

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043456.D
 Acq On : 21 Oct 2024 15:49
 Operator : JC/MD
 Sample : P4430-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 22 02:40:16 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)

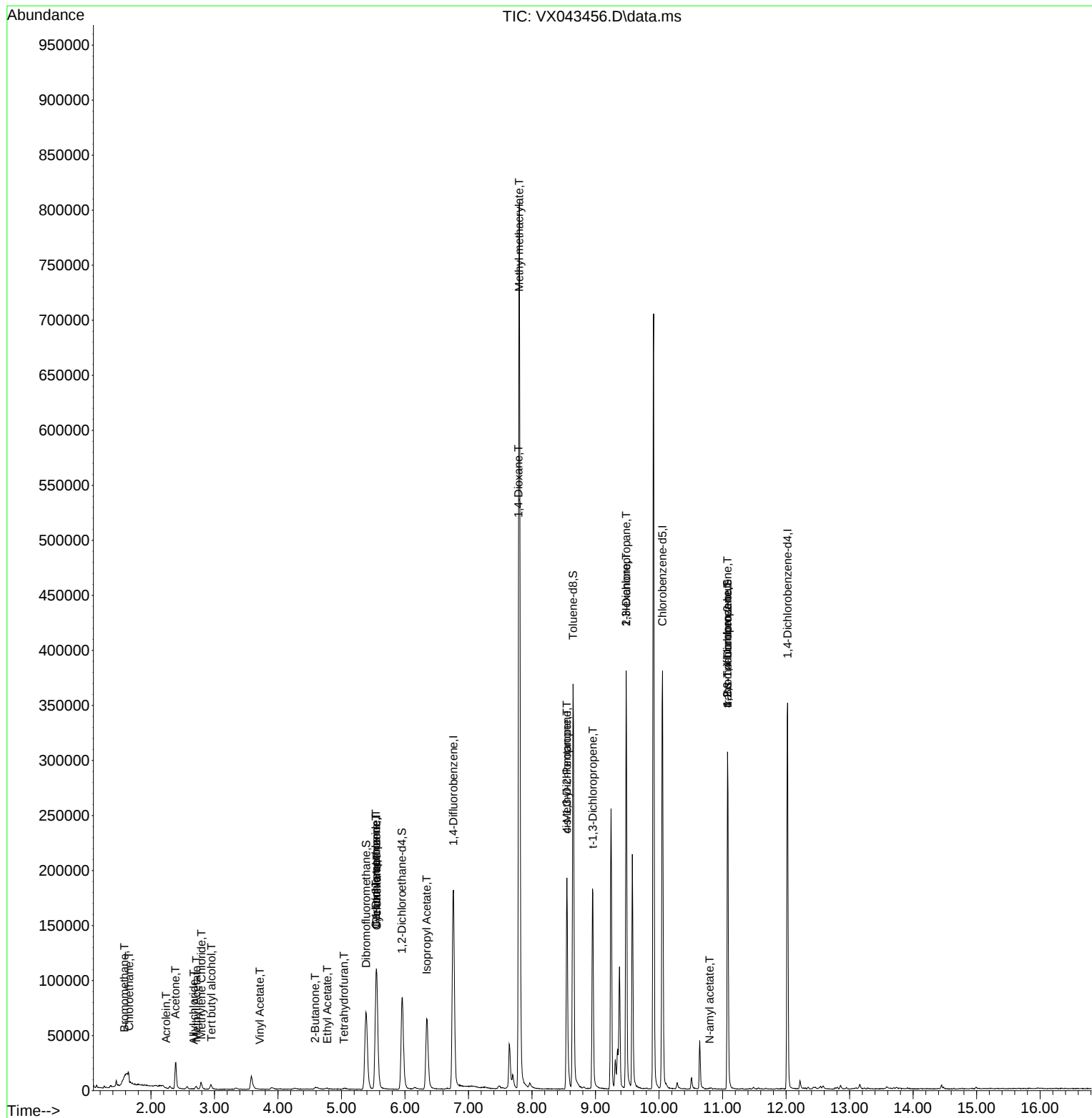
Internal Standards						
1) Pentafluorobenzene	5.550	168	100546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86119	52.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.900%			
35) Dibromofluoromethane	5.385	113	63491	48.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.160%			
50) Toluene-d8	8.647	98	225502	49.273	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.540%			
62) 4-Bromofluorobenzene	11.079	95	84082	50.571	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	122	0.248	ug/l #	2
6) Chloroethane	1.654	64	150	0.334	ug/l	92
11) Tert butyl alcohol	2.953	59	2244	7.181	ug/l #	71
13) Acrolein	2.239	56	118	0.400	ug/l #	34
14) Allyl chloride	2.672	41	488	0.266	ug/l #	48
16) Acetone	2.386	43	28059	40.918	ug/l	96
18) Methyl Acetate	2.715	43	3111	1.808	ug/l	100
20) Methylene Chloride	2.794	84	2805	2.219	ug/l	91
23) Vinyl Acetate	3.715	43	141	6.373	ug/l #	71
25) 2-Butanone	4.587	43	3235	3.441	ug/l #	75
29) Tetrahydrofuran	5.038	42	1172	1.957	ug/l #	57
31) Cyclohexane	5.556	56	2467	1.392	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	9121	5.467	ug/l #	49
37) Ethyl Acetate	4.776	43	1650	0.824	ug/l #	74
38) Carbon Tetrachloride	5.544	117	11405	5.774	ug/l #	15
43) Isopropyl Acetate	6.342	43	95798	28.948	ug/l	99
48) Methyl methacrylate	7.799	41	73608	45.333	ug/l #	45
49) 1,4-Dioxane	7.787	88	32	1.014	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70827	35.239	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	448	0.231	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	30497	14.632	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	3353	1.563	ug/l #	43
59) 2-Hexanone	9.482	43	46399	30.527	ug/l #	53
74) N-amyl acetate	10.799	43	578	0.210	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	44942	27.164	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	44942	70.399	ug/l #	8

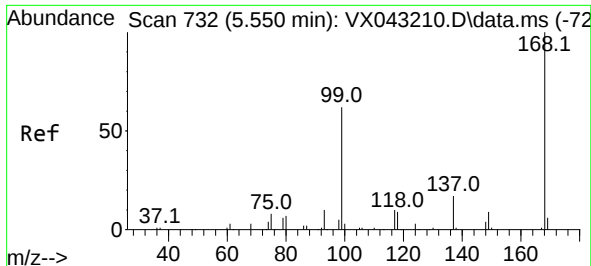
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Oct 22 02:40:16 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

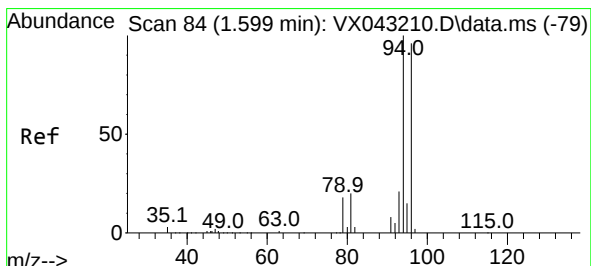
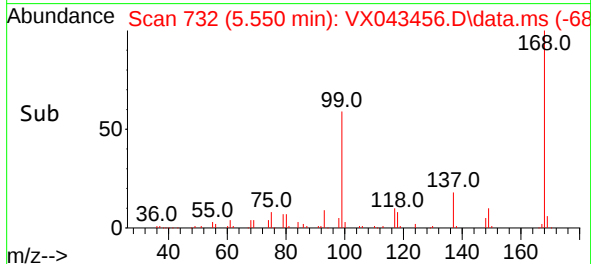
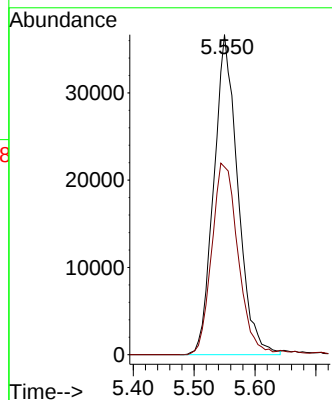
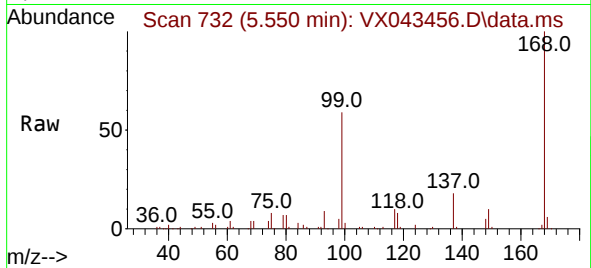




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

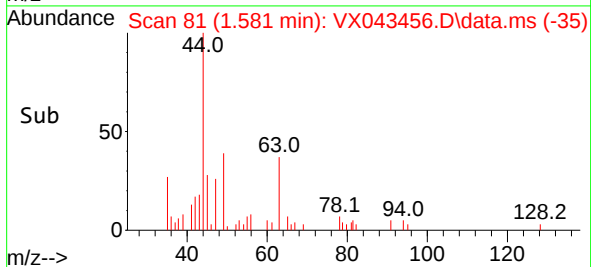
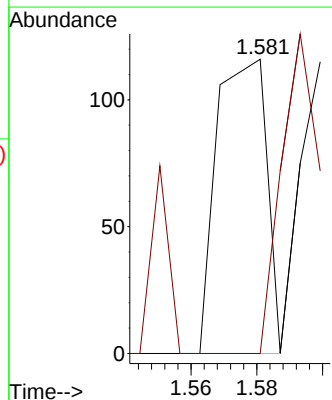
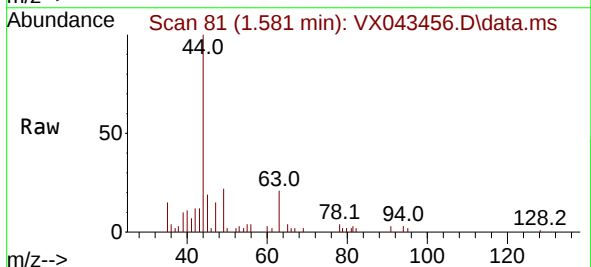
Instrument :
MSVOA_X
ClientSampleId :

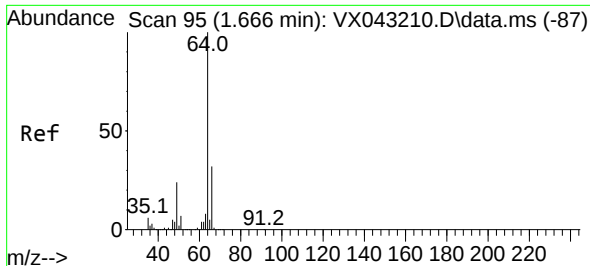
Tgt Ion:168 Resp: 100546
Ion Ratio Lower Upper
168 100
99 58.7 49.7 74.5



#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

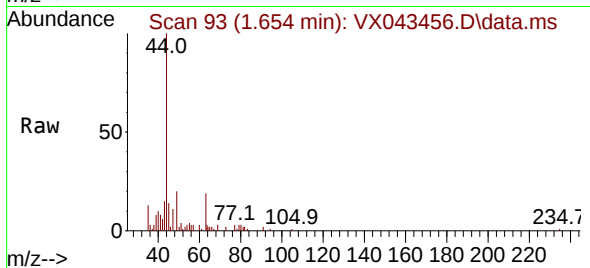
Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#



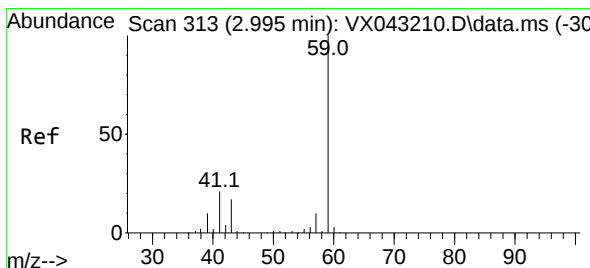
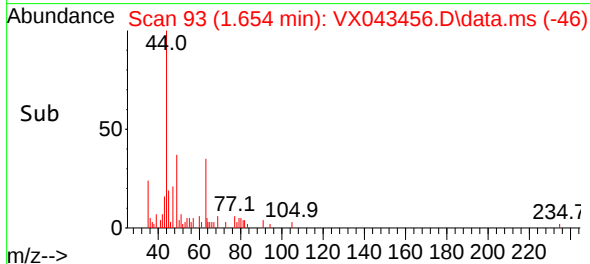
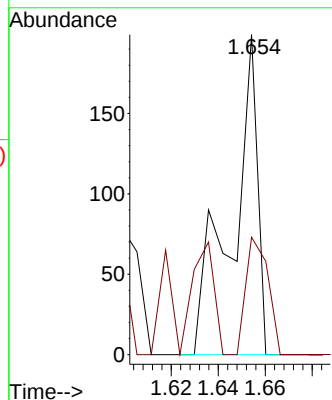


#6
Chloroethane
Concen: 0.334 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :

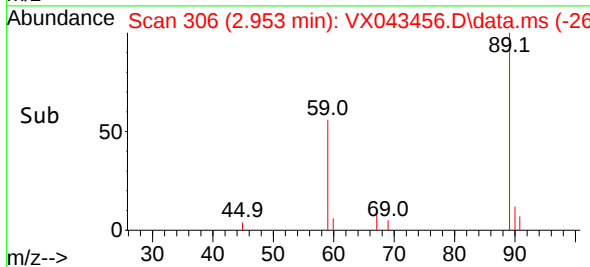
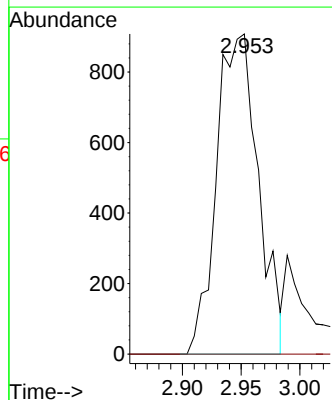
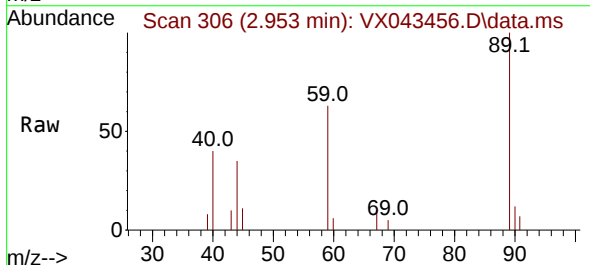


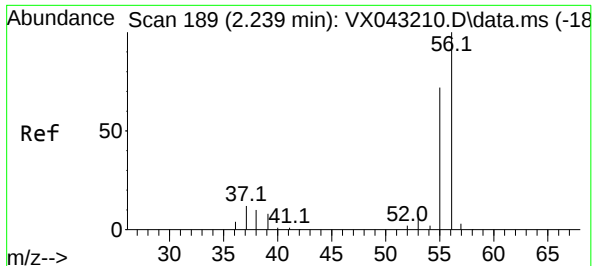
Tgt Ion: 64 Resp: 150
Ion Ratio Lower Upper
64 100
66 36.7 25.8 38.8



#11
Tert butyl alcohol
Concen: 7.181 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

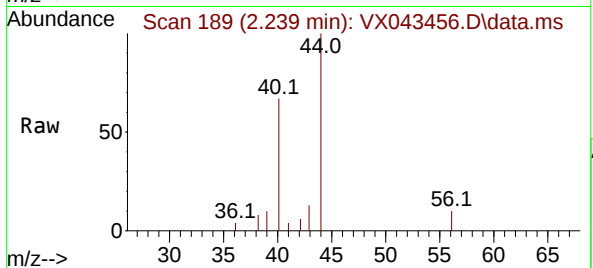
Tgt Ion: 59 Resp: 2244
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



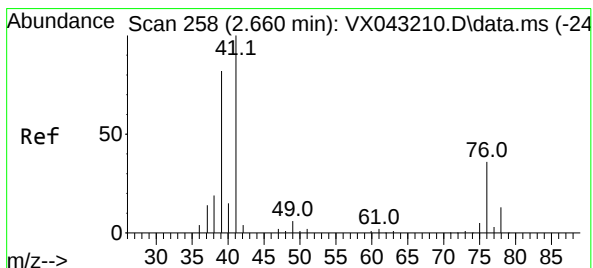
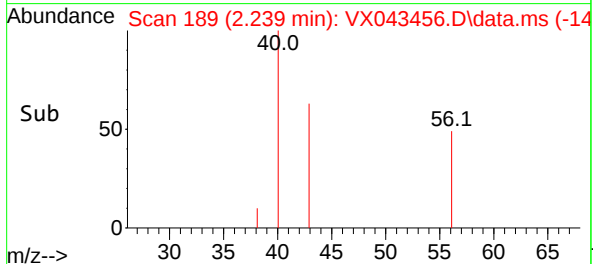
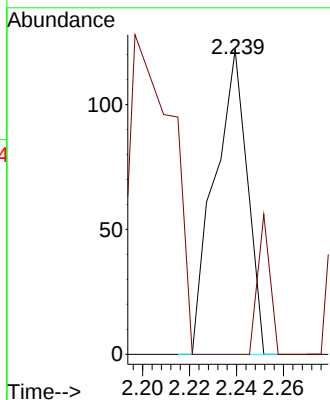


#13
Acrolein
Concen: 0.400 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :

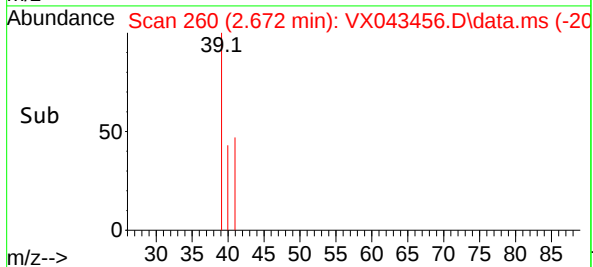
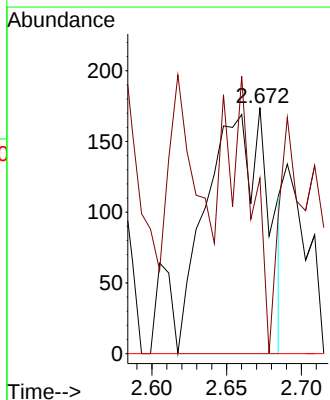
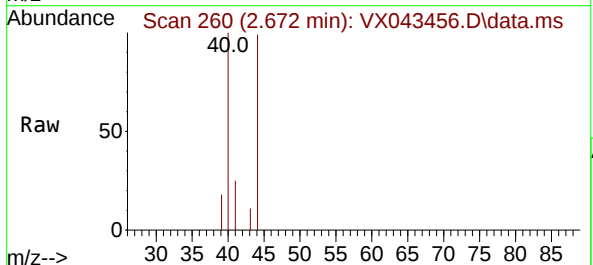


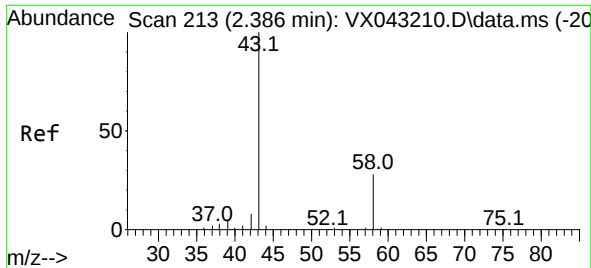
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 16.9 57.4 86.0#



#14
Allyl chloride
Concen: 0.266 ug/l
RT: 2.672 min Scan# 260
Delta R.T. 0.012 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 41 Resp: 488
Ion Ratio Lower Upper
41 100
39 35.5 61.7 92.5#
76 0.0 28.6 43.0#

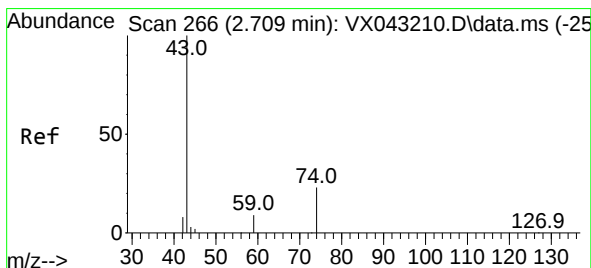
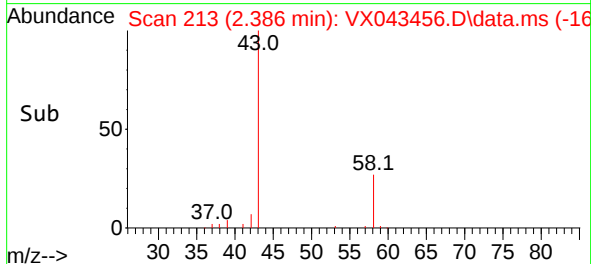
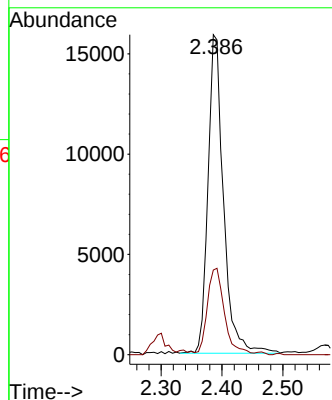
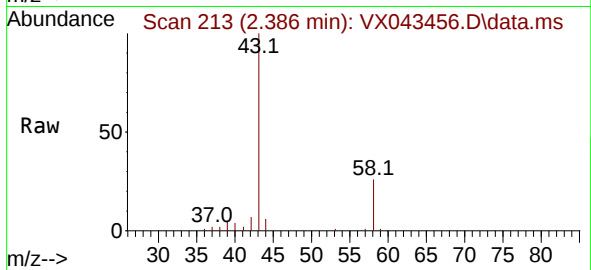




#16
Acetone
Concen: 40.918 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

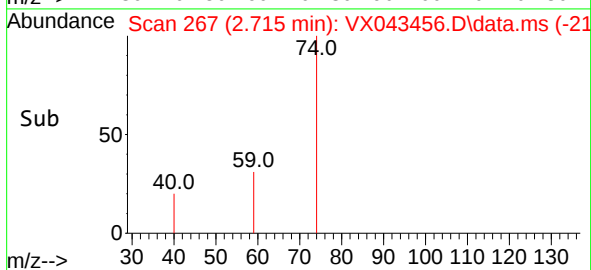
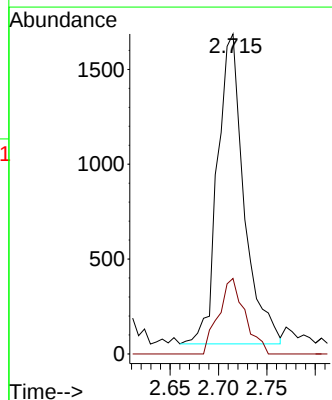
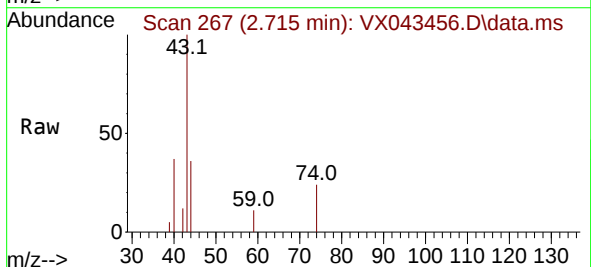
Instrument :
MSVOA_X
ClientSampleId :

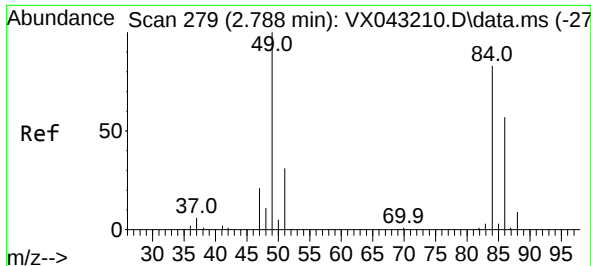
Tgt Ion: 43 Resp: 28059
Ion Ratio Lower Upper
43 100
58 26.2 22.6 33.8



#18
Methyl Acetate
Concen: 1.808 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

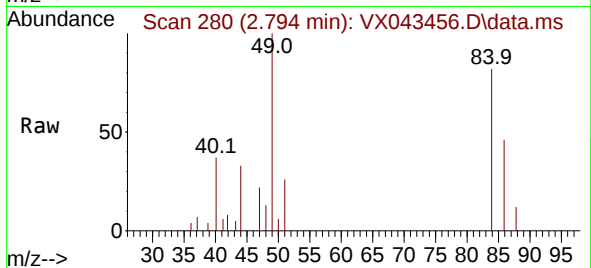
Tgt Ion: 43 Resp: 3111
Ion Ratio Lower Upper
43 100
74 24.1 19.1 28.7



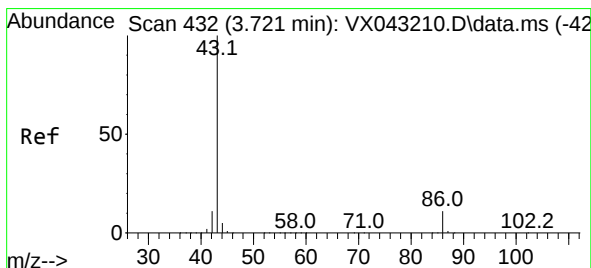
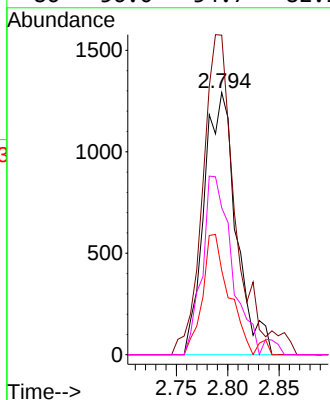
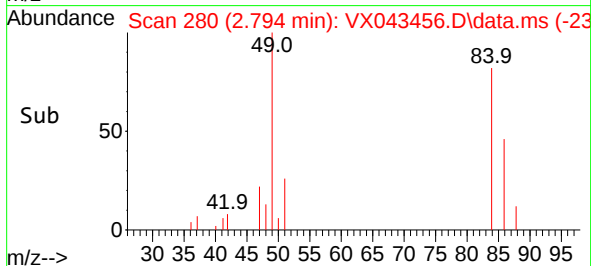


#20
Methylene Chloride
Concen: 2.219 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :

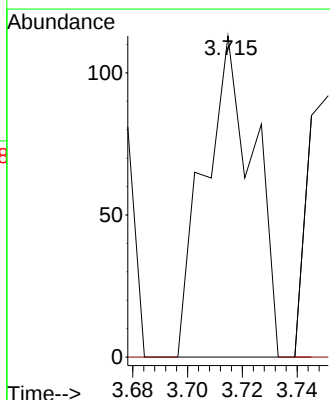
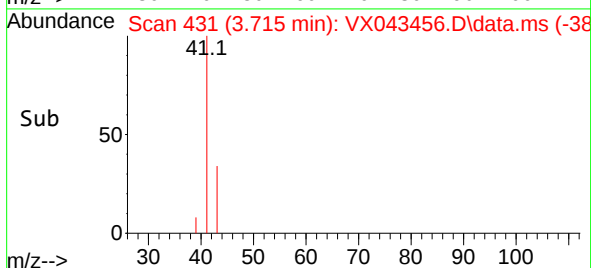
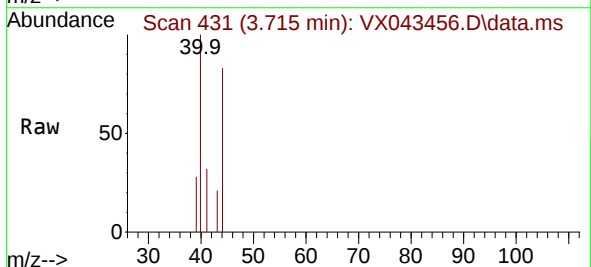


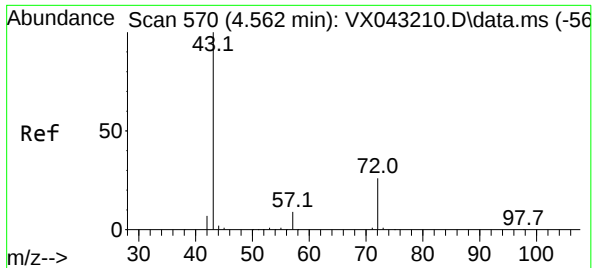
Tgt Ion: 84	Resp: 2805
Ion Ratio	Lower Upper
84 100	
49 116.0	96.7 145.1
51 32.2	30.4 45.6
86 56.0	54.7 82.1



#23
Vinyl Acetate
Concen: 6.373 ug/l
RT: 3.715 min Scan# 431
Delta R.T. -0.006 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 43	Resp: 141		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	8.8	13.2#	

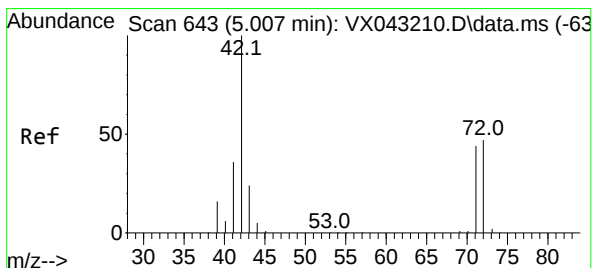
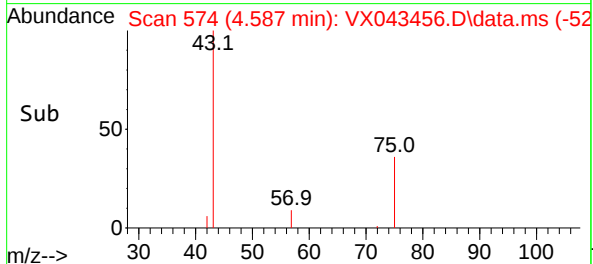
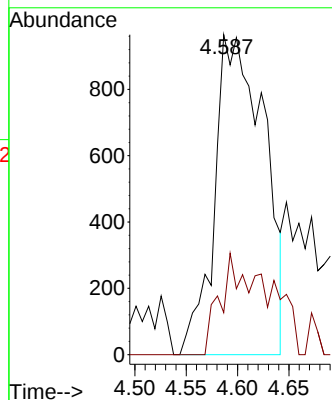
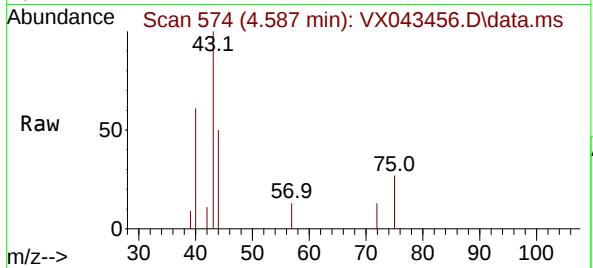




#25
2-Butanone
Concen: 3.441 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

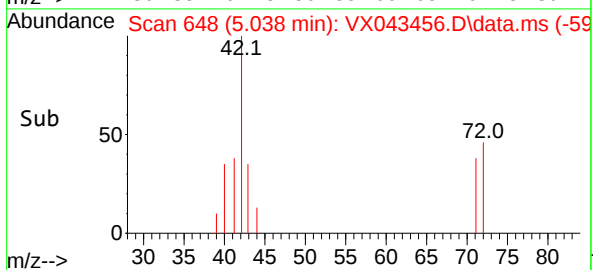
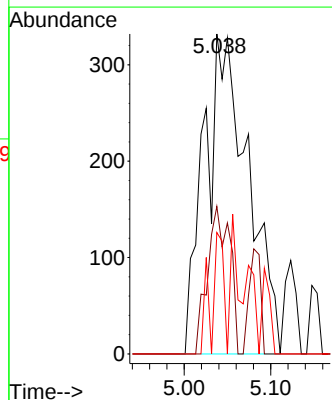
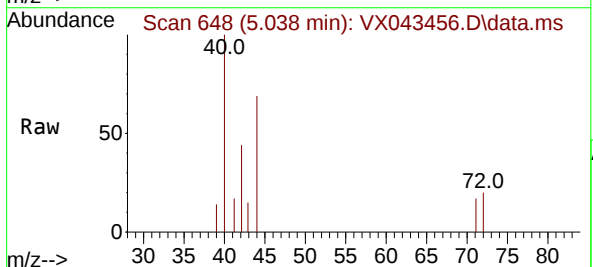
Instrument :
MSVOA_X
ClientSampleId :

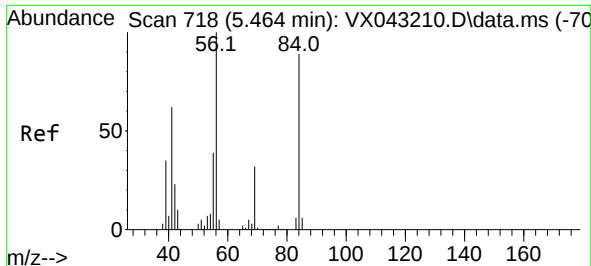
Tgt Ion: 43 Resp: 3235
Ion Ratio Lower Upper
43 100
72 13.2 20.6 31.0#



#29
Tetrahydrofuran
Concen: 1.957 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

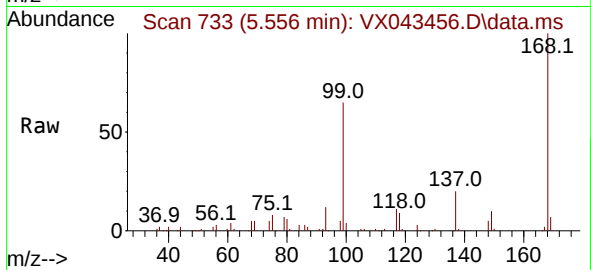
Tgt Ion: 42 Resp: 1172
Ion Ratio Lower Upper
42 100
72 23.5 37.7 56.5#
71 10.7 34.6 52.0#



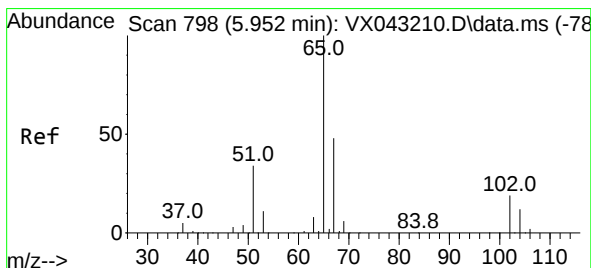
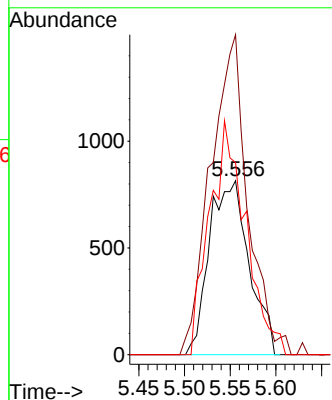
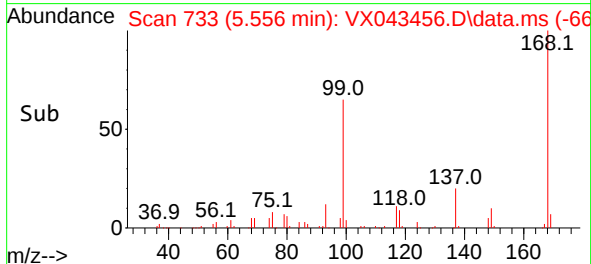


#31
Cyclohexane
Concen: 1.392 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :

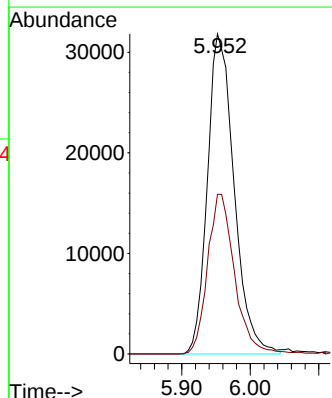
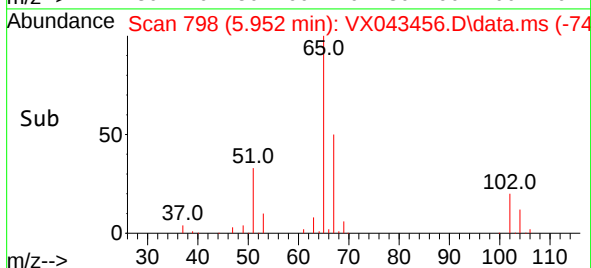
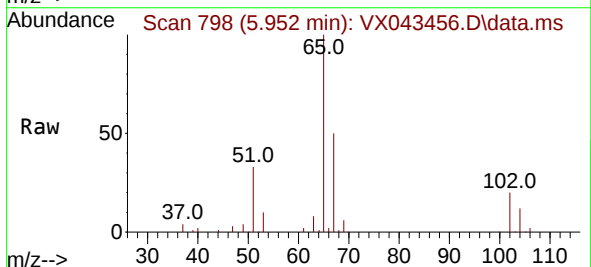


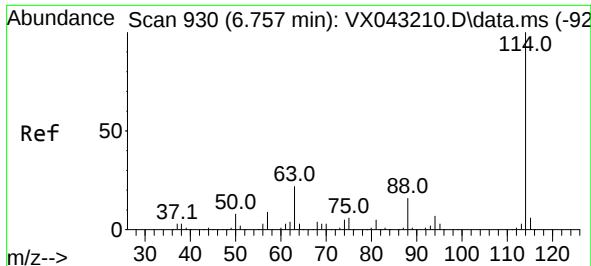
Tgt Ion: 56 Resp: 2467
Ion Ratio Lower Upper
56 100
69 183.9 25.8 38.6#
84 110.4 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 52.445 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 65 Resp: 86119
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.0

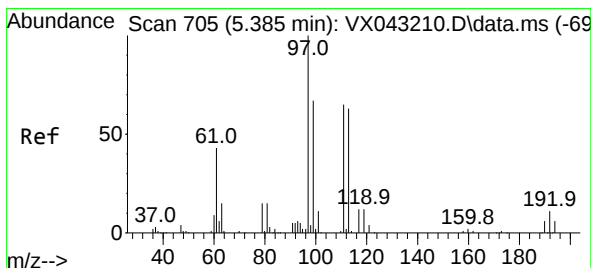
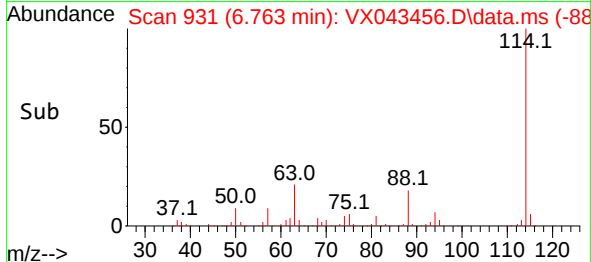
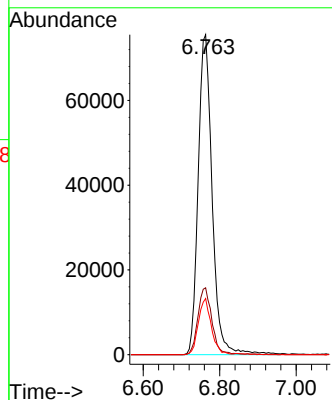
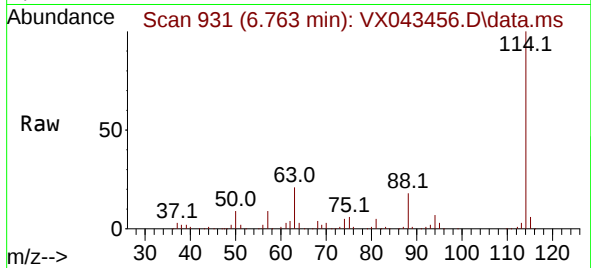




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

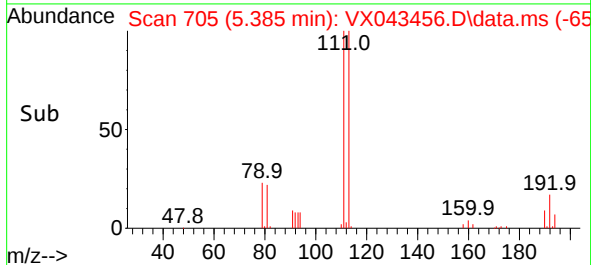
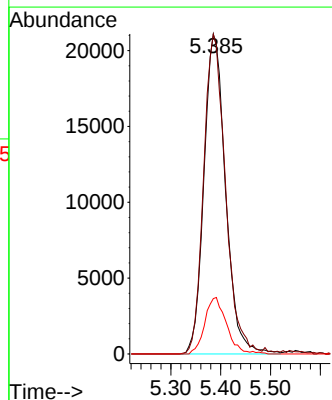
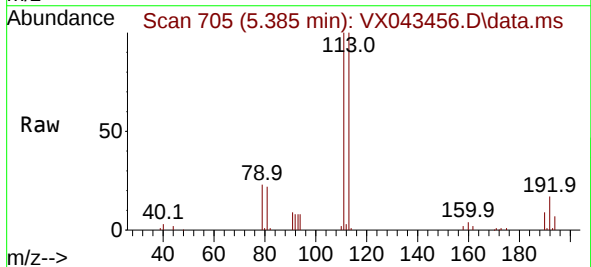
Instrument :
MSVOA_X
ClientSampleId :

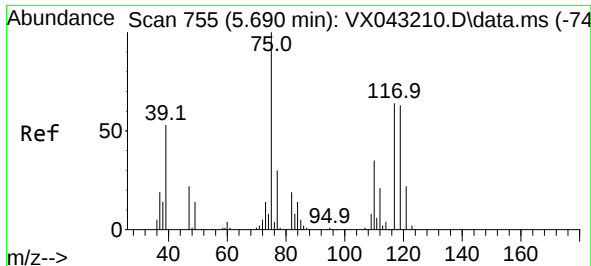
Tgt Ion:114 Resp: 191497
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.0
88 17.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.076 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion:113 Resp: 63491
Ion Ratio Lower Upper
113 100
111 100.7 83.4 125.0
192 17.8 14.1 21.1

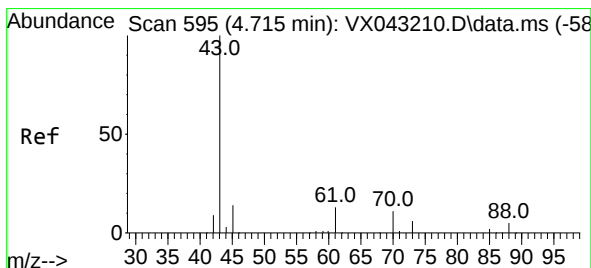
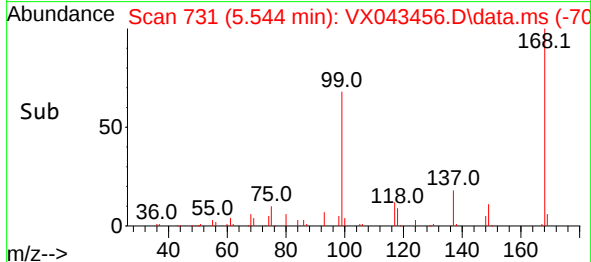
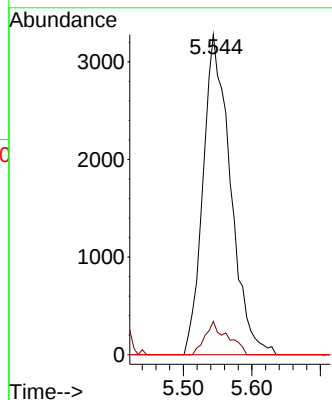
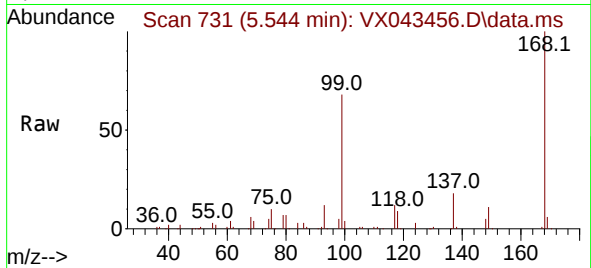




#36
1,1-Dichloropropene
Concen: 5.467 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

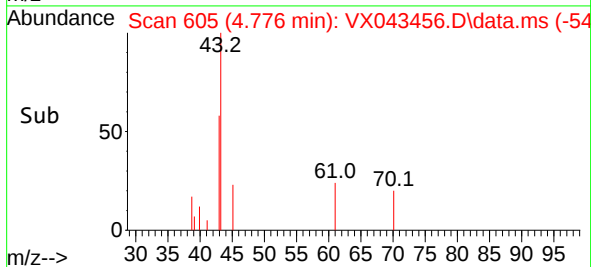
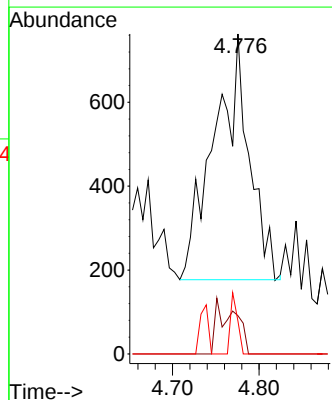
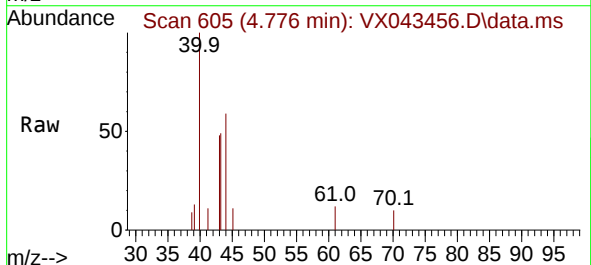
Instrument :
MSVOA_X
ClientSampleId :

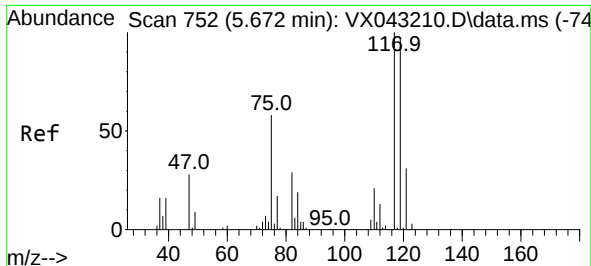
Tgt Ion: 75 Resp: 9121
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.824 ug/l
RT: 4.776 min Scan# 605
Delta R.T. 0.061 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

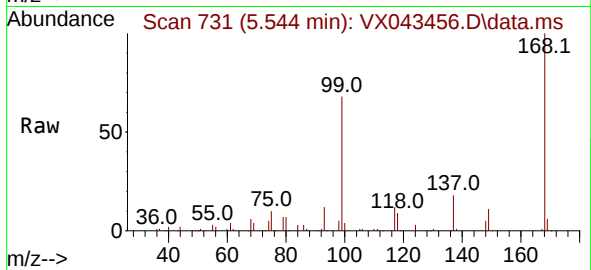
Tgt Ion: 43 Resp: 1650
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 5.0 8.9 13.3#



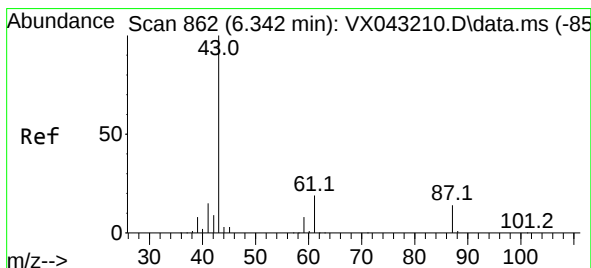
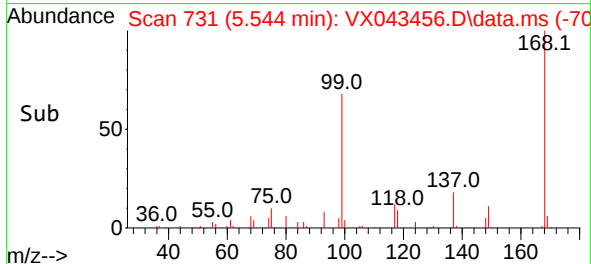
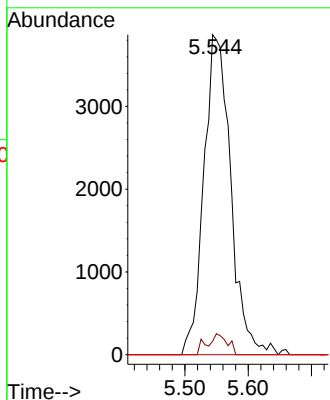


#38
Carbon Tetrachloride
Concen: 5.774 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :

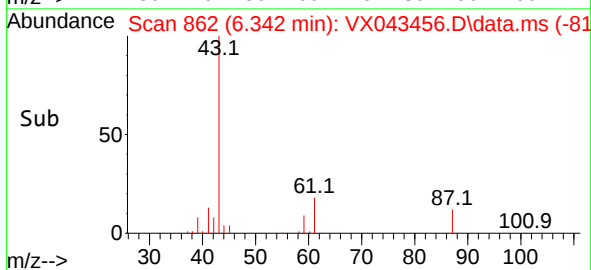
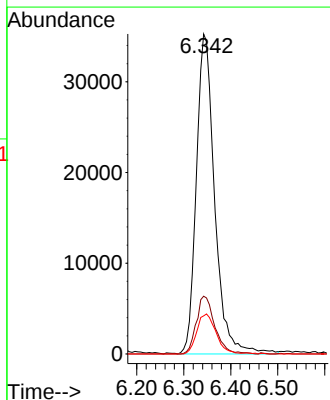
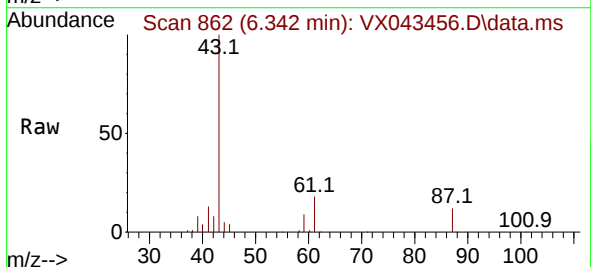


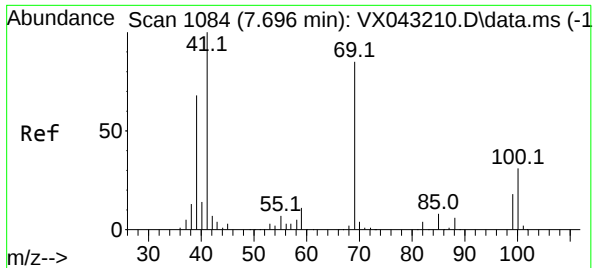
Tgt Ion:117 Resp: 11405
Ion Ratio Lower Upper
117 100
119 4.2 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 28.948 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 43 Resp: 95798
Ion Ratio Lower Upper
43 100
61 18.2 15.1 22.7
87 13.0 10.8 16.2

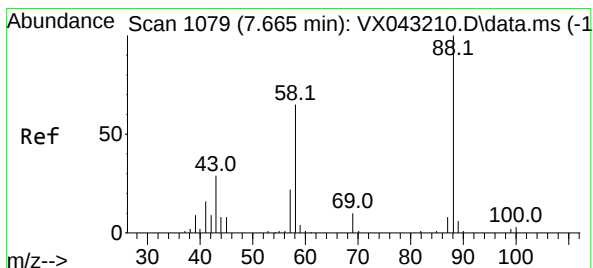
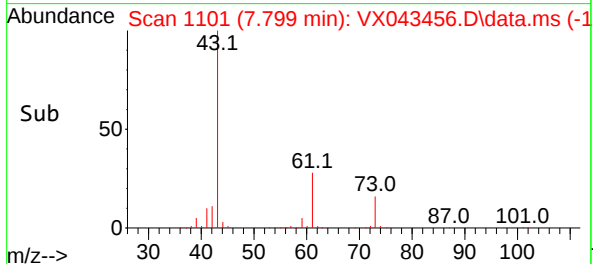
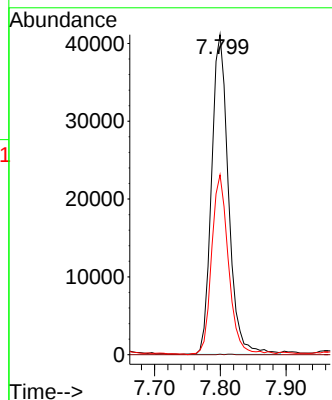
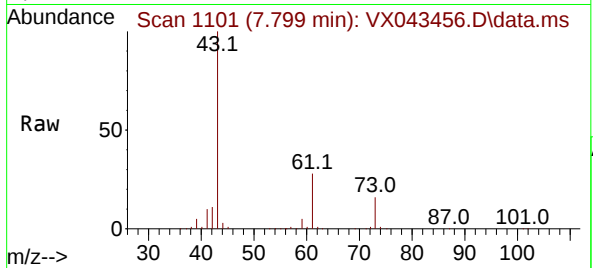




#48
Methyl methacrylate
Concen: 45.333 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

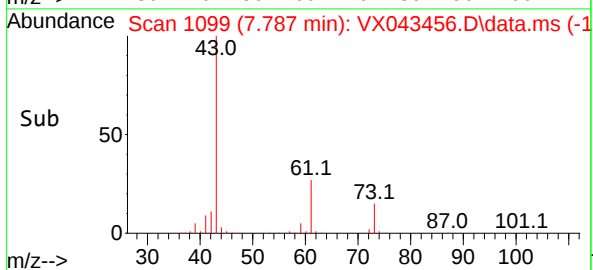
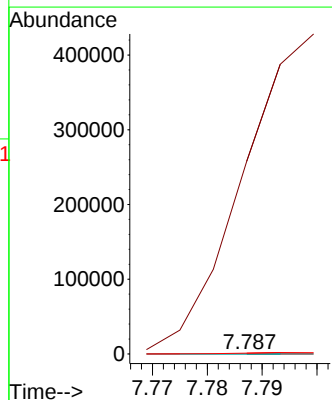
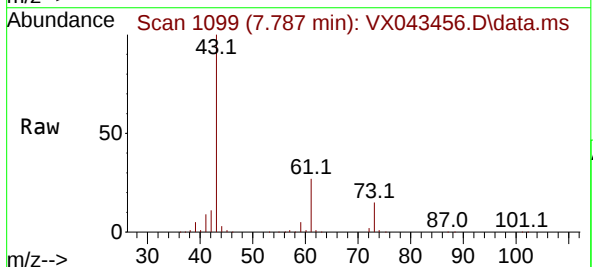
Instrument :
MSVOA_X
ClientSampleId :

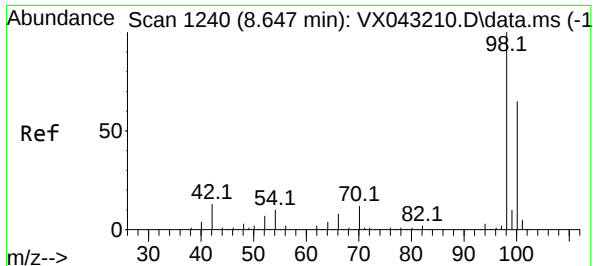
Tgt Ion: 41 Resp: 73608
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.5 52.8 79.2



#49
1,4-Dioxane
Concen: 1.014 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.122 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 0.0 29.5 44.3#
58 10193.8 55.2 82.8#

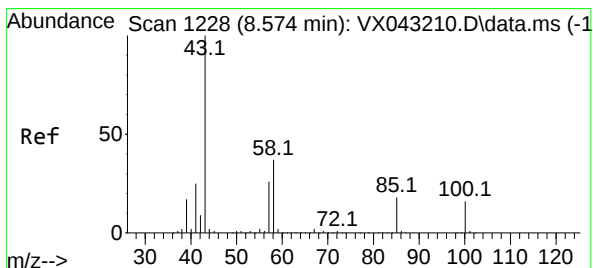
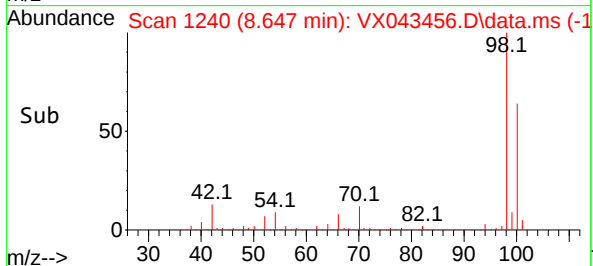
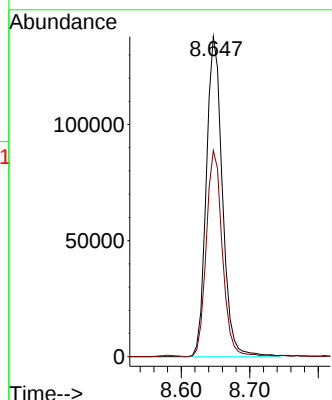
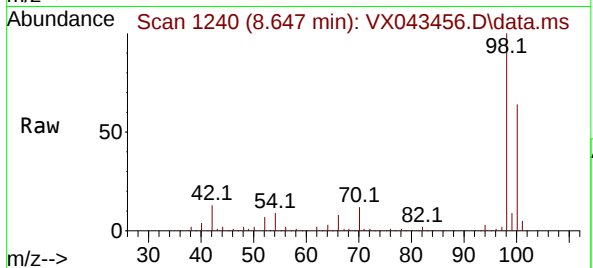




#50
Toluene-d8
Concen: 49.273 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

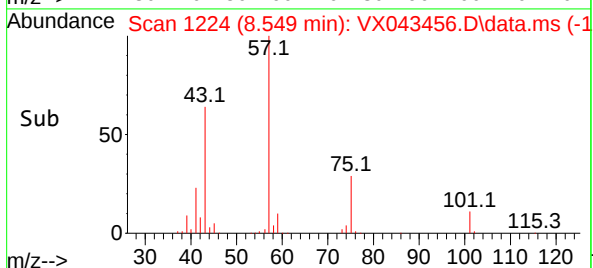
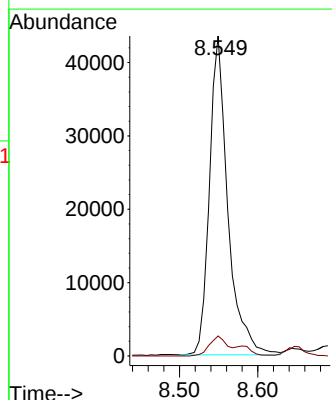
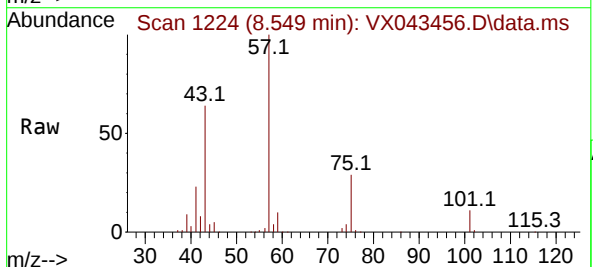
Instrument :
MSVOA_X
ClientSampleId :

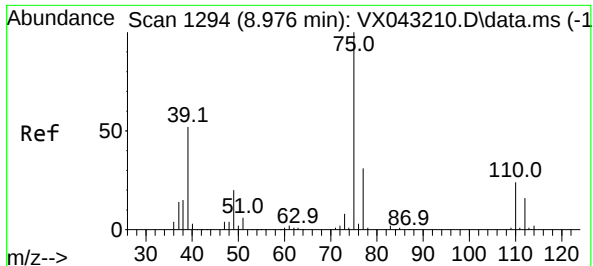
Tgt Ion: 98 Resp: 225502
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 35.239 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 43 Resp: 70827
Ion Ratio Lower Upper
43 100
58 6.0 30.0 45.0#

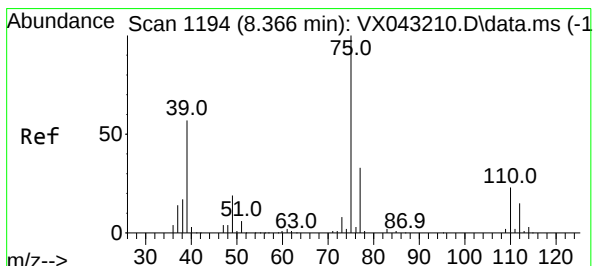
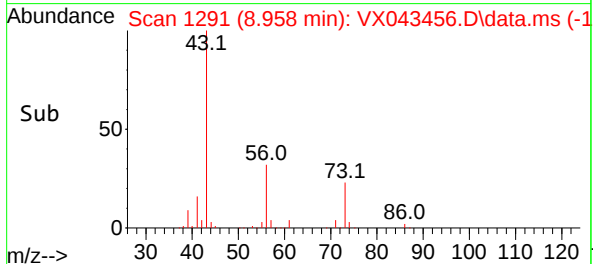
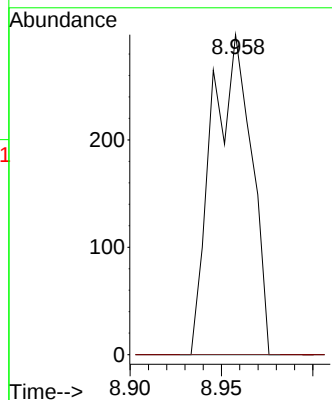
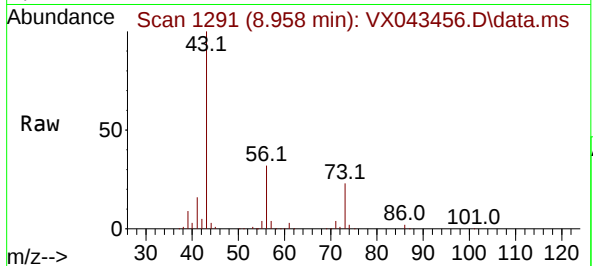




#53
t-1,3-Dichloropropene
Concen: 0.231 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

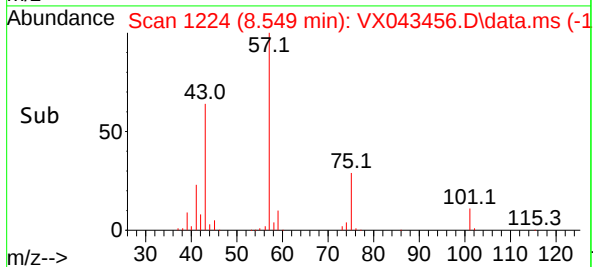
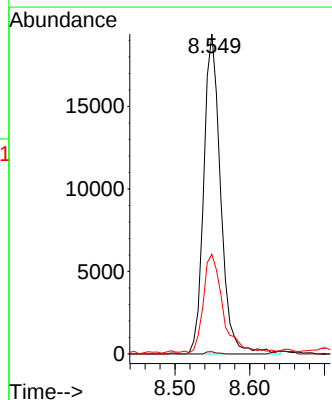
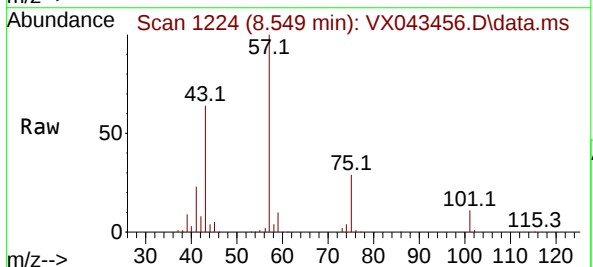
Instrument :
MSVOA_X
ClientSampleId :

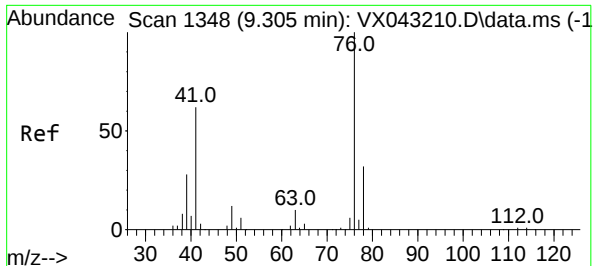
Tgt Ion: 75 Resp: 448
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 14.632 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 75 Resp: 30497
Ion Ratio Lower Upper
75 100
77 0.7 26.0 39.0#
39 30.6 45.8 68.8#





#57

1,3-Dichloropropane

Concen: 1.563 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043456.D

Acq: 21 Oct 2024 15:49

Instrument :

MSVOA_X

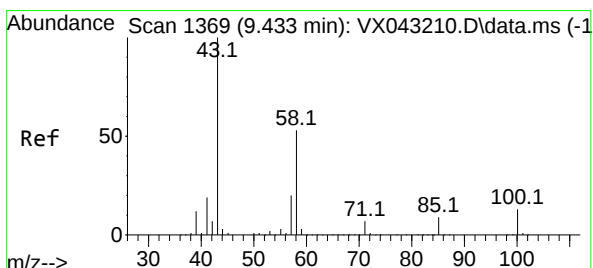
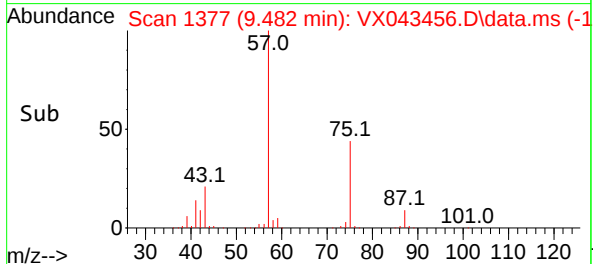
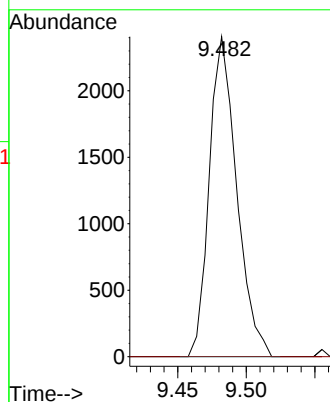
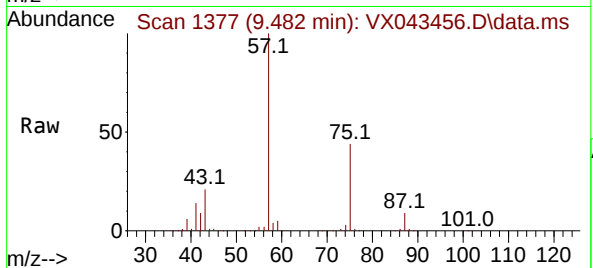
ClientSampleId :

Tgt Ion: 76 Resp: 3353

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 30.527 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043456.D

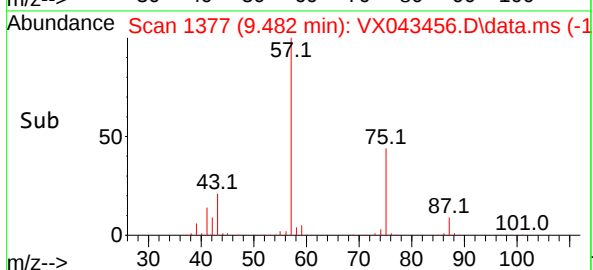
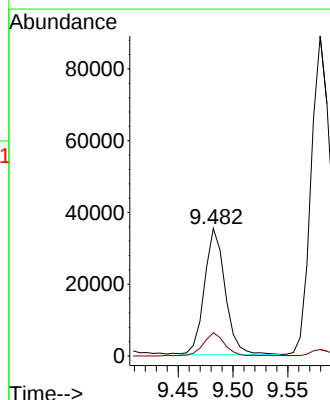
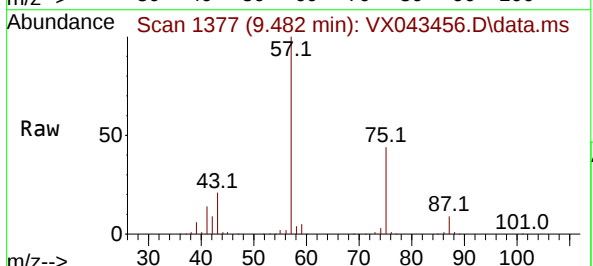
Acq: 21 Oct 2024 15:49

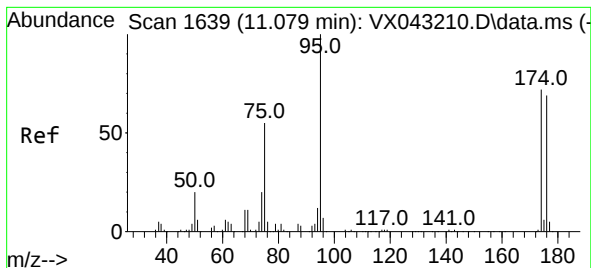
Tgt Ion: 43 Resp: 46399

Ion Ratio Lower Upper

43 100

58 19.4 26.1 78.3#

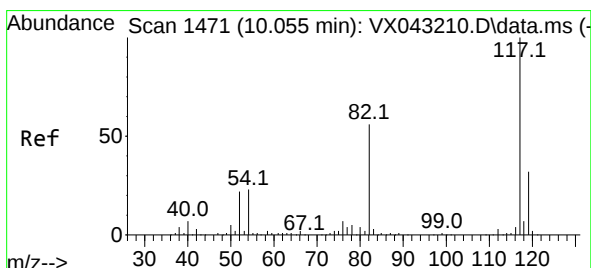
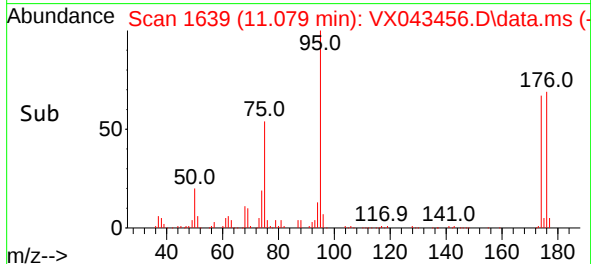
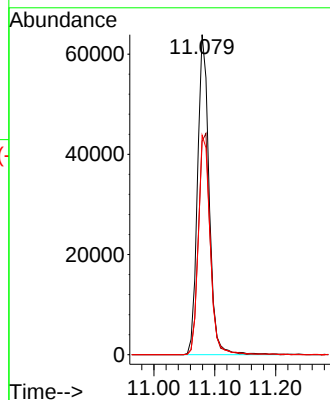
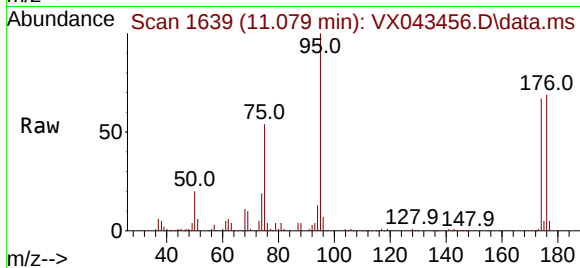




#62
4-Bromofluorobenzene
Concen: 50.571 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

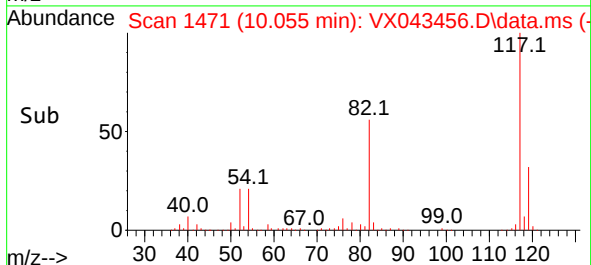
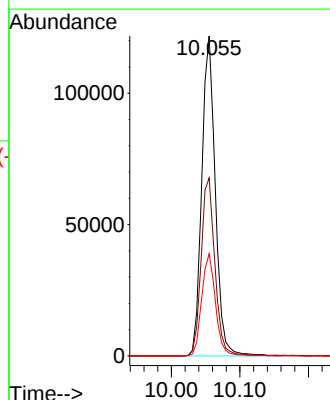
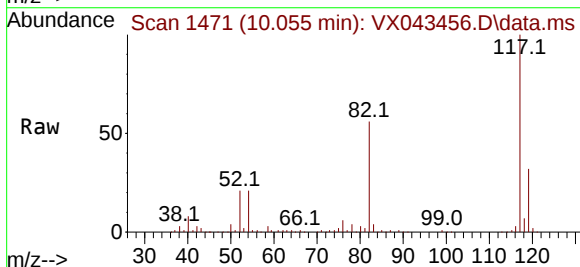
Instrument :
MSVOA_X
ClientSampleId :

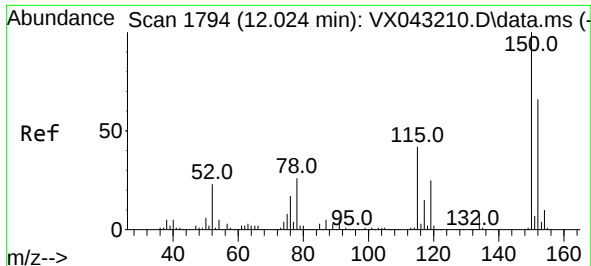
Tgt Ion: 95 Resp: 84082
Ion Ratio Lower Upper
95 100
174 70.6 0.0 145.0
176 70.0 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

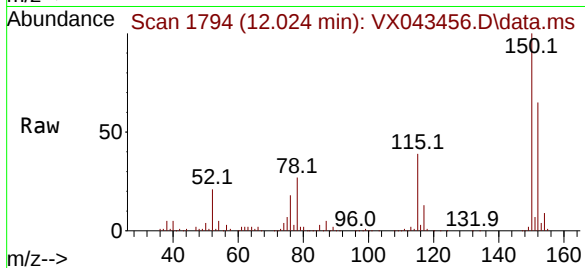
Tgt Ion: 117 Resp: 167901
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.6
119 32.0 25.3 37.9



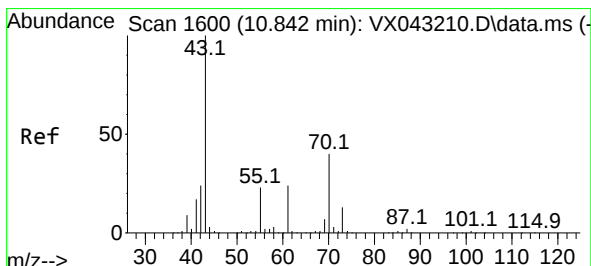
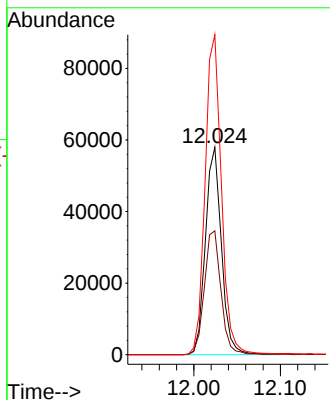
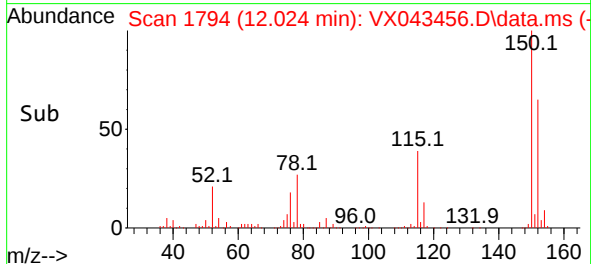


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

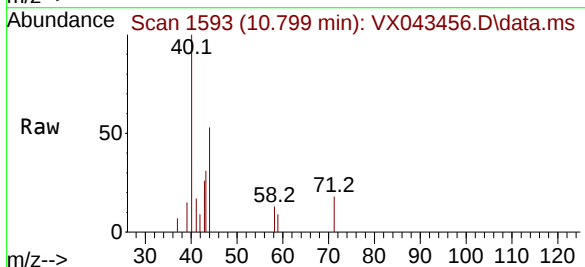
Instrument :
MSVOA_X
ClientSampleId :



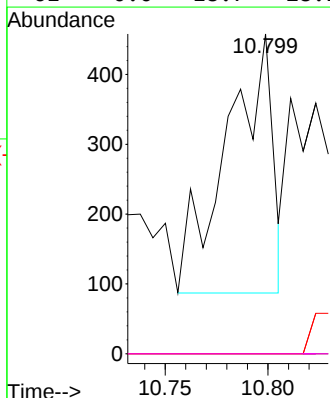
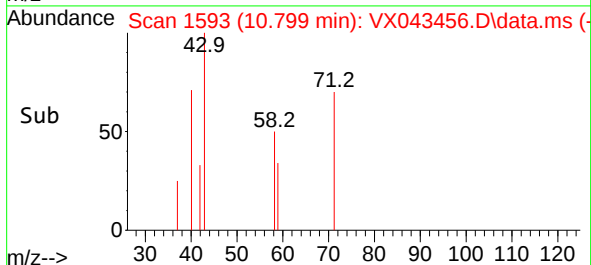
Tgt Ion:152 Resp: 74590
Ion Ratio Lower Upper
152 100
115 61.7 44.1 132.3
150 156.8 0.0 347.4

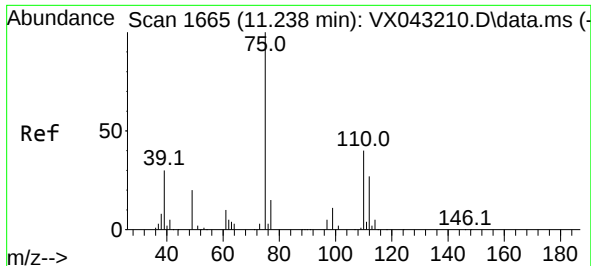


#74
N-ethyl acetate
Concen: 0.210 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.043 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49



Tgt Ion: 43 Resp: 578
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#

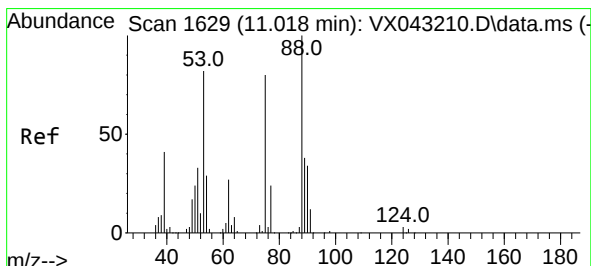
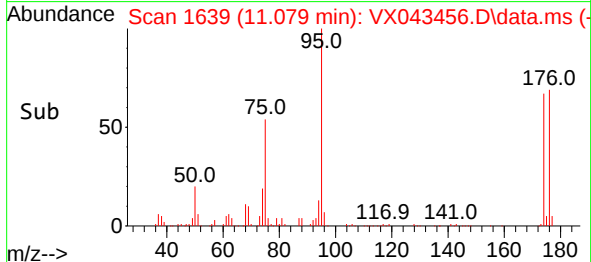
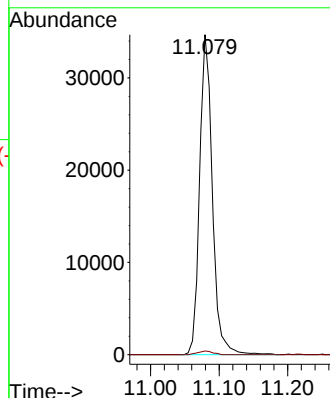
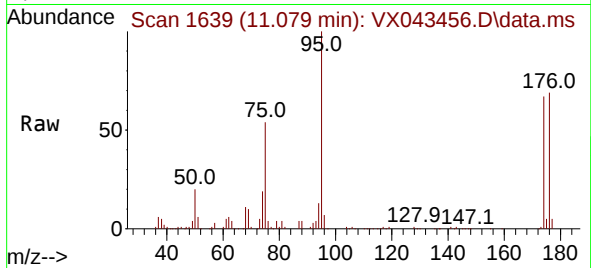




#76
1,2,3-Trichloropropane
Concen: 27.164 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 44942
Ion Ratio Lower Upper
75 100
77 1.3 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.399 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043456.D
Acq: 21 Oct 2024 15:49

Tgt Ion: 75 Resp: 44942
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.1 38.6 58.0#

