

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100924\
 Data File : VX043340.D
 Acq On : 09 Oct 2024 15:31
 Operator : JC/MD
 Sample : PB163972ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:33:11 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

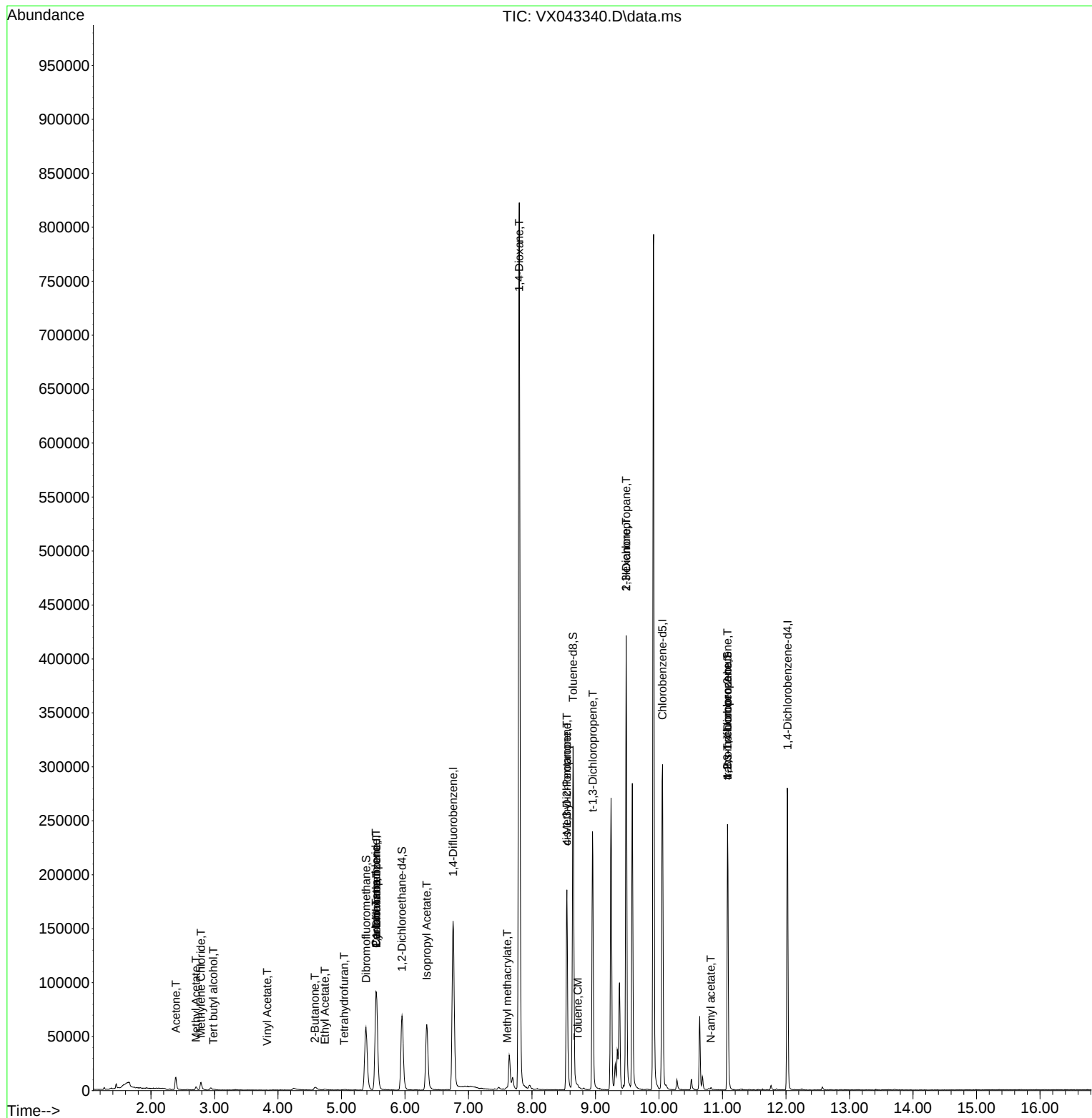
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	83556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71272	52.229	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.460%	
35) Dibromofluoromethane	5.385	113	51292	47.293	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.580%	
50) Toluene-d8	8.647	98	187922	49.999	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	11.079	95	64841	47.488	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.980%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.983	59	862	3.320	ug/l	# 90
16) Acetone	2.392	43	13837	24.281	ug/l	100
18) Methyl Acetate	2.709	43	3876	2.711	ug/l	96
20) Methylene Chloride	2.788	84	3599	3.425	ug/l	97
23) Vinyl Acetate	3.831	43	53	6.354	ug/l	# 71
25) 2-Butanone	4.581	43	5999	7.678	ug/l	# 87
29) Tetrahydrofuran	5.044	42	572	1.149	ug/l	# 55
31) Cyclohexane	5.550	56	2122	1.441	ug/l	# 35
36) 1,1-Dichloropropene	5.550	75	7429	5.422	ug/l	# 49
37) Ethyl Acetate	4.739	43	1563	0.950	ug/l	# 76
38) Carbon Tetrachloride	5.544	117	9472	5.840	ug/l	# 15
43) Isopropyl Acetate	6.342	43	86997	32.011	ug/l	99
48) Methyl methacrylate	7.611	41	2529	1.897	ug/l	# 13
49) 1,4-Dioxane	7.799	88	123	4.745	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	68424	41.454	ug/l	# 50
52) Toluene	8.720	92	756	0.290	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	546	0.342	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	28955	16.916	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	3694	2.096	ug/l	# 43
59) 2-Hexanone	9.482	43	53421	42.798	ug/l	# 55
74) N-amyl acetate	10.817	43	735	0.350	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	35935	28.504	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	35935	73.873	ug/l	# 8

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

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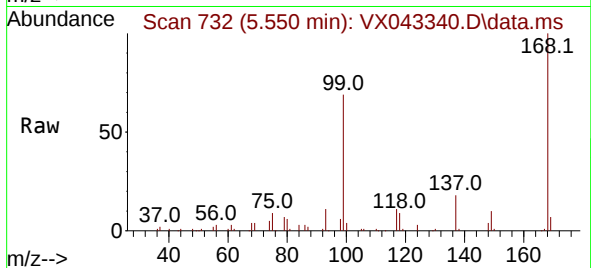


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

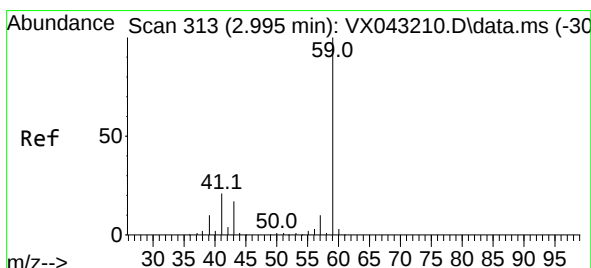
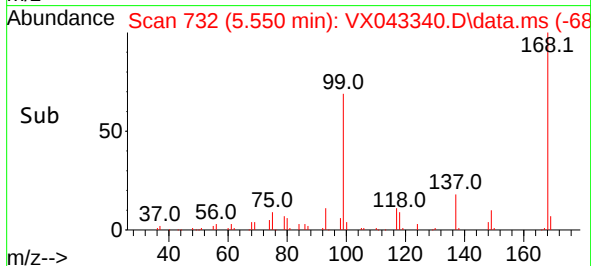
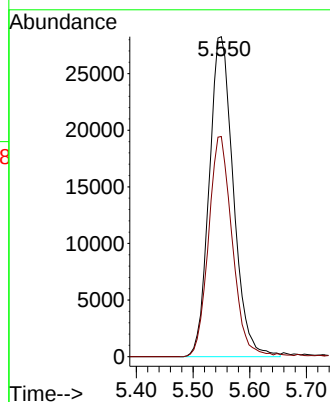
Instrument :

MSVOA_X

ClientSampleId :

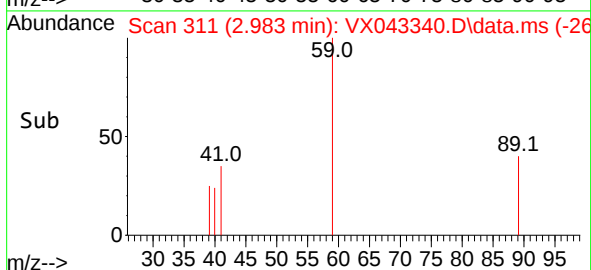
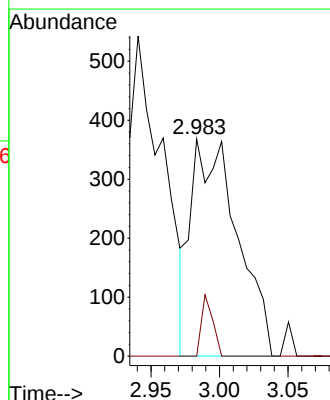
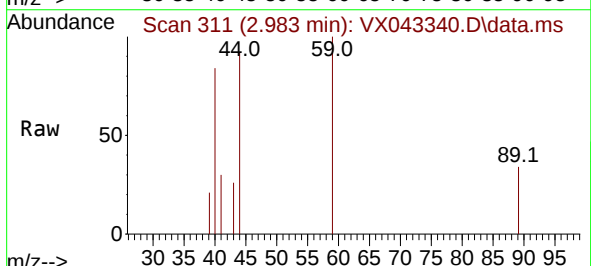


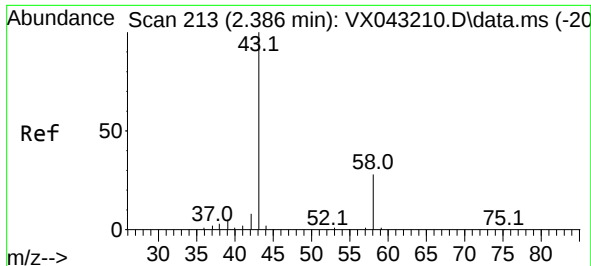
Tgt Ion:168 Resp: 83556
Ion Ratio Lower Upper
168 100
99 68.8 49.7 74.5



#11
Tert butyl alcohol
Concen: 3.320 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 59 Resp: 862
Ion Ratio Lower Upper
59 100
57 6.8 8.6 13.0#

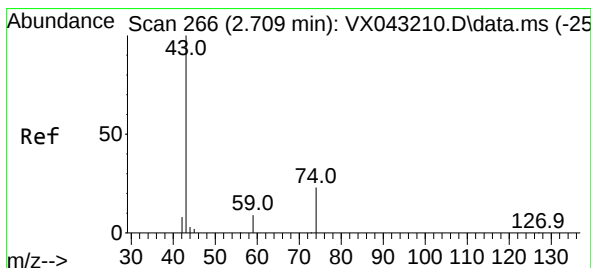
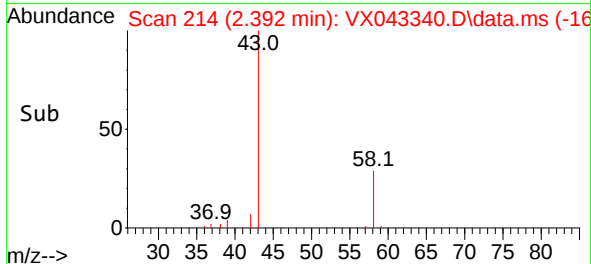
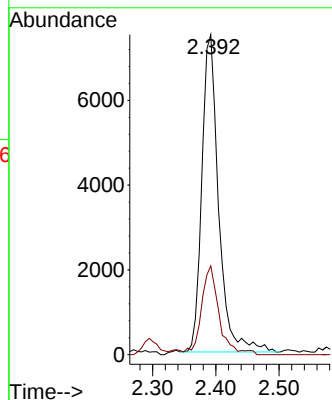
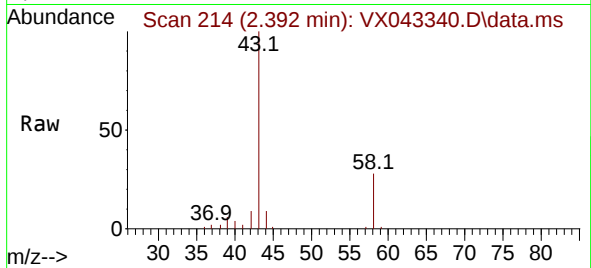




#16
Acetone
Concen: 24.281 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

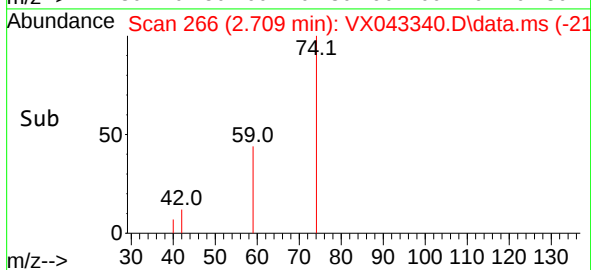
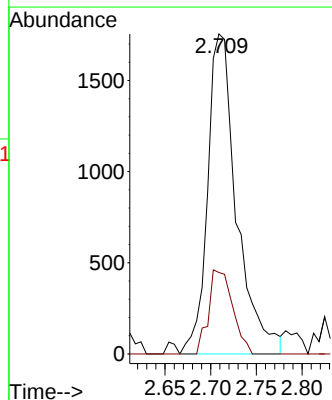
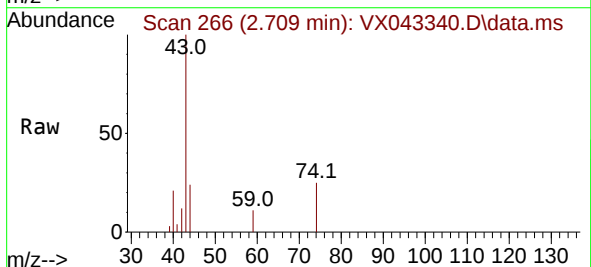
Instrument :
MSVOA_X
ClientSampleId :

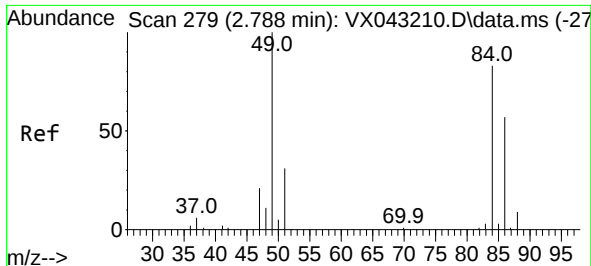
Tgt Ion: 43 Resp: 13837
Ion Ratio Lower Upper
43 100
58 28.0 22.6 33.8



#18
Methyl Acetate
Concen: 2.711 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
74 21.8 19.1 28.7





#20

Methylene Chloride

Concen: 3.425 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

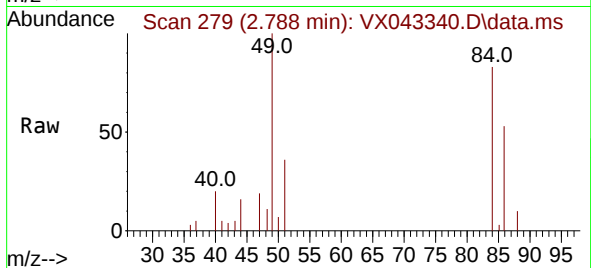
Lab File: VX043340.D

Acq: 09 Oct 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 3599

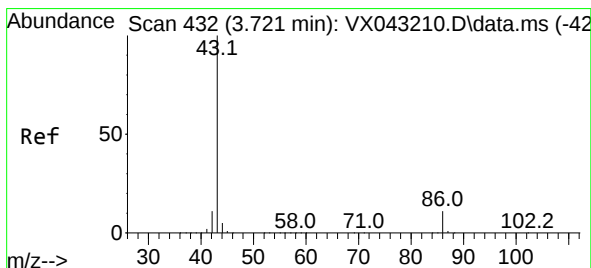
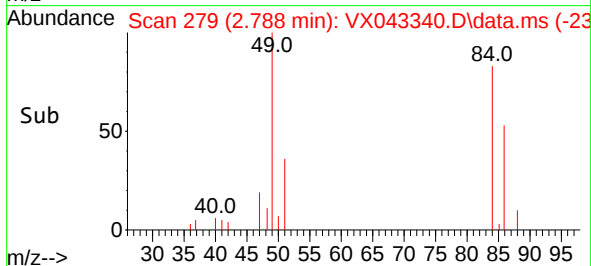
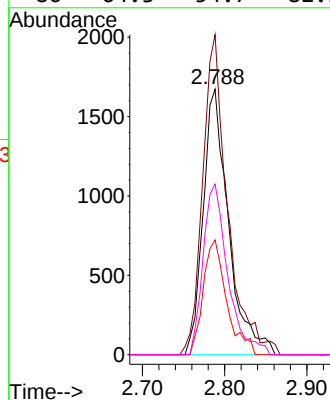
Ion Ratio Lower Upper

84 100

49 120.6 96.7 145.1

51 43.2 30.4 45.6

86 64.3 54.7 82.1



#23

Vinyl Acetate

Concen: 6.354 ug/l

RT: 3.831 min Scan# 450

Delta R.T. 0.110 min

Lab File: VX043340.D

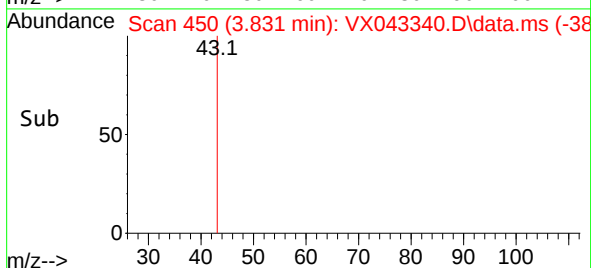
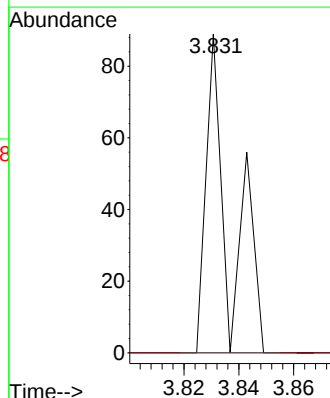
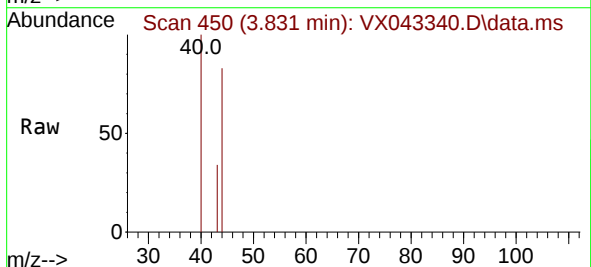
Acq: 09 Oct 2024 15:31

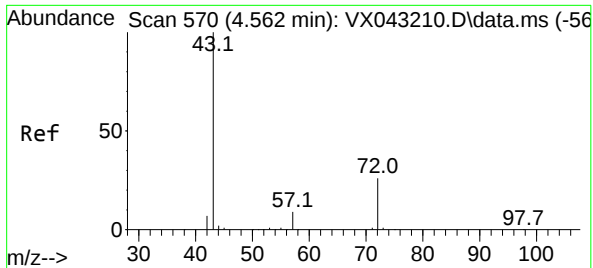
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

86 0.0 8.8 13.2#





#25

2-Butanone

Concen: 7.678 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX043340.D

Acq: 09 Oct 2024 15:31

Instrument :

MSVOA_X

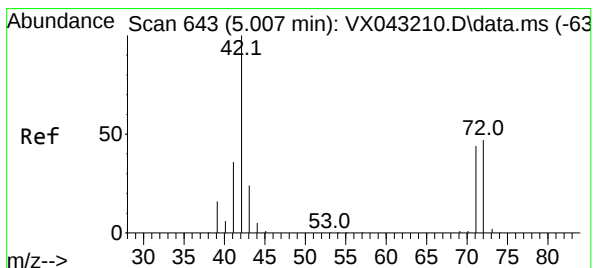
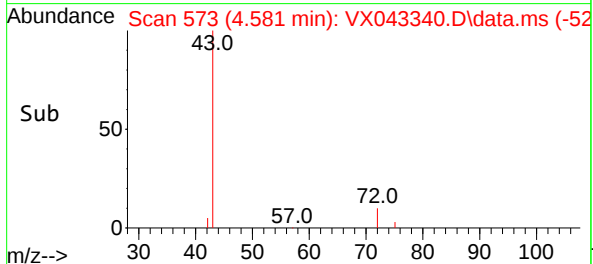
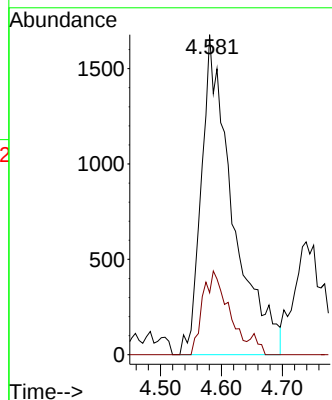
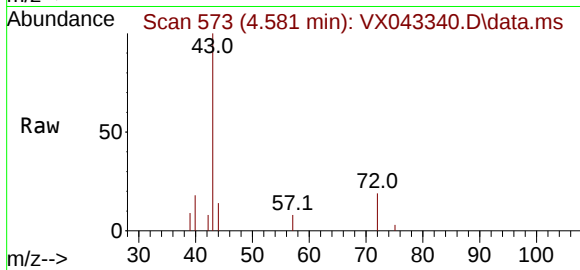
ClientSampleId :

Tgt Ion: 43 Resp: 5999

Ion Ratio Lower Upper

43 100

72 19.4 20.6 31.0#



#29

Tetrahydrofuran

Concen: 1.149 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.037 min

Lab File: VX043340.D

Acq: 09 Oct 2024 15:31

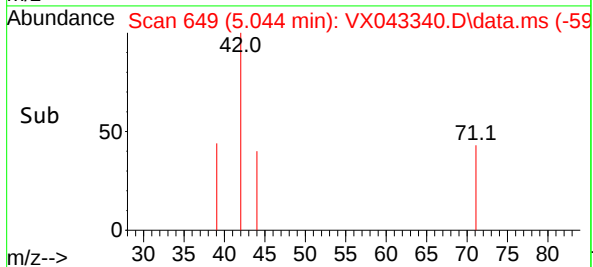
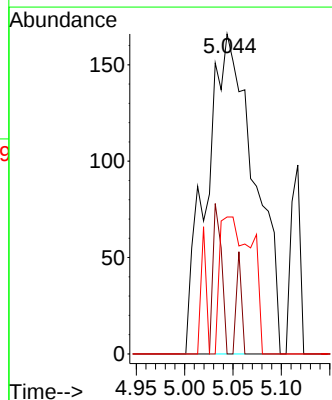
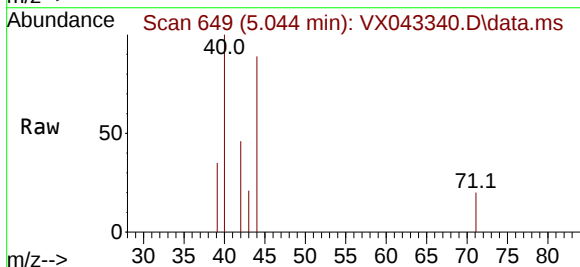
Tgt Ion: 42 Resp: 572

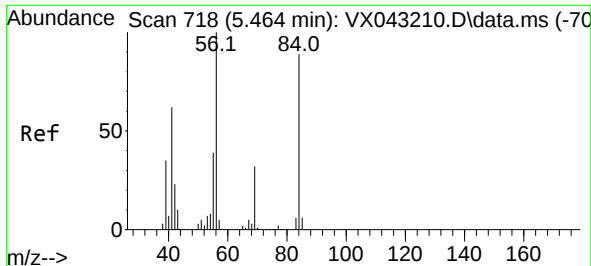
Ion Ratio Lower Upper

42 100

72 3.3 37.7 56.5#

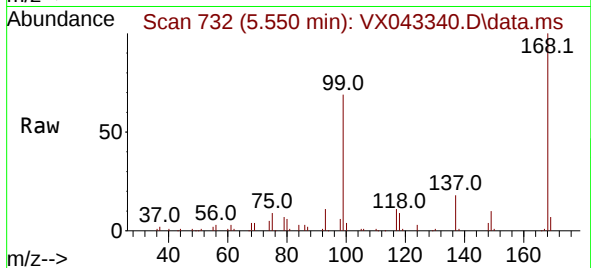
71 28.1 34.6 52.0#



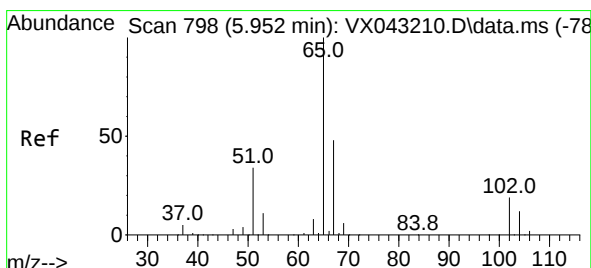
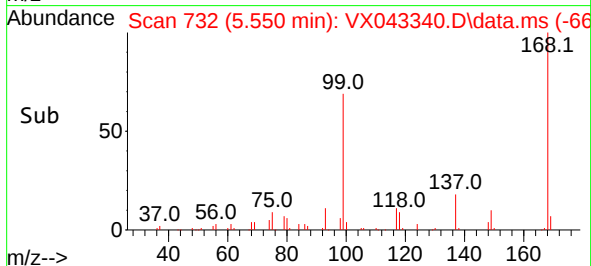
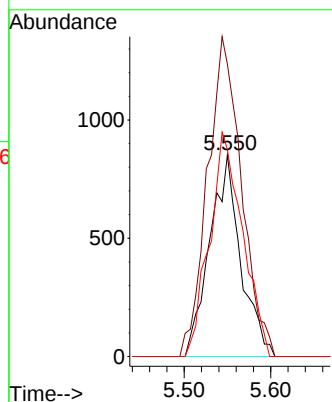


#31
Cyclohexane
Concen: 1.441 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Instrument :
MSVOA_X
ClientSampleId :

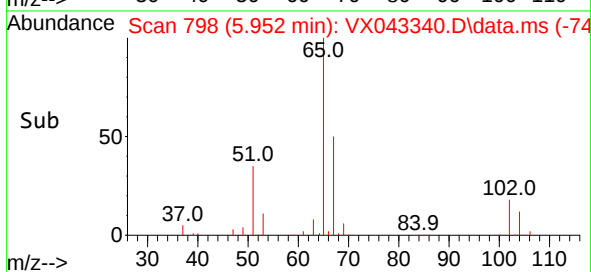
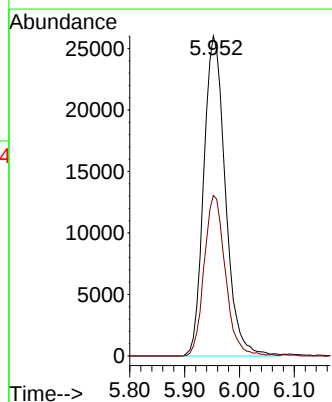
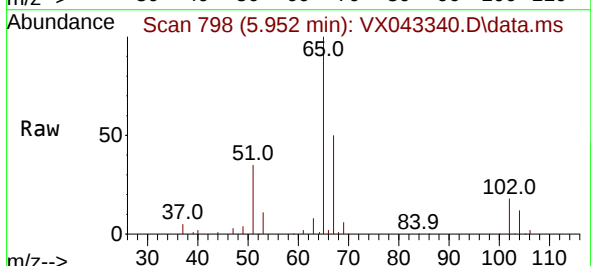


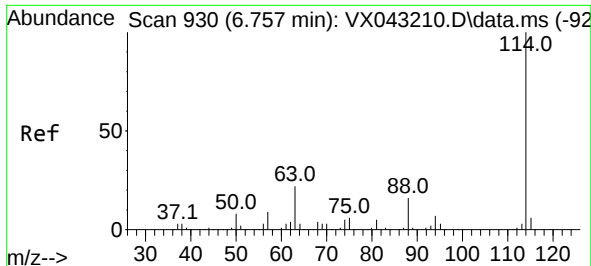
Tgt Ion: 56 Resp: 2122
Ion Ratio Lower Upper
56 100
69 145.1 25.8 38.6#
84 102.7 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 52.229 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 65 Resp: 71272
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

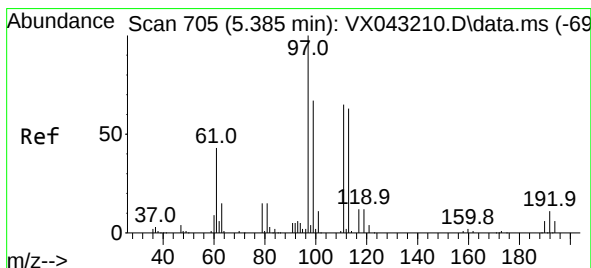
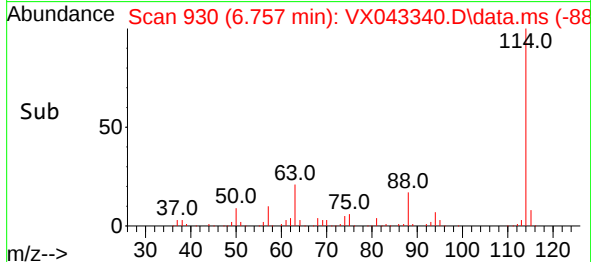
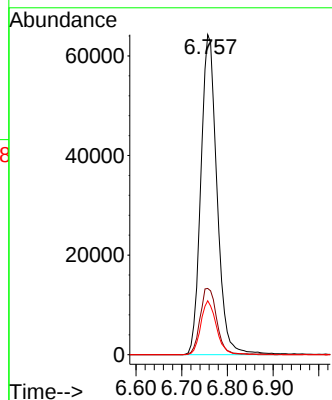
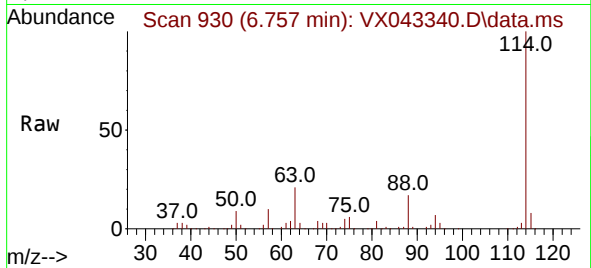




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

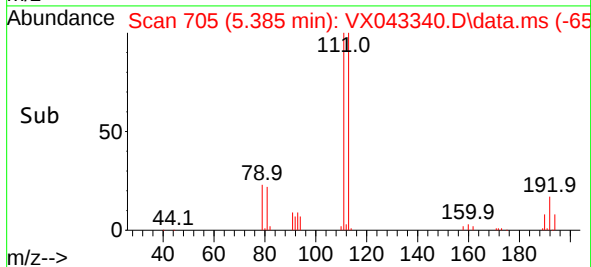
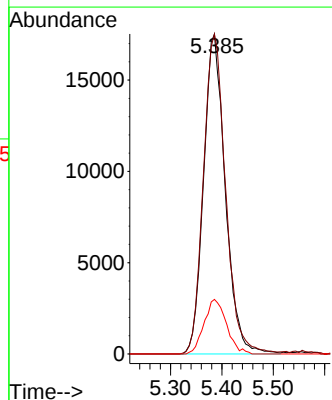
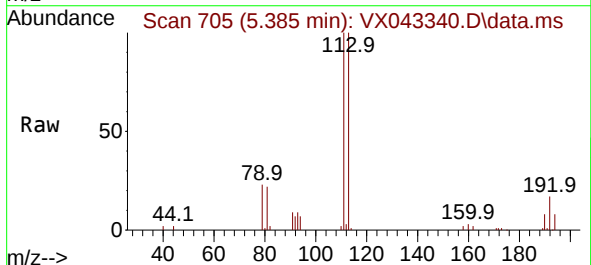
Instrument :
MSVOA_X
ClientSampleId :

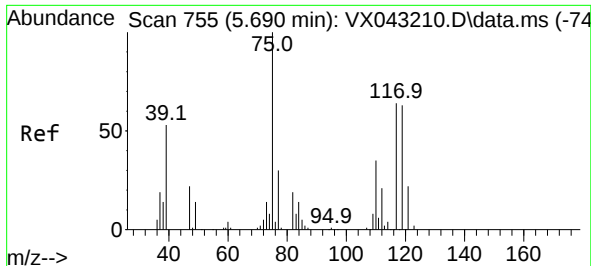
Tgt Ion:114 Resp: 157264
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 16.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.293 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion:113 Resp: 51292
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.0
192 17.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.422 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

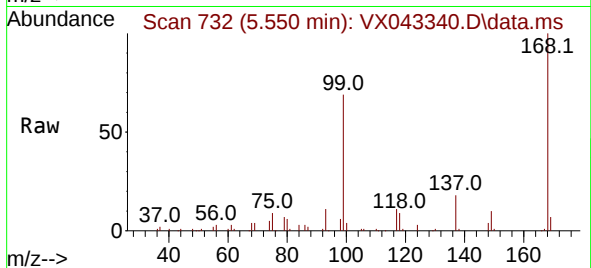
Lab File: VX043340.D

Acq: 09 Oct 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :



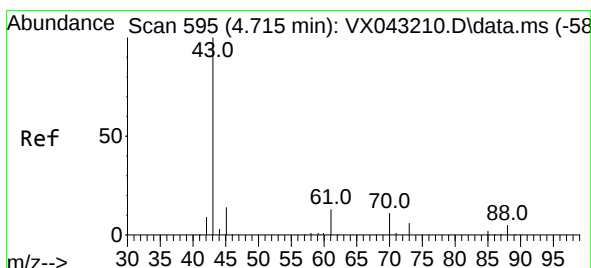
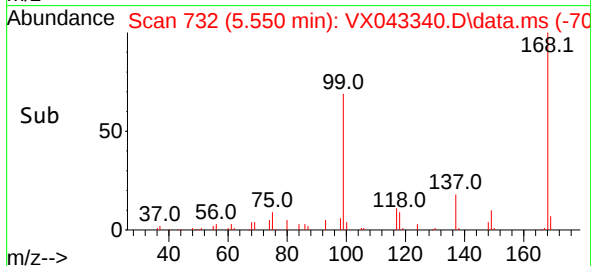
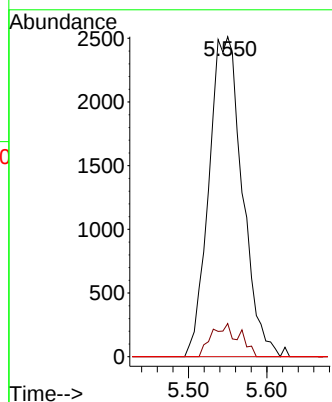
Tgt Ion: 75 Resp: 7429

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.950 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX043340.D

Acq: 09 Oct 2024 15:31

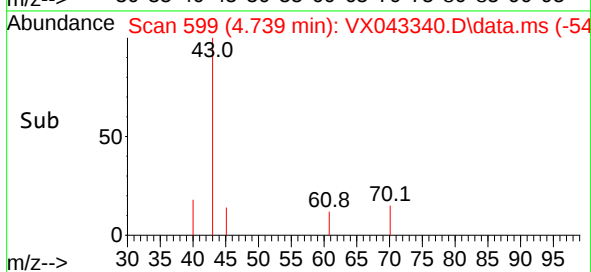
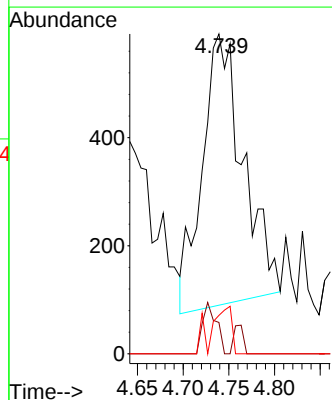
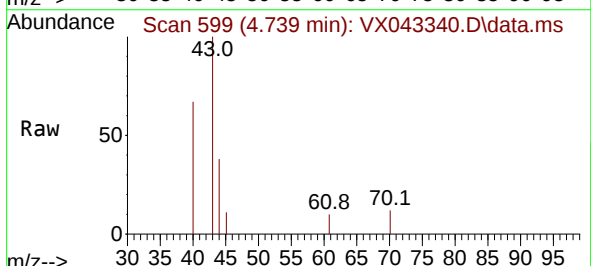
Tgt Ion: 43 Resp: 1563

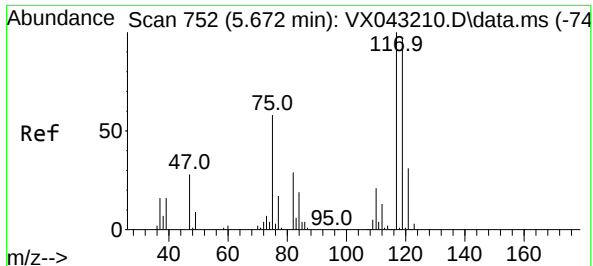
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

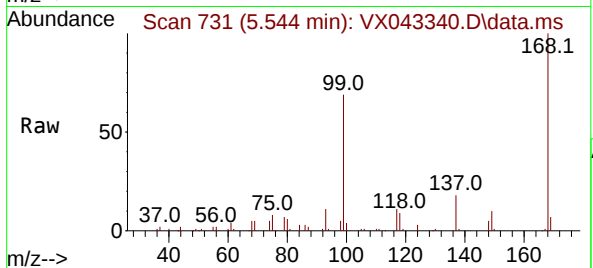
70 7.0 8.9 13.3#



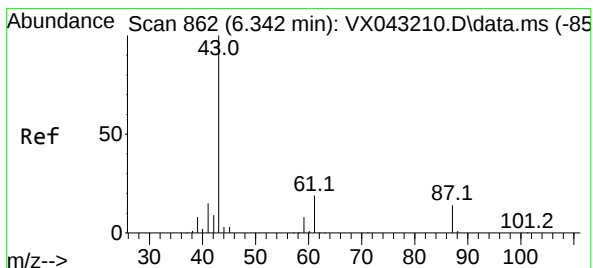
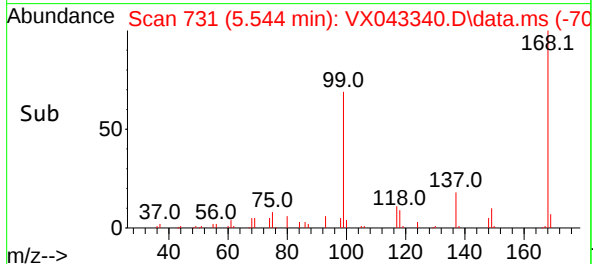
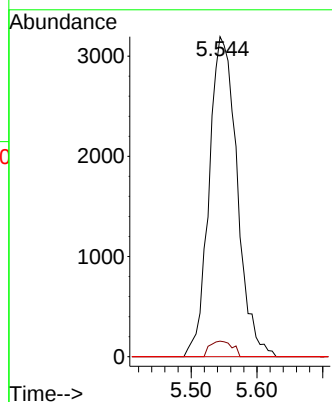


#38
Carbon Tetrachloride
Concen: 5.840 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Instrument :
MSVOA_X
ClientSampleId :

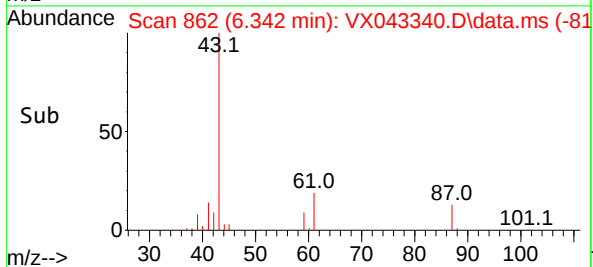
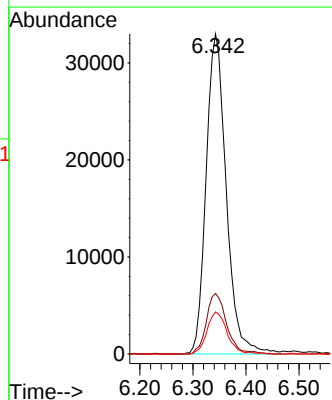
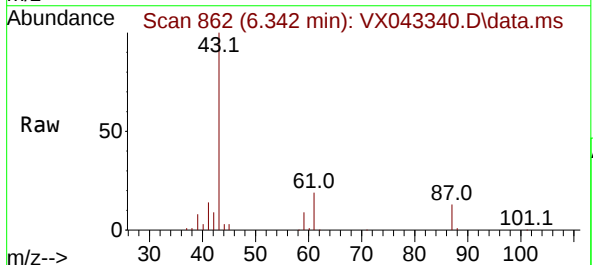


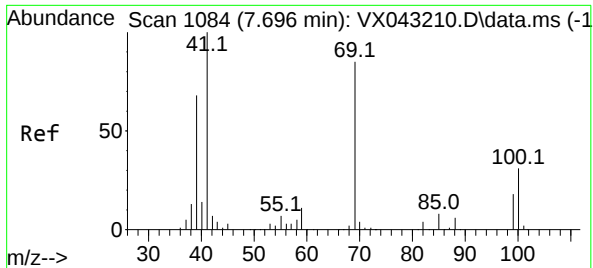
Tgt Ion:117 Resp: 9472
Ion Ratio Lower Upper
117 100
119 4.9 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 32.011 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 43 Resp: 86997
Ion Ratio Lower Upper
43 100
61 19.0 15.1 22.7
87 13.1 10.8 16.2

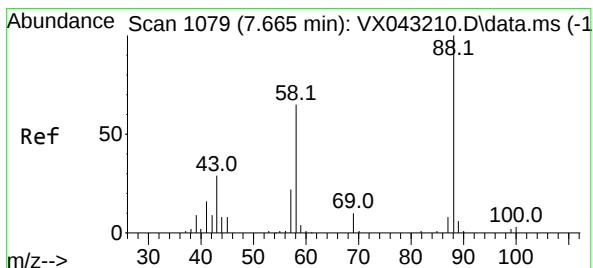
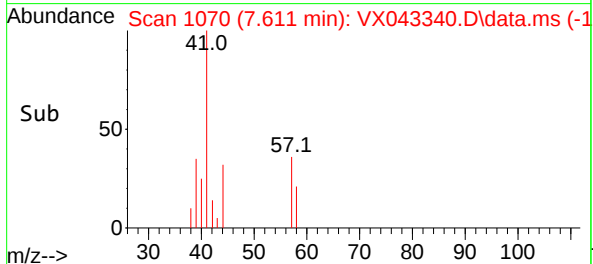
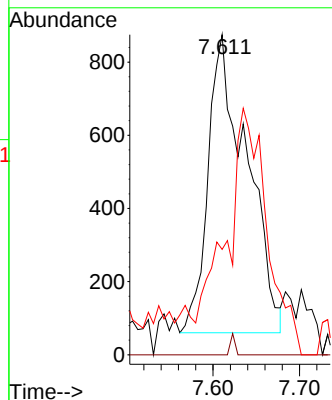
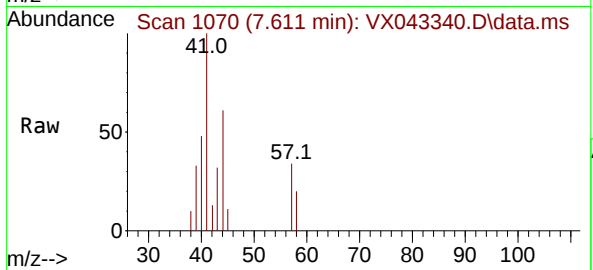




#48
Methyl methacrylate
Concen: 1.897 ug/l
RT: 7.611 min Scan# 1100
Delta R.T. -0.085 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

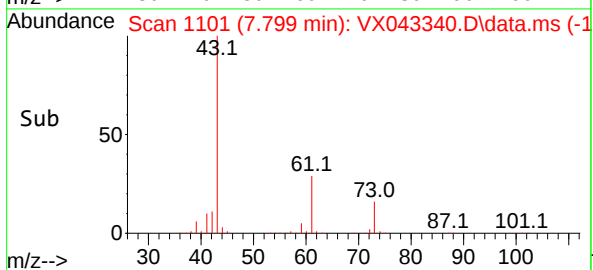
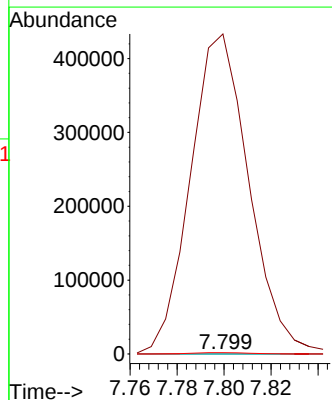
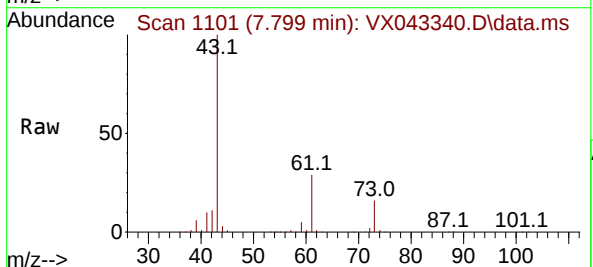
Instrument :
MSVOA_X
ClientSampleId :

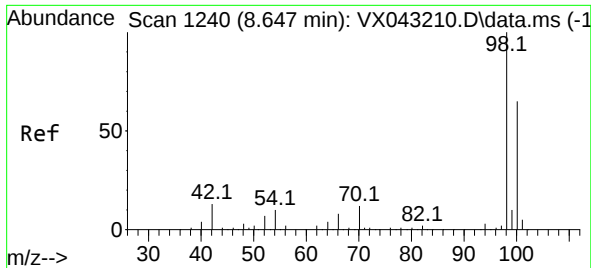
Tgt Ion: 41 Resp: 2529
Ion Ratio Lower Upper
41 100
69 0.8 64.1 96.1#
39 0.0 52.8 79.2#



#49
1,4-Dioxane
Concen: 4.745 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 619574.8 29.5 44.3#
58 2566.7 55.2 82.8#

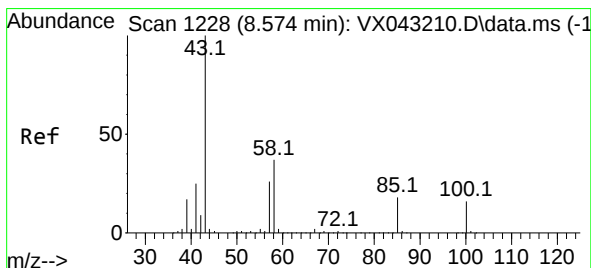
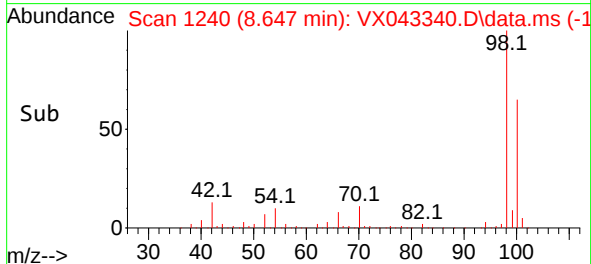
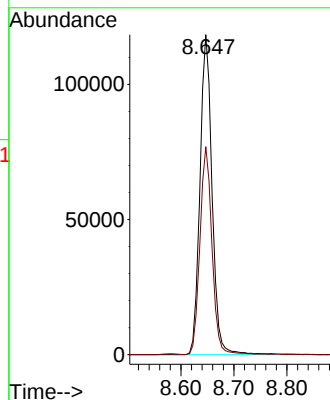
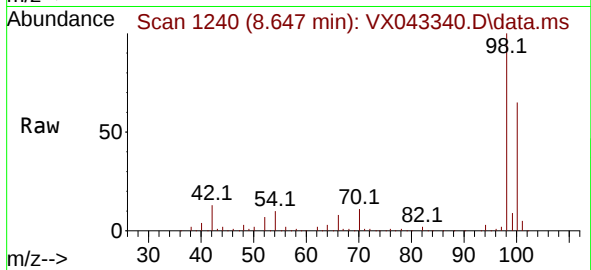




#50
Toluene-d8
Concen: 49.999 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

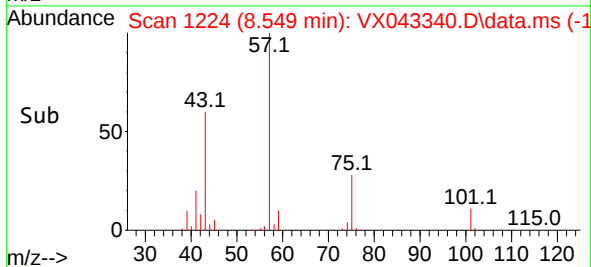
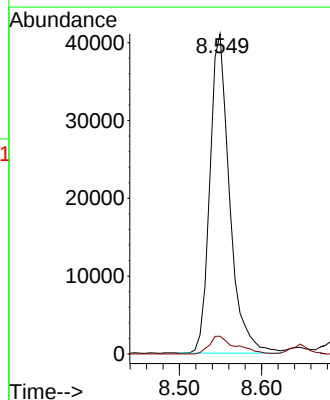
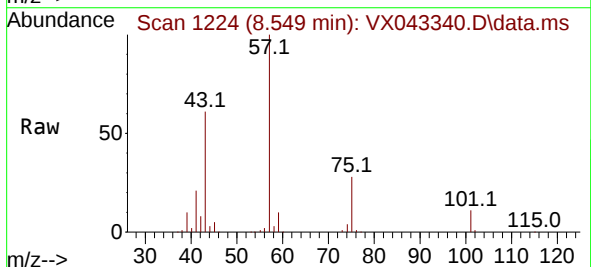
Instrument :
MSVOA_X
ClientSampleId :

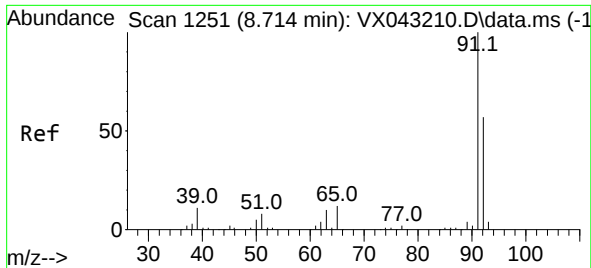
Tgt Ion: 98 Resp: 187922
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 41.454 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 43 Resp: 68424
Ion Ratio Lower Upper
43 100
58 7.4 30.0 45.0#

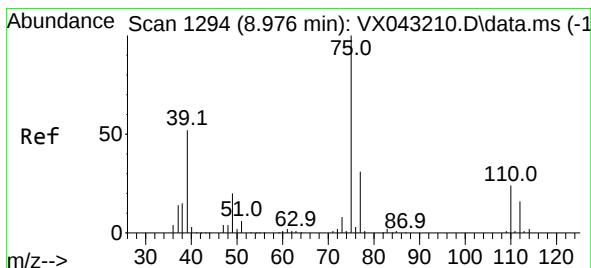
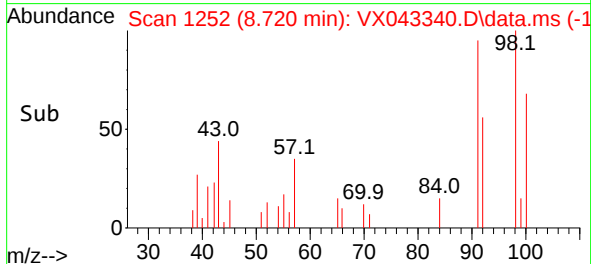
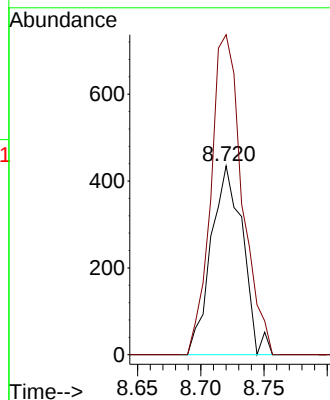
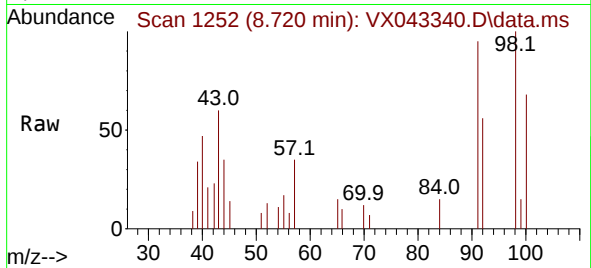




#52
Toluene
Concen: 0.290 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

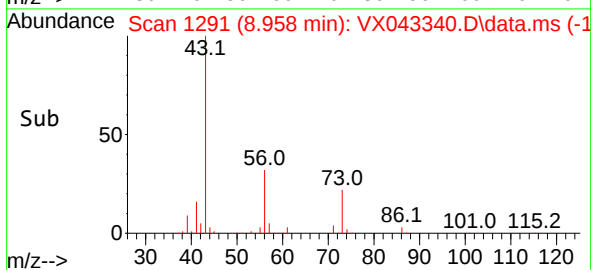
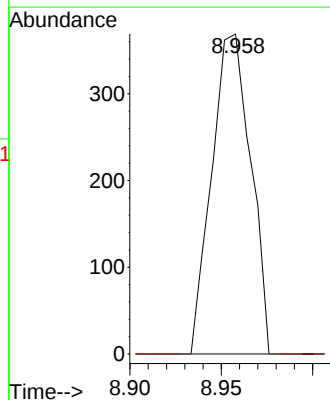
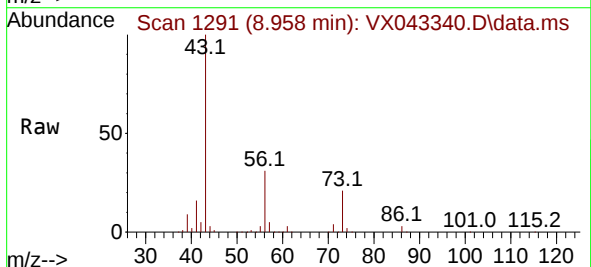
Instrument :
MSVOA_X
ClientSampleId :

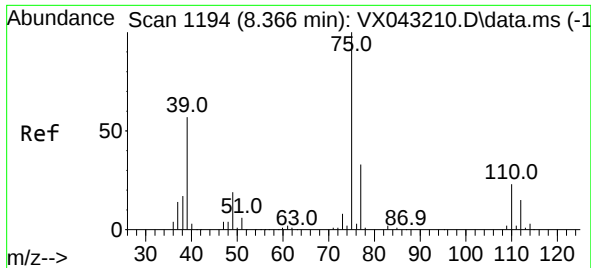
Tgt Ion: 92 Resp: 756
Ion Ratio Lower Upper
92 100
91 168.3 137.0 205.4



#53
t-1,3-Dichloropropene
Concen: 0.342 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 75 Resp: 546
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

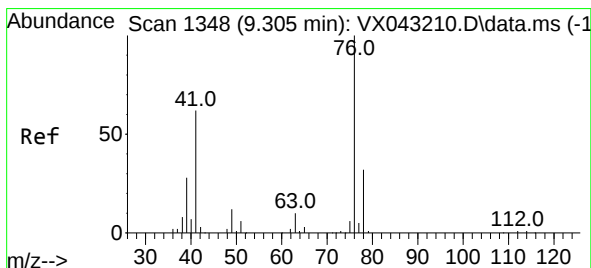
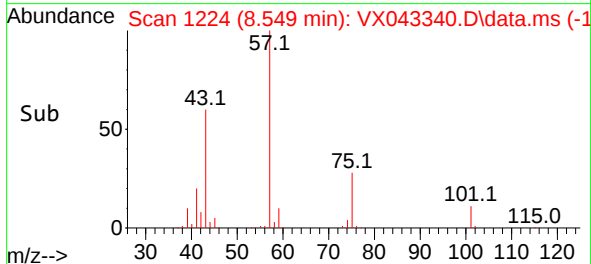
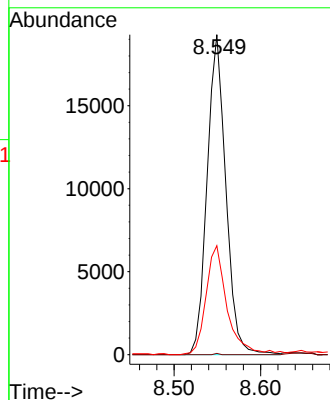
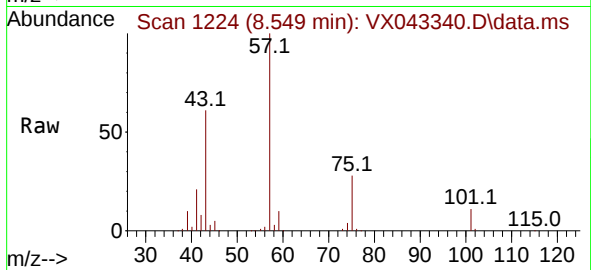




#54
cis-1,3-Dichloropropene
Concen: 16.916 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

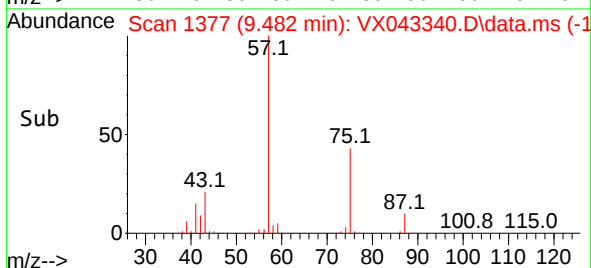
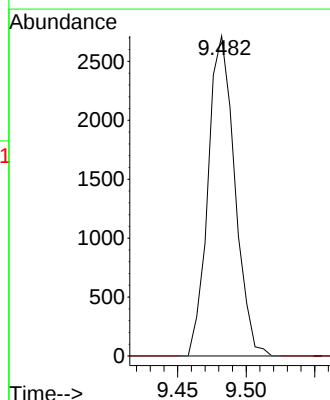
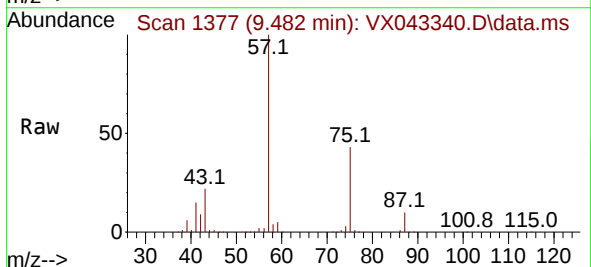
Instrument :
MSVOA_X
ClientSampleId :

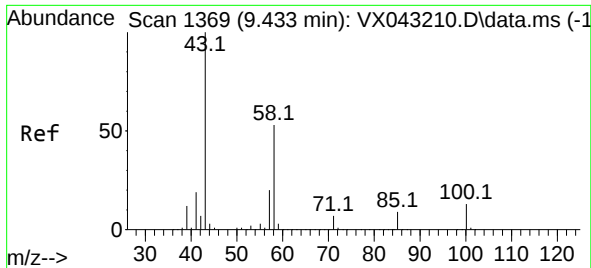
Tgt Ion: 75 Resp: 28955
Ion Ratio Lower Upper
75 100
77 0.4 26.0 39.0#
39 34.1 45.8 68.8#



#57
1,3-Dichloropropane
Concen: 2.096 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 76 Resp: 3694
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

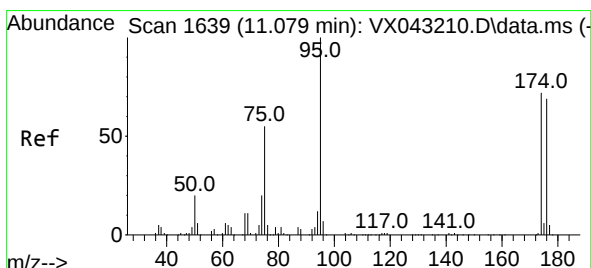
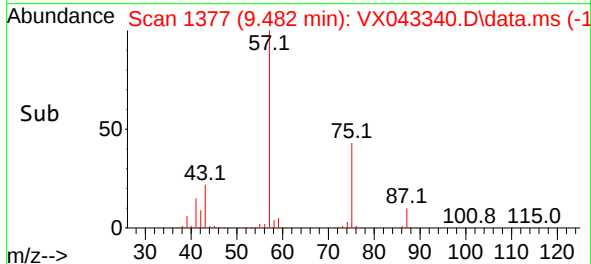
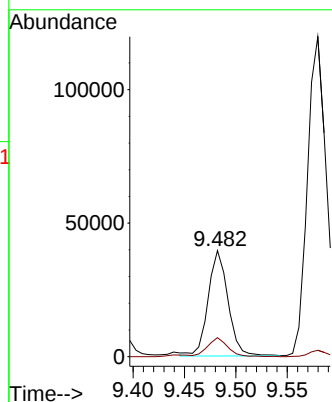
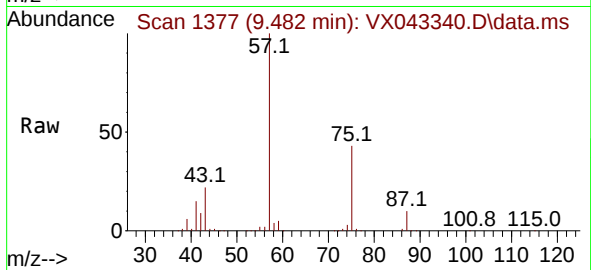




#59
2-Hexanone
Concen: 42.798 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

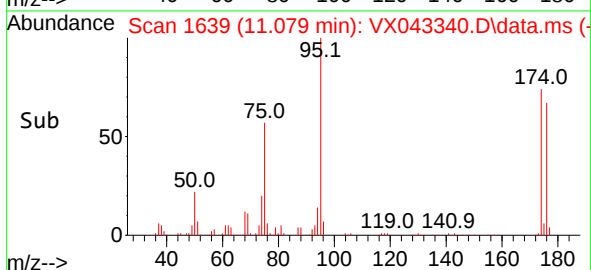
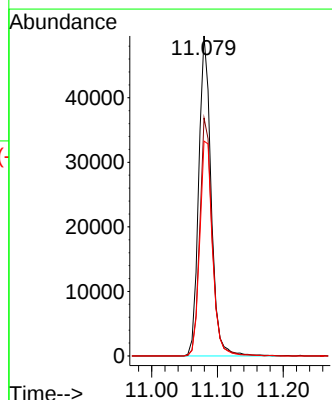
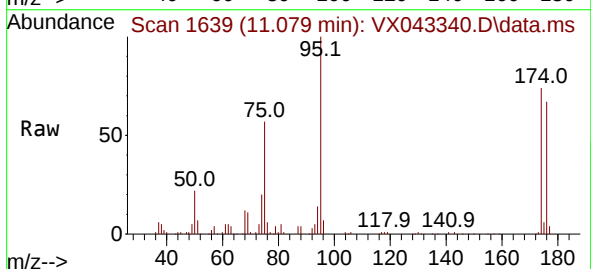
Instrument :
MSVOA_X
ClientSampleId :

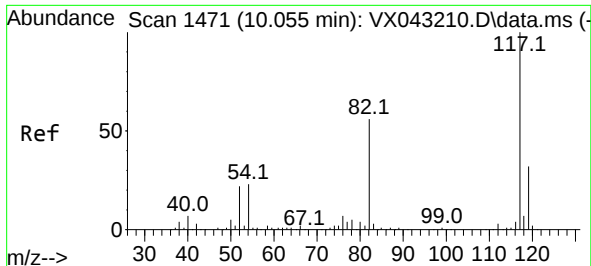
Tgt Ion: 43 Resp: 53421
Ion Ratio Lower Upper
43 100
58 20.2 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 47.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Tgt Ion: 95 Resp: 64841
Ion Ratio Lower Upper
95 100
174 74.2 0.0 145.0
176 69.4 0.0 143.0

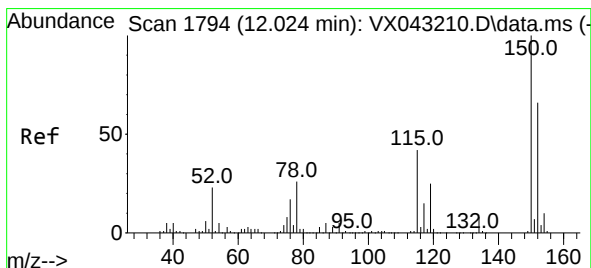
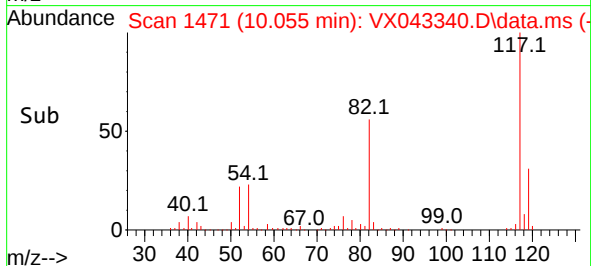
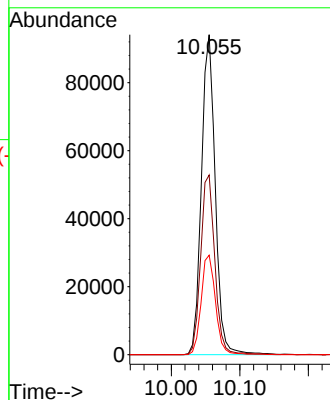
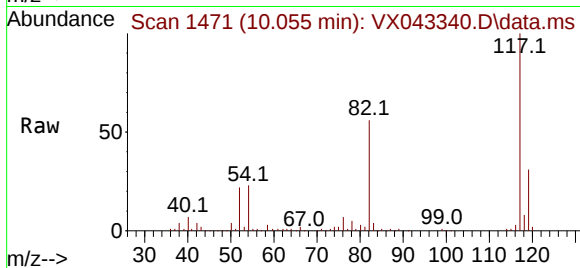




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

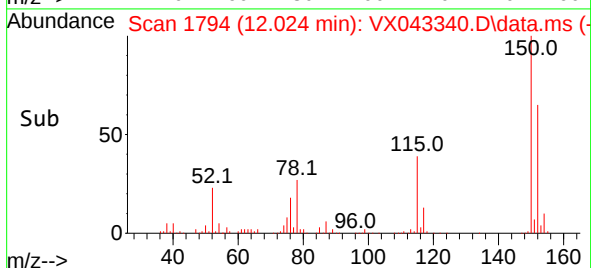
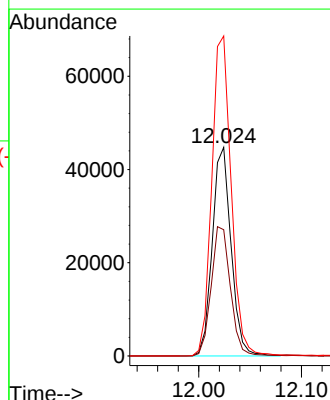
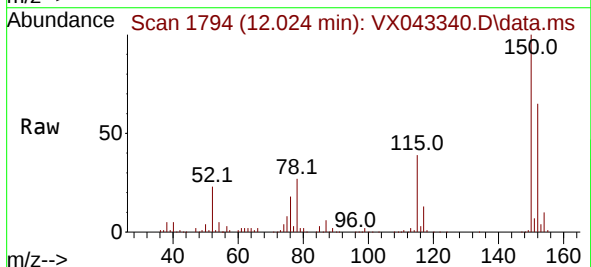
Instrument :
MSVOA_X
ClientSampleId :

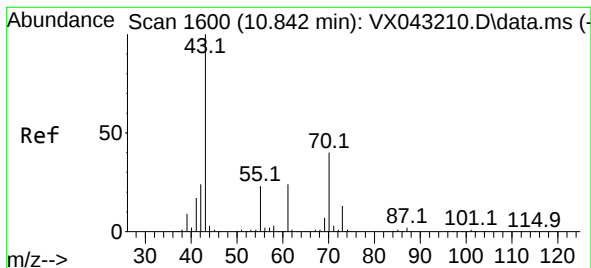
Tgt Ion:117 Resp: 132398
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.6
119 31.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

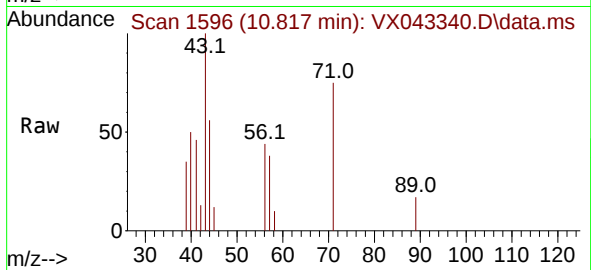
Tgt Ion:152 Resp: 56836
Ion Ratio Lower Upper
152 100
115 63.3 44.1 132.3
150 159.0 0.0 347.4



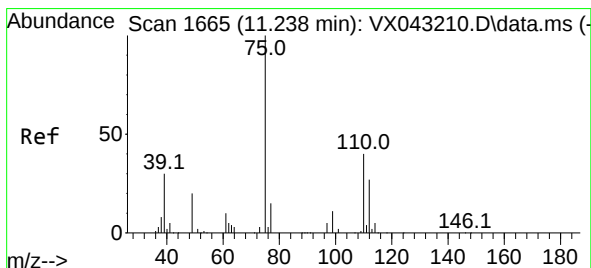
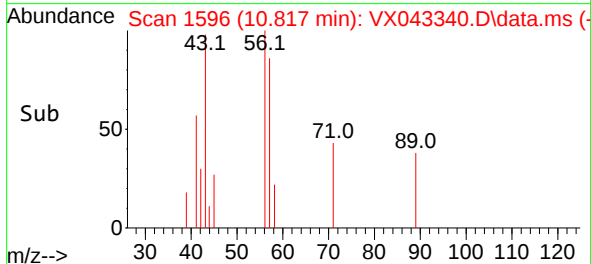
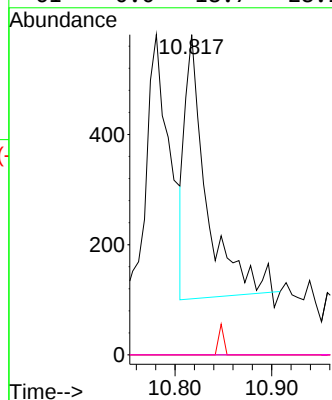


#74
N-amy1 acetate
Concen: 0.350 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

Instrument :
MSVOA_X
ClientSampleId :

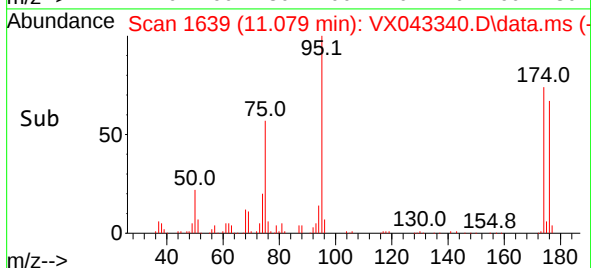
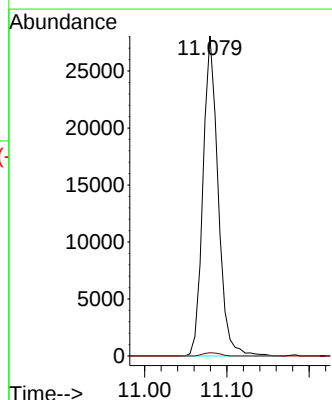
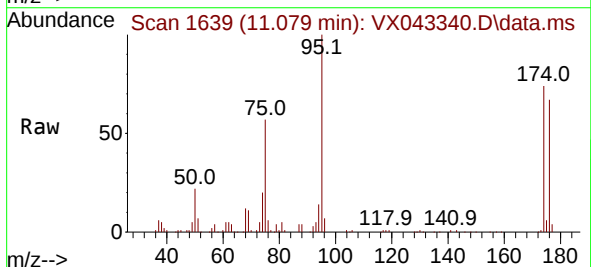


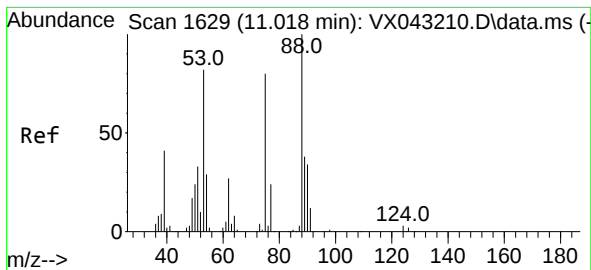
Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
70 0.0 33.1 49.7#
55 0.0 18.6 27.8#
61 0.0 18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 28.504 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043340.D
Acq: 09 Oct 2024 15:31

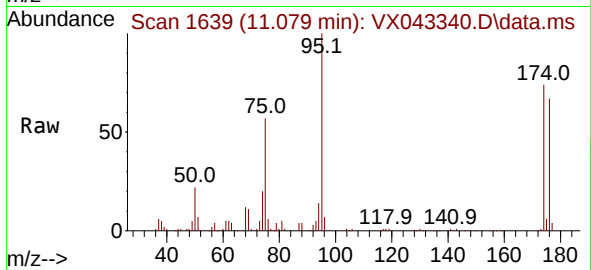
Tgt Ion: 75 Resp: 35935
Ion Ratio Lower Upper
75 100
77 1.1 22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.873 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043340.D
 Acq: 09 Oct 2024 15:31

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 35935
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

