

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
 Data File : VX044456.D
 Acq On : 20 Dec 2024 16:43
 Operator : JC/MD
 Sample : P5330-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 22:27:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

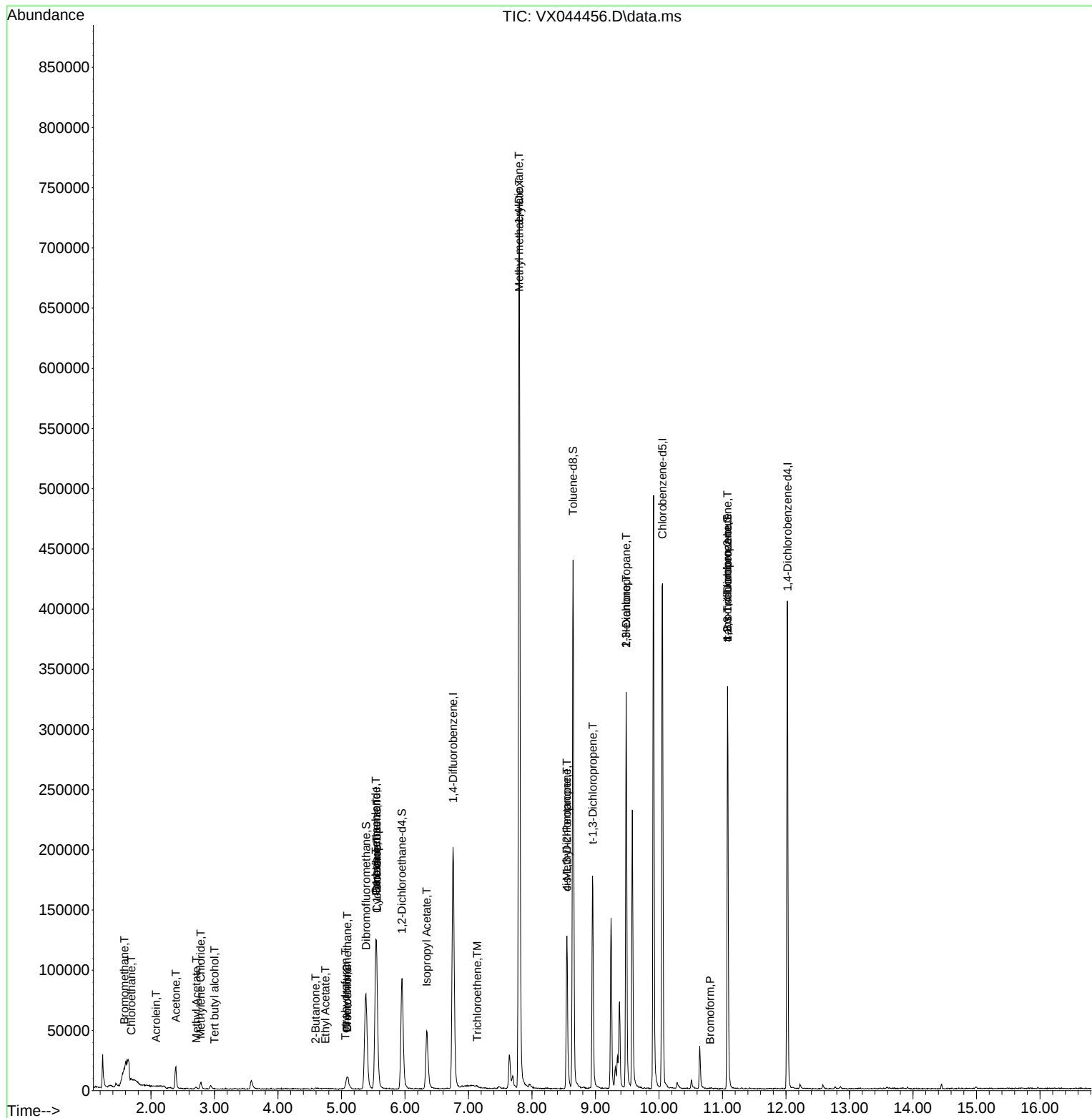
Internal Standards						
1) Pentafluorobenzene	5.550	168	119480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88252	42.128	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.260%		
35) Dibromofluoromethane	5.385	113	69526	48.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	8.647	98	252195	51.883	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.760%		
62) 4-Bromofluorobenzene	11.079	95	84133	49.534	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.060%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	320	0.245	ug/l #	21
6) Chloroethane	1.691	64	333	0.291	ug/l #	47
11) Tert butyl alcohol	3.002	59	119	0.403	ug/l #	71
13) Acrolein	2.081	56	89	0.208	ug/l #	1
16) Acetone	2.392	43	19873	23.269	ug/l	94
18) Methyl Acetate	2.715	43	1634	0.742	ug/l	95
20) Methylene Chloride	2.782	84	2349	1.464	ug/l	91
25) 2-Butanone	4.593	43	1451	1.195	ug/l #	50
28) Bromochloromethane	5.093	49	775	0.564	ug/l #	13
29) Tetrahydrofuran	5.062	42	628	0.806	ug/l #	54
30) Chloroform	5.087	83	12752	4.054	ug/l	95
31) Cyclohexane	5.556	56	2850	1.261	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	9409	5.052	ug/l #	50
37) Ethyl Acetate	4.745	43	603	0.262	ug/l #	75
38) Carbon Tetrachloride	5.544	117	12837	6.402	ug/l #	18
43) Isopropyl Acetate	6.342	43	67633	18.796	ug/l	99
44) Trichloroethene	7.135	130	349	0.247	ug/l	67
48) Methyl methacrylate	7.799	41	68436	39.180	ug/l #	47
49) 1,4-Dioxane	7.793	88	122	4.213	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47073	20.346	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	452	1.220	ug/l #	41
54) cis-1,3-Dichloropropene	8.549	75	19979	9.480	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	3171	1.291	ug/l #	42
59) 2-Hexanone	9.482	43	39447	23.555	ug/l #	57
71) Bromoform	10.805	173	61	1.303	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	45353	24.459	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	45353	67.846	ug/l #	4

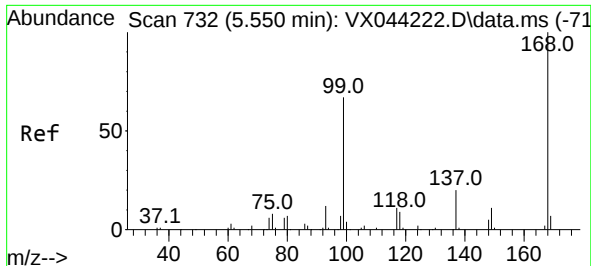
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
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Instrument :
MSVOA_X
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Quant Time: Dec 20 22:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

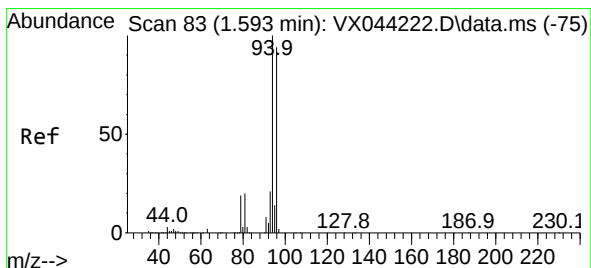
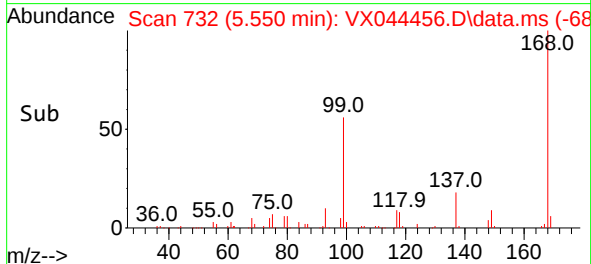
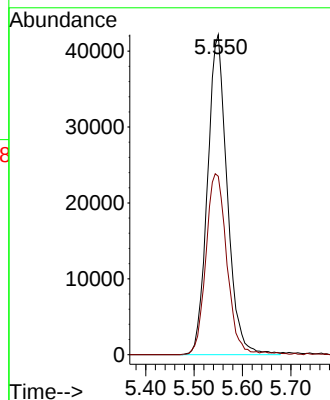
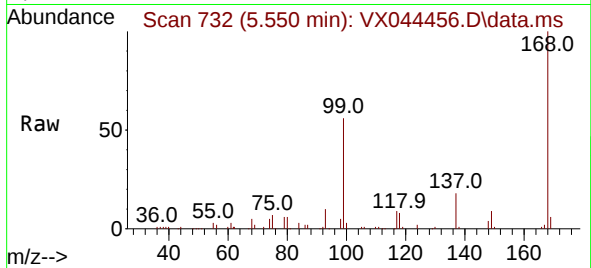




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

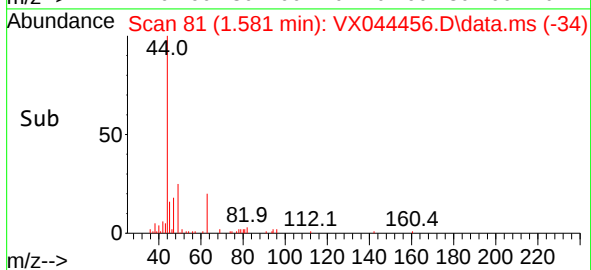
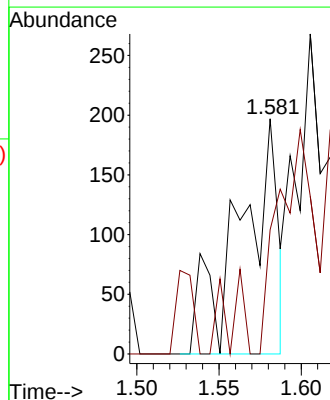
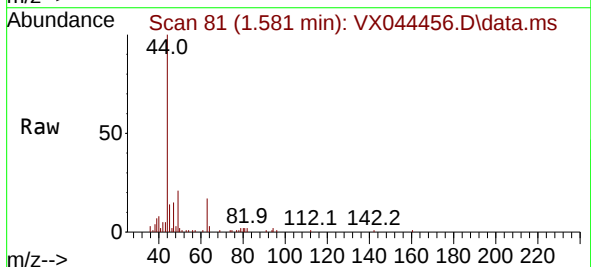
Instrument :
MSVOA_X
ClientSampleId :

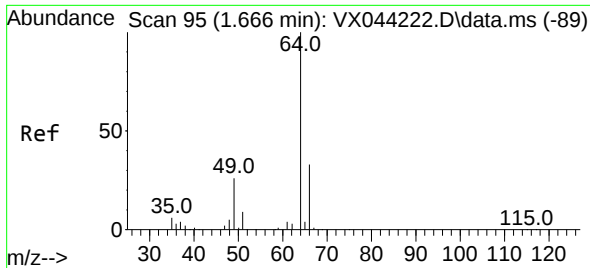
Tgt Ion:168 Resp: 119480
Ion Ratio Lower Upper
168 100
99 55.8 53.4 80.0



#5
Bromomethane
Concen: 0.245 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 94 Resp: 320
Ion Ratio Lower Upper
94 100
96 17.3 74.9 112.3#

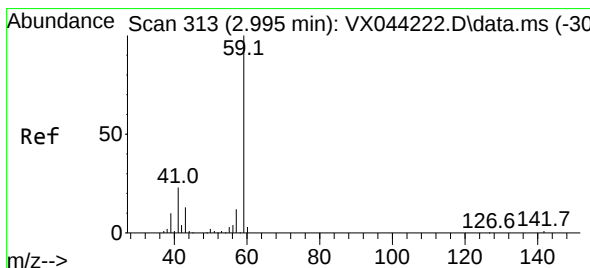
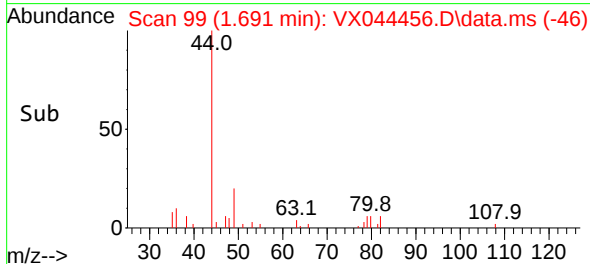
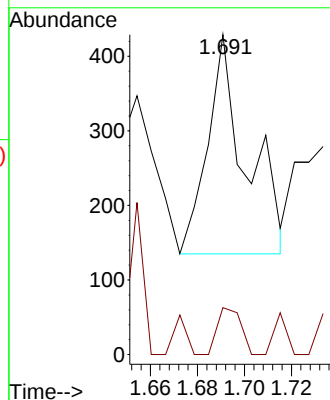
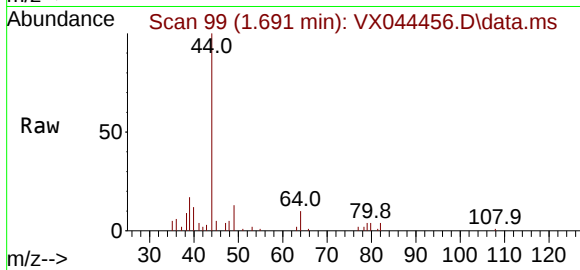




#6
Chloroethane
Concen: 0.291 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.024 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

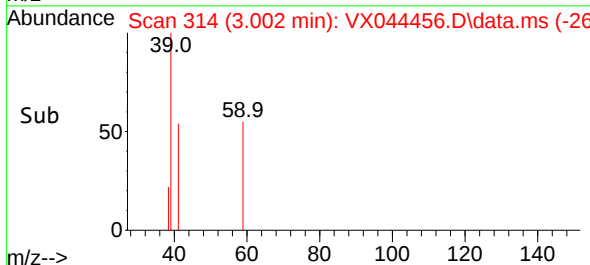
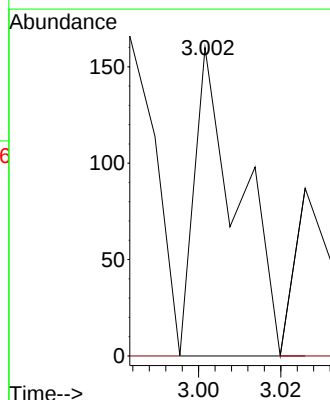
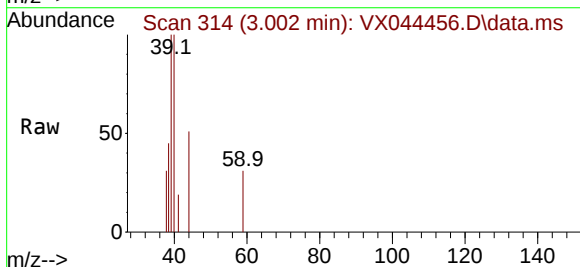
Instrument :
MSVOA_X
ClientSampleId :

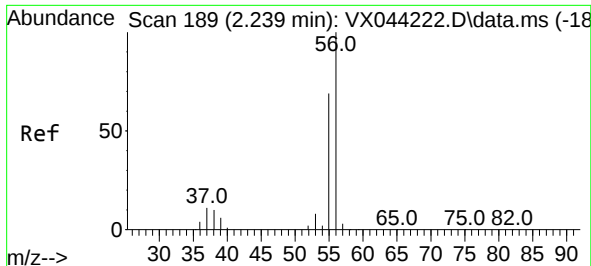
Tgt Ion: 64 Resp: 333
Ion Ratio Lower Upper
64 100
66 3.4 26.6 39.8#



#11
Tert butyl alcohol
Concen: 0.403 ug/l
RT: 3.002 min Scan# 314
Delta R.T. 0.006 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

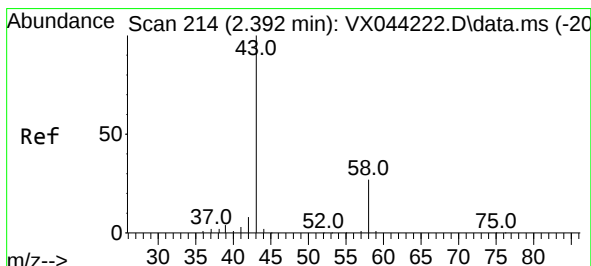
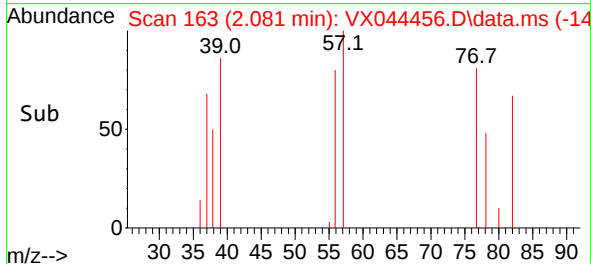
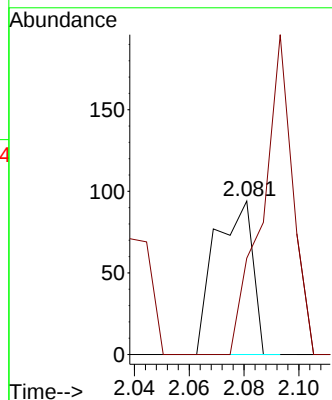
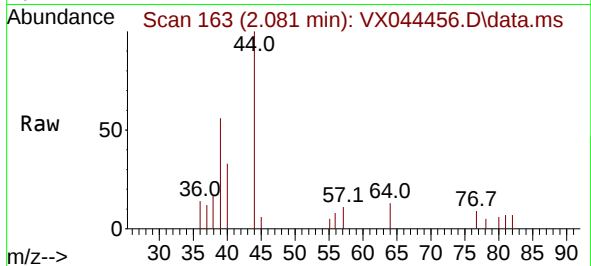




#13
Acrolein
Concen: 0.208 ug/l
RT: 2.081 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

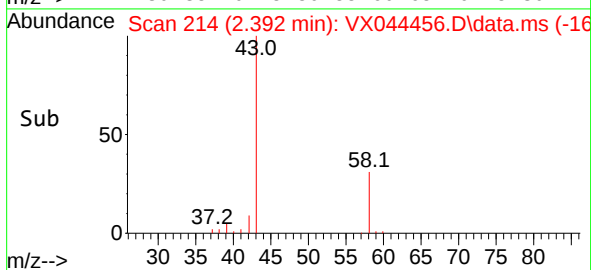
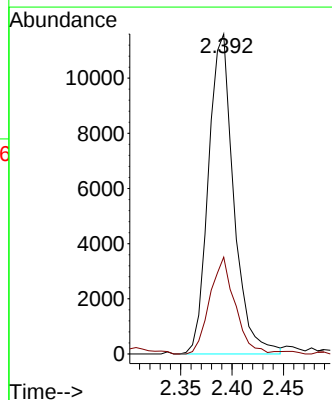
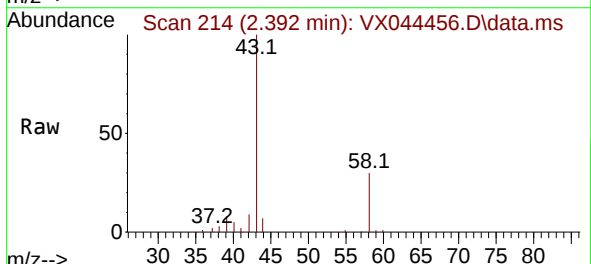
Instrument :
MSVOA_X
ClientSampleId :

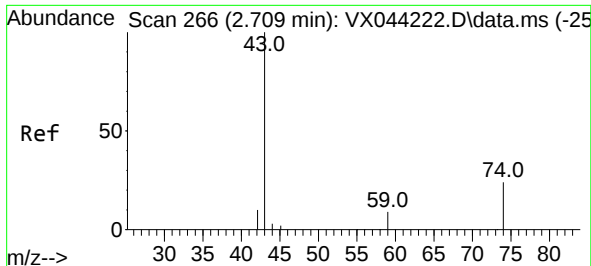
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 168.5 56.6 84.8#



#16
Acetone
Concen: 23.269 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 43 Resp: 19873
Ion Ratio Lower Upper
43 100
58 30.2 21.6 32.4

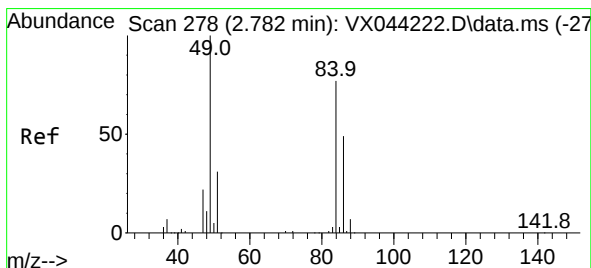
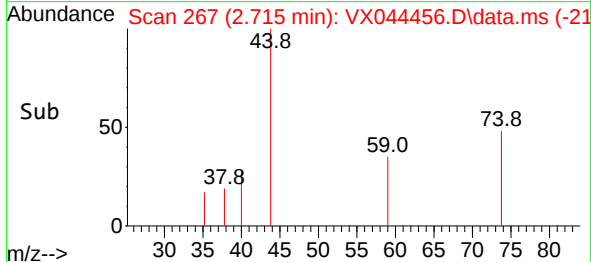
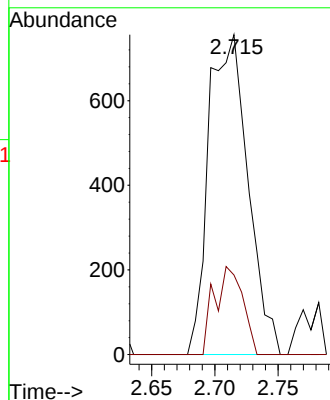
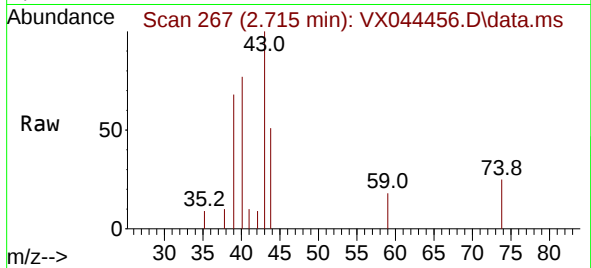




#18
Methyl Acetate
Concen: 0.742 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

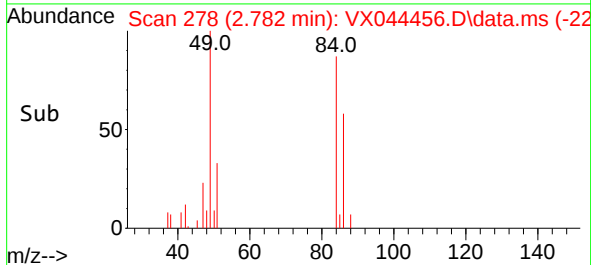
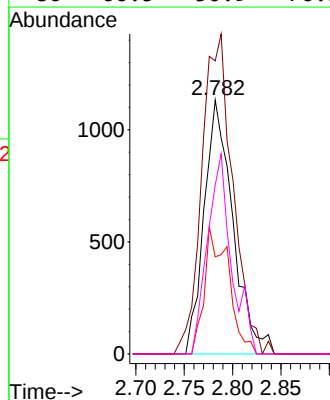
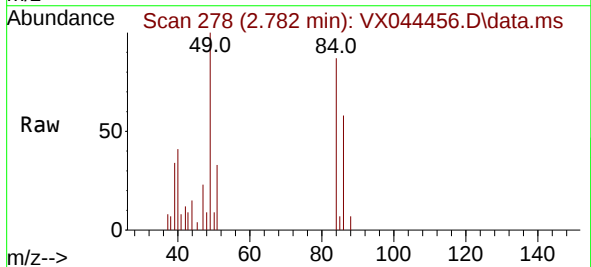
Instrument :
MSVOA_X
ClientSampleId :

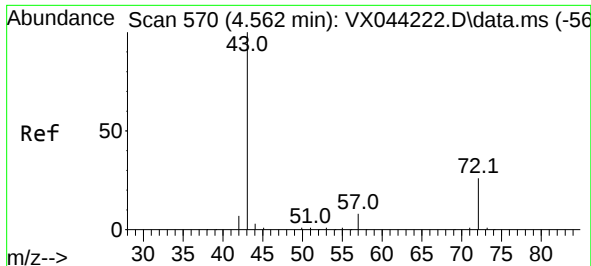
Tgt Ion: 43 Resp: 1634
Ion Ratio Lower Upper
43 100
74 19.8 17.7 26.5



#20
Methylene Chloride
Concen: 1.464 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 84 Resp: 2349
Ion Ratio Lower Upper
84 100
49 115.4 104.2 156.4
51 38.2 32.2 48.4
86 66.5 50.9 76.3

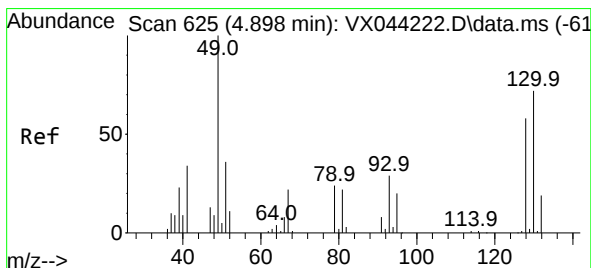
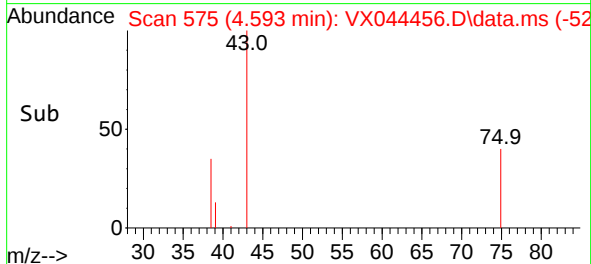
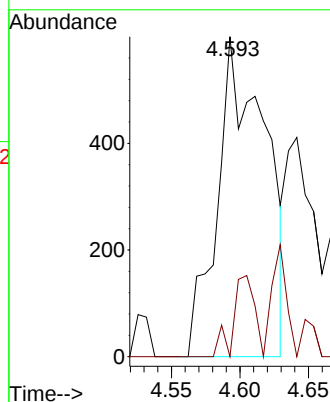
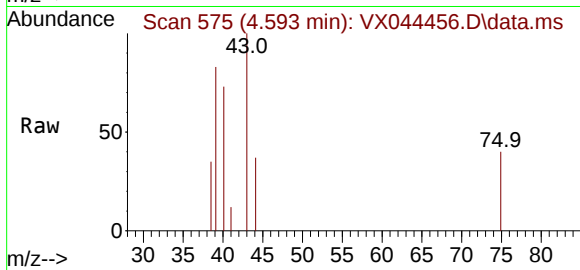




#25
2-Butanone
Concen: 1.195 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

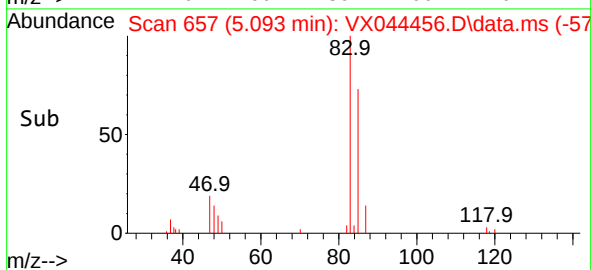
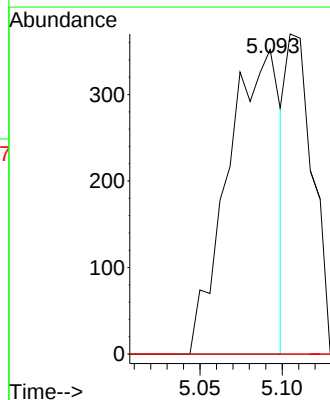
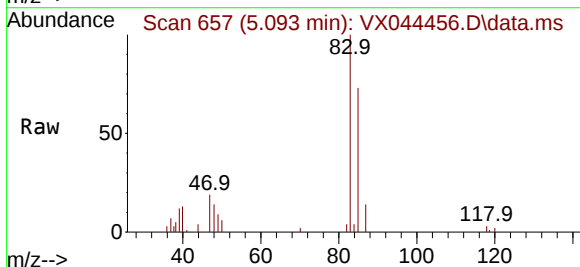
Instrument :
MSVOA_X
ClientSampleId :

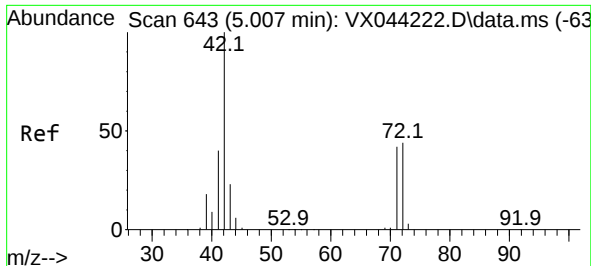
Tgt Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#28
Bromochloromethane
Concen: 0.564 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.195 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 49 Resp: 775
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#





#29

Tetrahydrofuran

Concen: 0.806 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX044456.D

Acq: 20 Dec 2024 16:43

Instrument :

MSVOA_X

ClientSampleId :

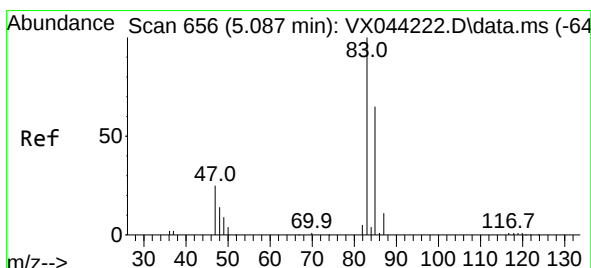
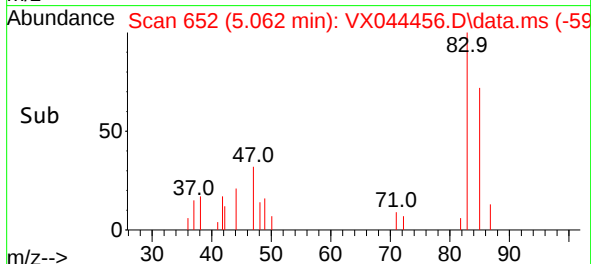
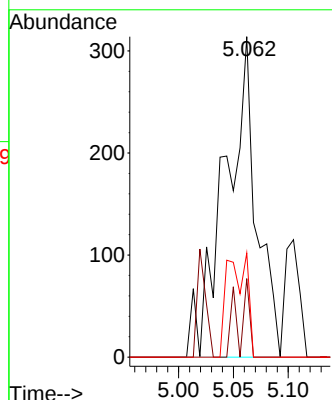
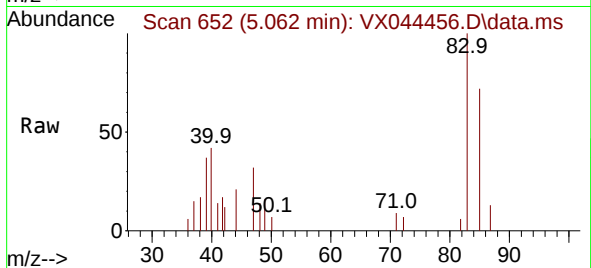
Tgt Ion: 42 Resp: 628

Ion Ratio Lower Upper

42 100

72 8.4 37.0 55.6#

71 20.5 33.6 50.4#



#30

Chloroform

Concen: 4.054 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044456.D

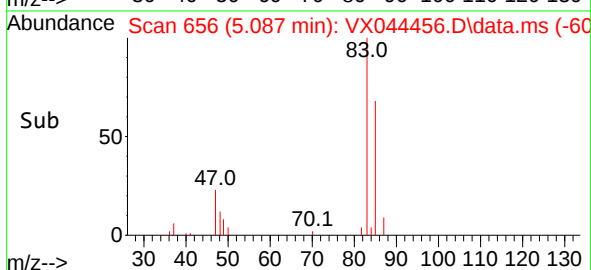
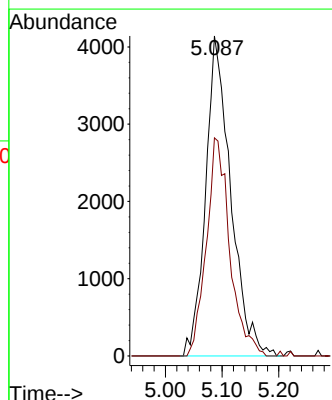
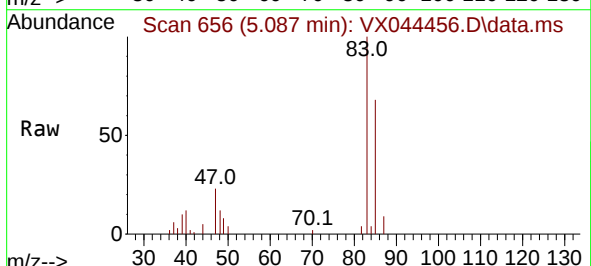
Acq: 20 Dec 2024 16:43

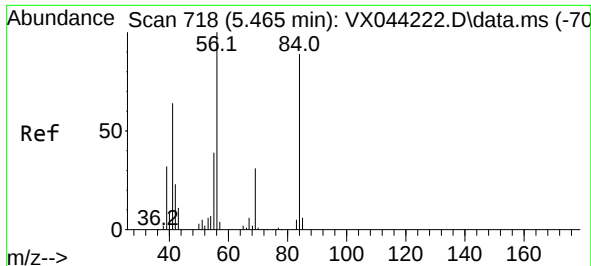
Tgt Ion: 83 Resp: 12752

Ion Ratio Lower Upper

83 100

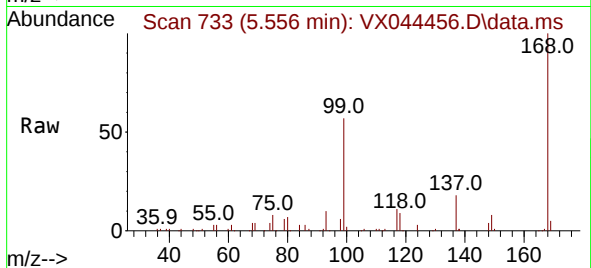
85 68.1 51.6 77.4



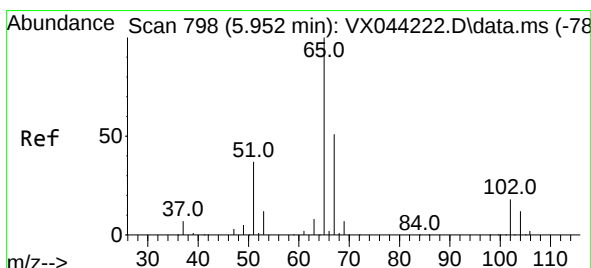
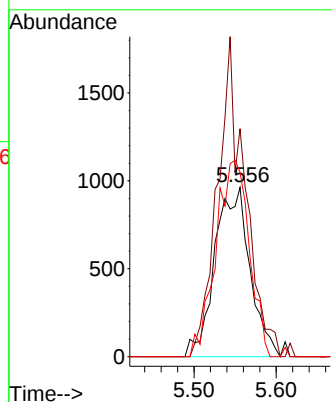
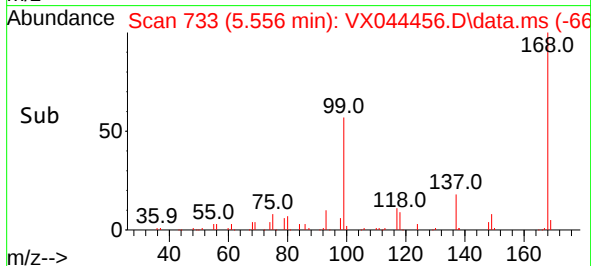


#31
Cyclohexane
Concen: 1.261 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Instrument :
MSVOA_X
ClientSampleId :

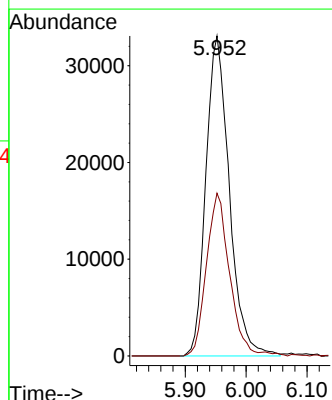
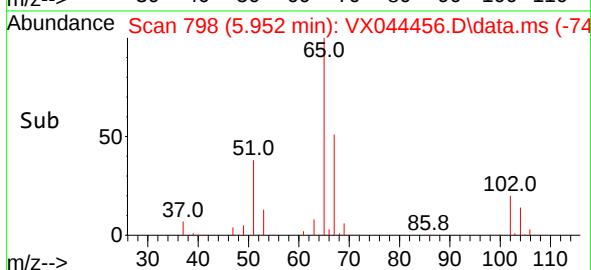
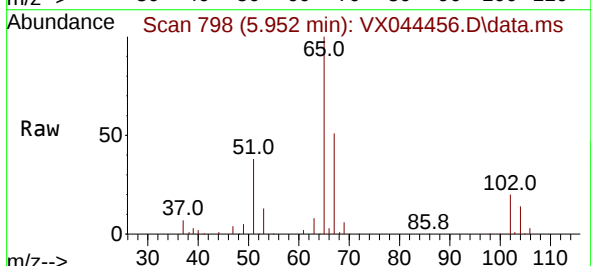


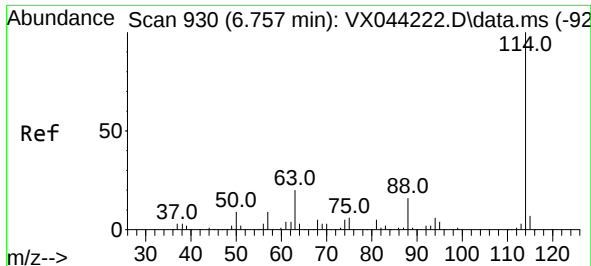
Tgt Ion: 56 Resp: 2850
Ion Ratio Lower Upper
56 100
69 134.7 24.7 37.1#
84 108.8 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 42.128 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 65 Resp: 88252
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.6

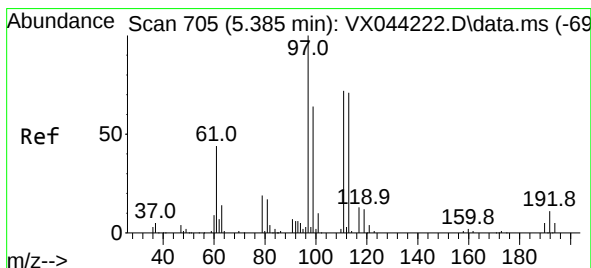
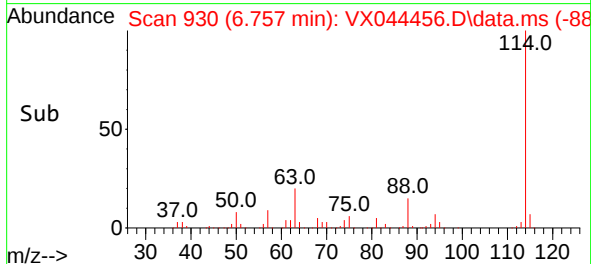
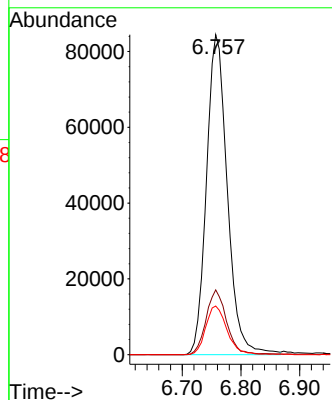
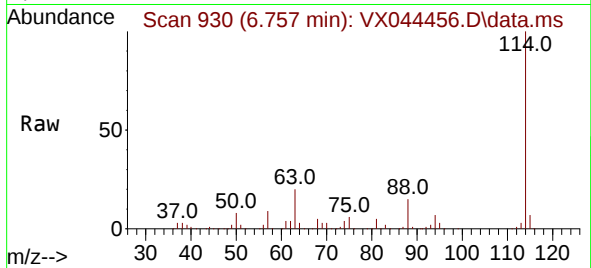




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

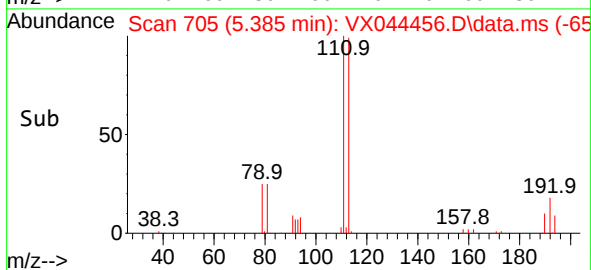
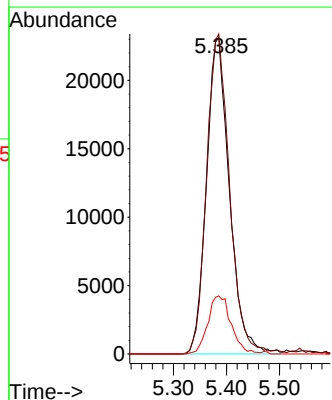
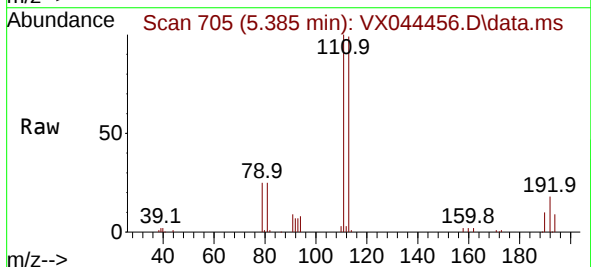
Instrument :
MSVOA_X
ClientSampleId :

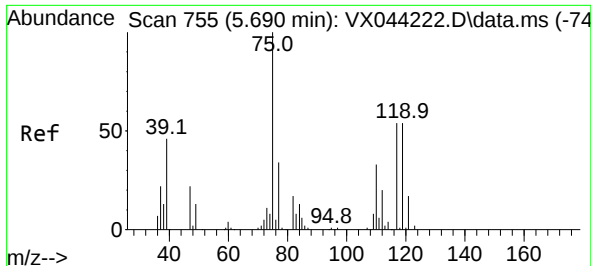
Tgt Ion:114 Resp: 208031
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.6
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.255 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

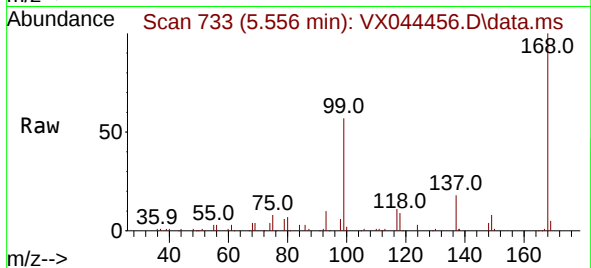
Tgt Ion:113 Resp: 69526
Ion Ratio Lower Upper
113 100
111 101.2 80.4 120.6
192 18.6 13.3 19.9



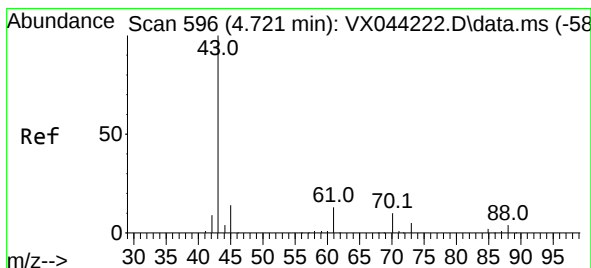
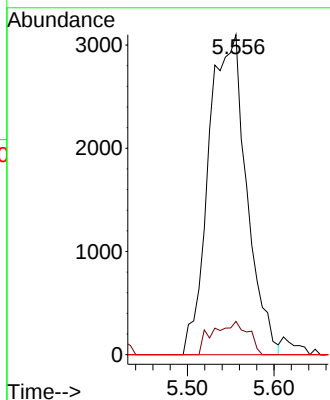
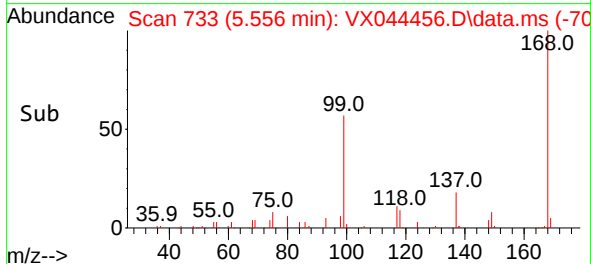


#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Instrument :
MSVOA_X
ClientSampleId :

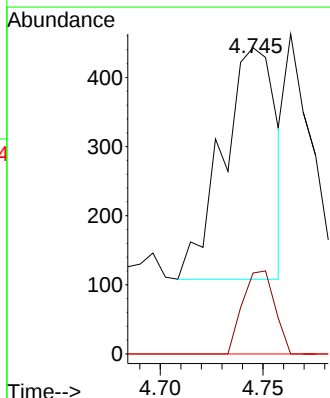
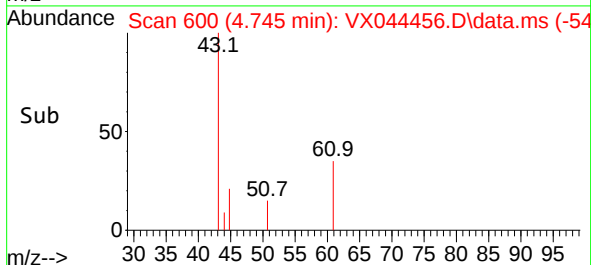
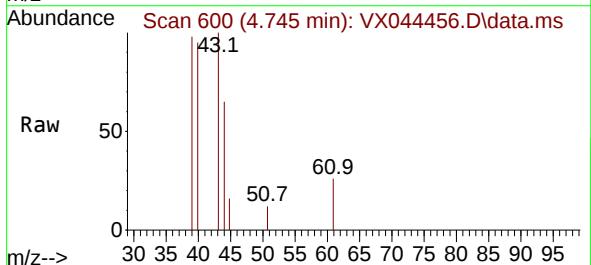


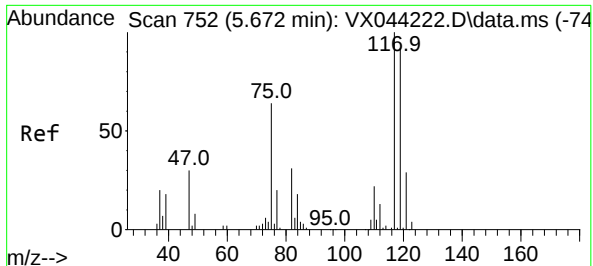
Tgt Ion: 75 Resp: 9409
Ion Ratio Lower Upper
75 100
110 9.6 17.3 51.7#
77 0.0 25.4 38.0#



#37
Ethyl Acetate
Concen: 0.262 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.024 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

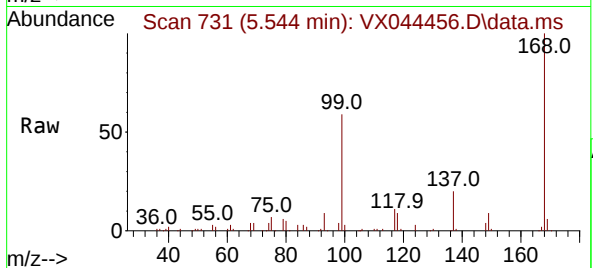
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
61 21.6 9.8 14.8#
70 0.0 7.7 11.5#



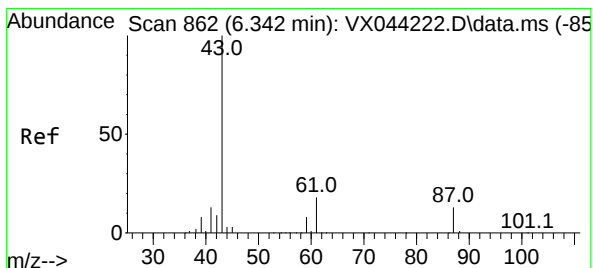
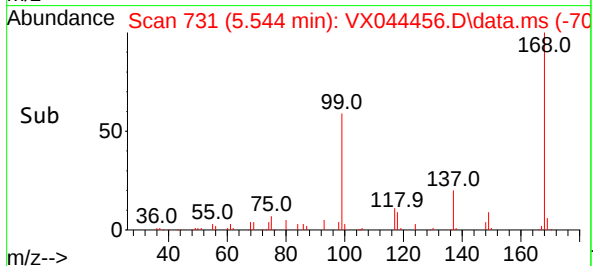
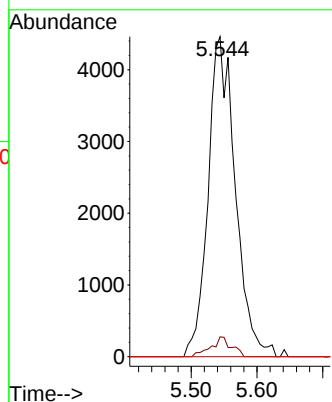


#38
Carbon Tetrachloride
Concen: 6.402 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Instrument :
MSVOA_X
ClientSampleId :

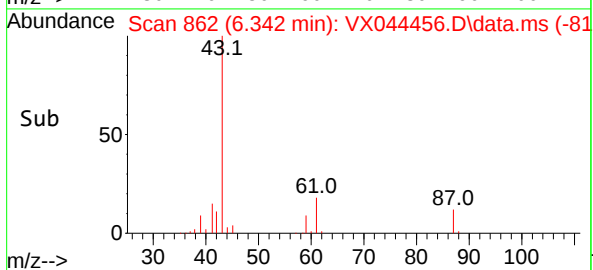
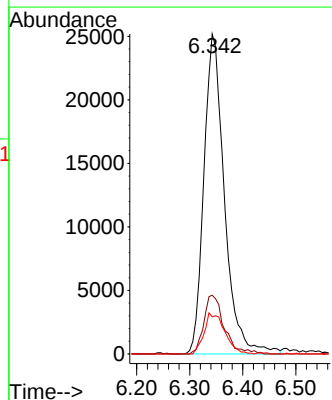
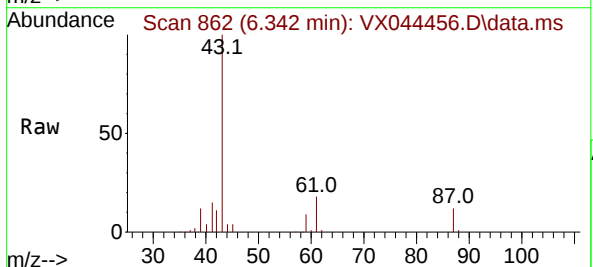


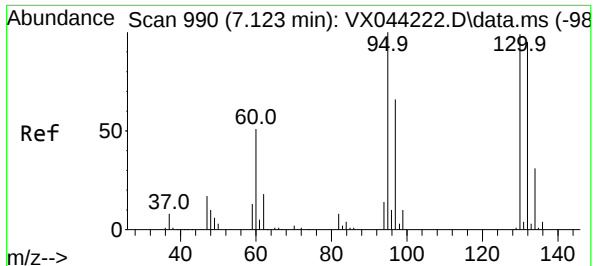
Tgt Ion:117 Resp: 12837
Ion Ratio Lower Upper
117 100
119 6.2 74.2 111.4#
121 0.0 23.0 34.6#



#43
Isopropyl Acetate
Concen: 18.796 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 43 Resp: 67633
Ion Ratio Lower Upper
43 100
61 18.2 14.2 21.2
87 12.8 10.2 15.2

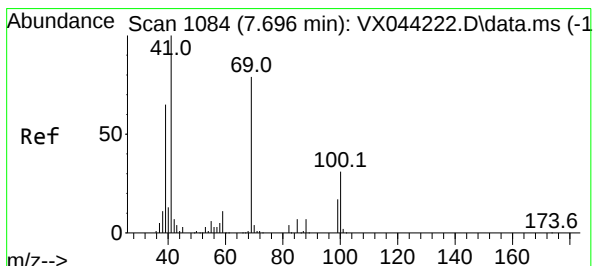
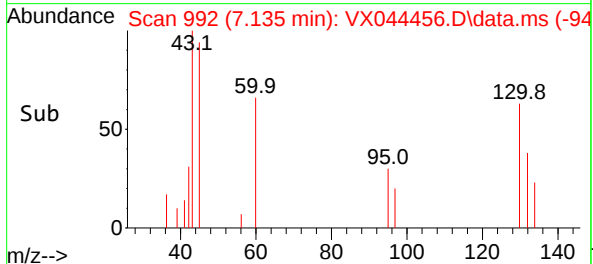
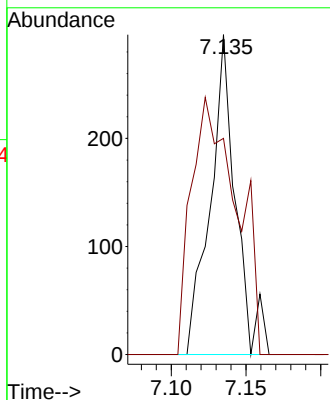
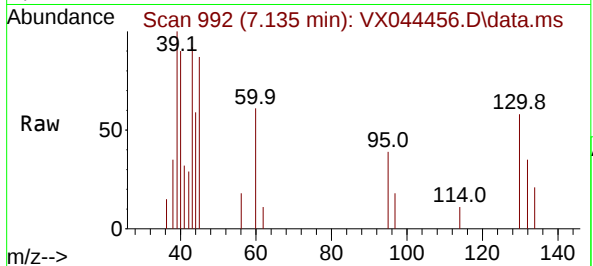




#44
Trichloroethene
Concen: 0.247 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

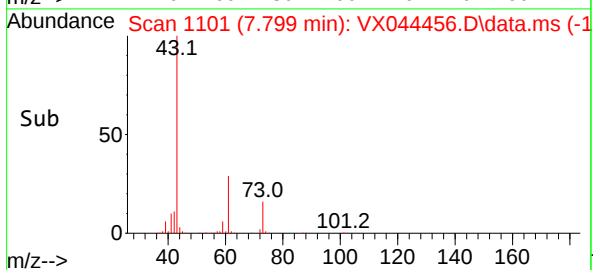
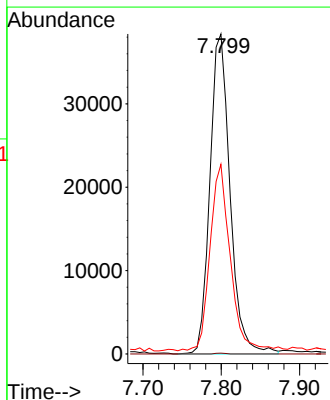
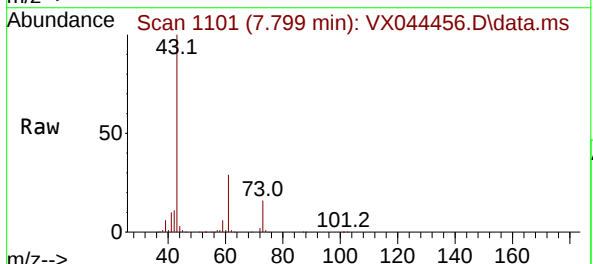
Instrument :
MSVOA_X
ClientSampleId :

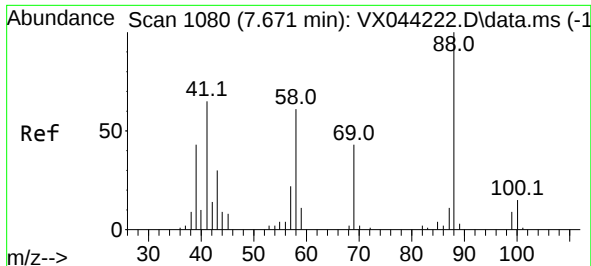
Tgt Ion:130 Resp: 349
Ion Ratio Lower Upper
130 100
95 67.6 0.0 201.4



#48
Methyl methacrylate
Concen: 39.180 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 41 Resp: 68436
Ion Ratio Lower Upper
41 100
69 0.1 62.4 93.6#
39 58.6 53.3 79.9

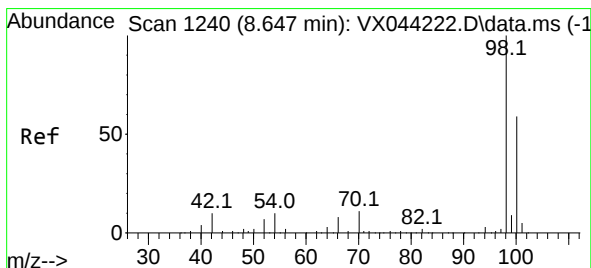
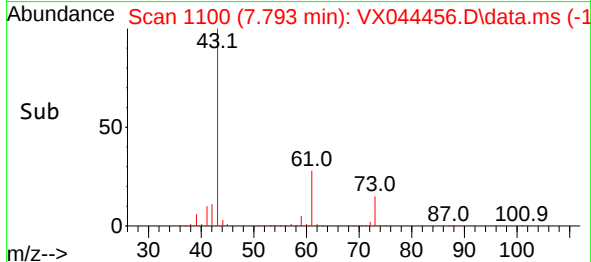
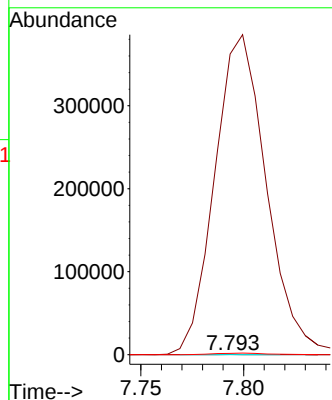
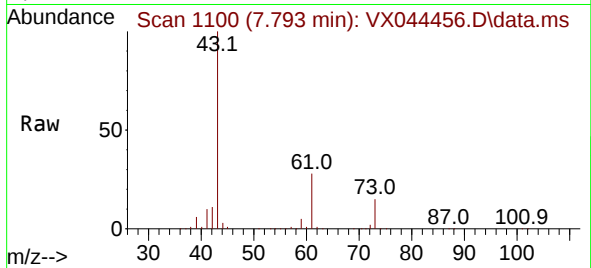




#49
1,4-Dioxane
Concen: 4.213 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

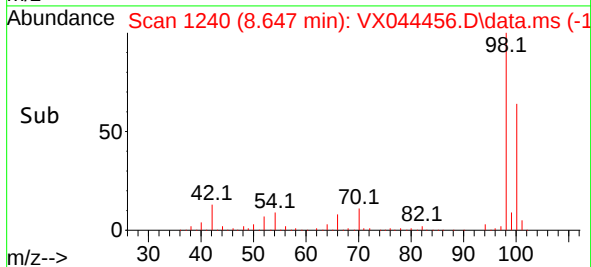
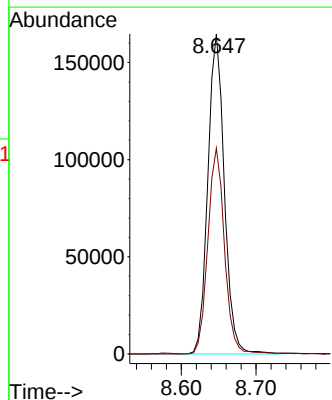
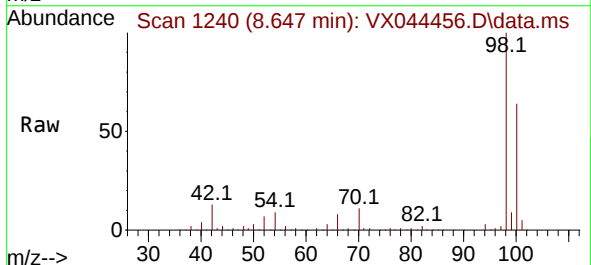
Instrument :
MSVOA_X
ClientSampleId :

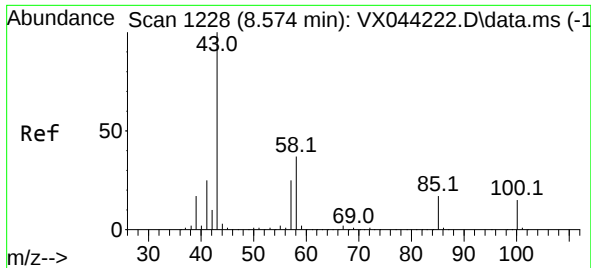
Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 565306.6 27.1 40.7#
58 2867.2 41.0 61.4#



#50
Toluene-d8
Concen: 51.883 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 98 Resp: 252195
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3

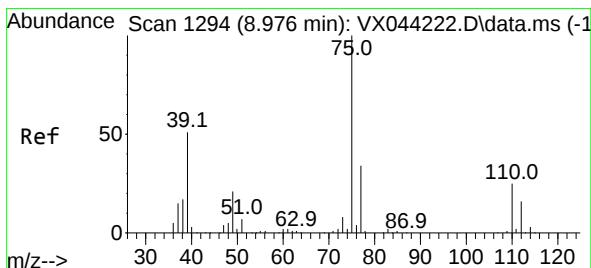
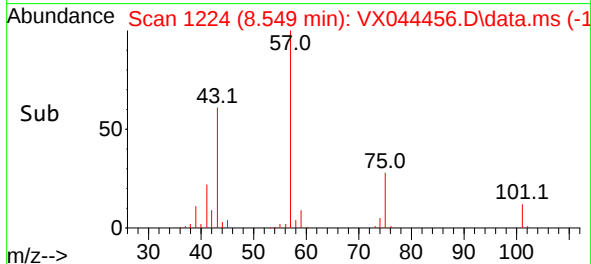
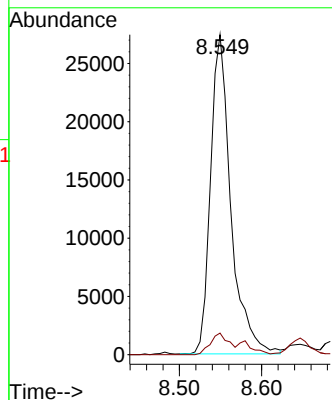
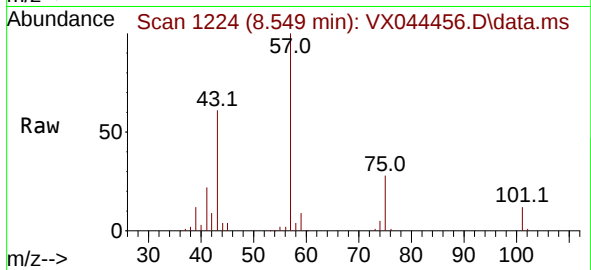




#51
4-Methyl-2-Pentanone
Concen: 20.346 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

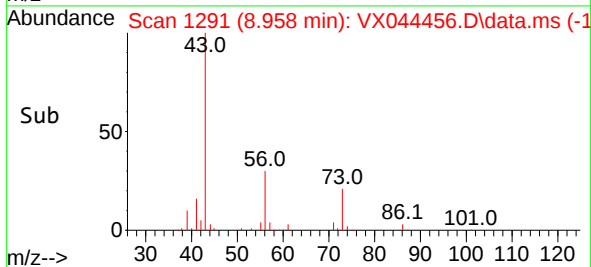
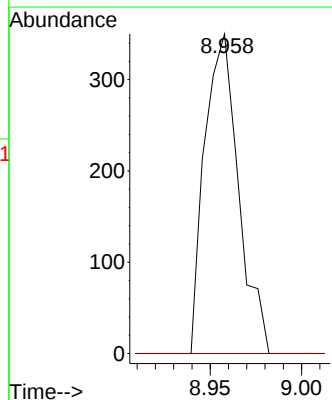
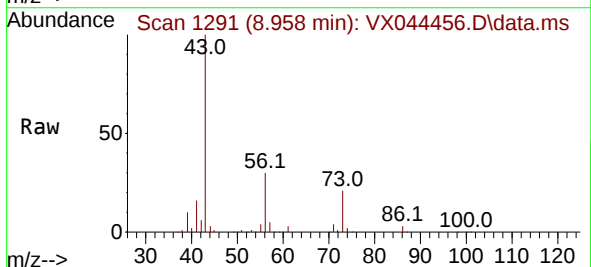
Instrument :
MSVOA_X
ClientSampleId :

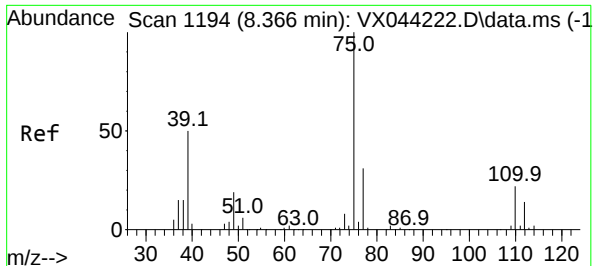
Tgt Ion: 43 Resp: 47073
Ion Ratio Lower Upper
43 100
58 6.2 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 1.220 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 75 Resp: 452
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#

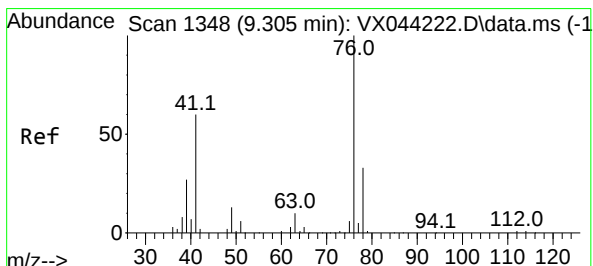
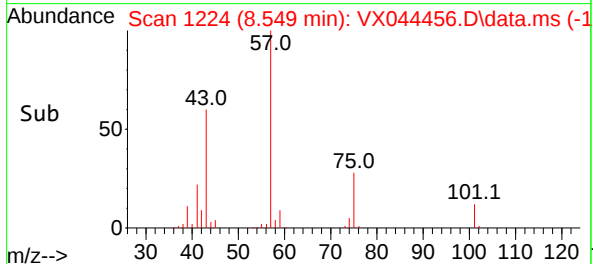
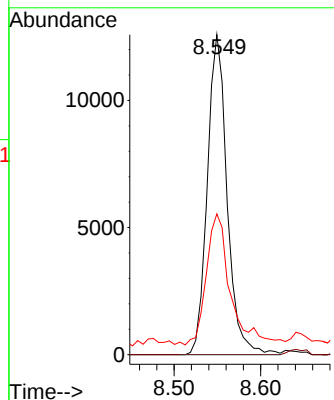
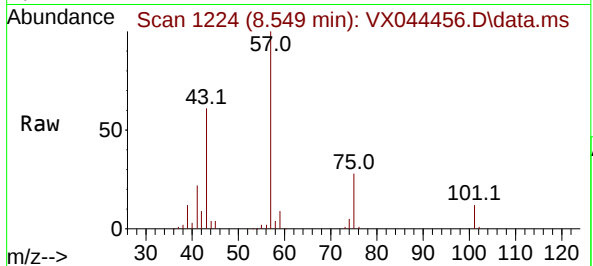




#54
 cis-1,3-Dichloropropene
 Concen: 9.480 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX044456.D
 Acq: 20 Dec 2024 16:43

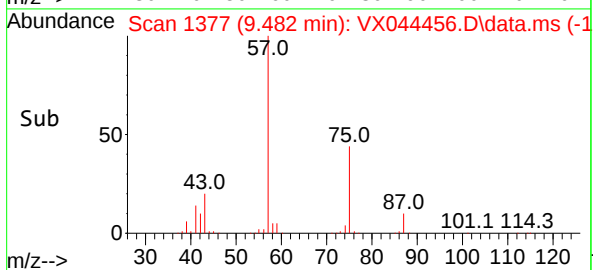
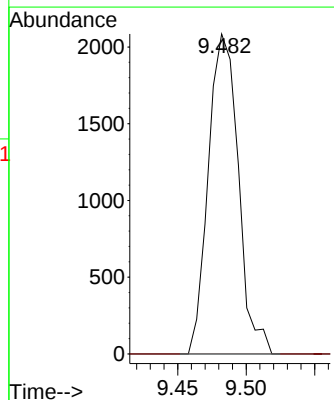
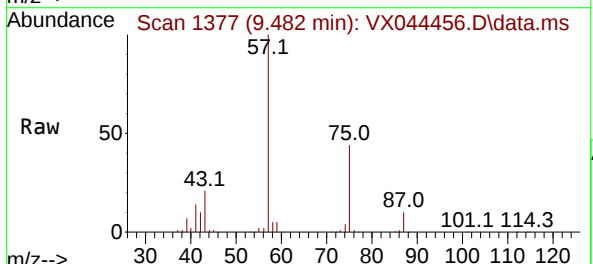
Instrument :
 MSVOA_X
 ClientSampleId :

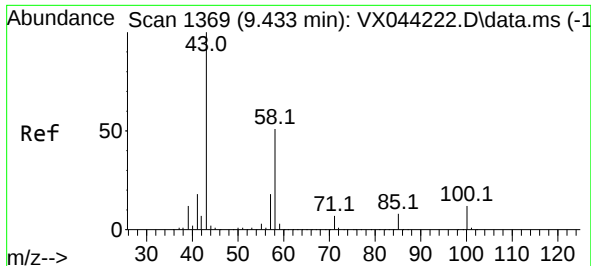
Tgt Ion: 75 Resp: 19979
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 40.0 40.3 60.5#



#57
 1,3-Dichloropropane
 Concen: 1.291 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX044456.D
 Acq: 20 Dec 2024 16:43

Tgt Ion: 76 Resp: 3171
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#

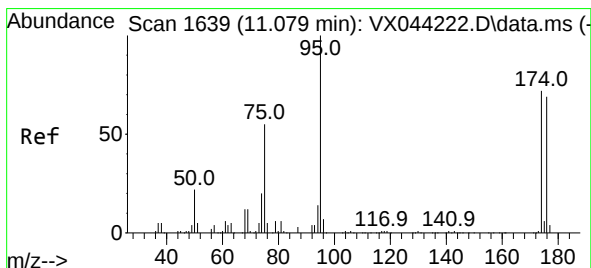
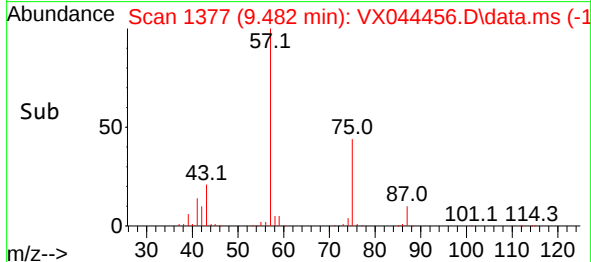
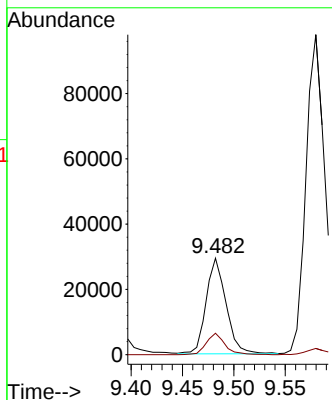
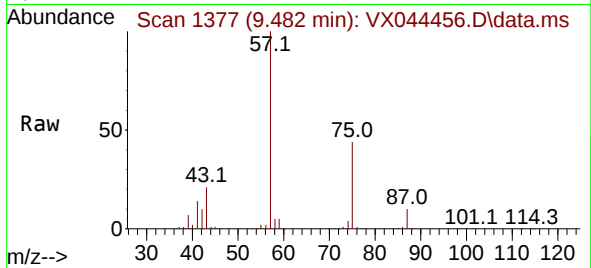




#59
2-Hexanone
Concen: 23.555 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

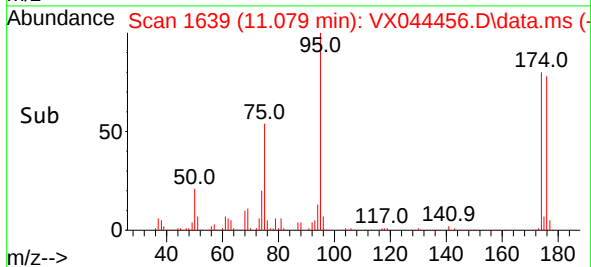
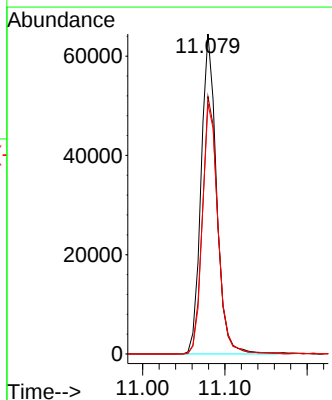
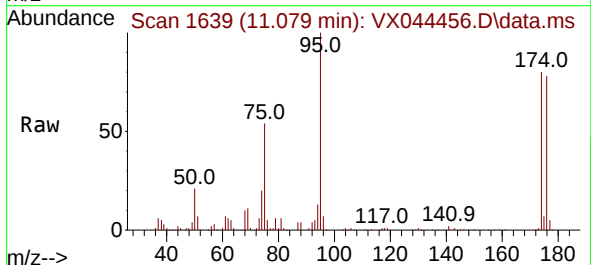
Instrument :
MSVOA_X
ClientSampleId :

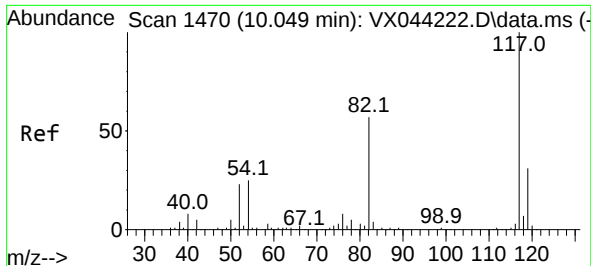
Tgt Ion: 43 Resp: 39447
Ion Ratio Lower Upper
43 100
58 21.0 25.7 77.0#



#62
4-Bromofluorobenzene
Concen: 49.534 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion: 95 Resp: 84133
Ion Ratio Lower Upper
95 100
174 80.8 0.0 145.8
176 78.9 0.0 137.8

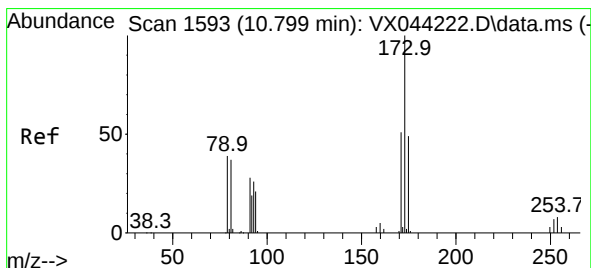
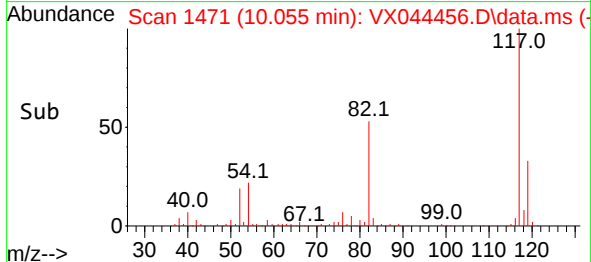
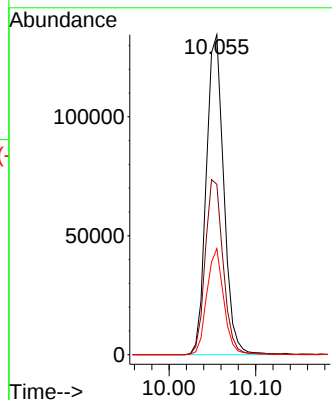
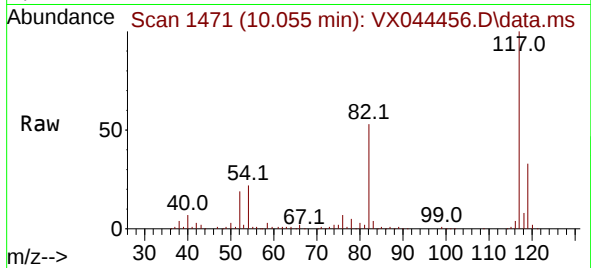




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

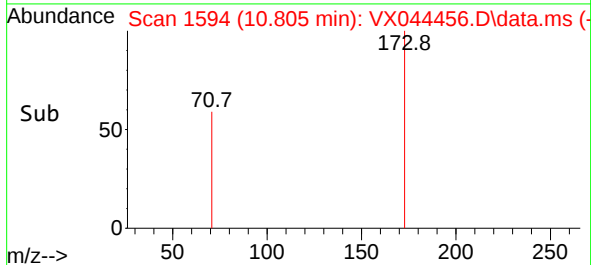
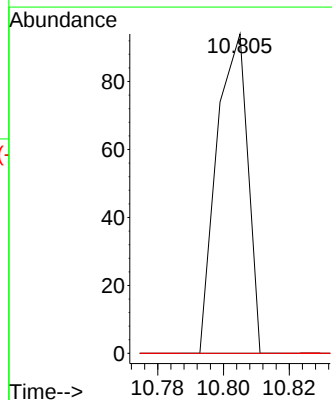
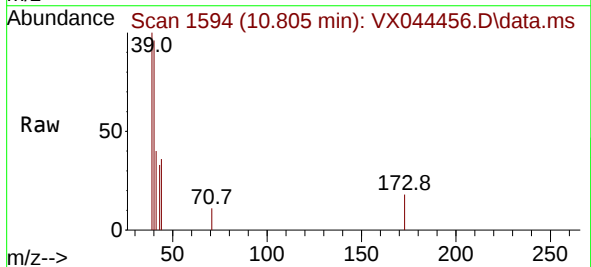
Instrument :
MSVOA_X
ClientSampleId :

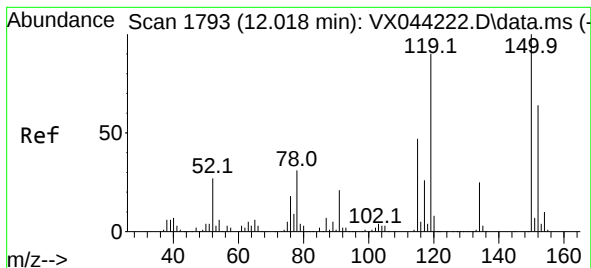
Tgt Ion:117 Resp: 188827
Ion Ratio Lower Upper
117 100
82 53.2 45.8 68.8
119 33.1 25.0 37.4



#71
Bromoform
Concen: 1.303 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044456.D
Acq: 20 Dec 2024 16:43

Tgt Ion:173 Resp: 61
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044456.D

Acq: 20 Dec 2024 16:43

Instrument :

MSVOA_X

ClientSampleId :

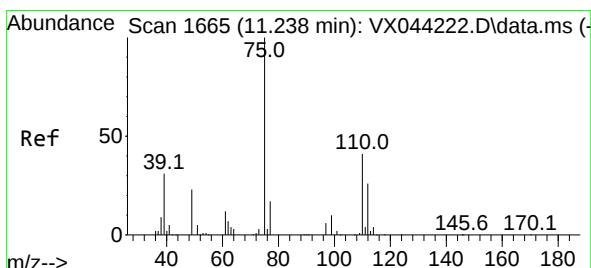
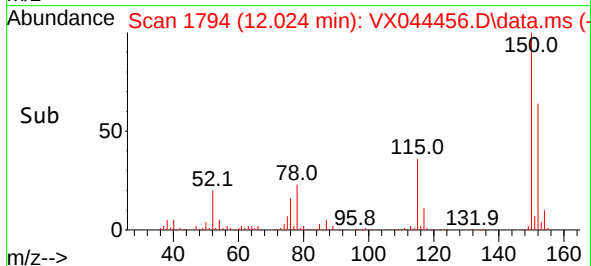
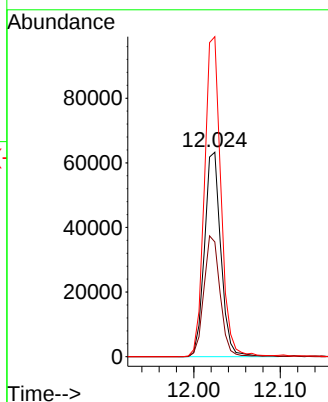
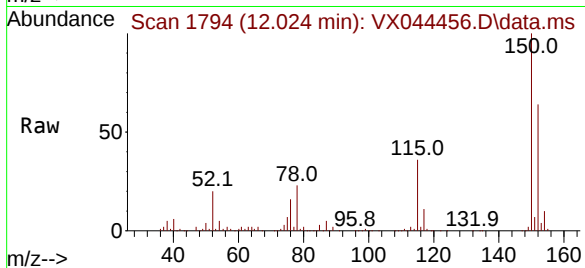
Tgt Ion:152 Resp: 83047

Ion Ratio Lower Upper

152 100

115 58.8 44.5 133.3

150 157.1 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 24.459 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044456.D

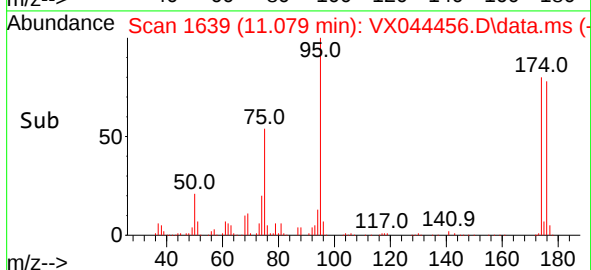
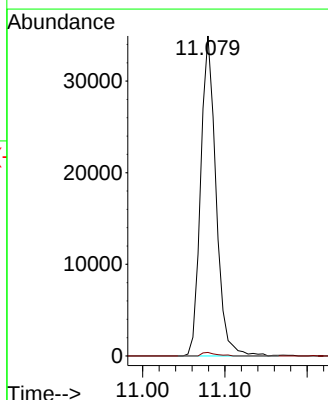
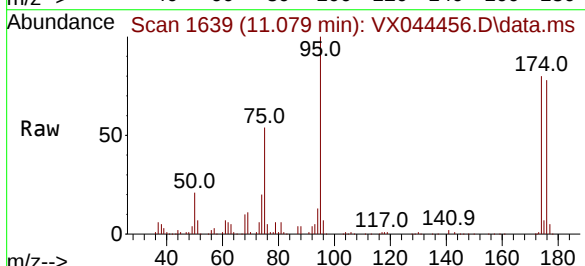
Acq: 20 Dec 2024 16:43

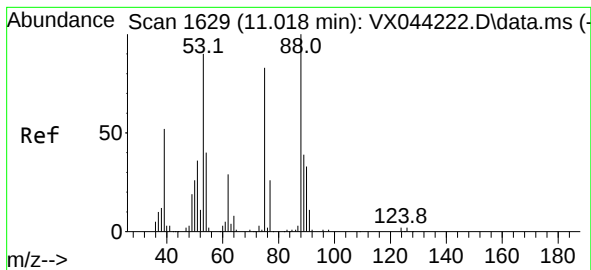
Tgt Ion: 75 Resp: 45353

Ion Ratio Lower Upper

75 100

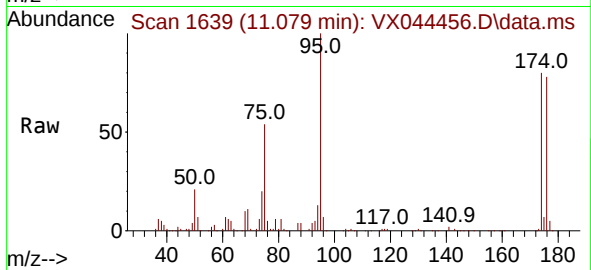
77 1.0 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.846 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX044456.D
 Acq: 20 Dec 2024 16:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 45353
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.1 37.3 55.9#

