

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102624\
 Data File : VX043551.D
 Acq On : 26 Oct 2024 05:34
 Operator : JC/MD
 Sample : P4508-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 06:27:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102624W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 26 04:43:47 2024
 Response via : Initial Calibration

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

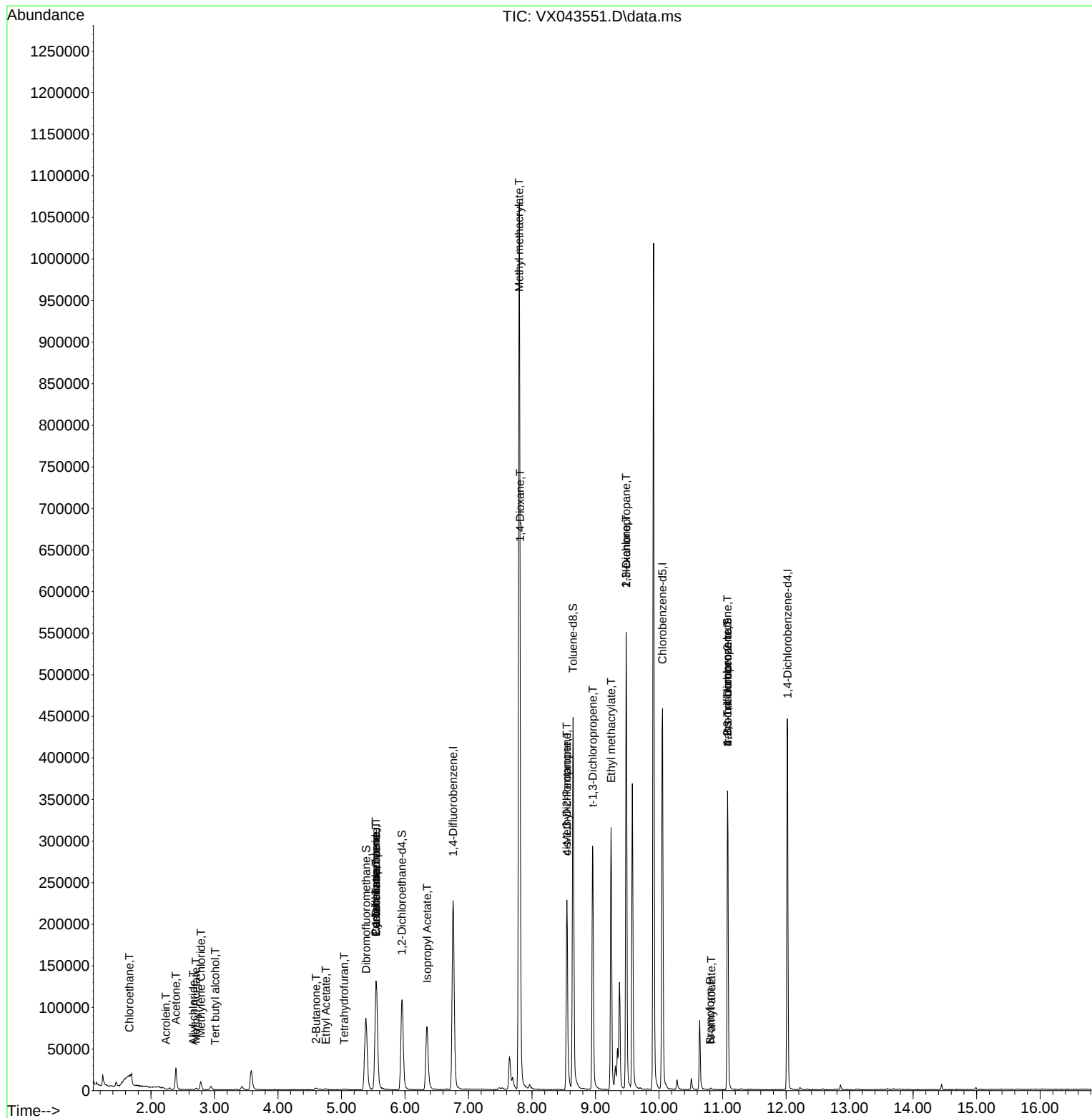
Internal Standards						
1) Pentafluorobenzene	5.544	168	123941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109443	55.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.340%			
35) Dibromofluoromethane	5.385	113	78903	48.788	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.580%			
50) Toluene-d8	8.647	98	275335	49.100	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.200%			
62) 4-Bromofluorobenzene	11.079	95	99605	48.630	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.260%			
Target Compounds					Qvalue	
6) Chloroethane	1.660	64	217	0.413	ug/l #	78
11) Tert butyl alcohol	3.014	59	278	0.662	ug/l #	100
13) Acrolein	2.233	56	238	0.719	ug/l #	63
14) Allyl chloride	2.666	41	490	0.211	ug/l #	55
16) Acetone	2.392	43	28663	34.154	ug/l	95
18) Methyl Acetate	2.709	43	2611	1.035	ug/l	98
20) Methylene Chloride	2.788	84	4859	2.963	ug/l	90
25) 2-Butanone	4.599	43	3858	3.027	ug/l	96
29) Tetrahydrofuran	5.044	42	870	1.045	ug/l #	78
31) Cyclohexane	5.544	56	2664	1.243	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9971	5.209	ug/l #	49
37) Ethyl Acetate	4.751	43	1582	0.606	ug/l #	86
38) Carbon Tetrachloride	5.544	117	13541	6.226	ug/l #	16
43) Isopropyl Acetate	6.348	43	113452	27.455	ug/l	99
48) Methyl methacrylate	7.799	41	92625	48.011	ug/l #	42
49) 1,4-Dioxane	7.812	88	165	3.329	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	84885	32.419	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	629	0.292	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	39494	16.689	ug/l #	62
56) Ethyl methacrylate	9.244	69	674	0.251	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4666	1.698	ug/l #	42
59) 2-Hexanone	9.482	43	65467	33.067	ug/l #	52
71) Bromoform	10.805	173	68	3.798	ug/l #	30
74) N-amyl acetate	10.823	43	701	0.209	ug/l #	42
76) 1,2,3-Trichloropropane	11.079	75	52080	23.995	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	52080	64.316	ug/l #	7

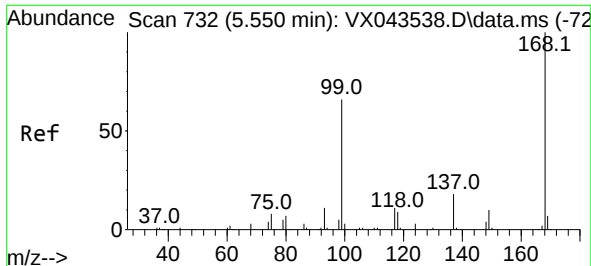
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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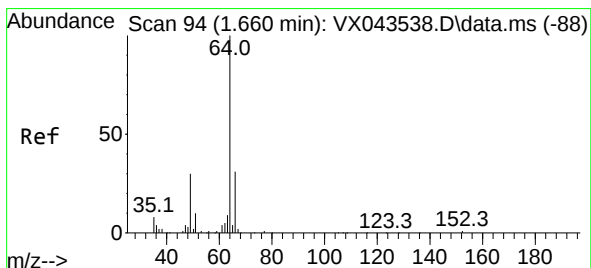
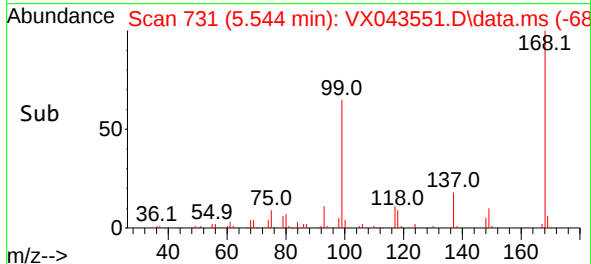
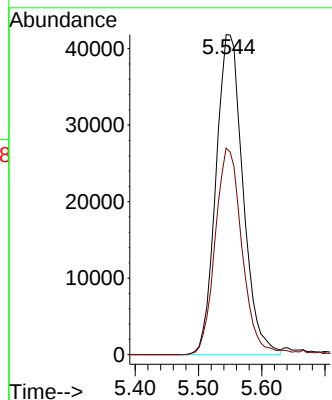
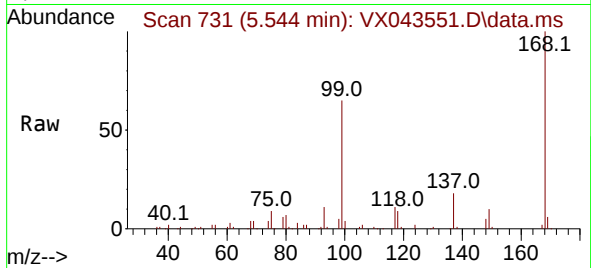




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

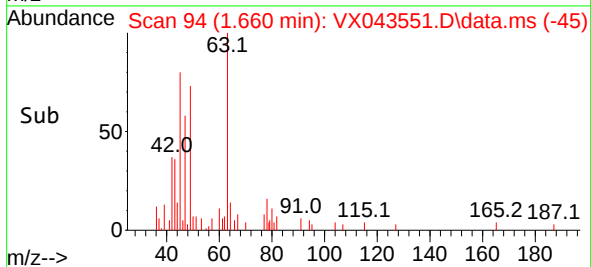
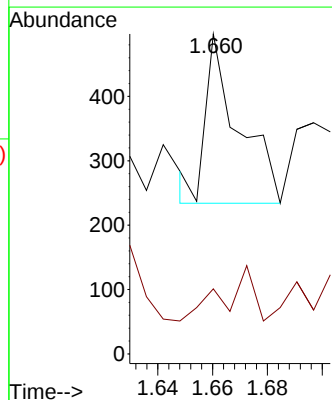
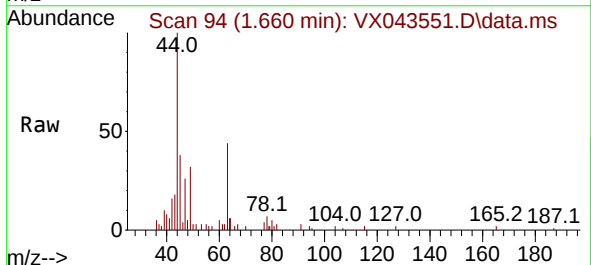
Instrument :
MSVOA_X
ClientSampleId :

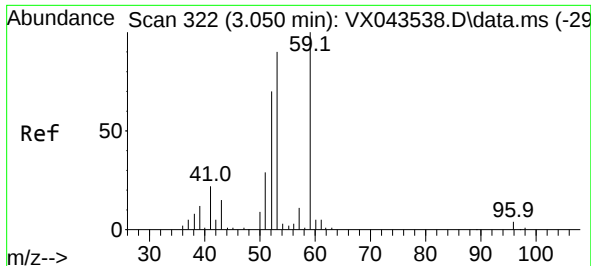
Tgt Ion:168 Resp: 123941
Ion Ratio Lower Upper
168 100
99 64.5 52.6 78.8



#6
Chloroethane
Concen: 0.413 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 19.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.662 ug/l

RT: 3.014 min Scan# 31

Delta R.T. -0.036 min

Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

Instrument :

MSVOA_X

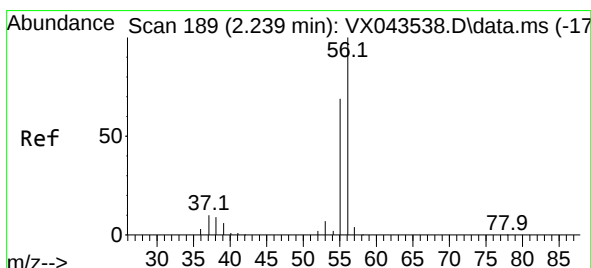
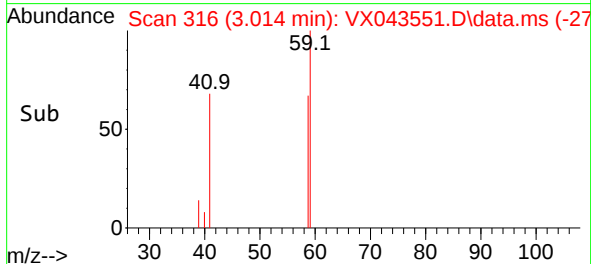
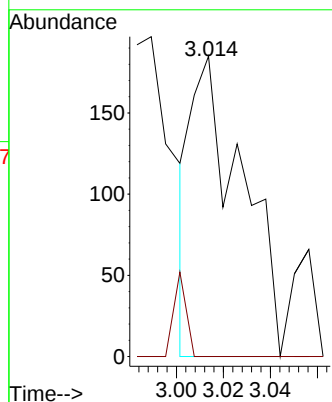
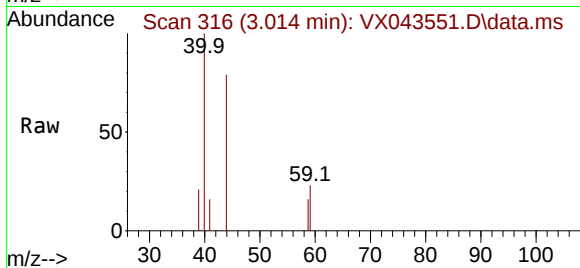
ClientSampleId :

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 6.8 0.0 0.0#



#13

Acrolein

Concen: 0.719 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX043551.D

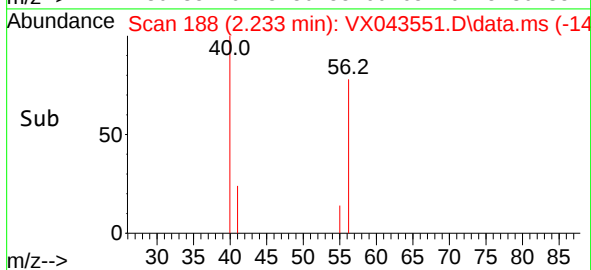
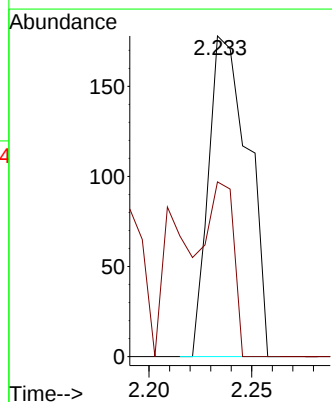
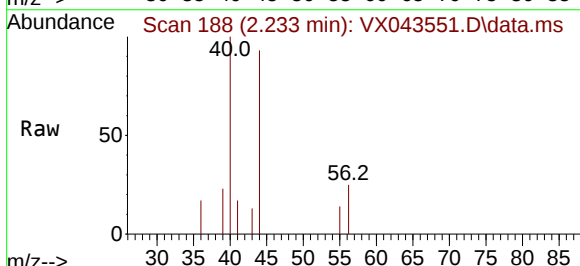
Acq: 26 Oct 2024 05:34

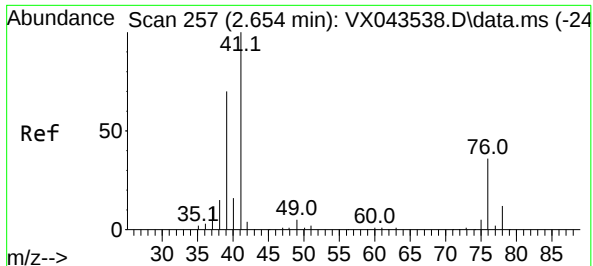
Tgt Ion: 56 Resp: 238

Ion Ratio Lower Upper

56 100

55 38.7 55.3 82.9#





#14

Allyl chloride

Concen: 0.211 ug/l

RT: 2.666 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX043551.D

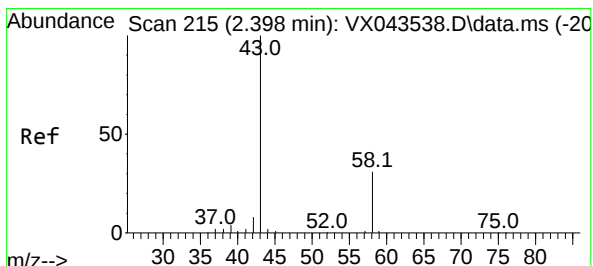
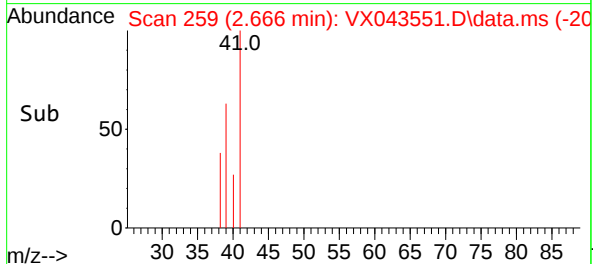
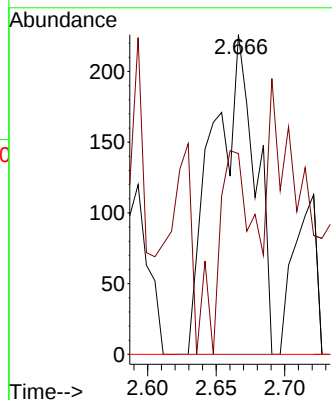
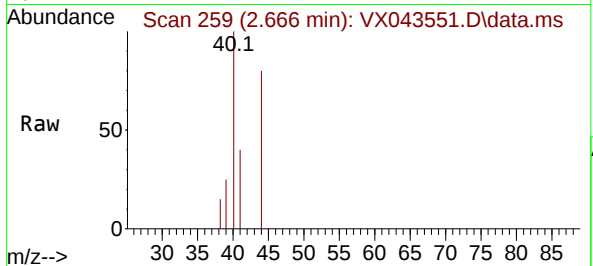
Acq: 26 Oct 2024 05:34

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41	Resp: 490
Ion Ratio	Lower Upper
41 100	
39 36.1	53.2 79.8#
76 0.0	27.0 40.6#



#16

Acetone

Concen: 34.154 ug/l

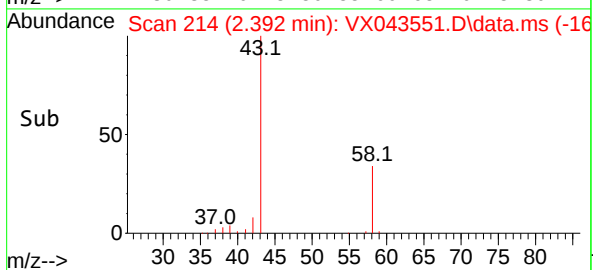
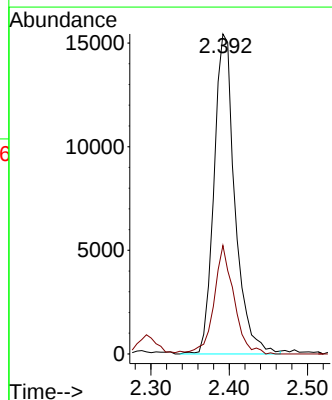
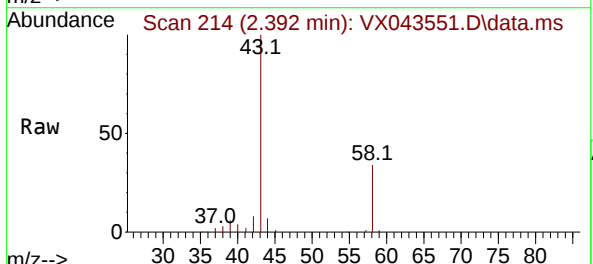
RT: 2.392 min Scan# 214

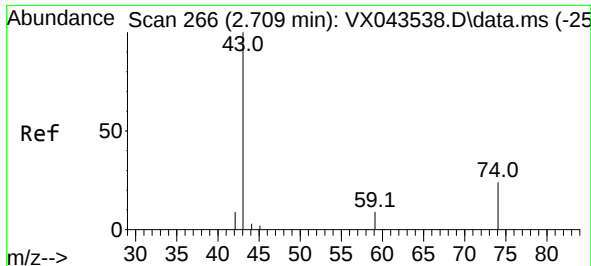
Delta R.T. -0.006 min

Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

Tgt Ion: 43	Resp: 28663
Ion Ratio	Lower Upper
43 100	
58 33.9	25.1 37.7

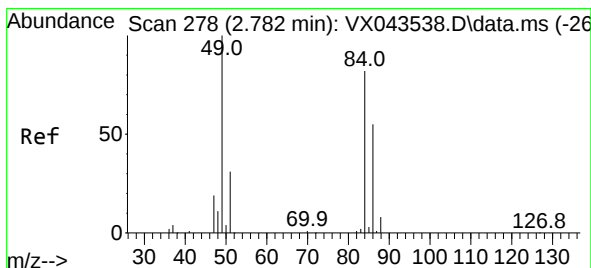
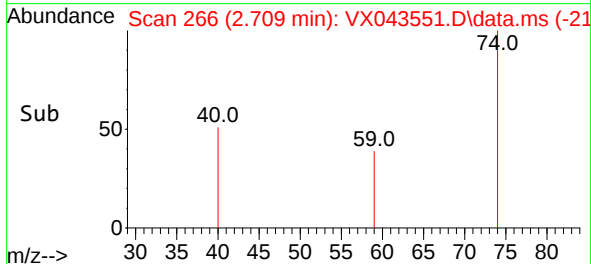
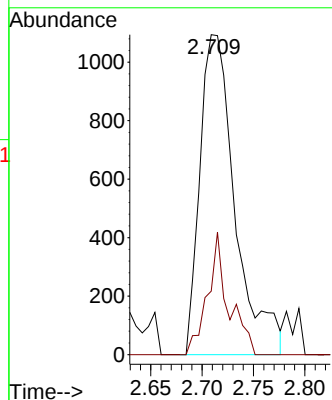
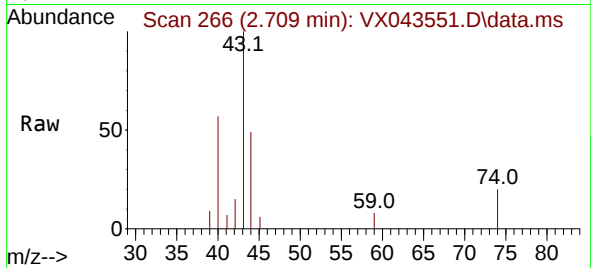




#18
Methyl Acetate
Concen: 1.035 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

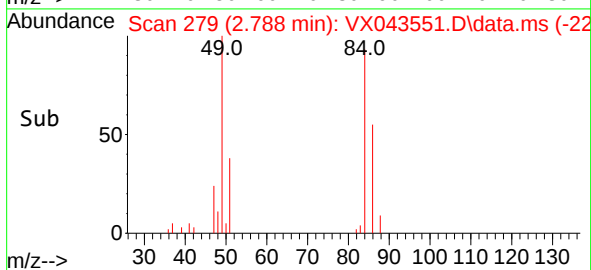
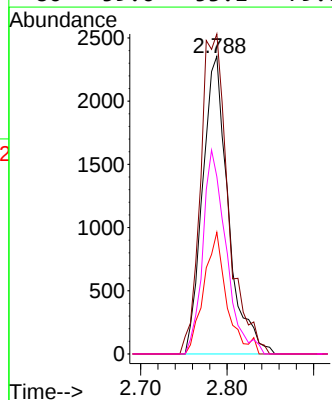
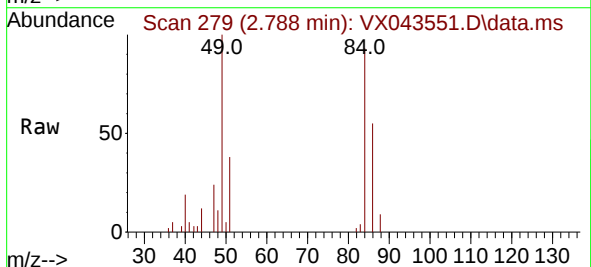
Instrument :
MSVOA_X
ClientSampleId :

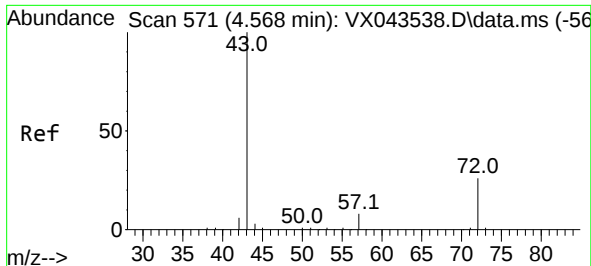
Tgt Ion: 43 Resp: 2611
Ion Ratio Lower Upper
43 100
74 22.7 19.1 28.7



#20
Methylene Chloride
Concen: 2.963 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 84 Resp: 4859
Ion Ratio Lower Upper
84 100
49 107.5 97.0 145.6
51 40.8 29.8 44.8
86 59.6 53.1 79.7

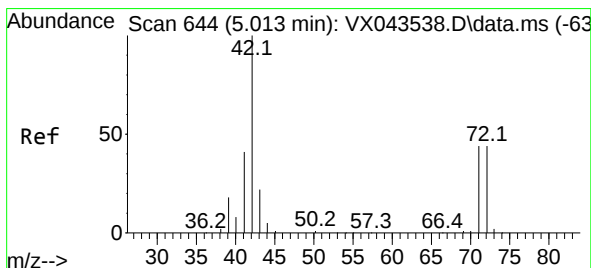
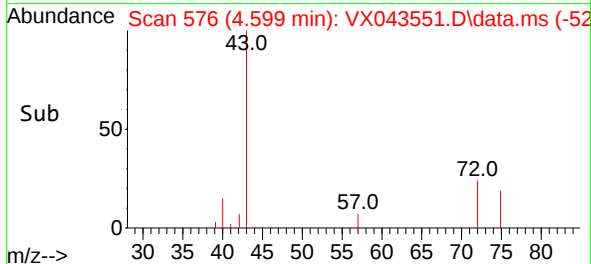
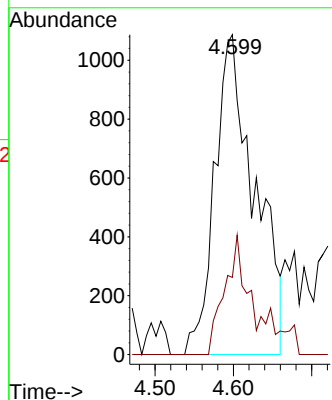
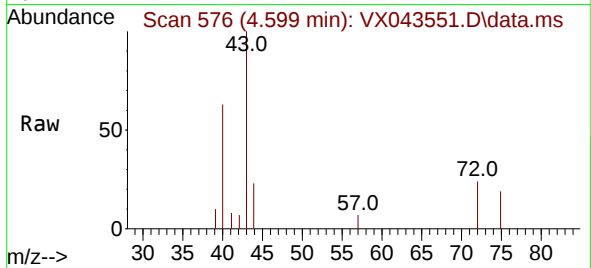




#25
2-Butanone
Concen: 3.027 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

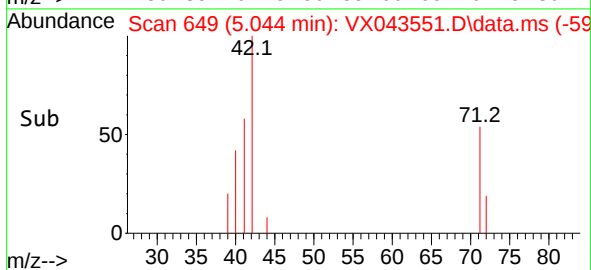
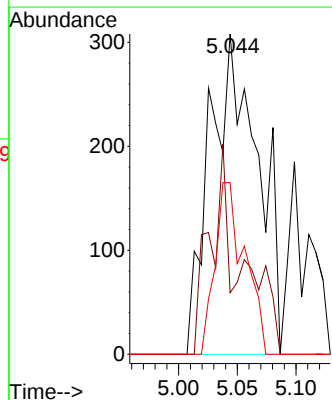
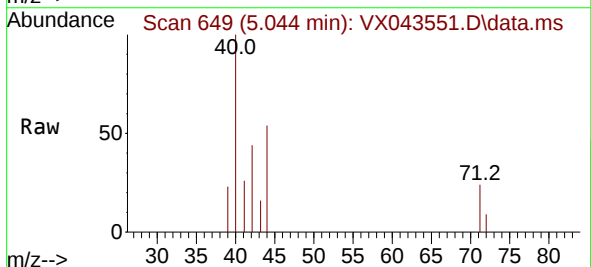
Instrument :
MSVOA_X
ClientSampleId :

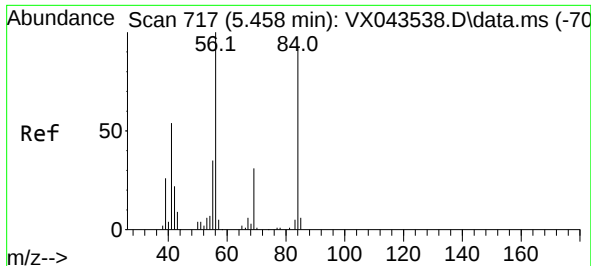
Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
72 24.1 21.1 31.7



#29
Tetrahydrofuran
Concen: 1.045 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

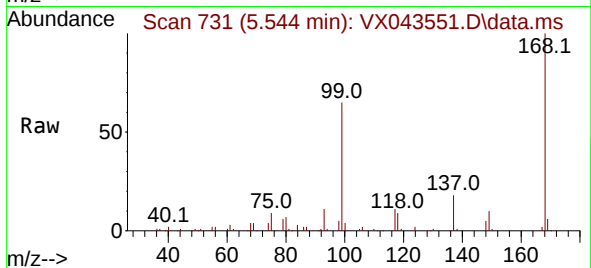
Tgt Ion: 42 Resp: 870
Ion Ratio Lower Upper
42 100
72 27.1 36.6 55.0#
71 33.2 34.2 51.4#



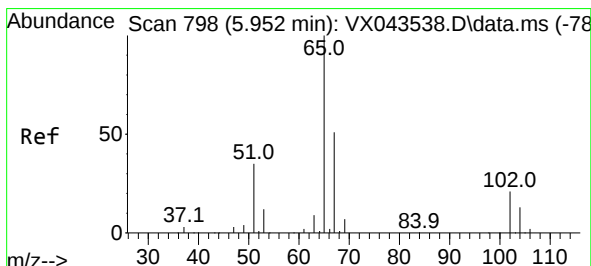
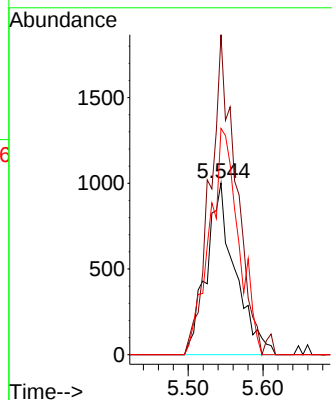
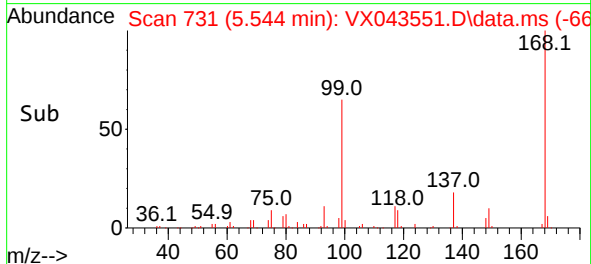


#31
Cyclohexane
Concen: 1.243 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.086 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Instrument :
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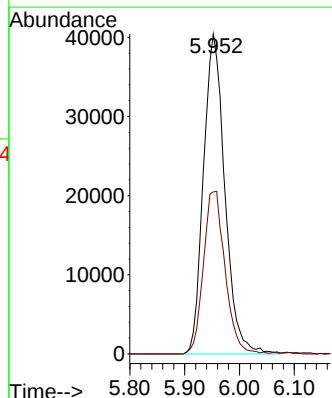
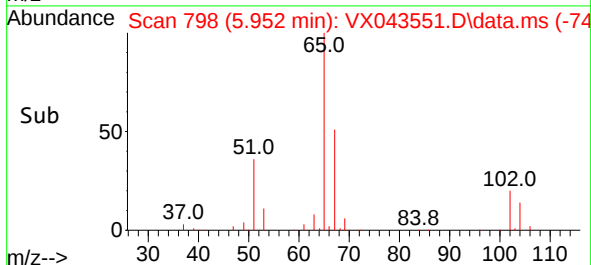
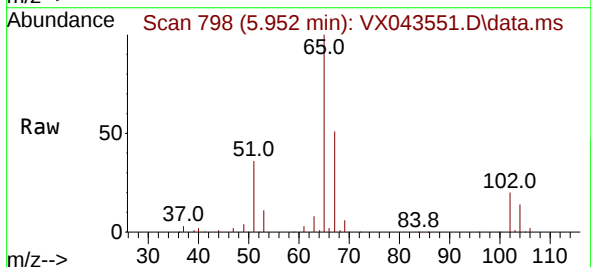


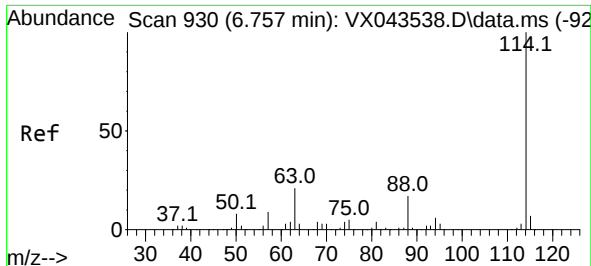
Tgt Ion: 56 Resp: 2664
Ion Ratio Lower Upper
56 100
69 186.3 24.9 37.3#
84 131.7 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 55.666 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 65 Resp: 109443
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

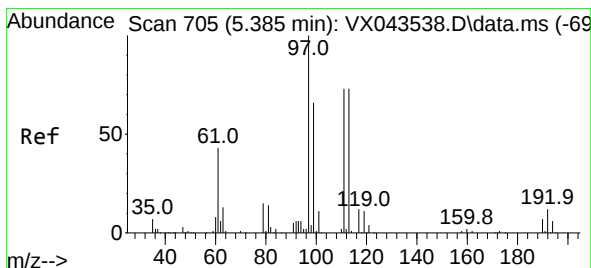
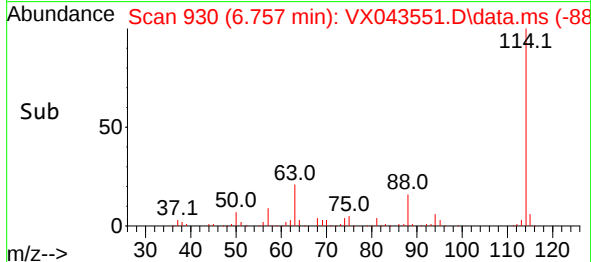
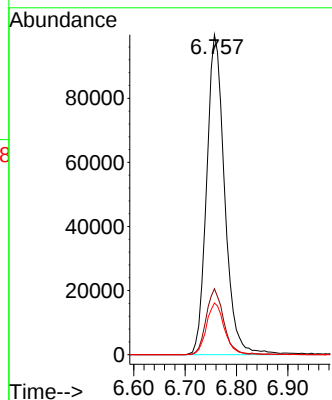
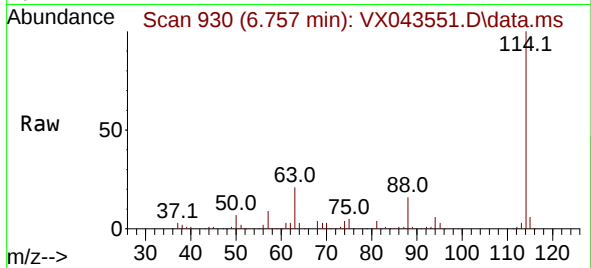




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

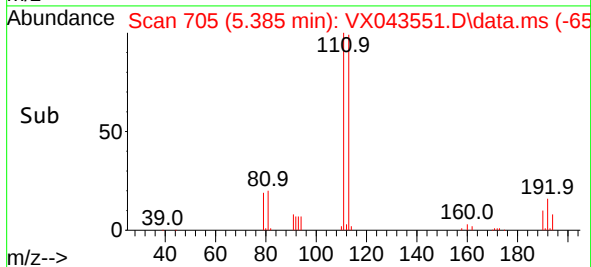
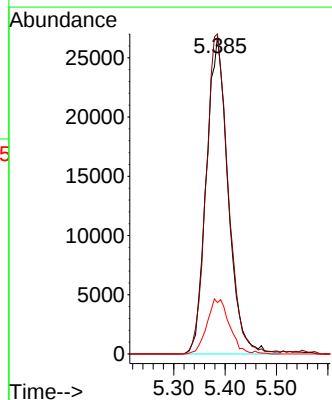
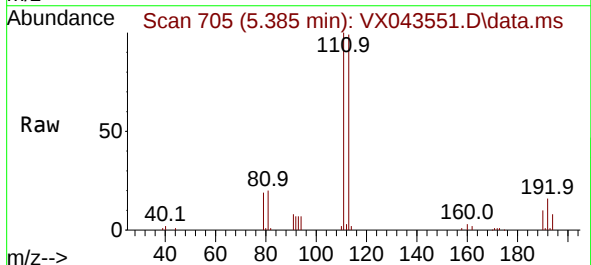
Instrument :
MSVOA_X
ClientSampleId :

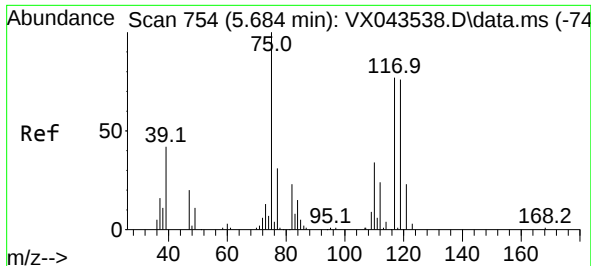
Tgt Ion:114 Resp: 242879
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.2
88 16.1 0.0 34.0



#35
Dibromofluoromethane
Concen: 48.788 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion:113 Resp: 78903
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 17.7 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.209 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

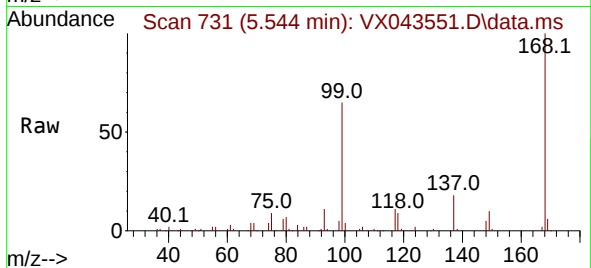
Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

Instrument :

MSVOA_X

ClientSampleId :



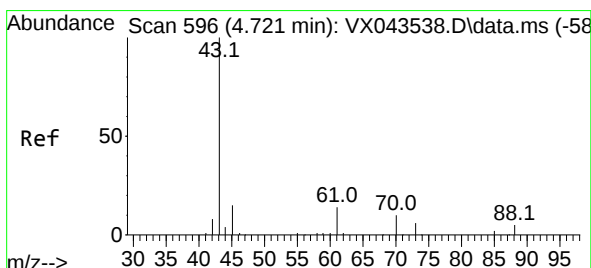
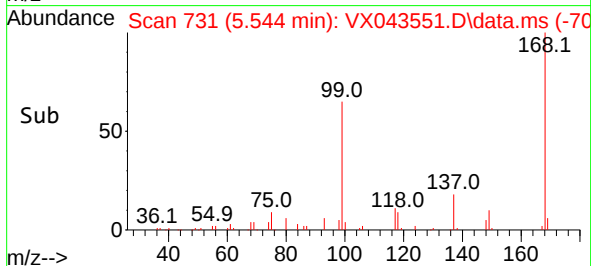
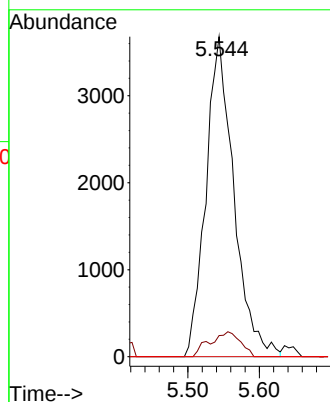
Tgt Ion: 75 Resp: 9971

Ion Ratio Lower Upper

75 100

110 8.5 17.9 53.7#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.606 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

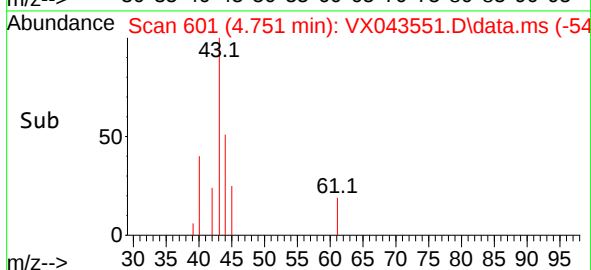
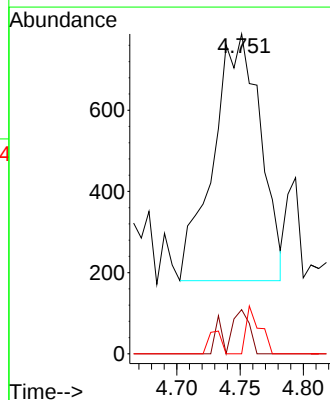
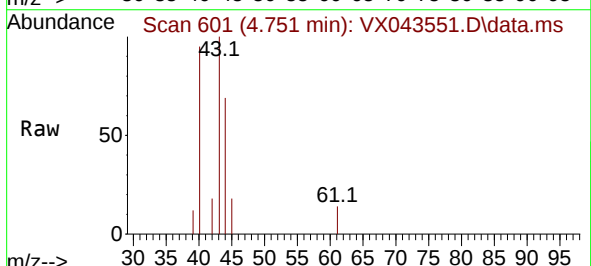
Tgt Ion: 43 Resp: 1582

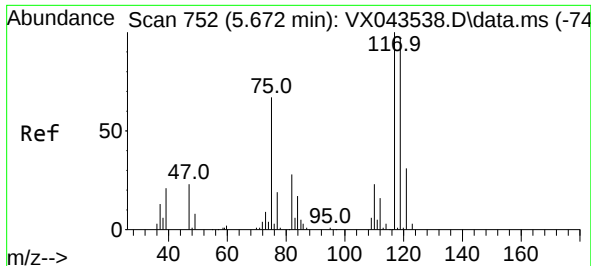
Ion Ratio Lower Upper

43 100

61 8.4 11.0 16.6#

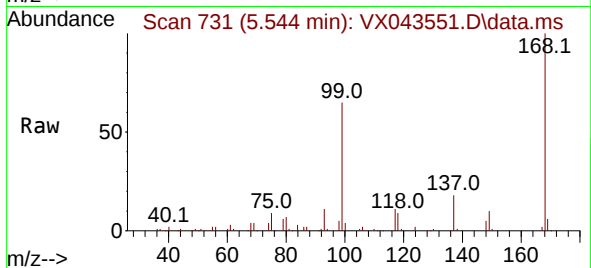
70 5.6 8.9 13.3#



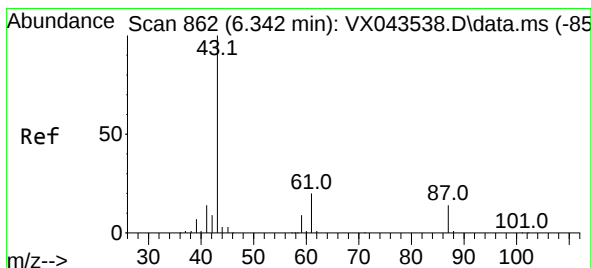
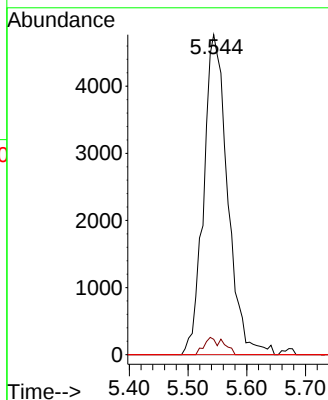
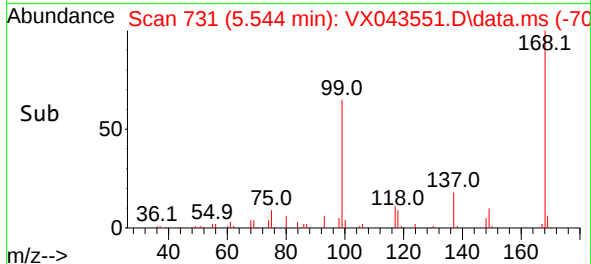


#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Instrument :
MSVOA_X
ClientSampleId :

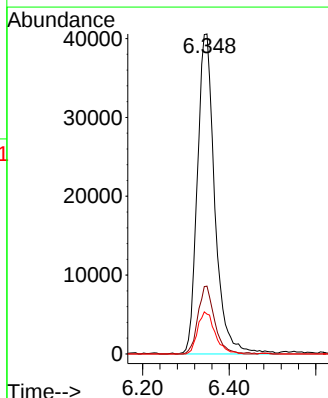
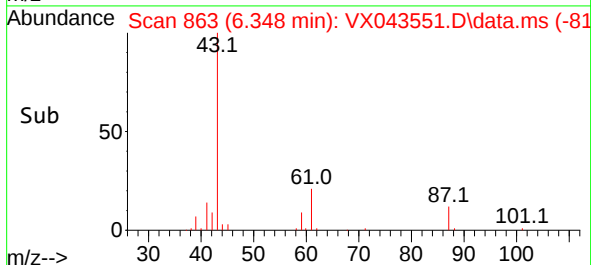
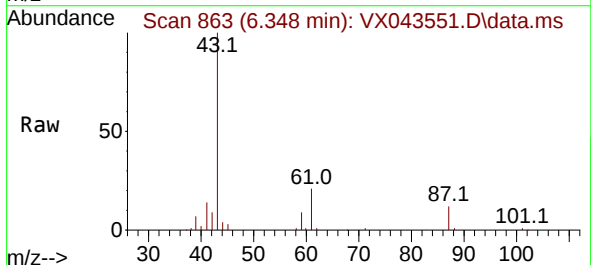


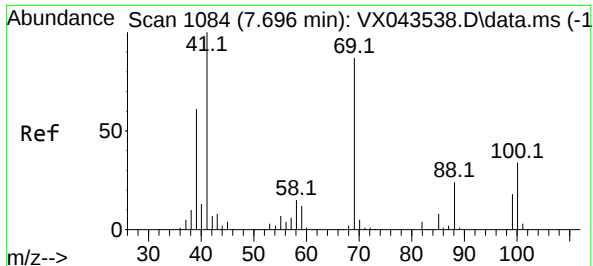
Tgt Ion:117 Resp: 13541
Ion Ratio Lower Upper
117 100
119 4.8 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 27.455 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 43 Resp: 113452
Ion Ratio Lower Upper
43 100
61 20.2 16.2 24.4
87 13.1 11.0 16.6

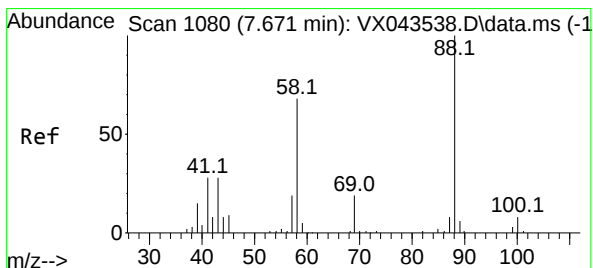
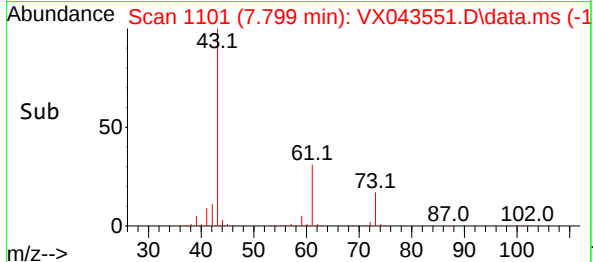
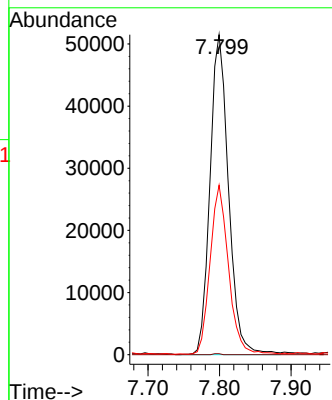
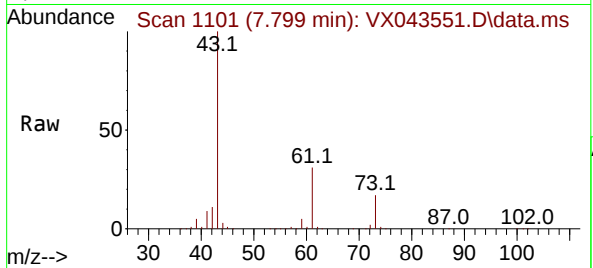




#48
Methyl methacrylate
Concen: 48.011 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

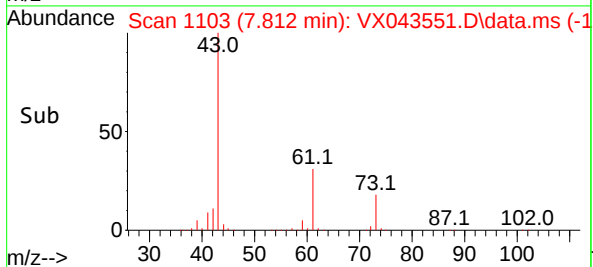
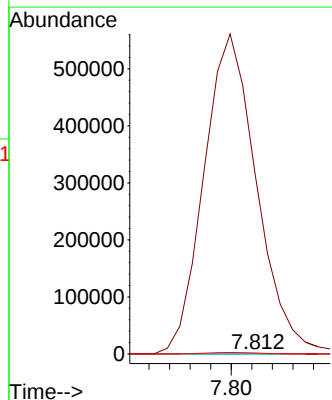
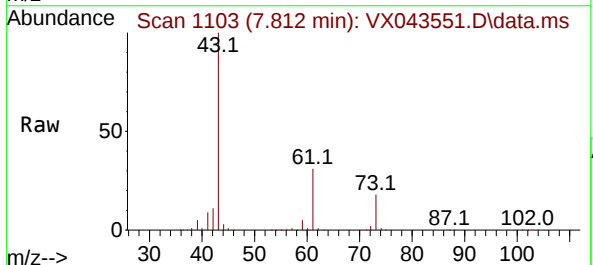
Instrument :
MSVOA_X
ClientSampleId :

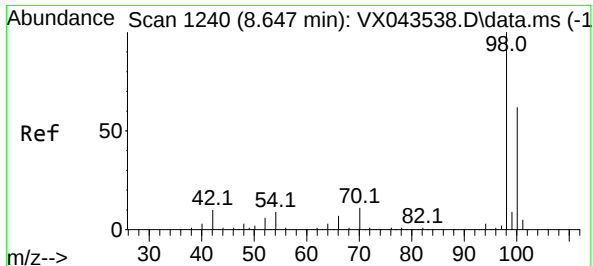
Tgt Ion: 41 Resp: 92625
Ion Ratio Lower Upper
41 100
69 0.1 67.7 101.5#
39 52.4 46.3 69.5



#49
1,4-Dioxane
Concen: 3.329 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.140 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 615370.9 25.3 37.9#
58 2897.0 53.9 80.9#

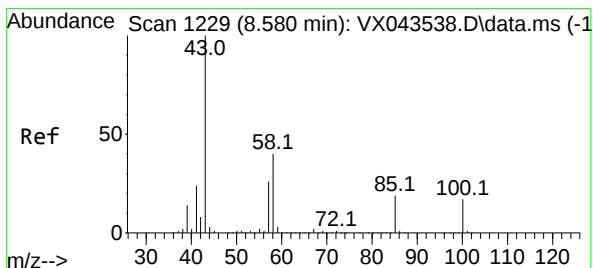
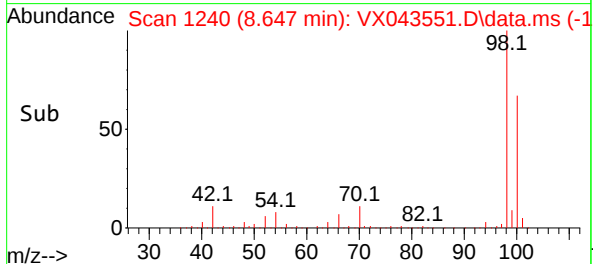
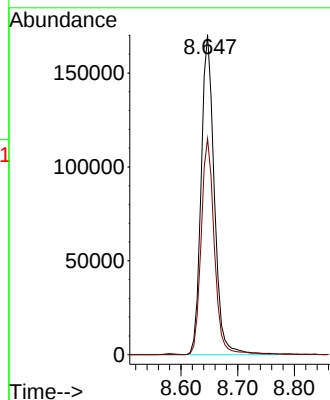
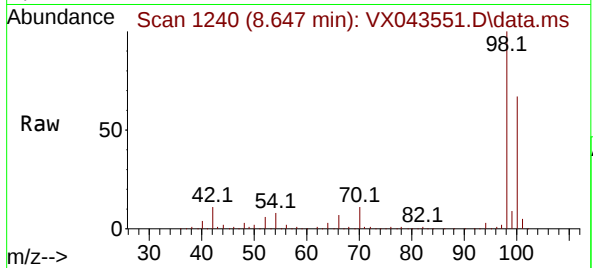




#50
Toluene-d8
Concen: 49.100 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

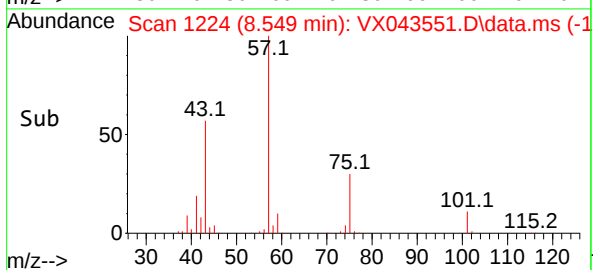
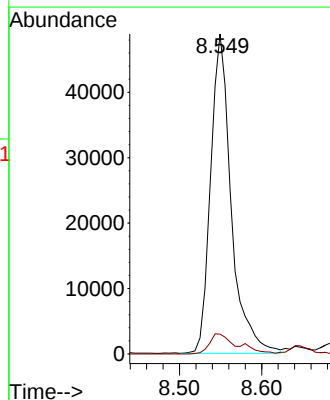
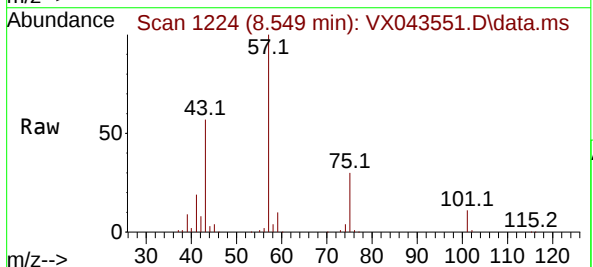
Instrument :
MSVOA_X
ClientSampleId :

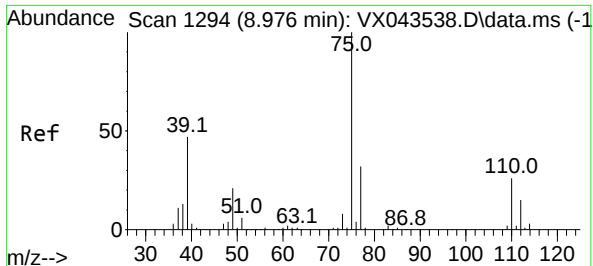
Tgt Ion: 98 Resp: 275335
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 32.419 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 43 Resp: 84885
Ion Ratio Lower Upper
43 100
58 8.6 31.7 47.5#





#53

t-1,3-Dichloropropene

Concen: 0.292 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

Instrument :

MSVOA_X

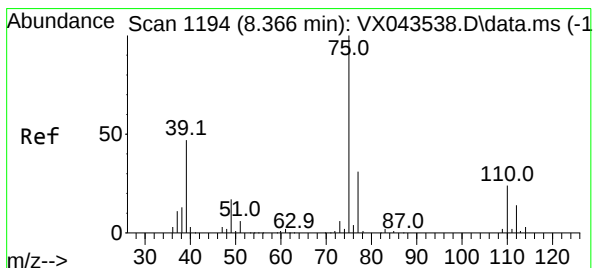
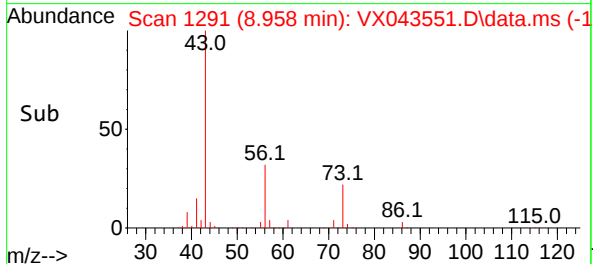
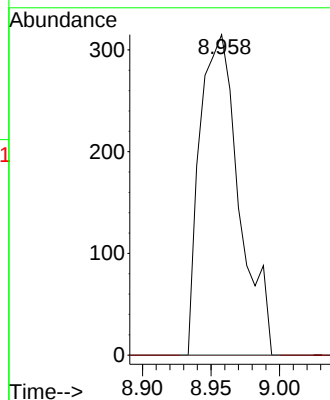
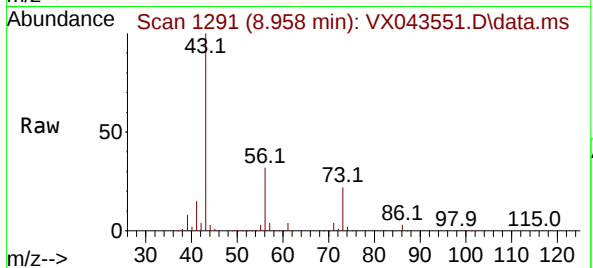
ClientSampleId :

Tgt Ion: 75 Resp: 629

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#54

cis-1,3-Dichloropropene

Concen: 16.689 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

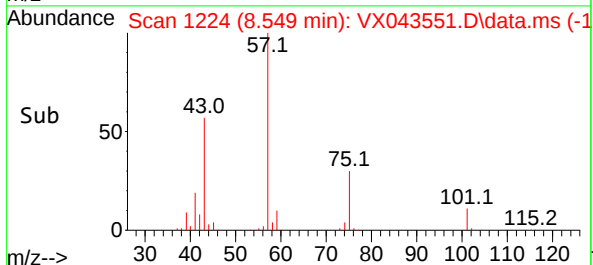
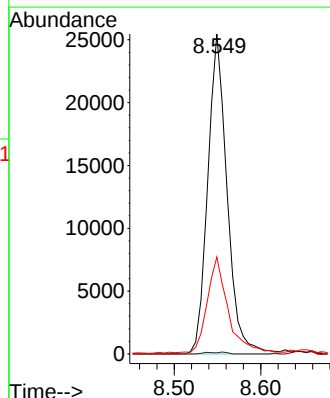
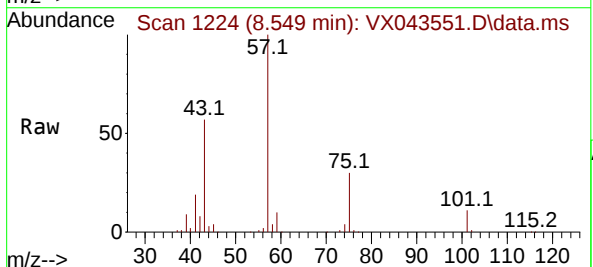
Tgt Ion: 75 Resp: 39494

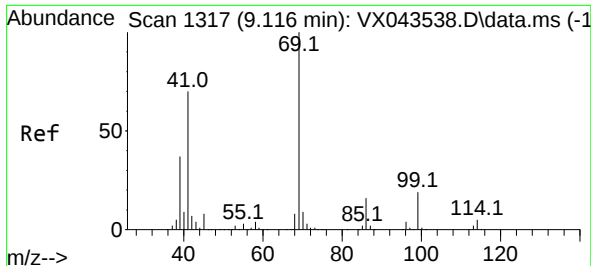
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 29.8 37.7 56.5#

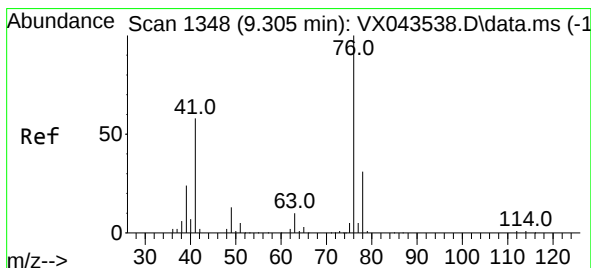
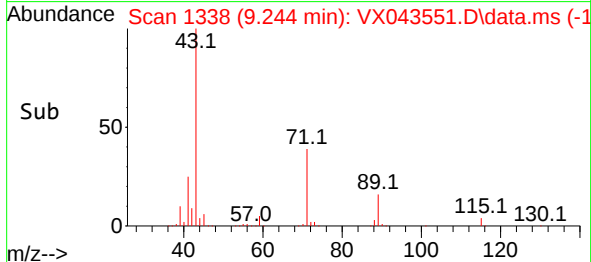
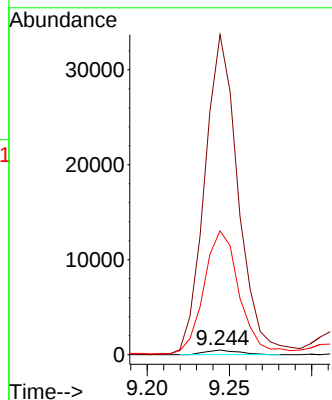
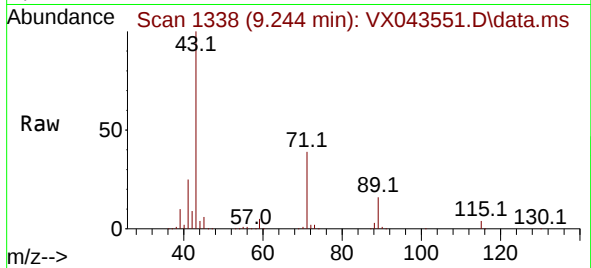




#56
Ethyl methacrylate
Concen: 0.251 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

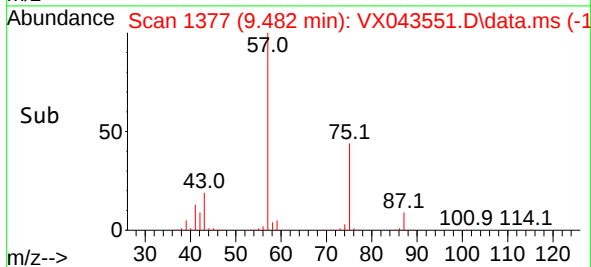
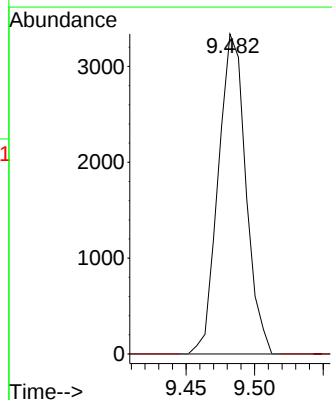
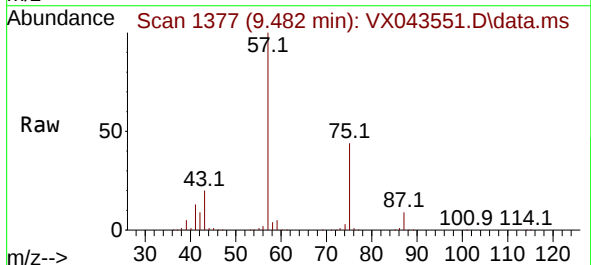
Instrument :
MSVOA_X
ClientSampleId :

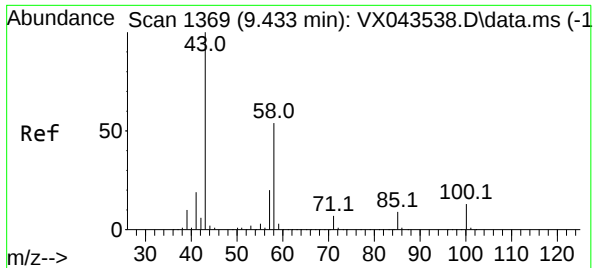
Tgt Ion: 69 Resp: 674
Ion Ratio Lower Upper
69 100
41 7161.7 53.8 80.8#
39 2856.1 29.9 44.9#



#57
1,3-Dichloropropane
Concen: 1.698 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 76 Resp: 4666
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

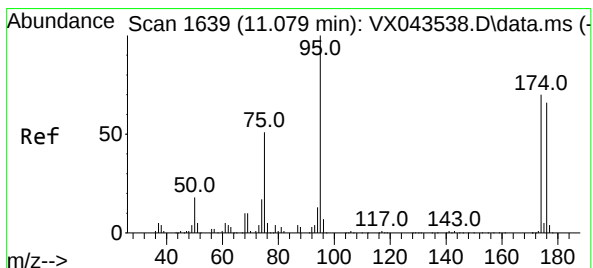
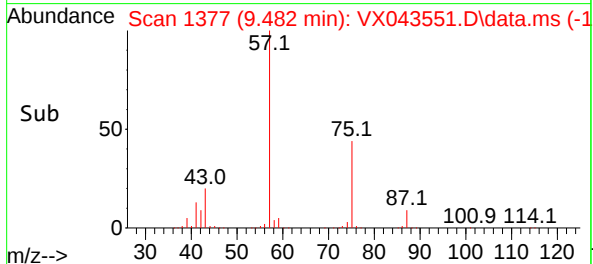
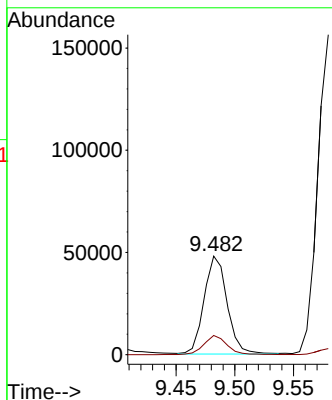
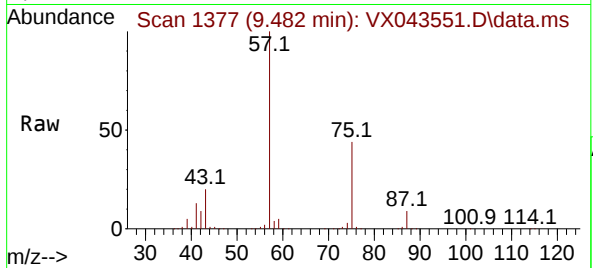




#59
2-Hexanone
Concen: 33.067 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

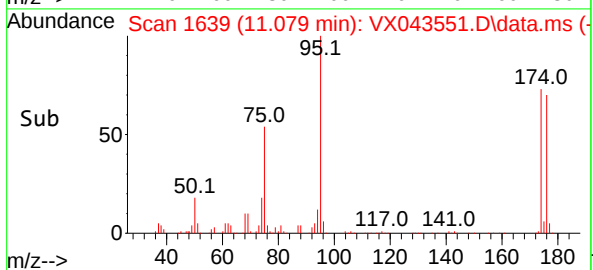
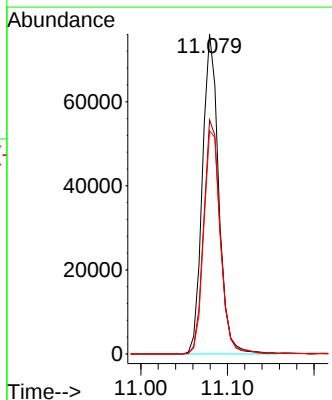
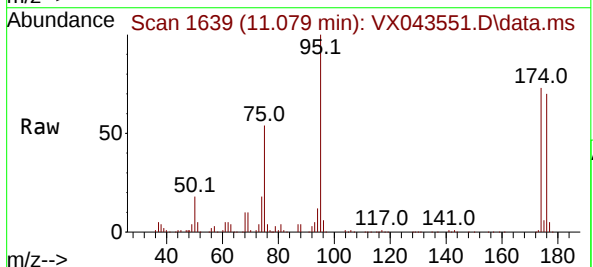
Instrument :
MSVOA_X
ClientSampleId :

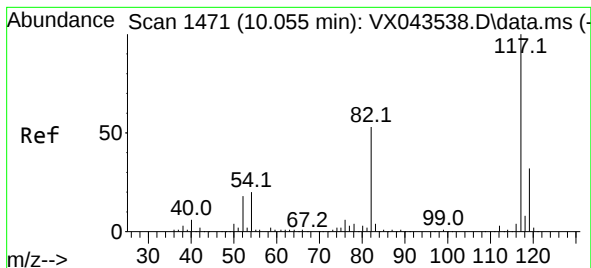
Tgt Ion: 43 Resp: 65467
Ion Ratio Lower Upper
43 100
58 20.1 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 48.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 95 Resp: 99605
Ion Ratio Lower Upper
95 100
174 74.2 0.0 146.6
176 72.0 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 14

Delta R.T. 0.000 min

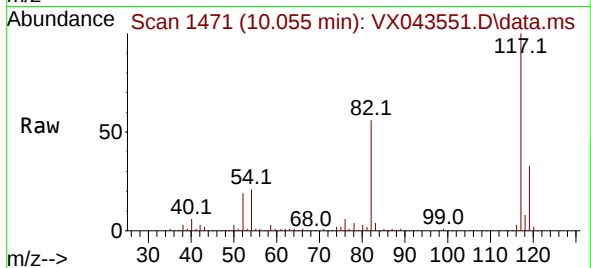
Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

Instrument :

MSVOA_X

ClientSampleId :



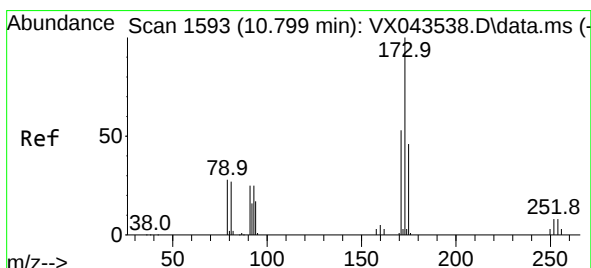
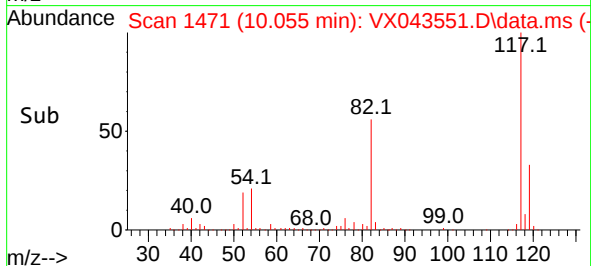
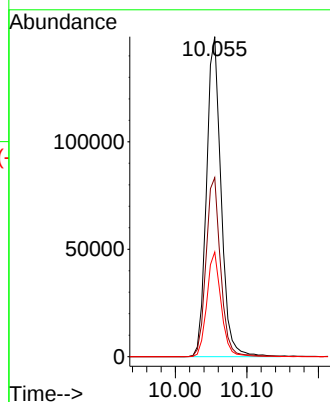
Tgt Ion:117 Resp: 210873

Ion Ratio Lower Upper

117 100

82 56.0 42.1 63.1

119 32.7 25.4 38.2



#71

Bromoform

Concen: 3.798 ug/l

RT: 10.805 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VX043551.D

Acq: 26 Oct 2024 05:34

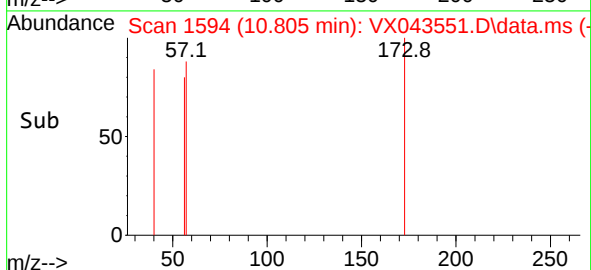
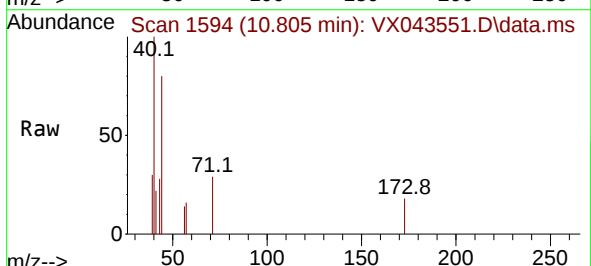
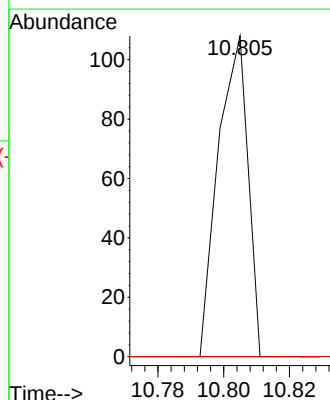
Tgt Ion:173 Resp: 68

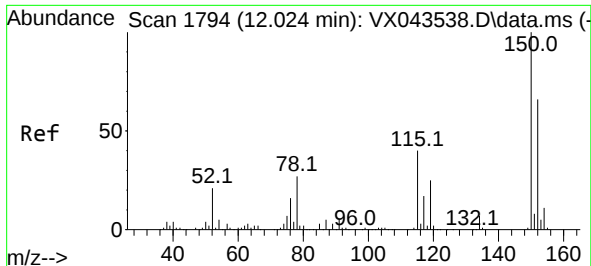
Ion Ratio Lower Upper

173 100

175 0.0 23.3 69.9#

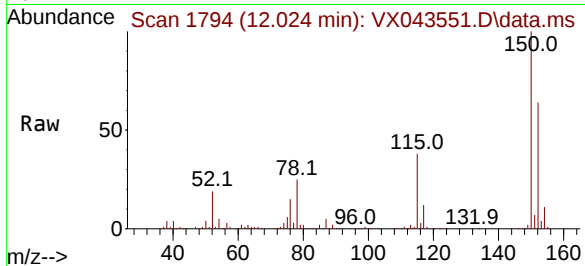
254 0.0 0.0 0.0



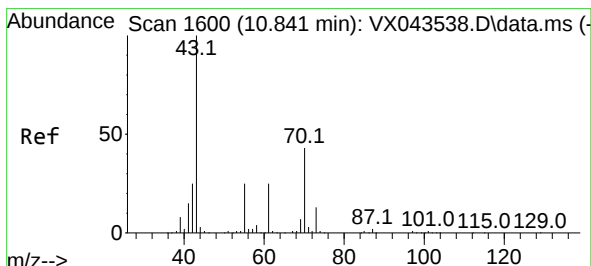
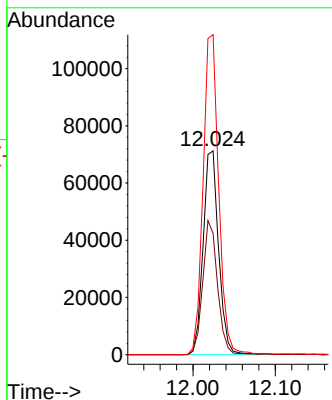
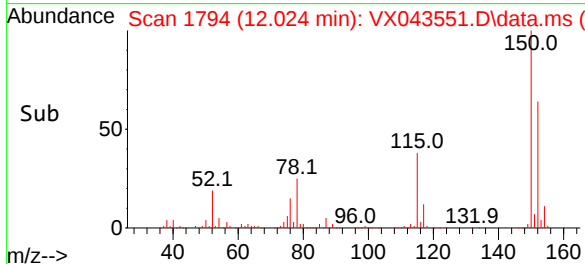


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

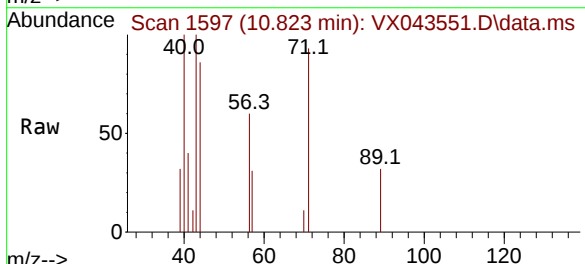
Instrument :
MSVOA_X
ClientSampleId :



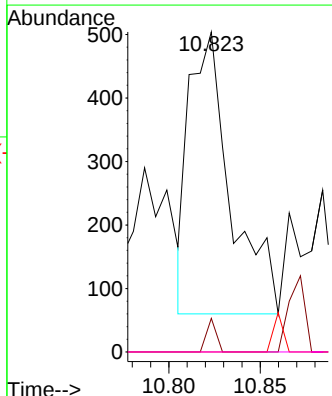
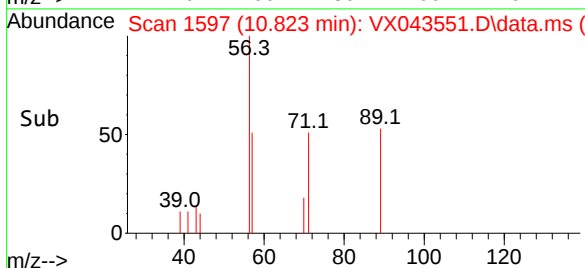
Tgt Ion:152 Resp: 93365
Ion Ratio Lower Upper
152 100
115 62.9 42.9 128.7
150 158.3 0.0 343.6

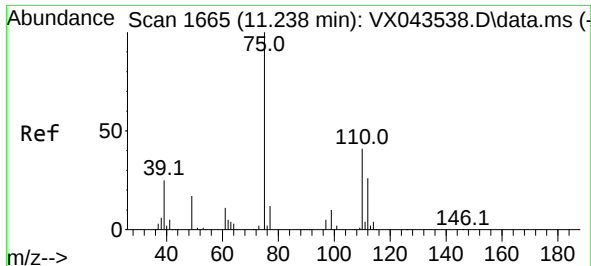


#74
N-ethyl acetate
Concen: 0.209 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34



Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
70 0.0 34.6 52.0#
55 0.0 19.6 29.4#
61 0.0 20.2 30.2#

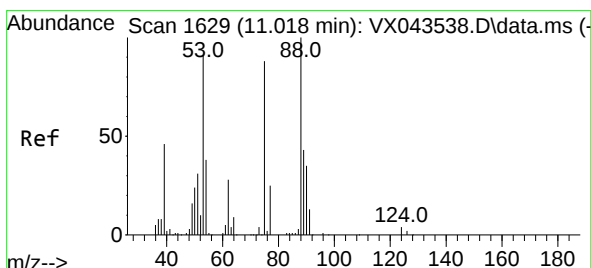
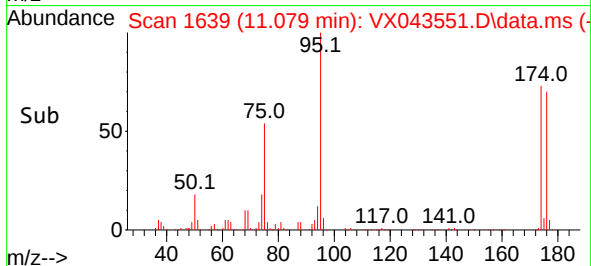
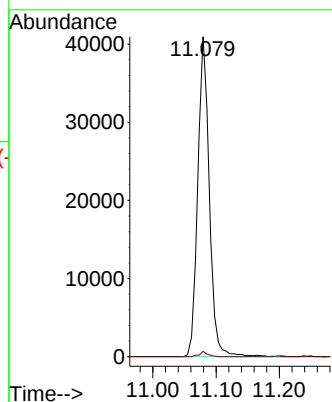
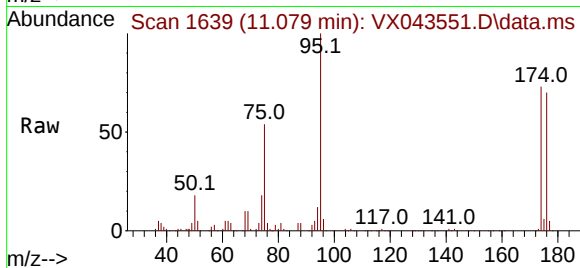




#76
1,2,3-Trichloropropane
Concen: 23.995 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 52080
Ion Ratio Lower Upper
75 100
77 1.1 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043551.D
Acq: 26 Oct 2024 05:34

Tgt Ion: 75 Resp: 52080
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

