

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043465.D
 Acq On : 21 Oct 2024 19:17
 Operator : JC/MD
 Sample : PB164196ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 22 02:44:26 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

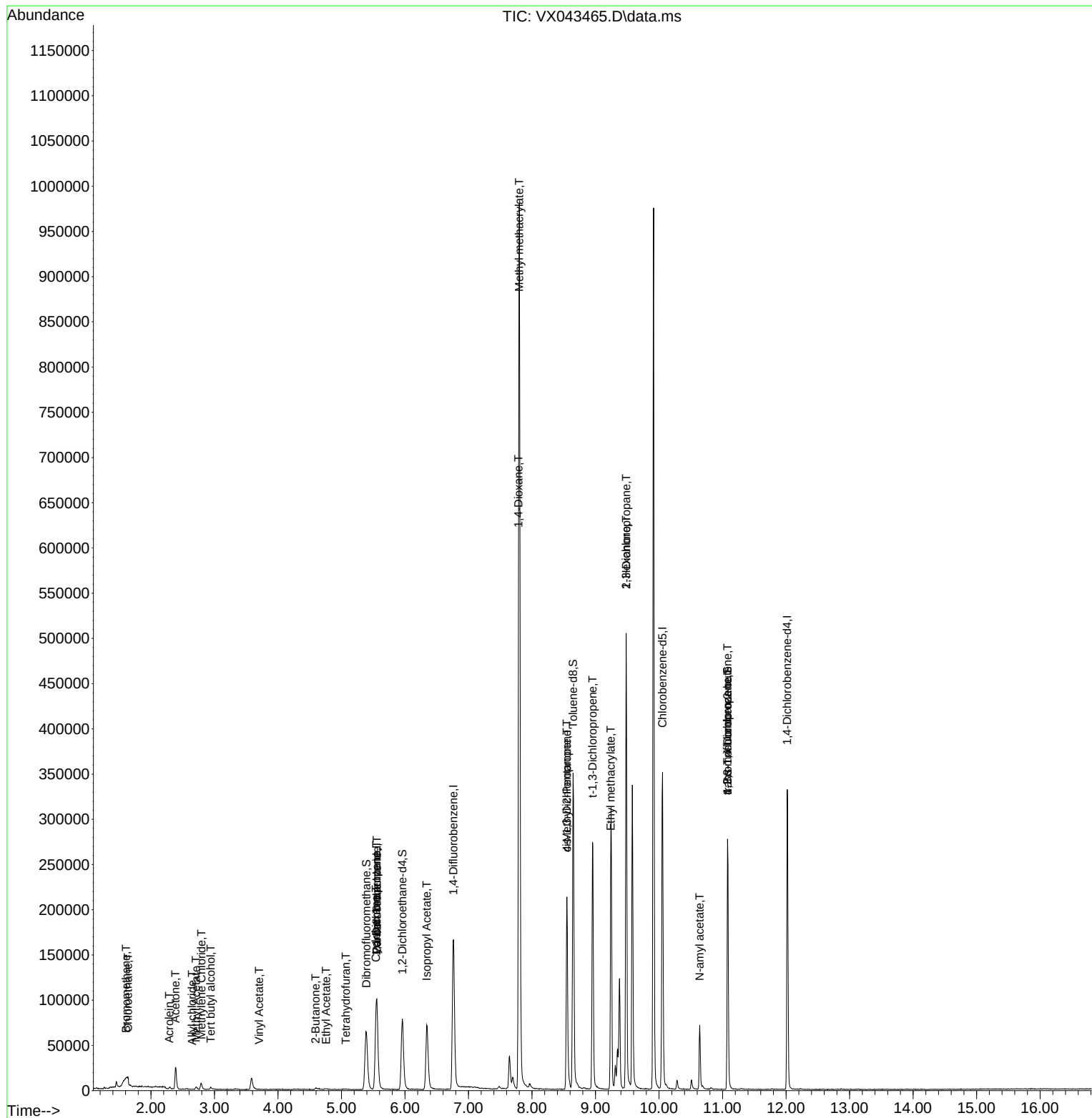
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	91407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78694	52.715	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.440%	
35) Dibromofluoromethane	5.391	113	57980	49.254	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.500%	
50) Toluene-d8	8.647	98	205923	50.479	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	11.079	95	76584	51.676	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.360%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	258	0.576	ug/l #	16
6) Chloroethane	1.636	64	88	0.215	ug/l #	42
11) Tert butyl alcohol	2.940	59	1137	4.002	ug/l #	71
13) Acrolein	2.288	56	67	0.250	ug/l #	1
14) Allyl chloride	2.648	41	369	0.221	ug/l #	65
16) Acetone	2.386	43	27340	43.855	ug/l	99
18) Methyl Acetate	2.709	43	3664	2.343	ug/l	98
20) Methylene Chloride	2.794	84	3386	2.946	ug/l	96
23) Vinyl Acetate	3.702	43	93	6.364	ug/l #	71
25) 2-Butanone	4.593	43	2417	2.828	ug/l #	85
29) Tetrahydrofuran	5.068	42	667	1.225	ug/l #	36
31) Cyclohexane	5.544	56	2310	1.434	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8022	5.394	ug/l #	51
37) Ethyl Acetate	4.757	43	1706	0.955	ug/l #	77
38) Carbon Tetrachloride	5.556	117	10954	6.222	ug/l #	15
43) Isopropyl Acetate	6.342	43	103066	34.941	ug/l	99
48) Methyl methacrylate	7.799	41	87898	60.732	ug/l #	45
49) 1,4-Dioxane	7.787	88	39	1.386	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77825	43.441	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	670	0.387	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34285	18.454	ug/l #	59
56) Ethyl methacrylate	9.238	69	716	0.390	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4316	2.256	ug/l #	43
59) 2-Hexanone	9.482	43	63224	46.668	ug/l #	52
74) N-amyl acetate	10.640	43	17946	7.134	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	42133	27.870	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	42133	72.229	ug/l #	8

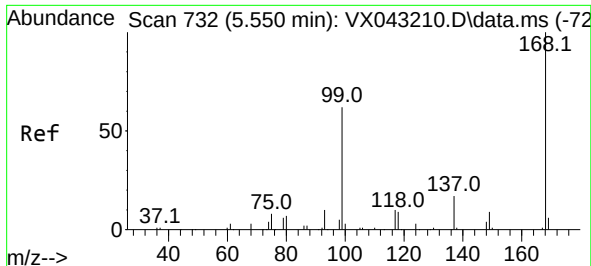
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
Data File : VX043465.D
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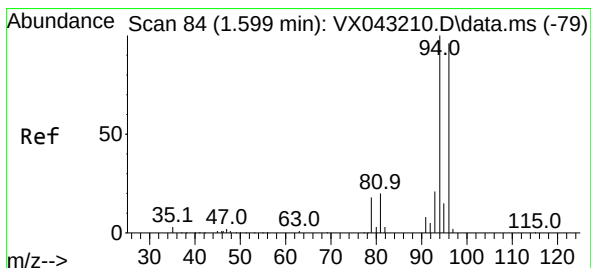
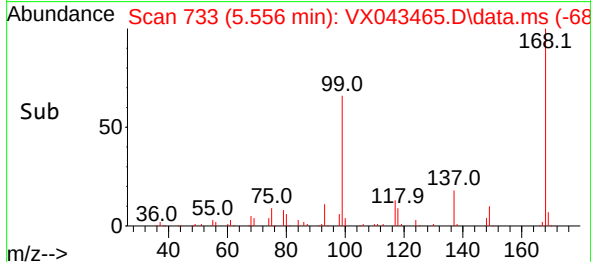
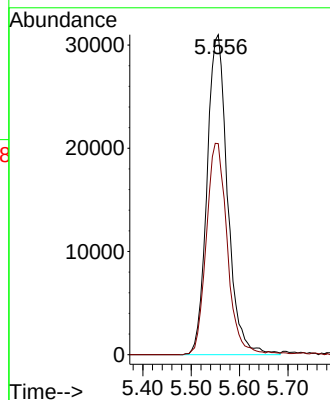
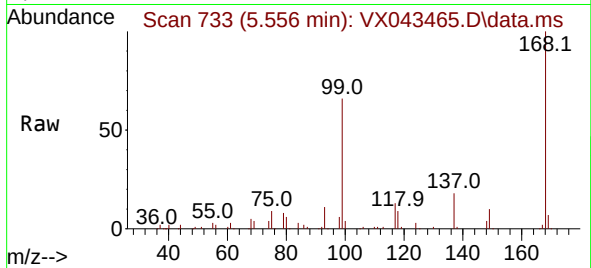




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

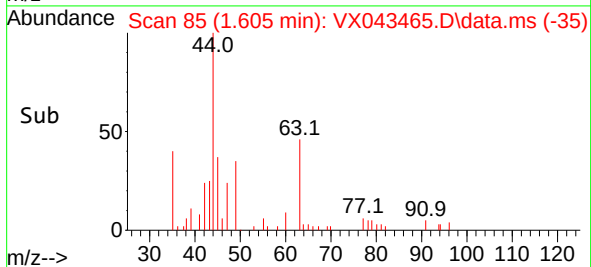
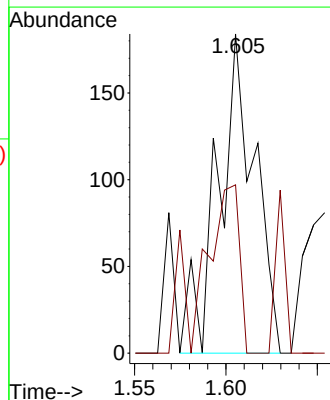
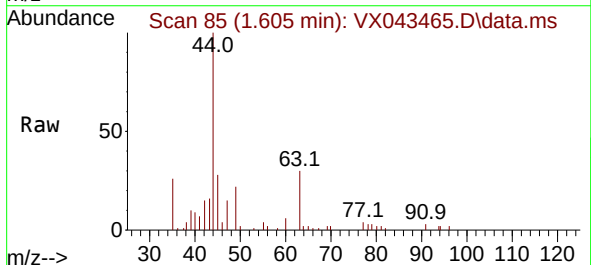
Instrument :
MSVOA_X
ClientSampleId :

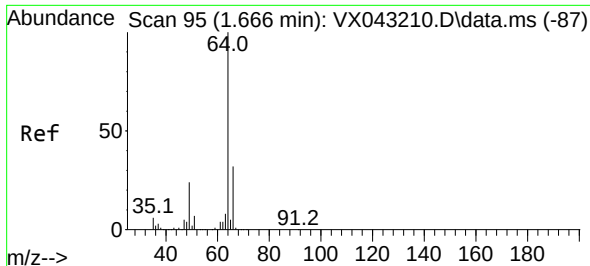
Tgt Ion:168 Resp: 91407
Ion Ratio Lower Upper
168 100
99 65.9 49.7 74.5



#5
Bromomethane
Concen: 0.576 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

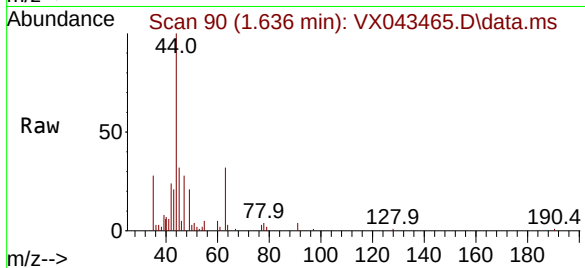
Tgt Ion: 94 Resp: 258
Ion Ratio Lower Upper
94 100
96 14.1 76.6 115.0#



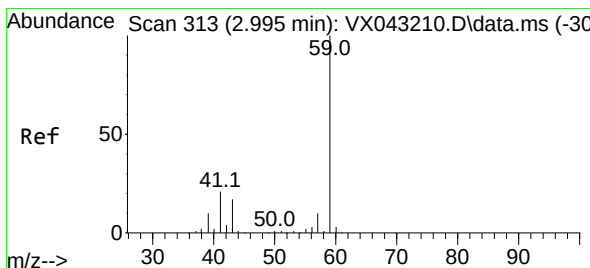
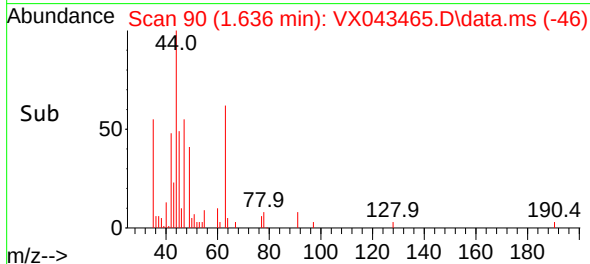
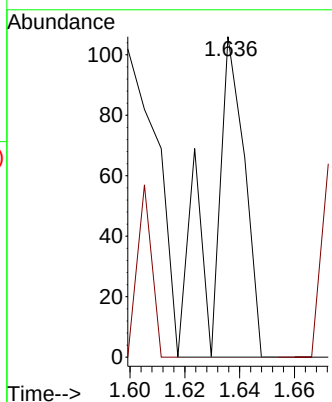


#6
Chloroethane
Concen: 0.215 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.031 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :

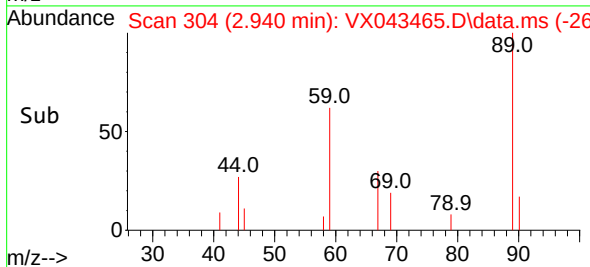
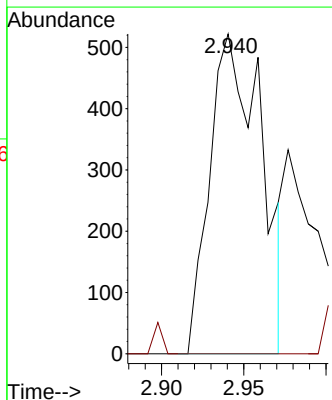
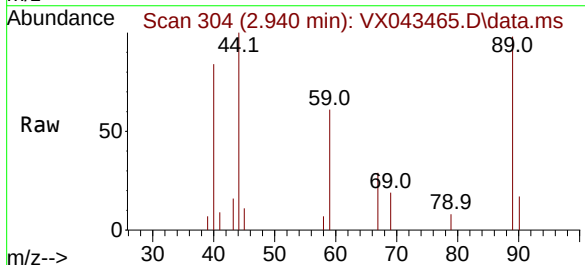


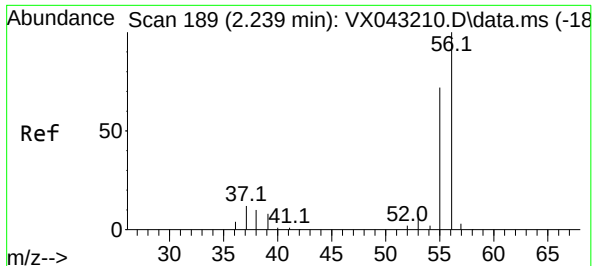
Tgt Ion: 64 Resp: 88
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 4.002 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion: 59 Resp: 1137
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#13

Acrolein

Concen: 0.250 ug/l

RT: 2.288 min Scan# 197

Delta R.T. 0.049 min

Lab File: VX043465.D

Acq: 21 Oct 2024 19:17

Instrument :

MSVOA_X

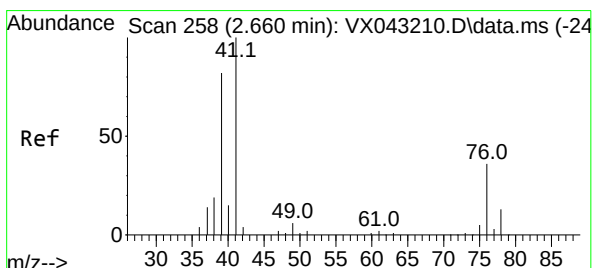
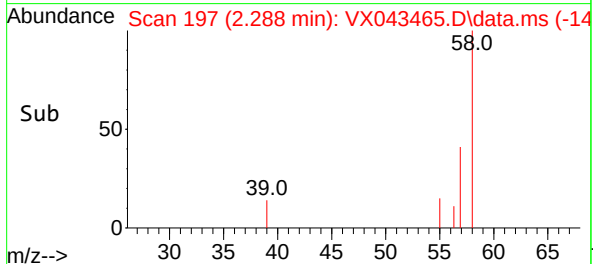
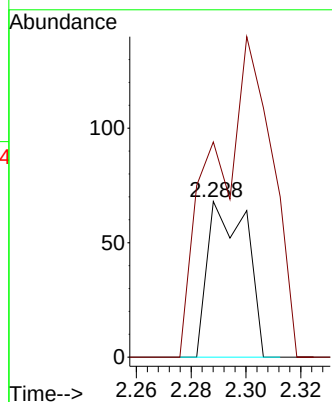
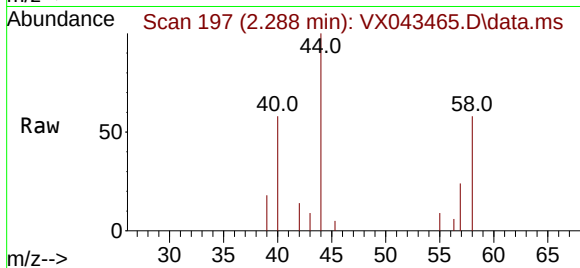
ClientSampleId :

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 304.5 57.4 86.0#



#14

Allyl chloride

Concen: 0.221 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.012 min

Lab File: VX043465.D

Acq: 21 Oct 2024 19:17

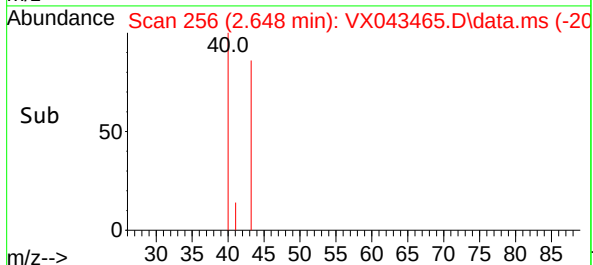
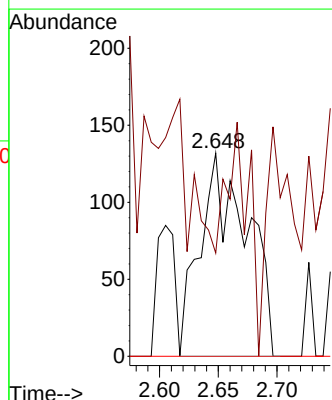
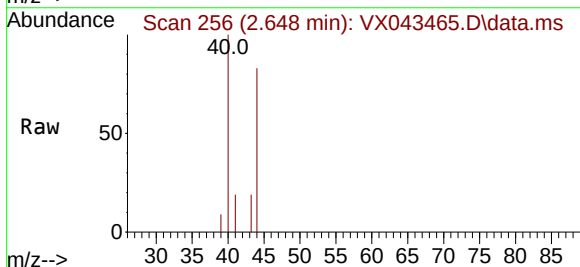
Tgt Ion: 41 Resp: 369

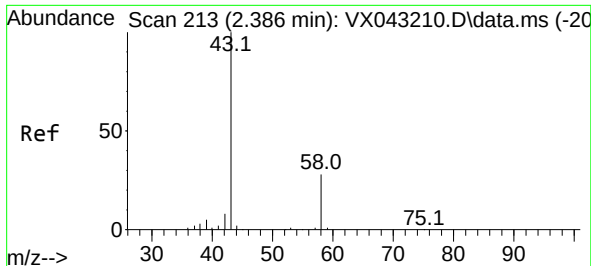
Ion Ratio Lower Upper

41 100

39 57.7 61.7 92.5#

76 0.0 28.6 43.0#





#16

Acetone

Concen: 43.855 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043465.D

Acq: 21 Oct 2024 19:17

Instrument :

MSVOA_X

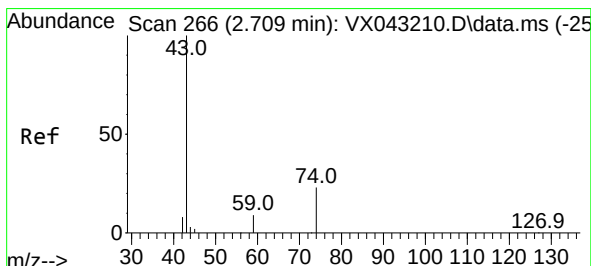
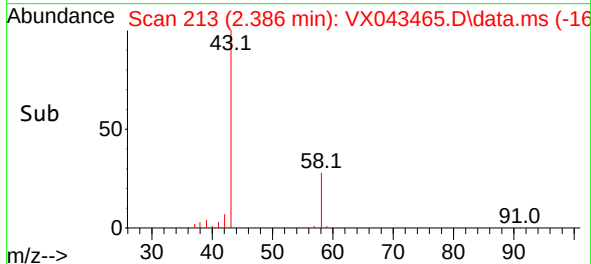
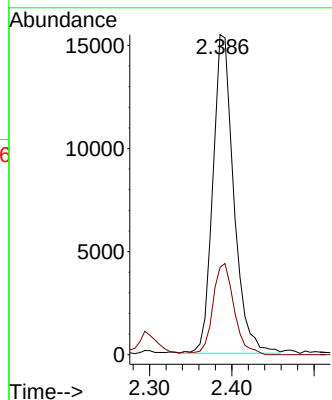
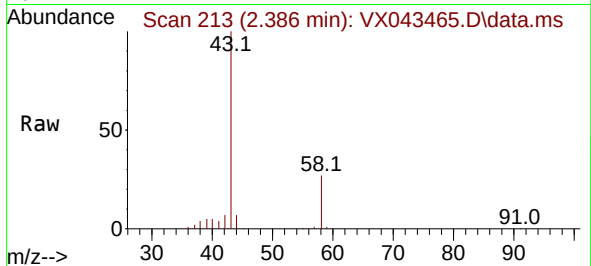
ClientSampleId :

Tgt Ion: 43 Resp: 27340

Ion Ratio Lower Upper

43 100

58 27.5 22.6 33.8



#18

Methyl Acetate

Concen: 2.343 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX043465.D

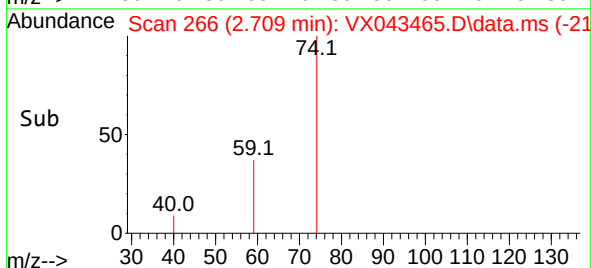
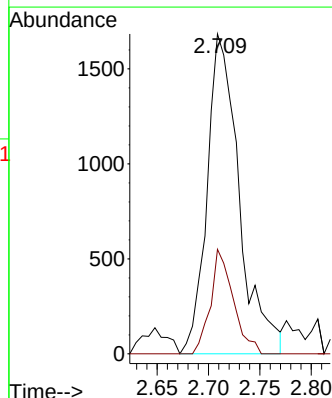
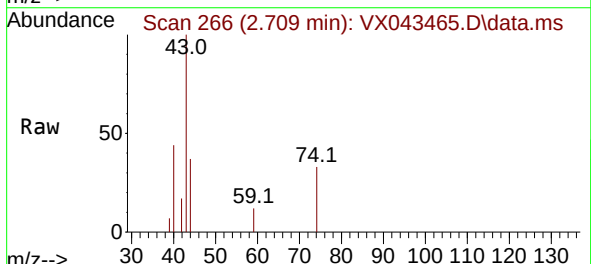
Acq: 21 Oct 2024 19:17

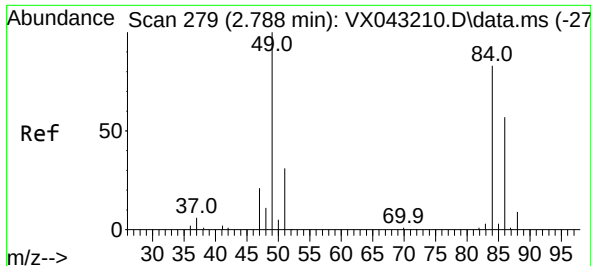
Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

43 100

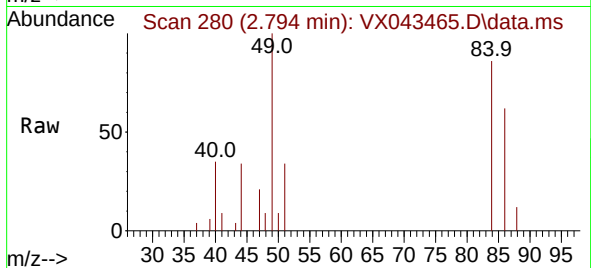
74 23.1 19.1 28.7



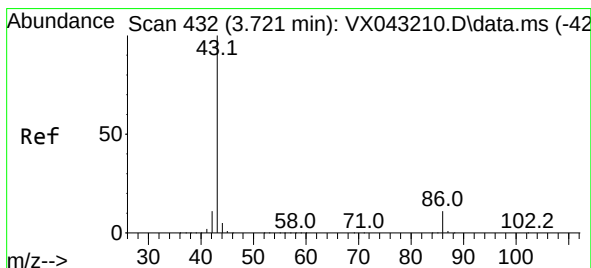
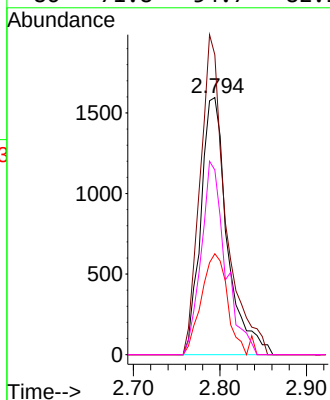
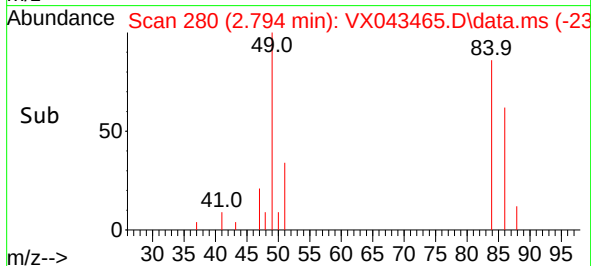


#20
Methylene Chloride
Concen: 2.946 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :

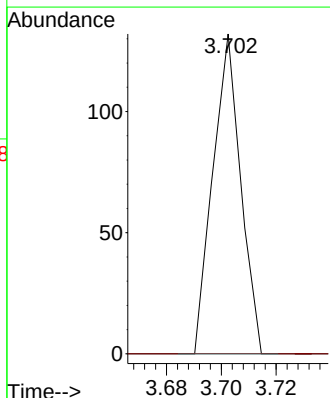
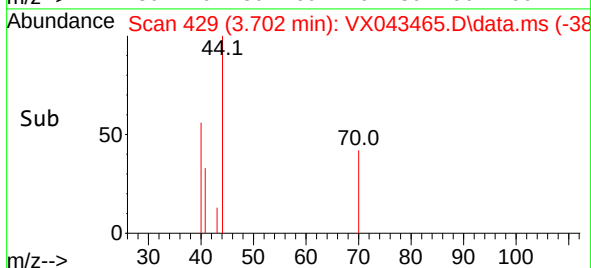
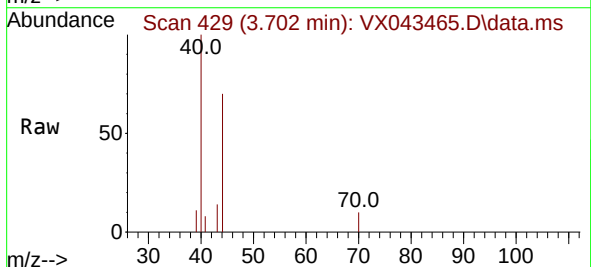


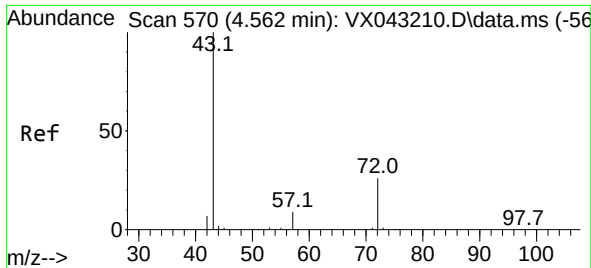
Tgt Ion:	84	Resp:	3386
Ion	Ratio	Lower	Upper
84	100		
49	116.6	96.7	145.1
51	39.2	30.4	45.6
86	71.8	54.7	82.1



#23
Vinyl Acetate
Concen: 6.364 ug/l
RT: 3.702 min Scan# 429
Delta R.T. -0.019 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion:	43	Resp:	93
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

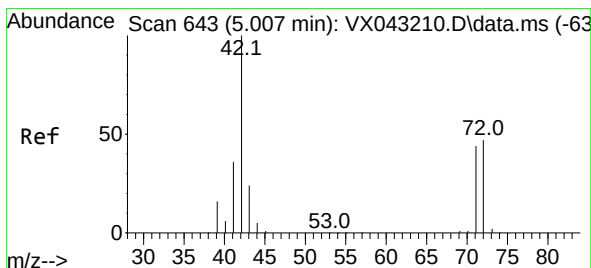
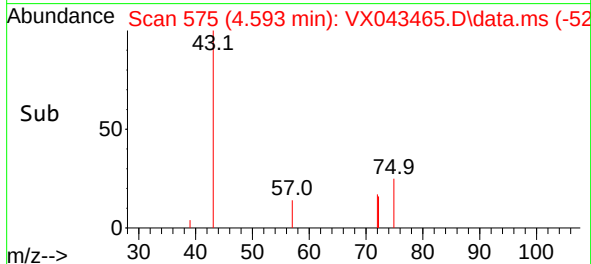
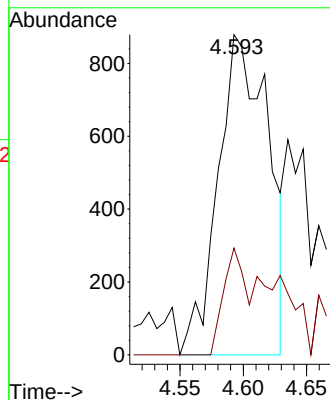
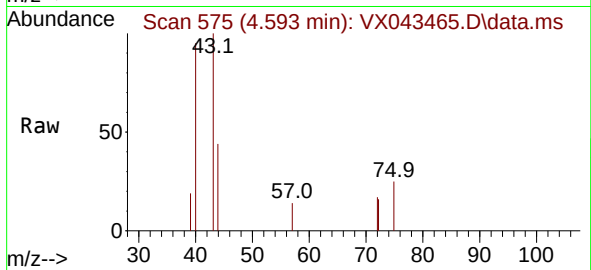




#25
2-Butanone
Concen: 2.828 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

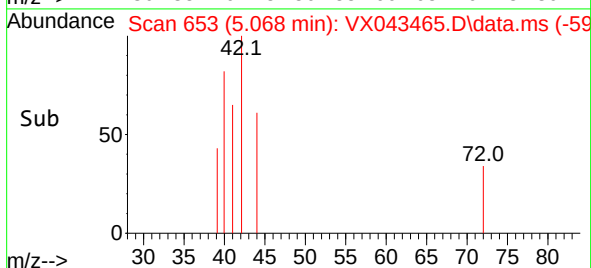
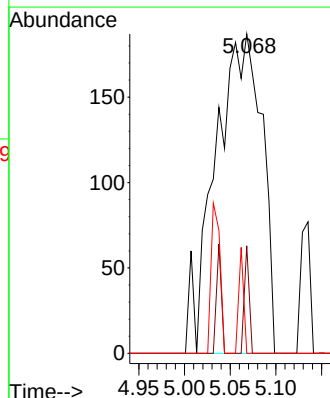
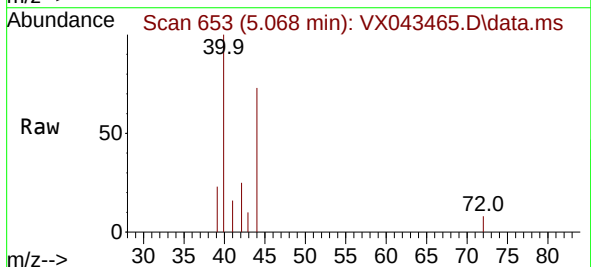
Instrument :
MSVOA_X
ClientSampleId :

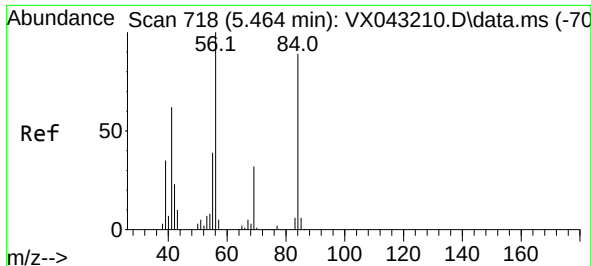
Tgt Ion: 43 Resp: 2417
Ion Ratio Lower Upper
43 100
72 33.3 20.6 31.0#



#29
Tetrahydrofuran
Concen: 1.225 ug/l
RT: 5.068 min Scan# 653
Delta R.T. 0.061 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

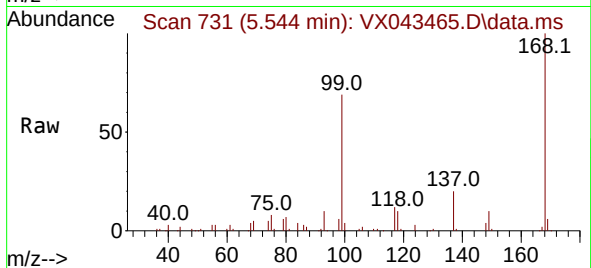
Tgt Ion: 42 Resp: 667
Ion Ratio Lower Upper
42 100
72 3.4 37.7 56.5#
71 3.4 34.6 52.0#



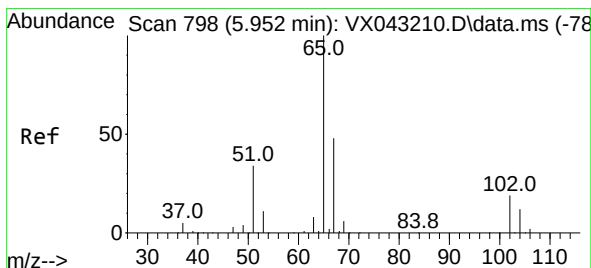
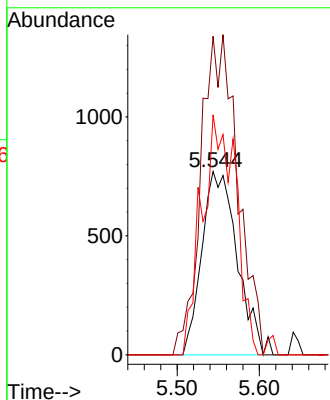
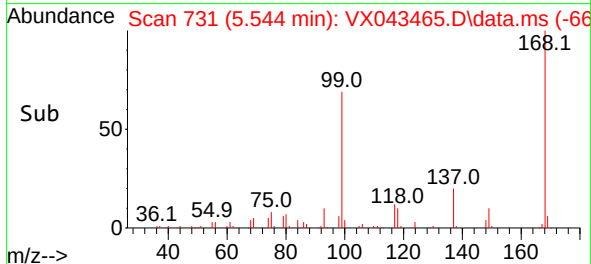


#31
Cyclohexane
Concen: 1.434 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :

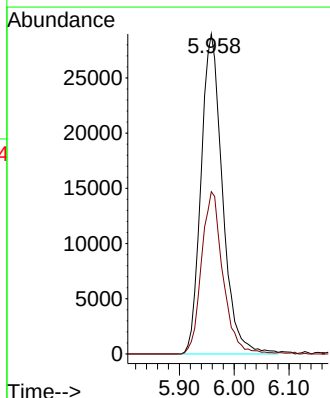
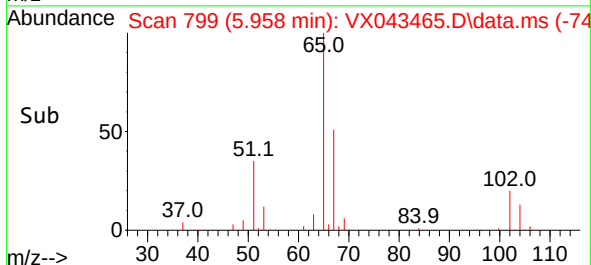
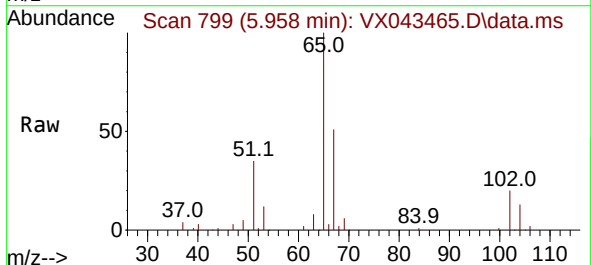


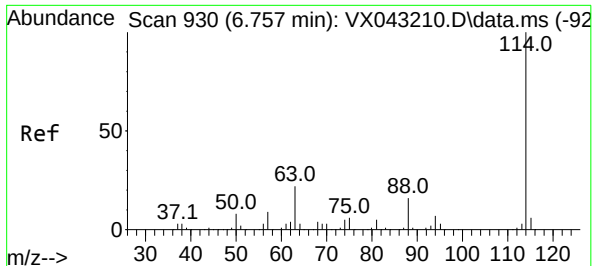
Tgt Ion: 56 Resp: 2310
Ion Ratio Lower Upper
56 100
69 173.7 25.8 38.6#
84 130.9 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 52.715 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

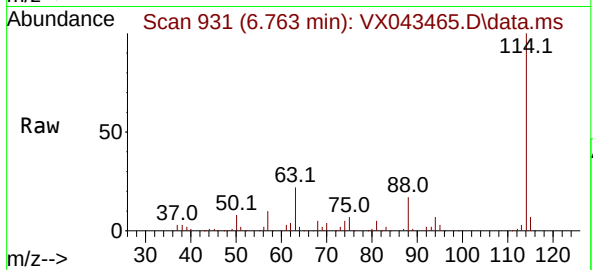
Tgt Ion: 65 Resp: 78694
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.0



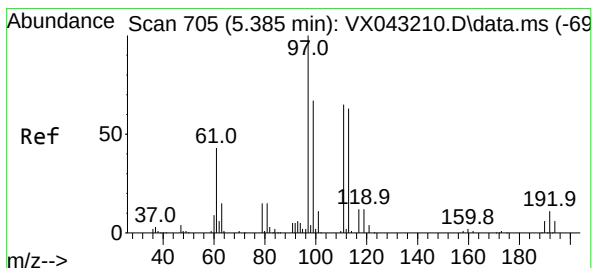
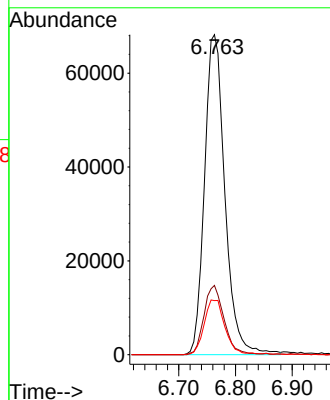
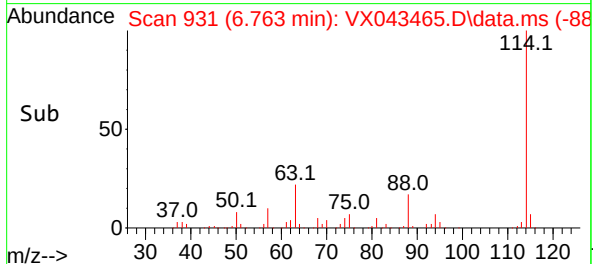


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :

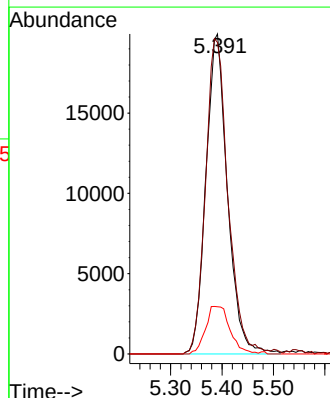
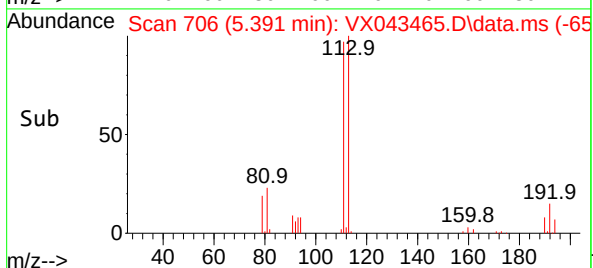
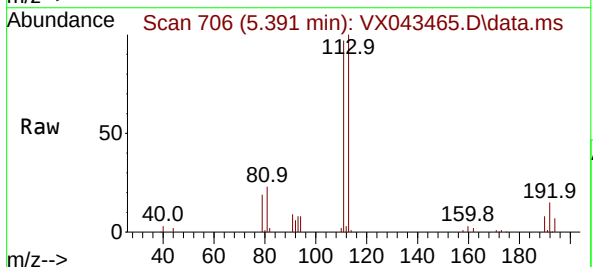


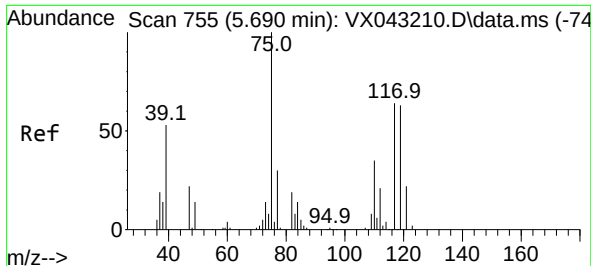
Tgt Ion:114 Resp: 170691
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.0
88 16.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.254 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion:113 Resp: 57980
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.0
192 16.8 14.1 21.1

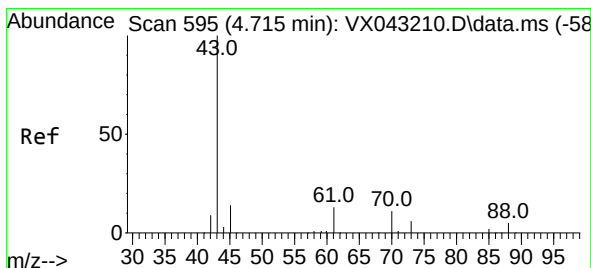
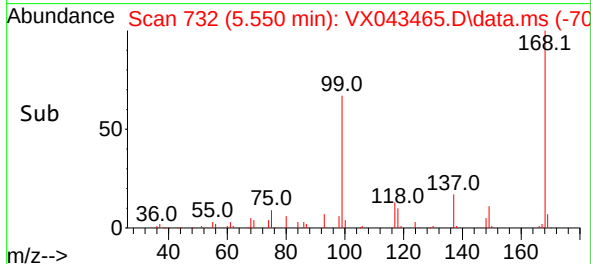
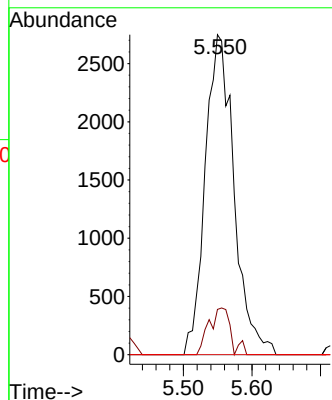
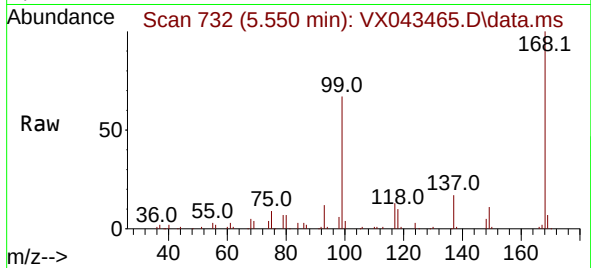




#36
1,1-Dichloropropene
Concen: 5.394 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

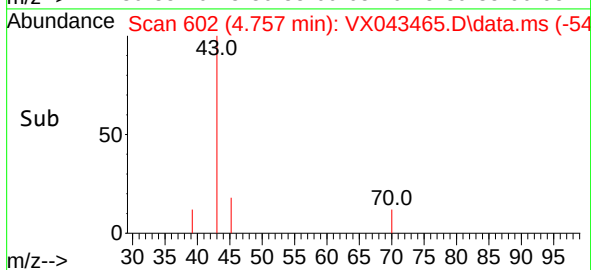
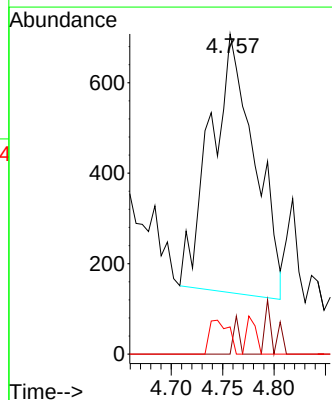
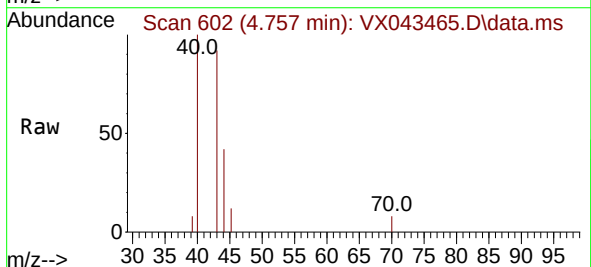
Instrument :
MSVOA_X
ClientSampleId :

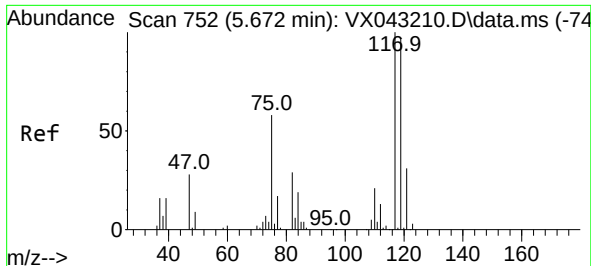
Tgt Ion: 75 Resp: 8022
Ion Ratio Lower Upper
75 100
110 11.2 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.955 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.043 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

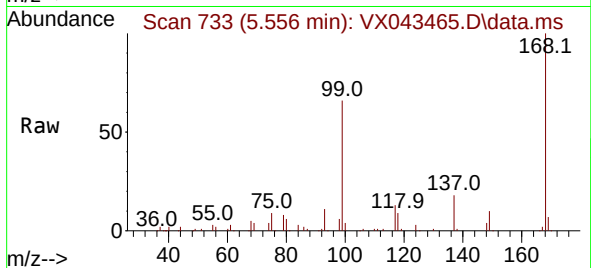
Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
61 1.8 11.0 16.4#
70 5.7 8.9 13.3#



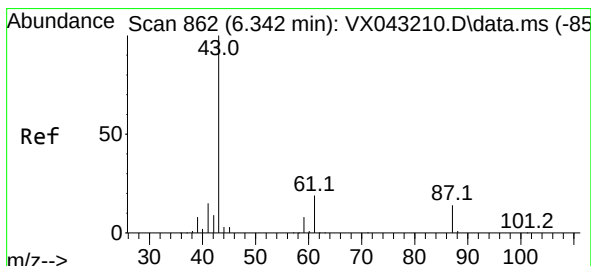
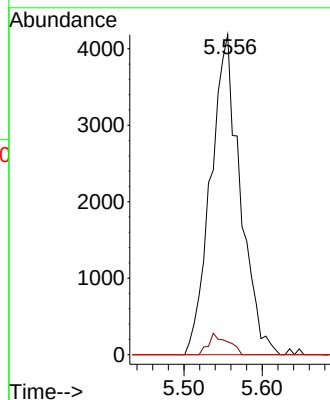
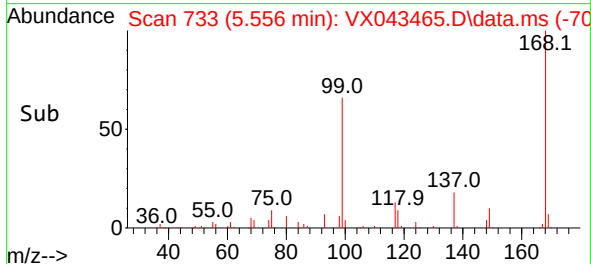


#38
Carbon Tetrachloride
Concen: 6.222 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :

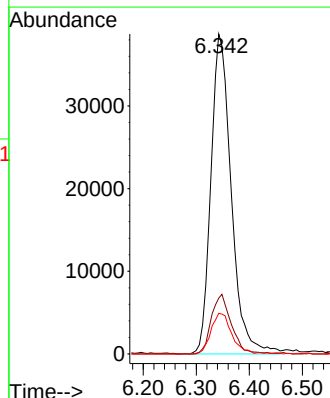
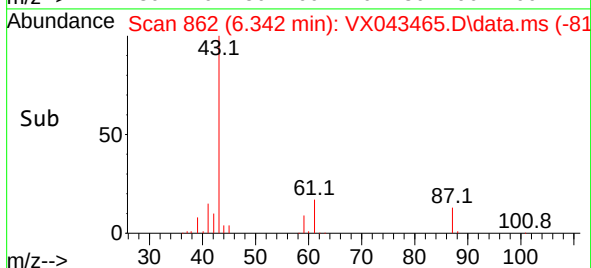
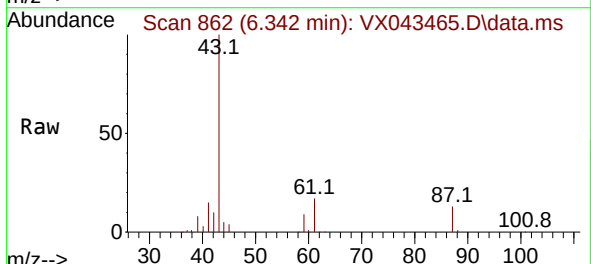


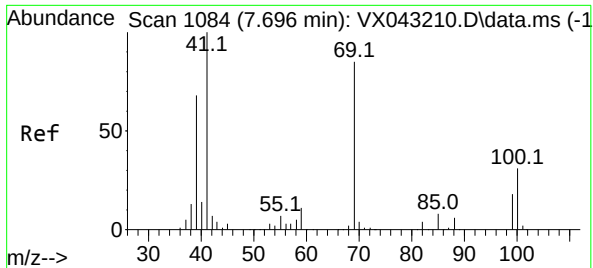
Tgt Ion:117 Resp: 10954
Ion Ratio Lower Upper
117 100
119 4.0 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 34.941 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion: 43 Resp: 103066
Ion Ratio Lower Upper
43 100
61 18.4 15.1 22.7
87 12.9 10.8 16.2

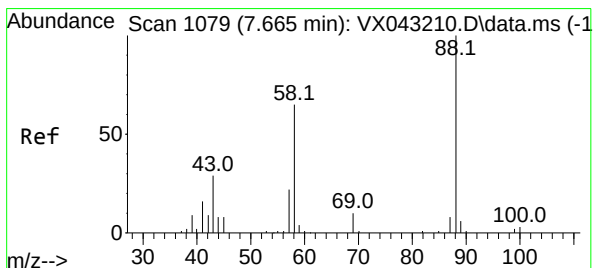
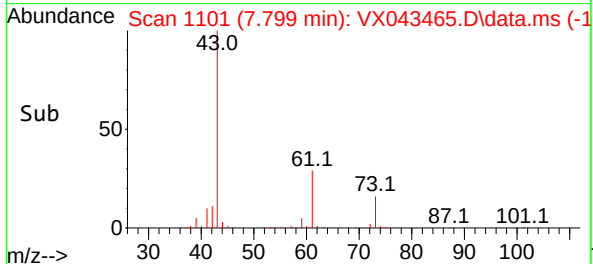
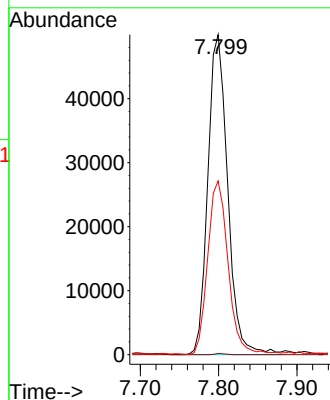
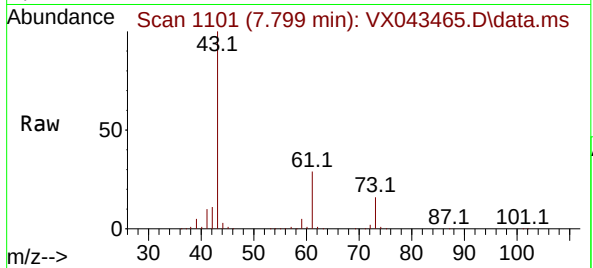




#48
Methyl methacrylate
Concen: 60.732 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

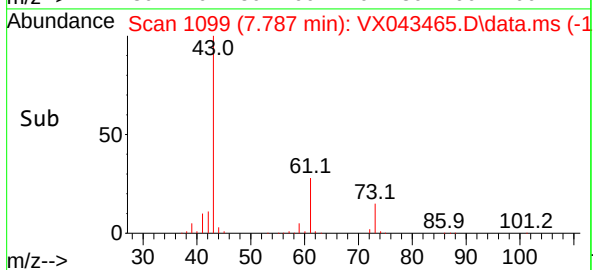
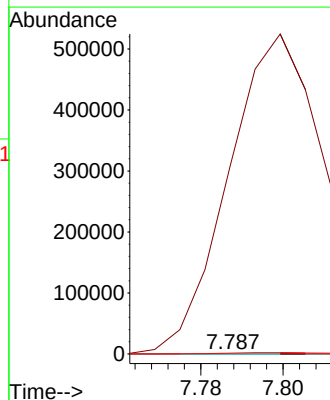
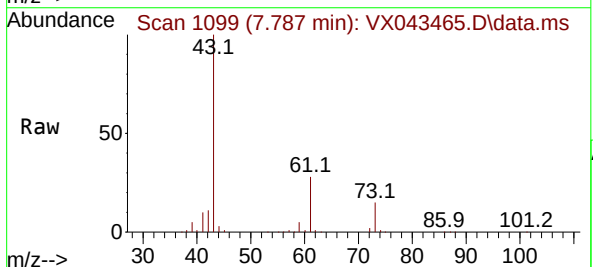
Instrument :
MSVOA_X
ClientSampleId :

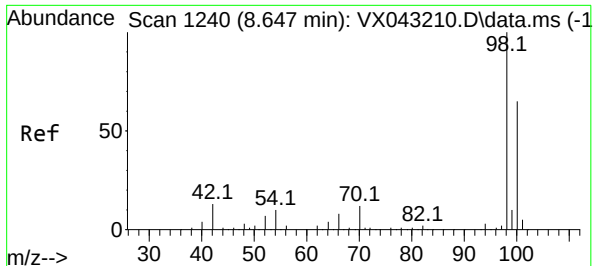
Tgt Ion: 41 Resp: 87898
Ion Ratio Lower Upper
41 100
69 0.2 64.1 96.1#
39 56.3 52.8 79.2



#49
1,4-Dioxane
Concen: 1.386 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.122 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 2341002.6 29.5 44.3#
58 10202.6 55.2 82.8#

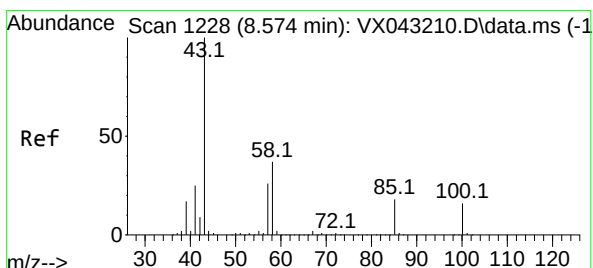
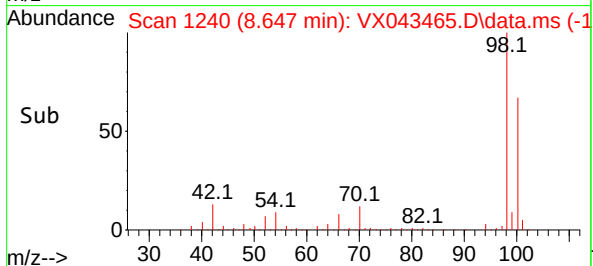
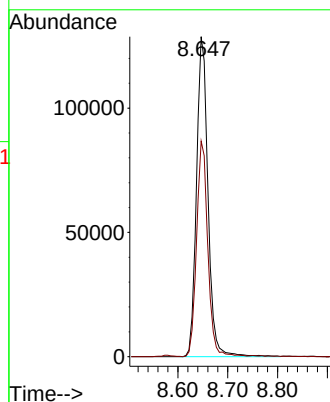
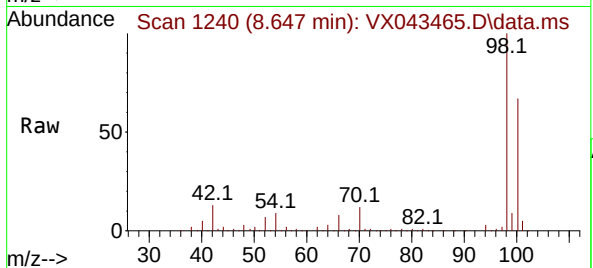




#50
Toluene-d8
Concen: 50.479 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

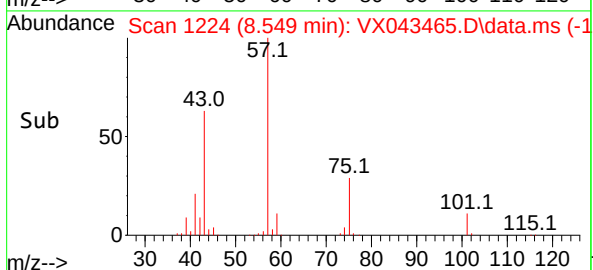
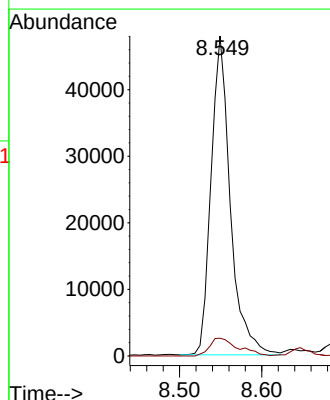
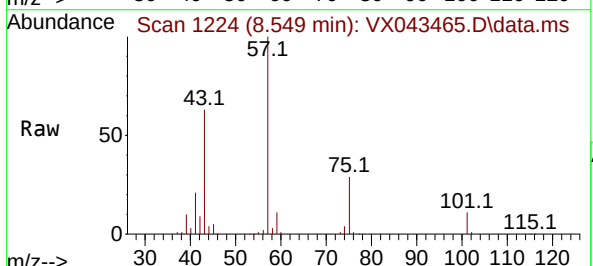
Instrument :
MSVOA_X
ClientSampleId :

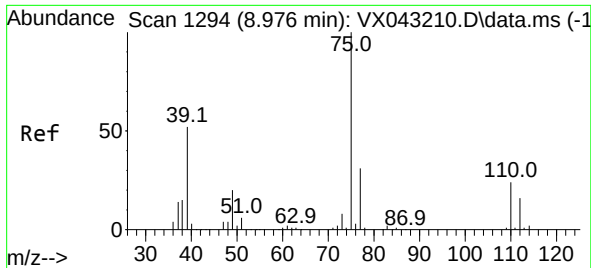
Tgt Ion: 98 Resp: 205923
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 43.441 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion: 43 Resp: 77825
Ion Ratio Lower Upper
43 100
58 8.3 30.0 45.0#

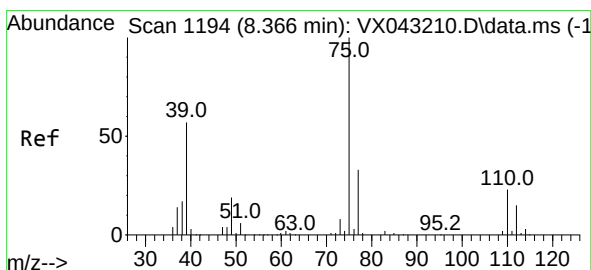
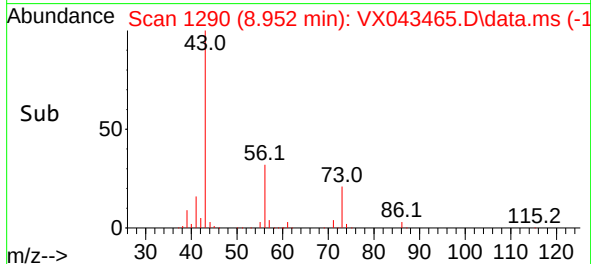
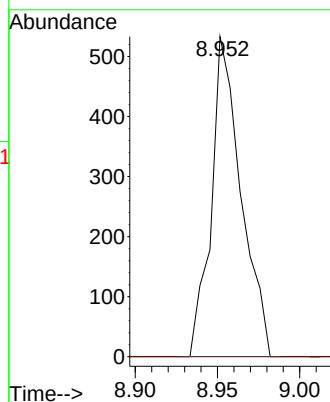
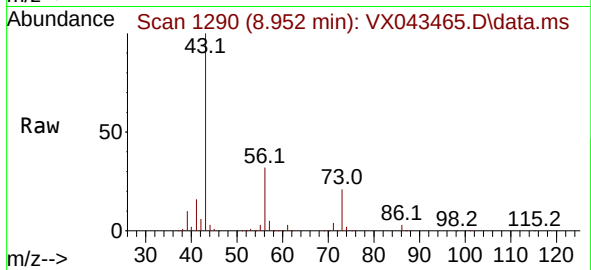




#53
 t-1,3-Dichloropropene
 Concen: 0.387 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX043465.D
 Acq: 21 Oct 2024 19:17

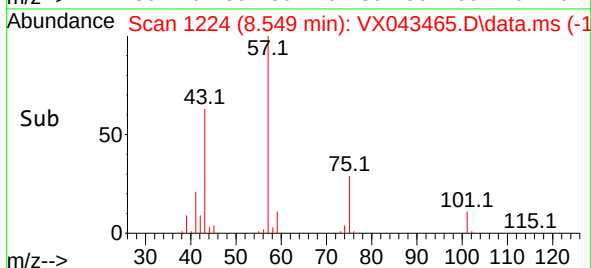
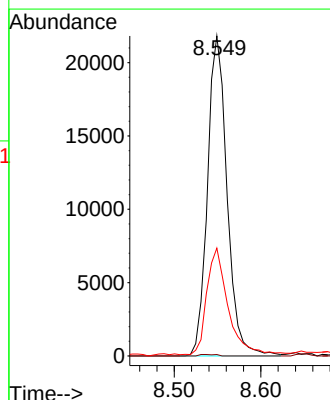
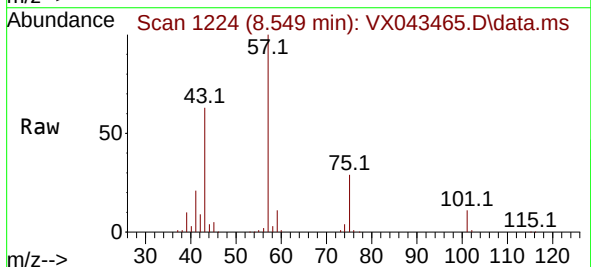
Instrument :
 MSVOA_X
 ClientSampleId :

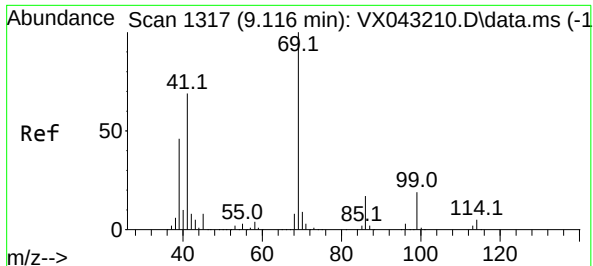
Tgt Ion: 75 Resp: 670
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 18.454 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043465.D
 Acq: 21 Oct 2024 19:17

Tgt Ion: 75 Resp: 34285
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.0 39.0#
 39 33.3 45.8 68.8#

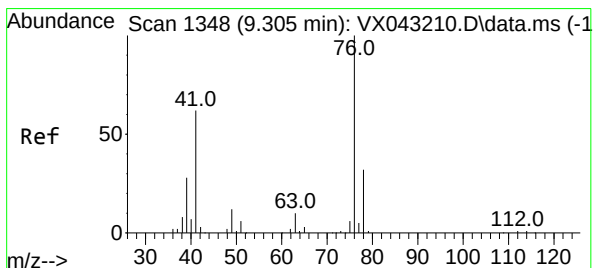
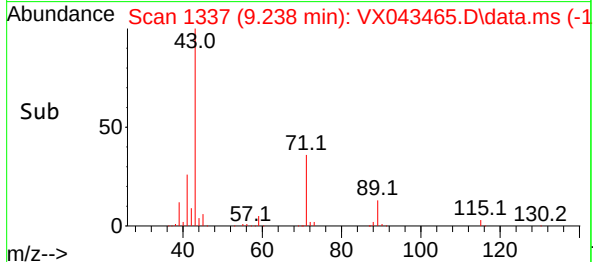
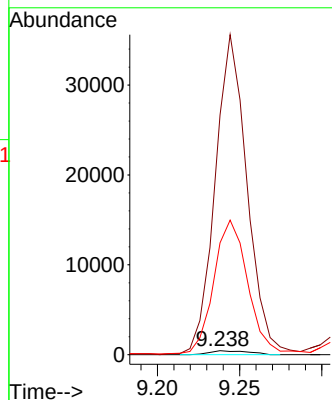
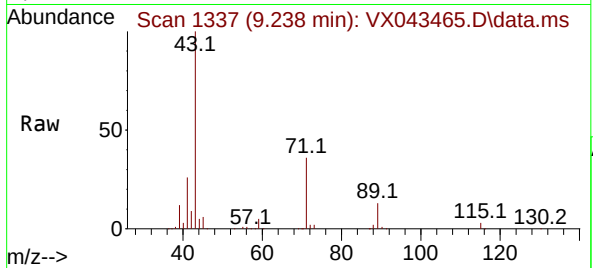




#56
Ethyl methacrylate
Concen: 0.390 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

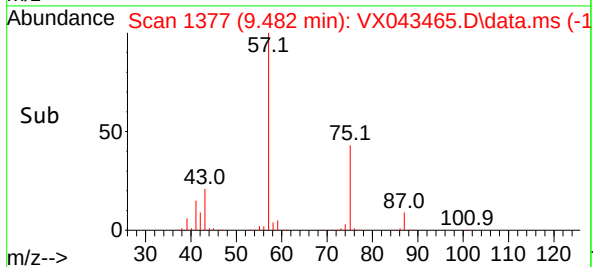
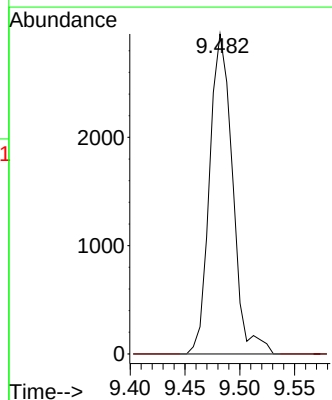
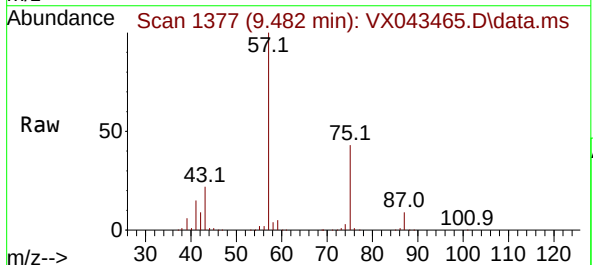
Instrument :
MSVOA_X
ClientSampleId :

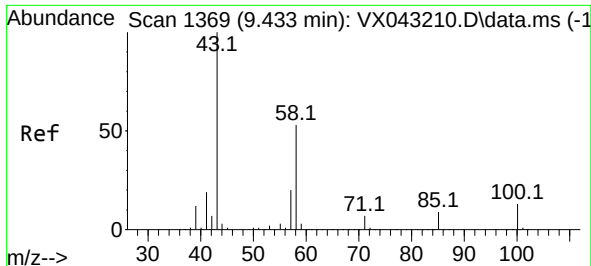
Tgt Ion: 69 Resp: 716
Ion Ratio Lower Upper
69 100
41 6752.4 56.1 84.1#
39 2977.1 36.4 54.6#



#57
1,3-Dichloropropane
Concen: 2.256 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion: 76 Resp: 4316
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 46.668 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043465.D

Acq: 21 Oct 2024 19:17

Instrument :

MSVOA_X

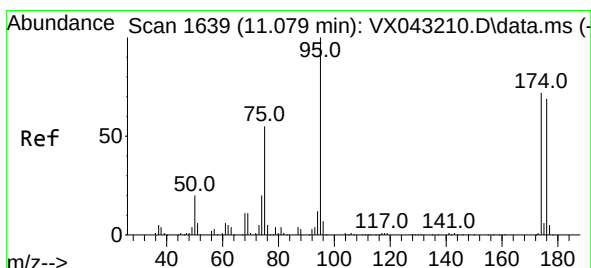
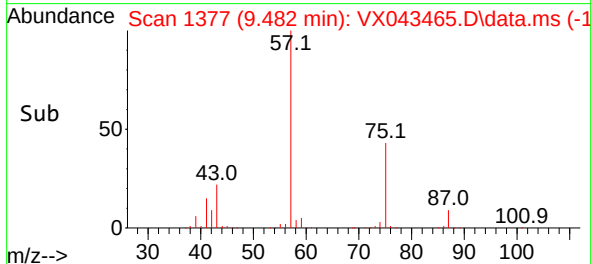
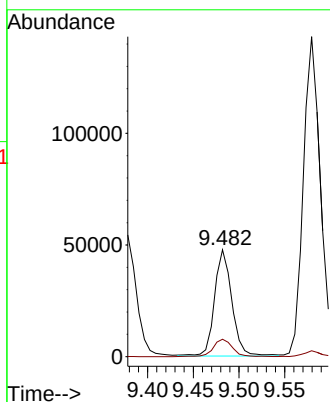
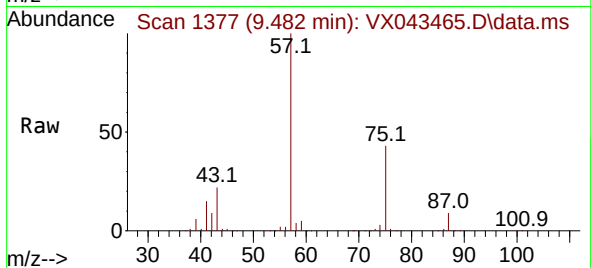
ClientSampleId :

Tgt Ion: 43 Resp: 63224

Ion Ratio Lower Upper

43 100

58 18.4 26.1 78.3#



#62

4-Bromofluorobenzene

Concen: 51.676 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043465.D

Acq: 21 Oct 2024 19:17

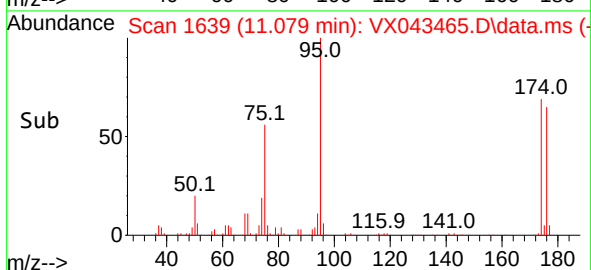
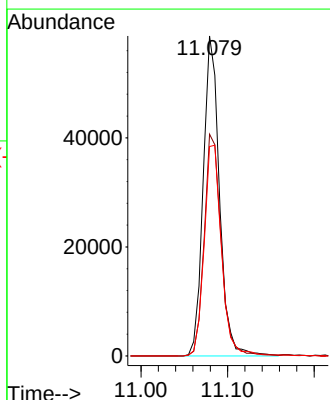
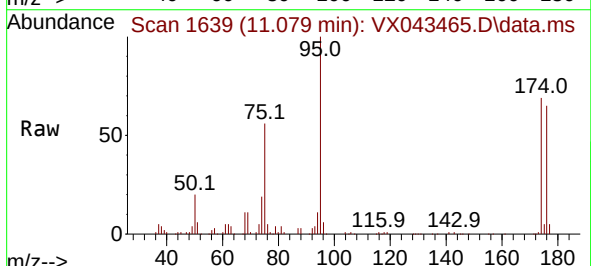
Tgt Ion: 95 Resp: 76584

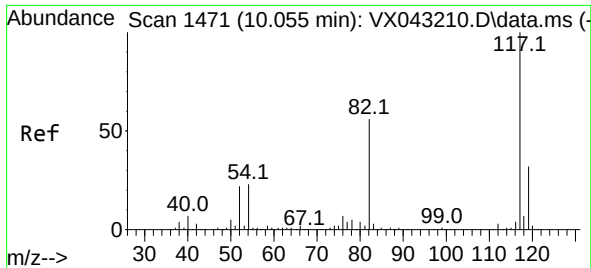
Ion Ratio Lower Upper

95 100

174 72.4 0.0 145.0

176 70.4 0.0 143.0

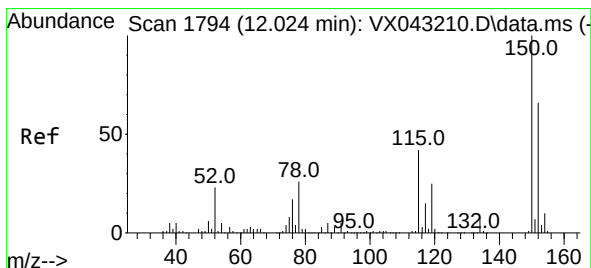
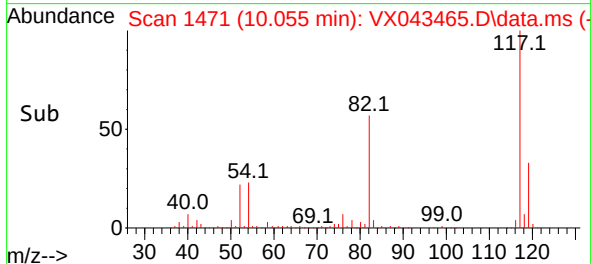
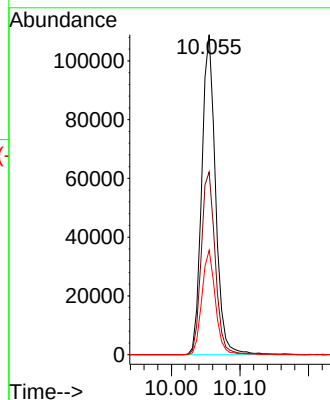
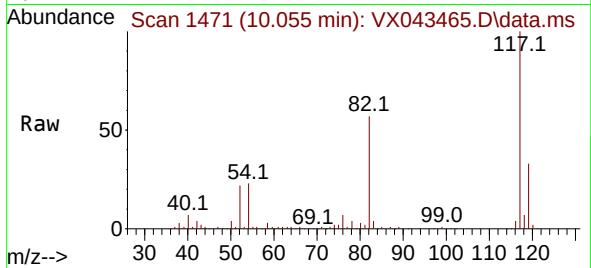




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

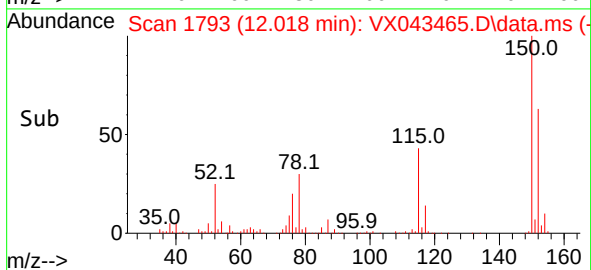
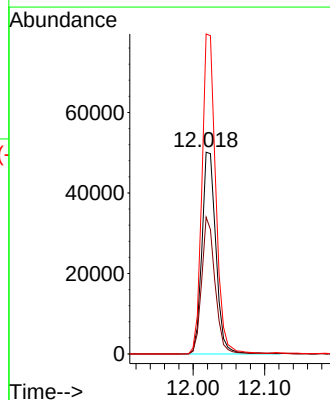
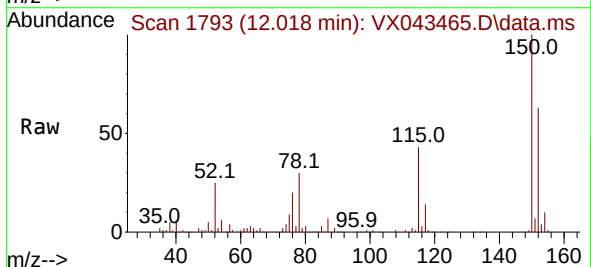
Instrument :
MSVOA_X
ClientSampleId :

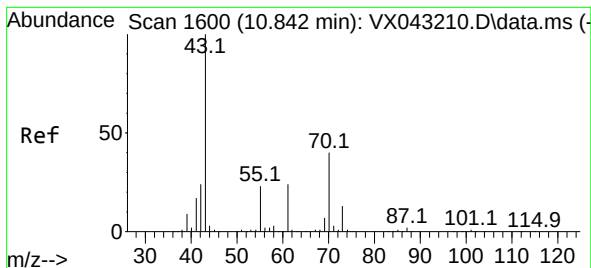
Tgt Ion:117 Resp: 152813
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.6
119 32.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043465.D
Acq: 21 Oct 2024 19:17

Tgt Ion:152 Resp: 68156
Ion Ratio Lower Upper
152 100
115 64.6 44.1 132.3
150 156.2 0.0 347.4





#74

N-amy1 acetate

Concen: 7.134 ug/l

RT: 10.640 min Scan# 1639

Delta R.T. -0.201 min

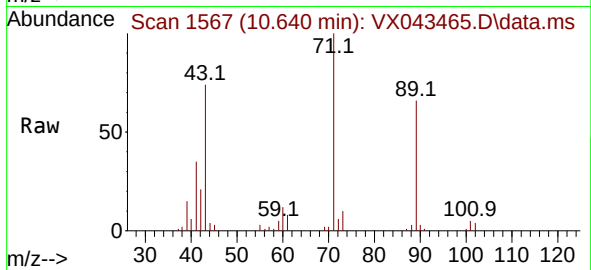
Lab File: VX043465.D

Acq: 21 Oct 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 17946

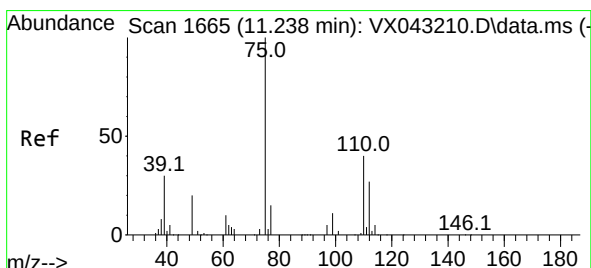
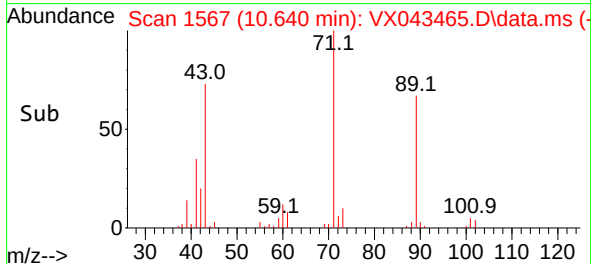
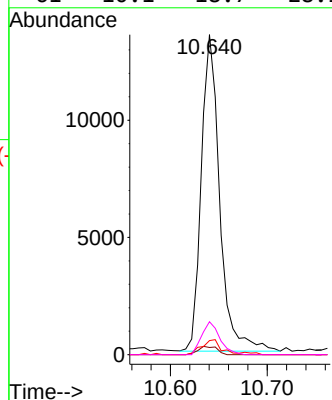
Ion	Ratio	Lower	Upper
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43	100		
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70	2.7	33.1	49.7#
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55	5.0	18.6	27.8#
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61	10.1	18.7	28.1#
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#76

1,2,3-Trichloropropane

Concen: 27.870 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043465.D

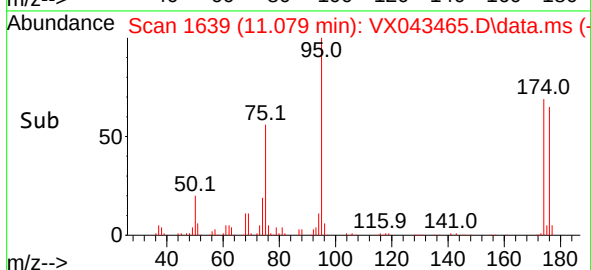
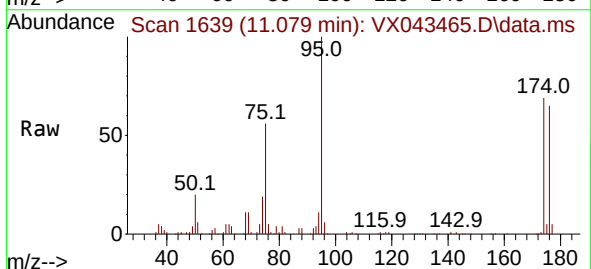
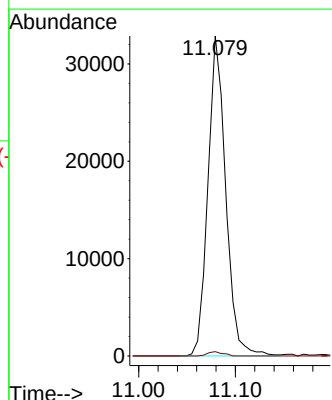
Acq: 21 Oct 2024 19:17

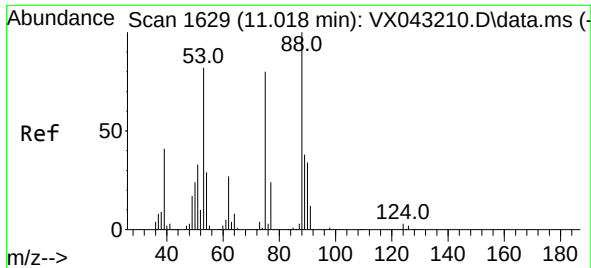
Tgt Ion: 75 Resp: 42133

Ion	Ratio	Lower	Upper
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75	100		
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77	1.2	22.0	66.0#
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.229 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043465.D
 Acq: 21 Oct 2024 19:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 42133
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

