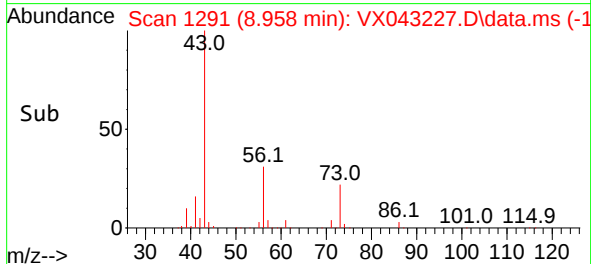
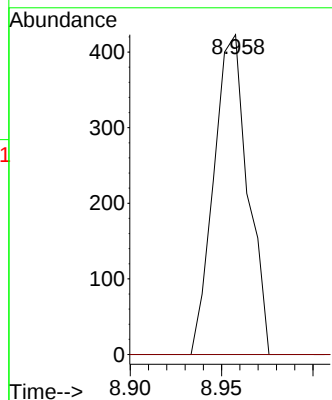
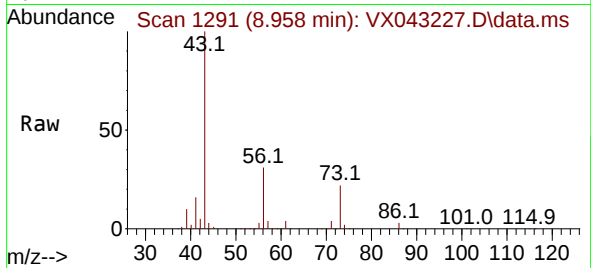




#53
 t-1,3-Dichloropropene
 Concen: 0.329 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX043227.D
 Acq: 02 Oct 2024 13:29

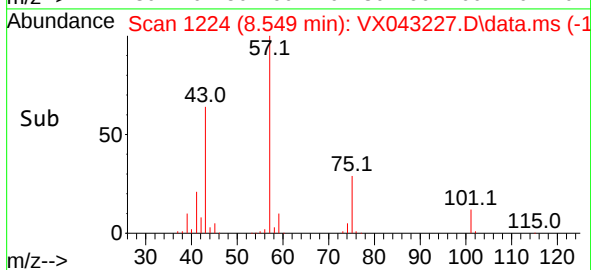
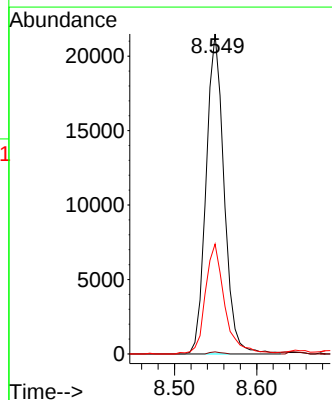
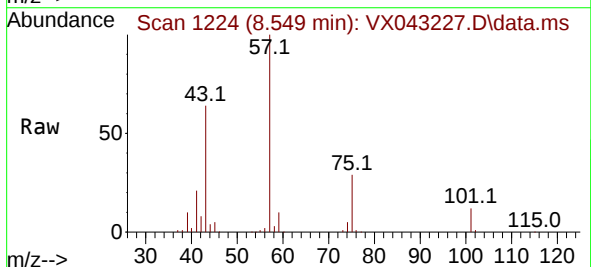
Instrument :
 MSVOA_X
 ClientSampleId :

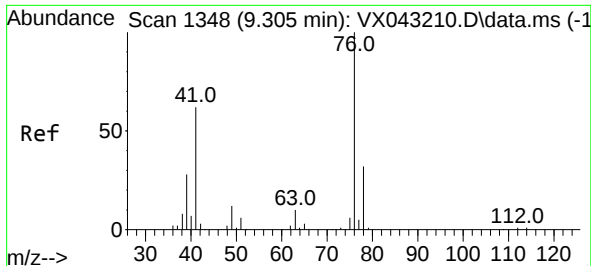
Tgt Ion: 75 Resp: 549
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 18.270 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043227.D
 Acq: 02 Oct 2024 13:29

Tgt Ion: 75 Resp: 32715
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.0 39.0#
 39 33.9 45.8 68.8#





#57

1,3-Dichloropropane

Concen: 2.187 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043227.D

Acq: 02 Oct 2024 13:29

Instrument :

MSVOA_X

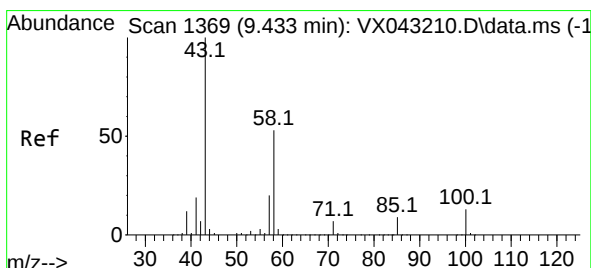
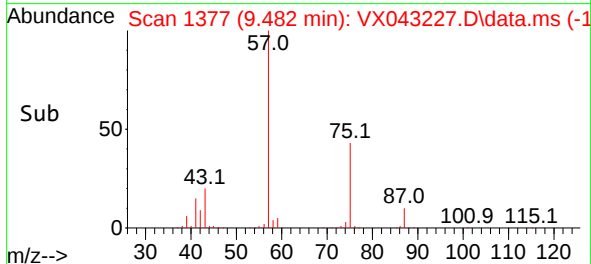
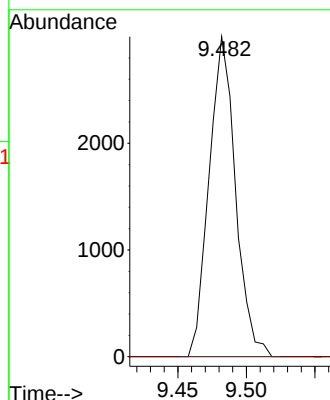
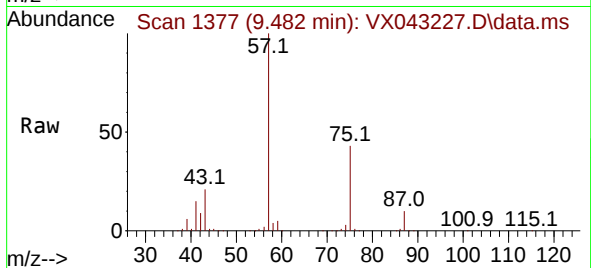
ClientSampleId :

Tgt Ion: 76 Resp: 4031

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 45.554 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043227.D

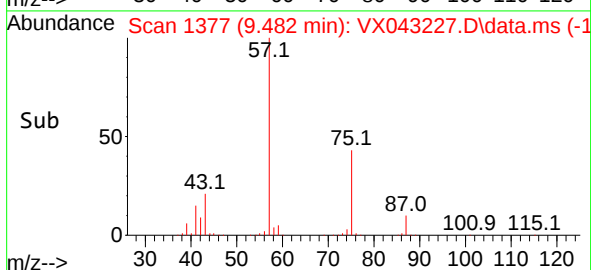
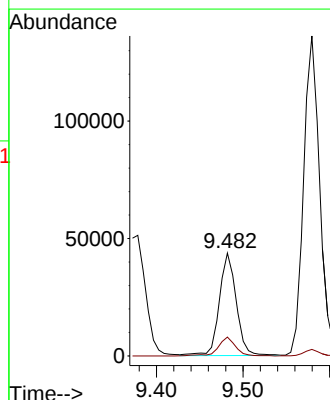
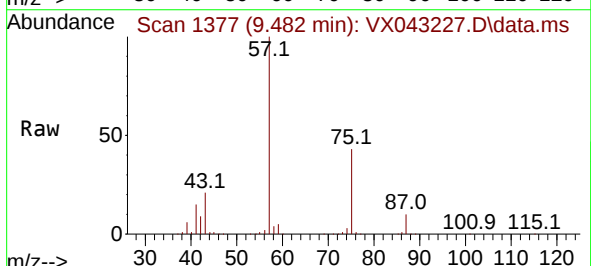
Acq: 02 Oct 2024 13:29

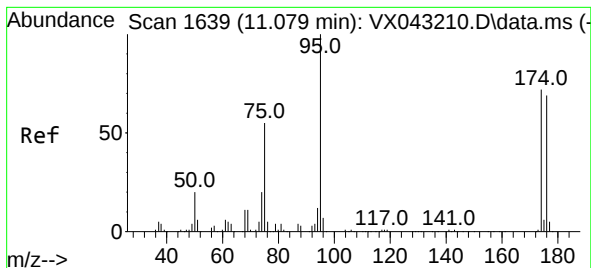
Tgt Ion: 43 Resp: 59483

Ion Ratio Lower Upper

43 100

58 18.8 26.1 78.3#

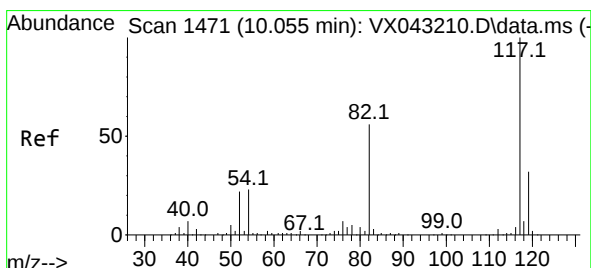
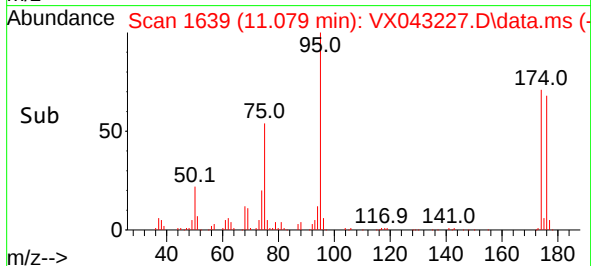
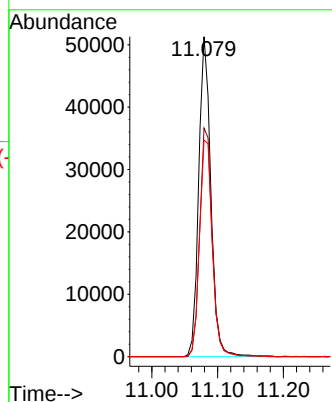
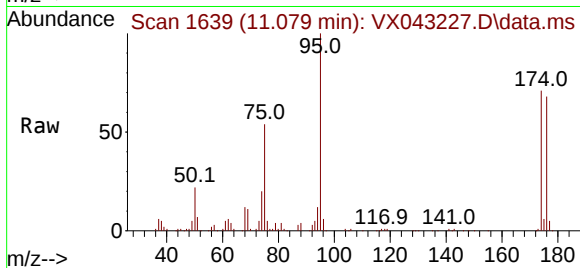




#62
4-Bromofluorobenzene
Concen: 46.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

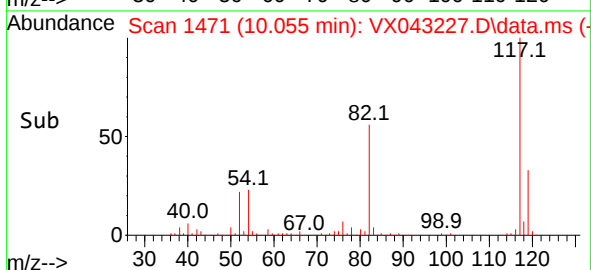
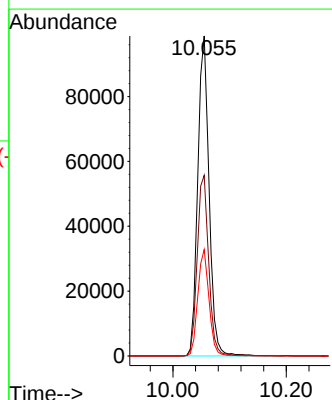
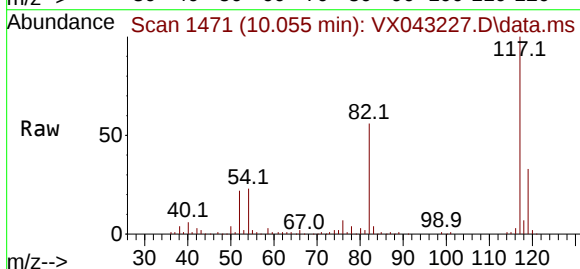
Instrument :
MSVOA_X
ClientSampleId :

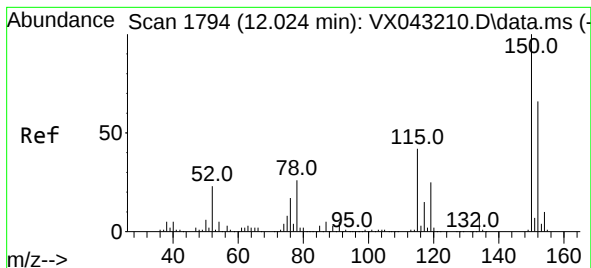
Tgt Ion: 95 Resp: 65884
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.0
176 71.3 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 117 Resp: 136598
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.6
119 33.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043227.D

Acq: 02 Oct 2024 13:29

Instrument :

MSVOA_X

ClientSampleId :

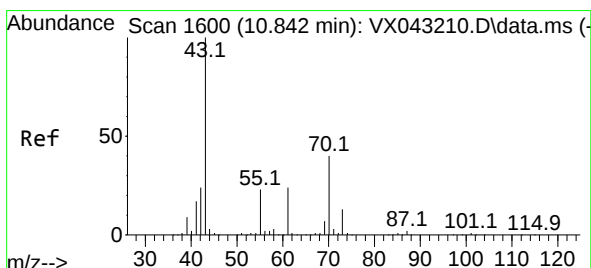
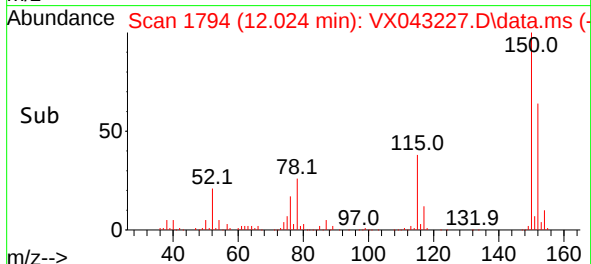
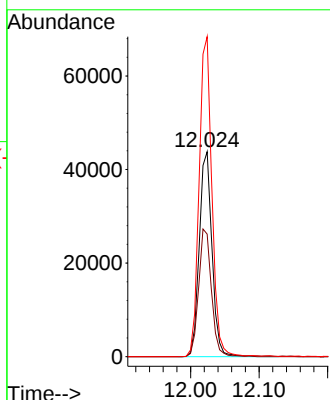
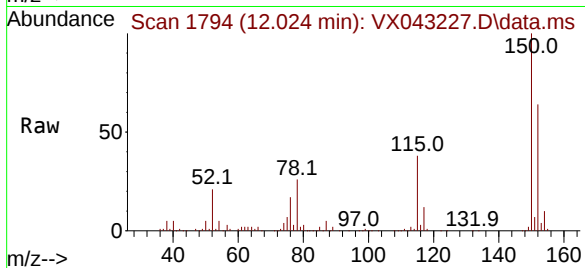
Tgt Ion:152 Resp: 56822

Ion Ratio Lower Upper

152 100

115 62.6 44.1 132.3

150 156.1 0.0 347.4



#74

N-ethyl acetate

Concen: 9.659 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX043227.D

Acq: 02 Oct 2024 13:29

Tgt Ion: 43 Resp: 20257

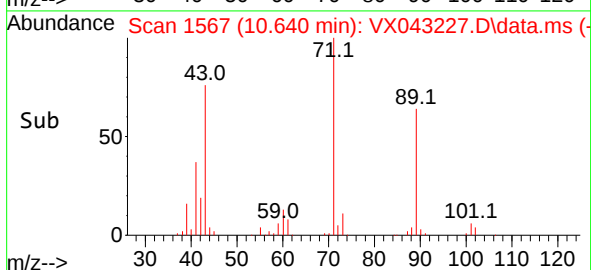
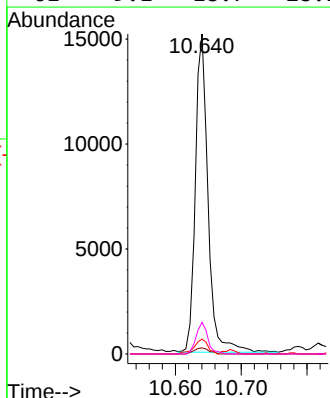
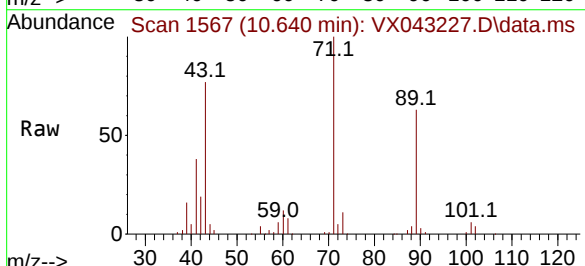
Ion Ratio Lower Upper

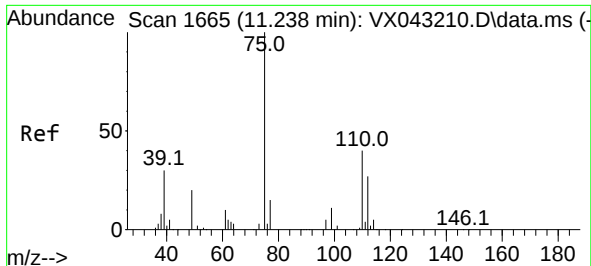
43 100

70 2.2 33.1 49.7#

55 5.0 18.6 27.8#

61 9.1 18.7 28.1#

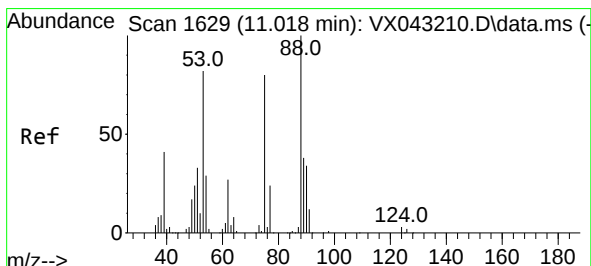
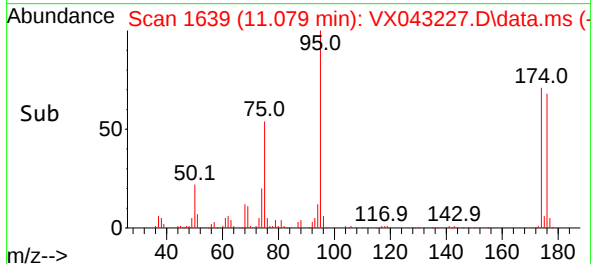
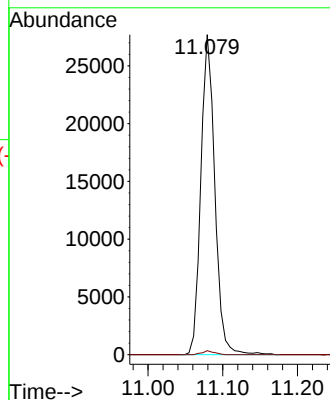
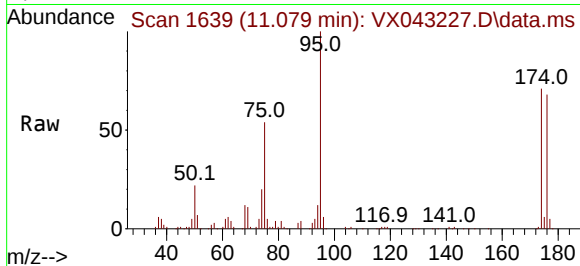




#76
1,2,3-Trichloropropane
Concen: 28.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35930
Ion Ratio Lower Upper
75 100
77 1.1 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.881 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043227.D
Acq: 02 Oct 2024 13:29

Tgt Ion: 75 Resp: 35930
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

