

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102624\
 Data File : VX043550.D
 Acq On : 26 Oct 2024 05:11
 Operator : JC/MD
 Sample : P4508-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

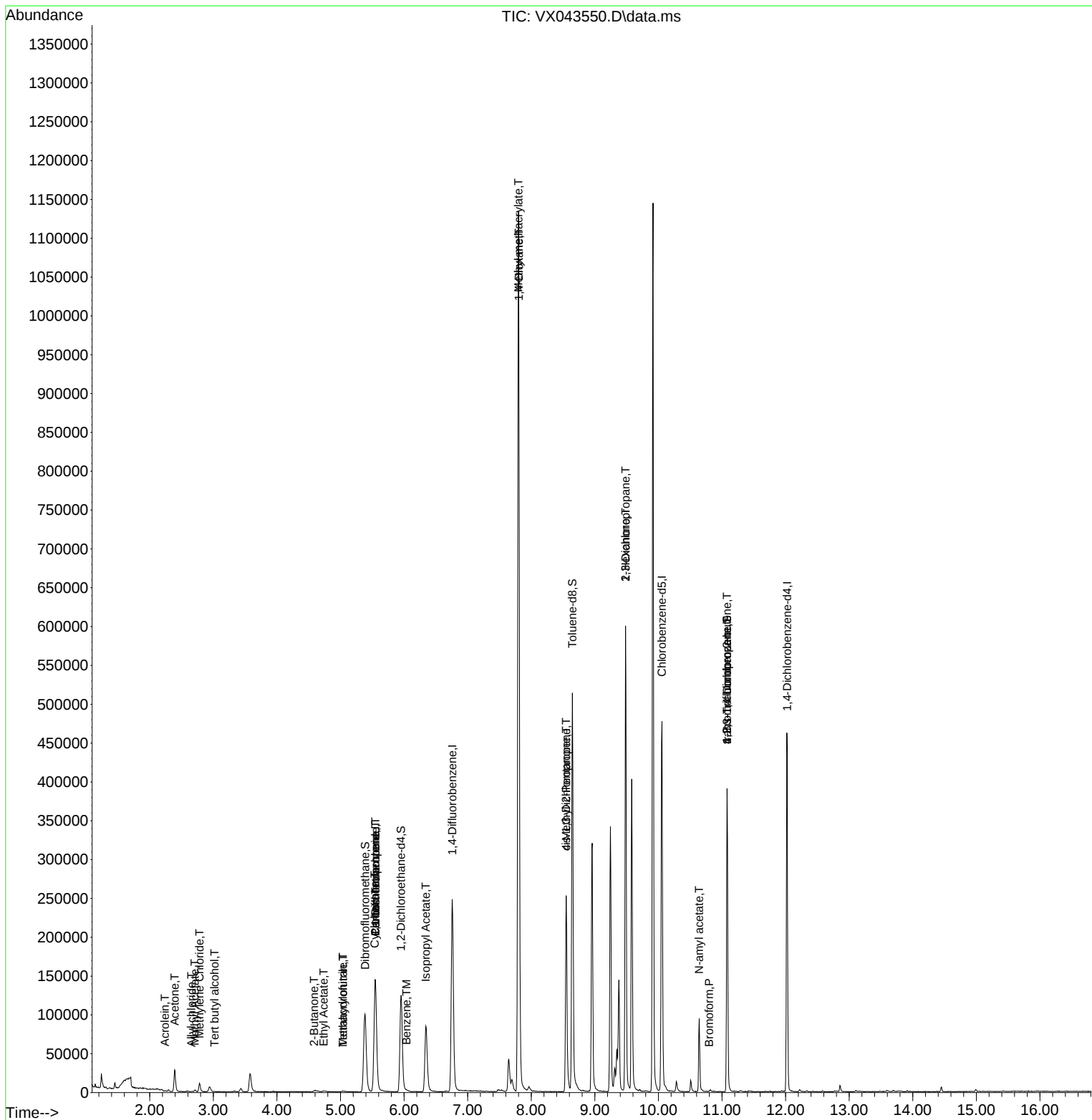
Quant Time: Oct 26 06:26:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102624W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 26 04:43:47 2024
 Response via : Initial Calibration

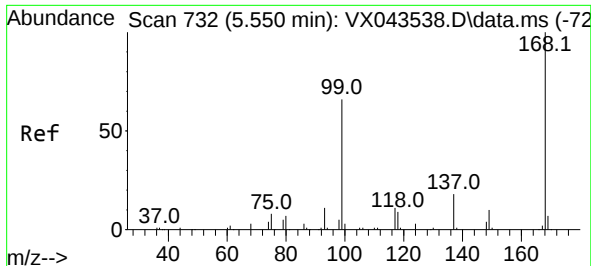
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	136655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	263136	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	124563	57.462	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.920%			
35) Dibromofluoromethane	5.385	113	90785	51.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.620%			
50) Toluene-d8	8.647	98	307746	50.655	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.300%			
62) 4-Bromofluorobenzene	11.079	95	110869	49.962	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.920%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.020	59	308	0.665	ug/l #	100
13) Acrolein	2.240	56	323	0.885	ug/l	90
14) Allyl chloride	2.654	41	519	0.203	ug/l #	25
16) Acetone	2.392	43	29990	32.411	ug/l	97
18) Methyl Acetate	2.709	43	3039	1.093	ug/l	92
20) Methylene Chloride	2.782	84	5173	2.861	ug/l	91
25) 2-Butanone	4.587	43	3431	2.441	ug/l	99
29) Tetrahydrofuran	5.038	42	885	0.964	ug/l #	66
31) Cyclohexane	5.538	56	2874	1.216	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	11381	5.488	ug/l #	50
37) Ethyl Acetate	4.733	43	1924	0.680	ug/l #	94
38) Carbon Tetrachloride	5.550	117	14353	6.091	ug/l #	16
40) Benzene	6.038	78	2359	0.340	ug/l #	73
41) Methacrylonitrile	5.038	41	672	0.472	ug/l #	32
43) Isopropyl Acetate	6.342	43	124611	27.834	ug/l	99
48) Methyl methacrylate	7.799	41	100124	47.903	ug/l #	42
49) 1,4-Dioxane	7.806	88	131	2.439	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	92492	32.605	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	44493	17.354	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	5170	1.736	ug/l #	42
59) 2-Hexanone	9.482	43	73034	34.049	ug/l #	51
71) Bromoform	10.799	173	41	3.775	ug/l #	30
74) N-amyl acetate	10.640	43	23500	6.904	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	55743	25.363	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	55743	67.694	ug/l #	7

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

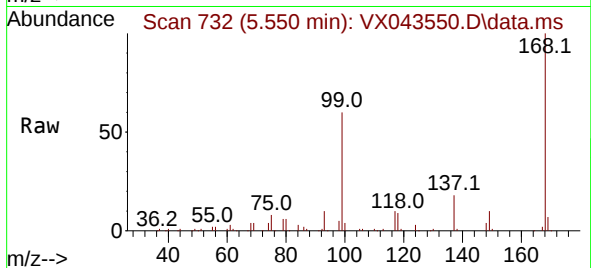
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102624W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 26 04:43:47 2024
Response via : Initial Calibration



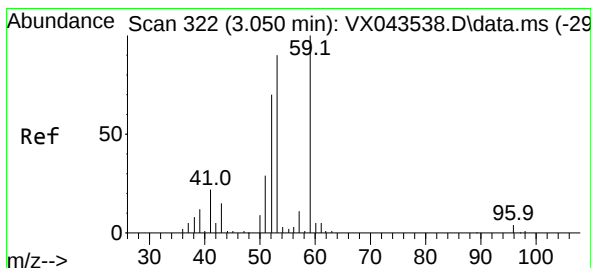
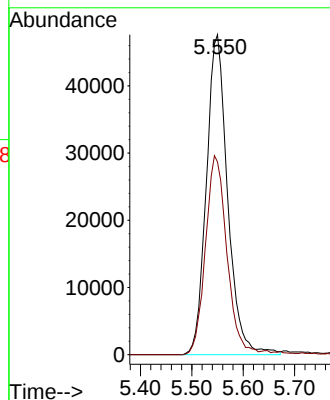
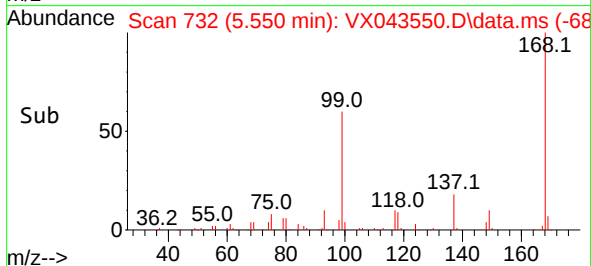


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Instrument :
MSVOA_X
ClientSampleId :

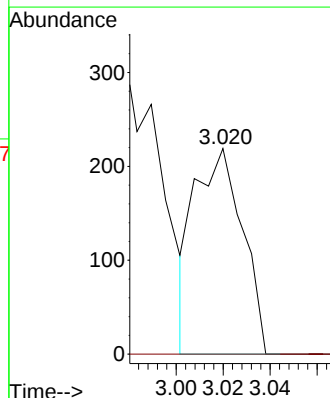
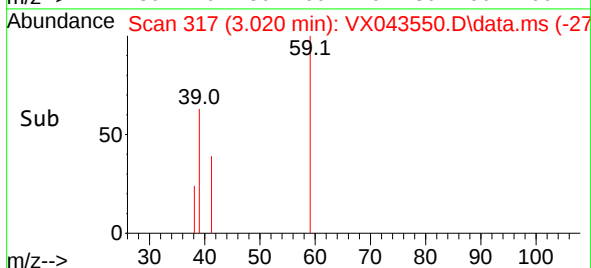
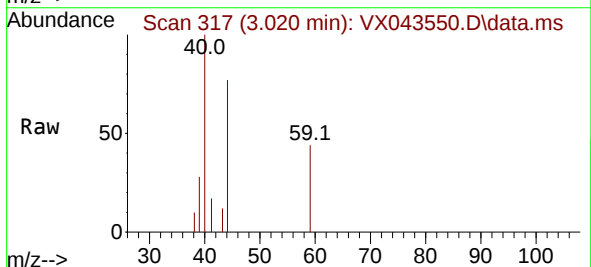


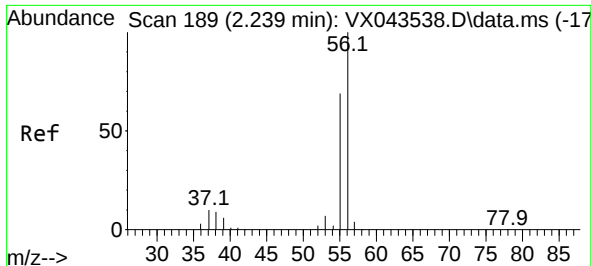
Tgt Ion:168 Resp: 136655
Ion Ratio Lower Upper
168 100
99 60.3 52.6 78.8



#11
Tert butyl alcohol
Concen: 0.665 ug/l
RT: 3.020 min Scan# 317
Delta R.T. -0.030 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

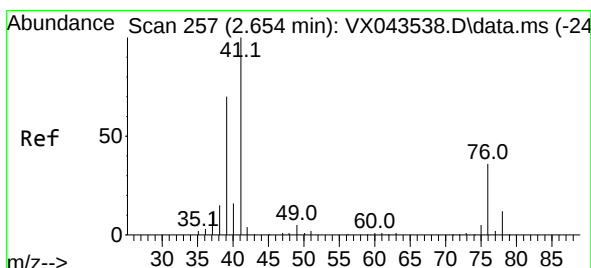
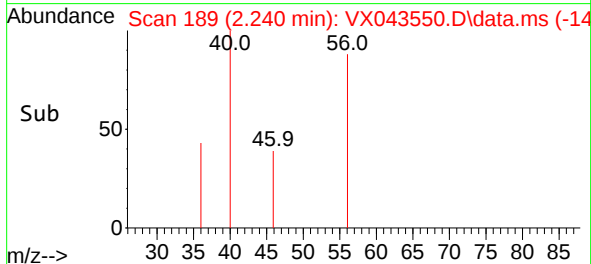
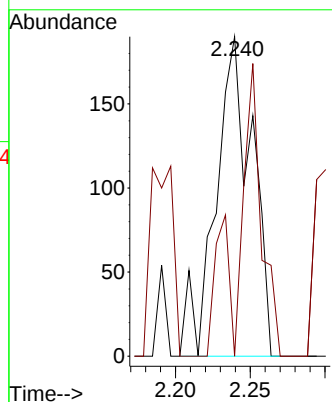
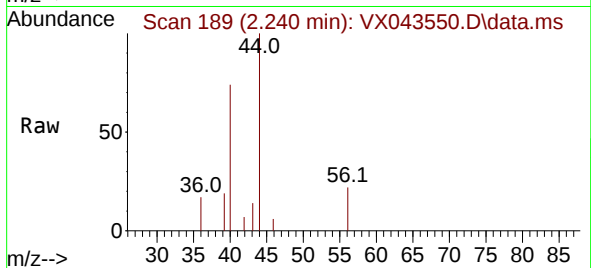




#13
Acrolein
Concen: 0.885 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

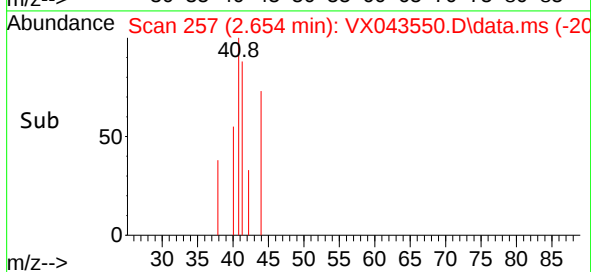
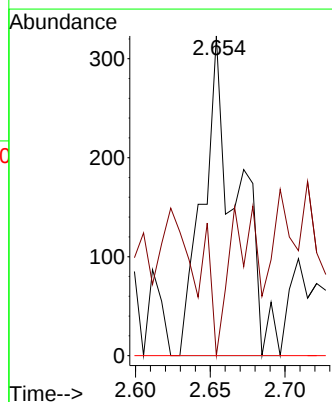
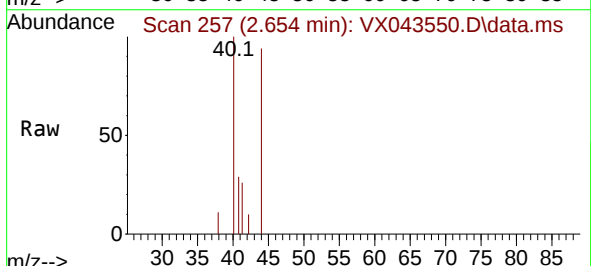
Instrument :
MSVOA_X
ClientSampleId :

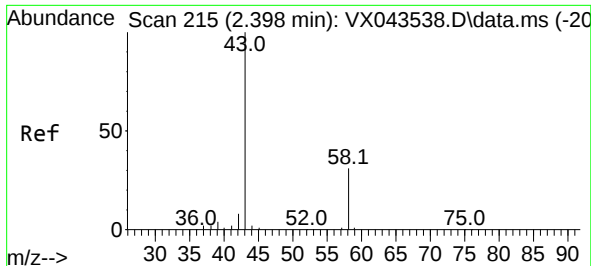
Tgt Ion: 56 Resp: 323
Ion Ratio Lower Upper
56 100
55 60.7 55.3 82.9



#14
Allyl chloride
Concen: 0.203 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Tgt Ion: 41 Resp: 519
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 27.0 40.6#

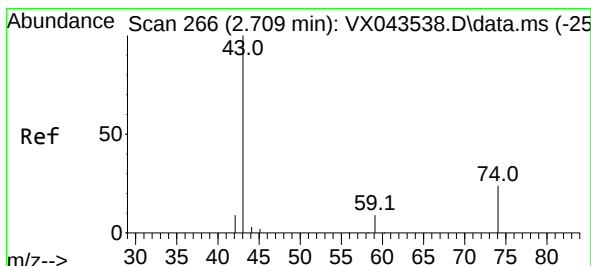
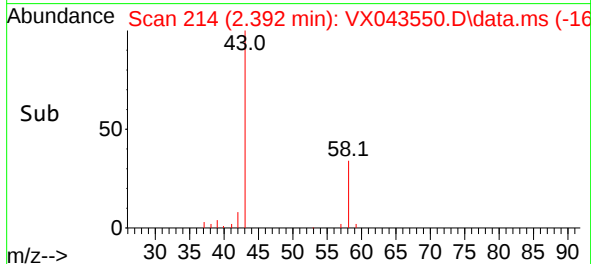
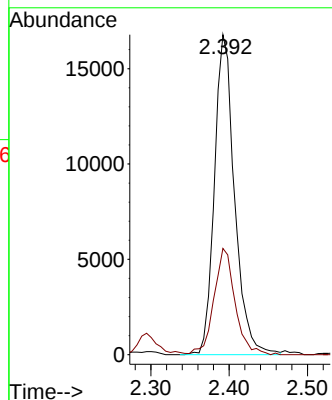
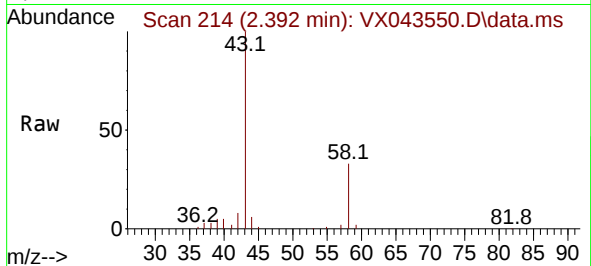




#16
Acetone
Concen: 32.411 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

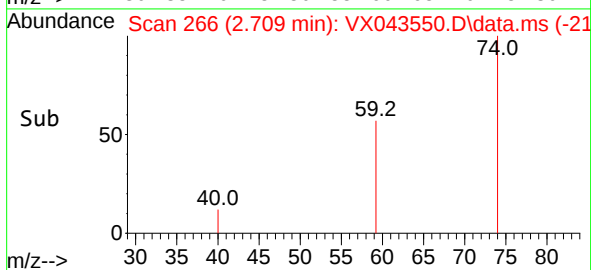
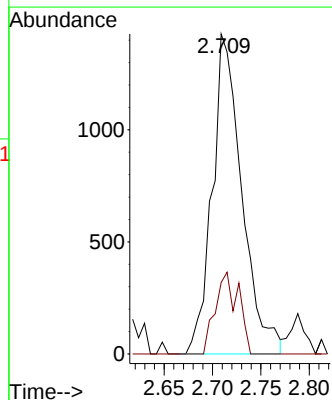
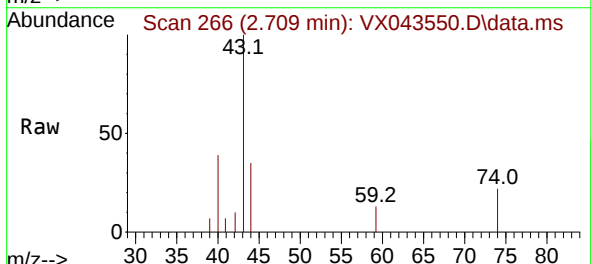
Instrument :
MSVOA_X
ClientSampleId :

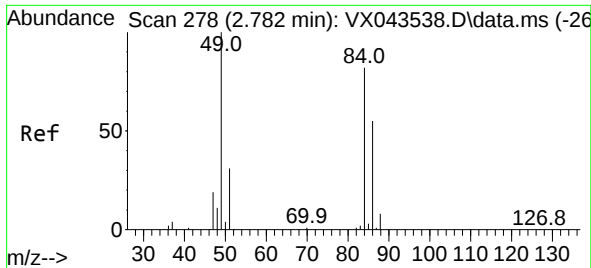
Tgt Ion: 43 Resp: 29990
Ion Ratio Lower Upper
43 100
58 33.2 25.1 37.7



#18
Methyl Acetate
Concen: 1.093 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

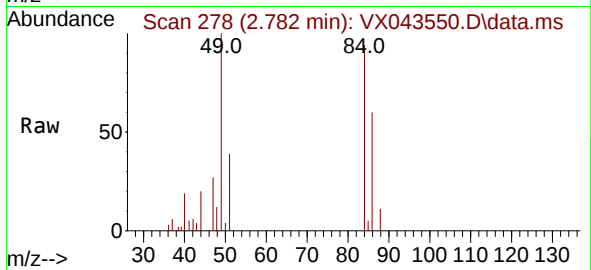
Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
74 19.9 19.1 28.7



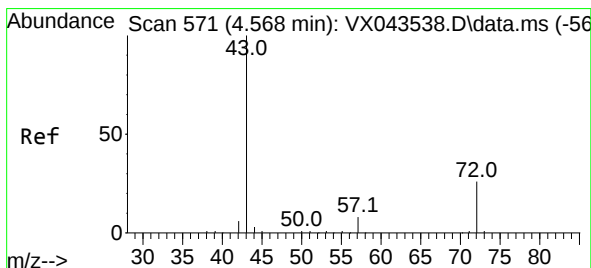
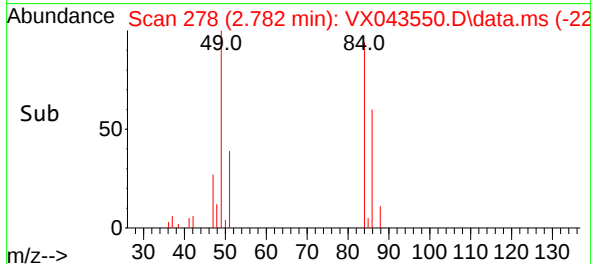
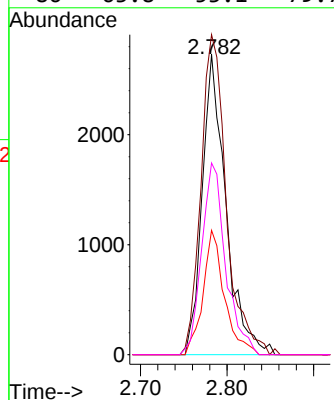


#20
Methylene Chloride
Concen: 2.861 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Instrument :
MSVOA_X
ClientSampleId :

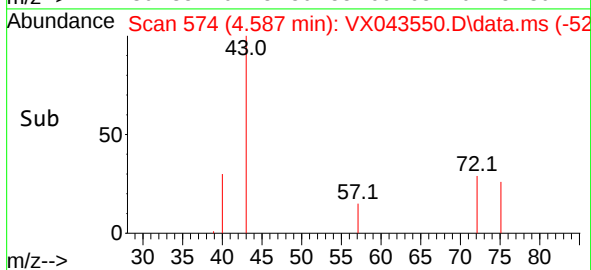
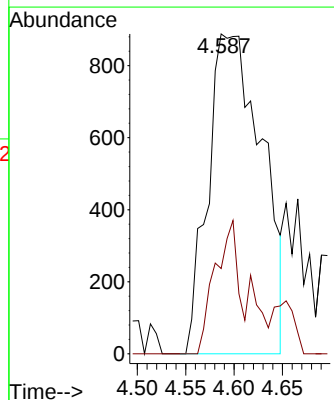
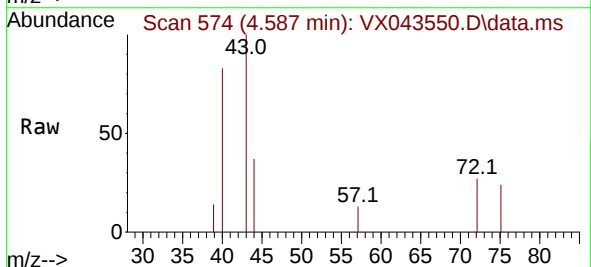


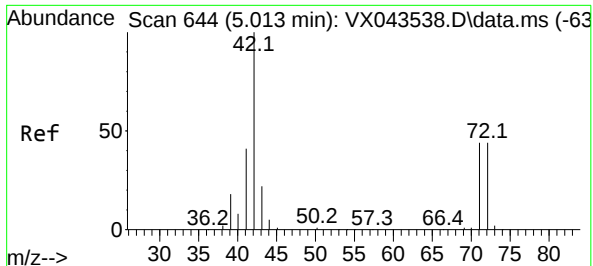
Tgt Ion	84	Resp:	5173
Ion	Ratio	Lower	Upper
84	100		
49	106.6	97.0	145.6
51	41.4	29.8	44.8
86	63.8	53.1	79.7



#25
2-Butanone
Concen: 2.441 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Tgt Ion	43	Resp:	3431
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.964 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

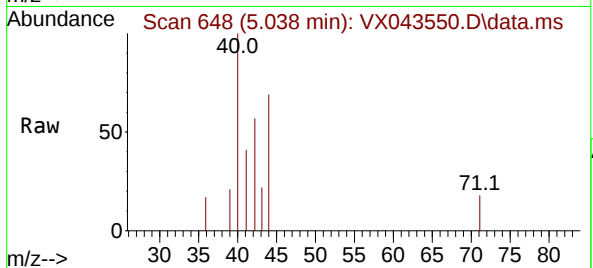
Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

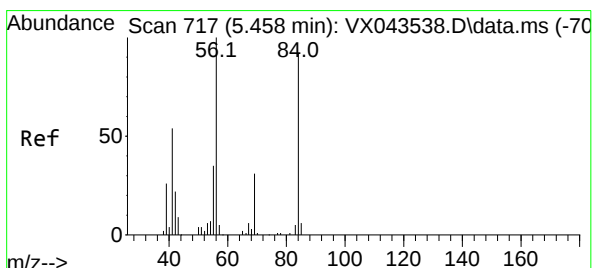
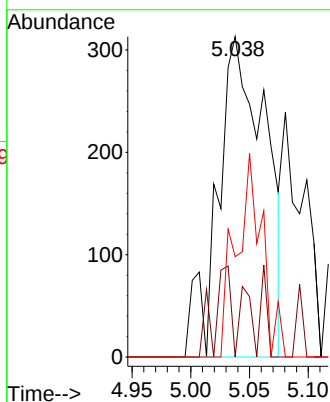
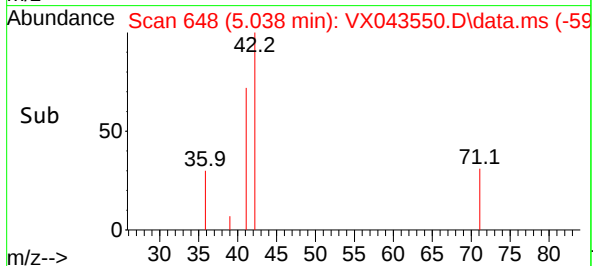
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	885
Ion	Ratio	Lower	Upper
42	100		
72	9.9	36.6	55.0#
71	34.5	34.2	51.4



#31

Cyclohexane

Concen: 1.216 ug/l

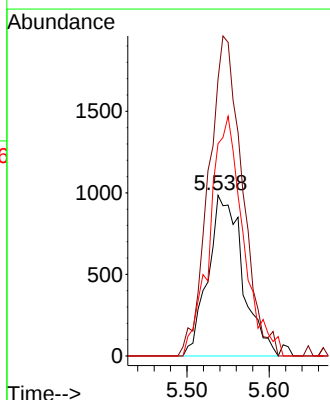
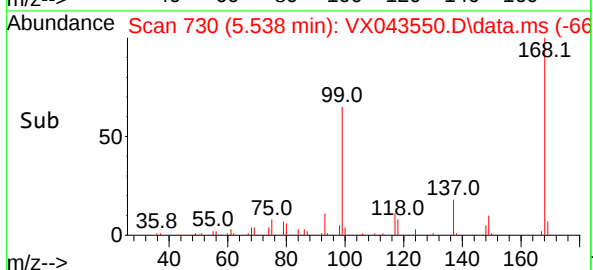
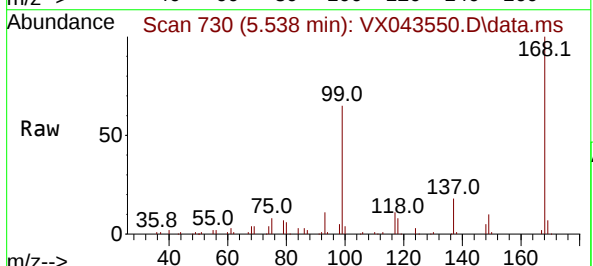
RT: 5.538 min Scan# 730

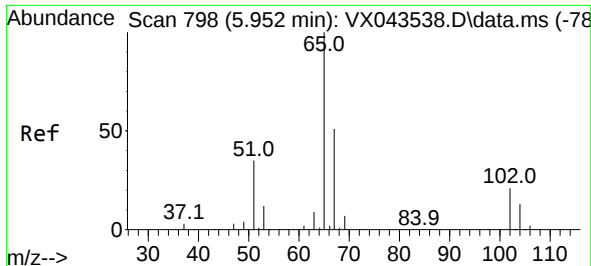
Delta R.T. 0.080 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Tgt Ion:	56	Resp:	2874
Ion	Ratio	Lower	Upper
56	100		
69	172.3	24.9	37.3#
84	132.2	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 57.462 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Instrument :

MSVOA_X

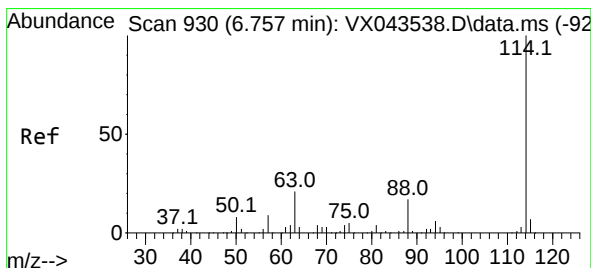
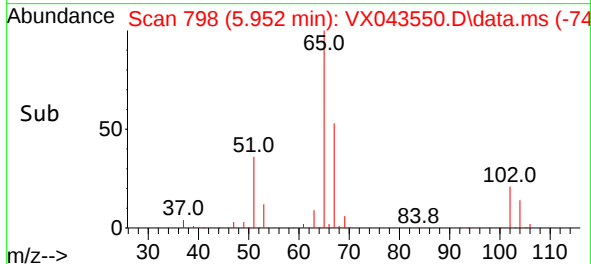
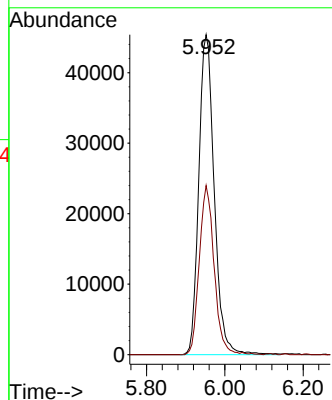
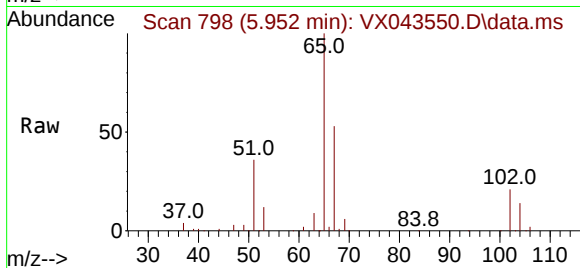
ClientSampleId :

Tgt Ion: 65 Resp: 124563

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

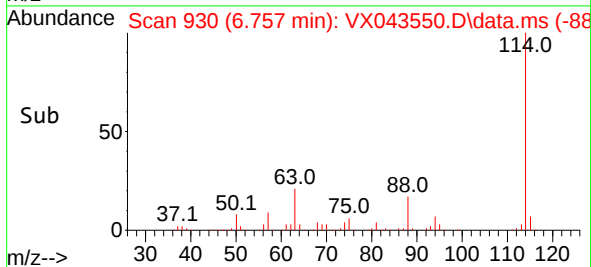
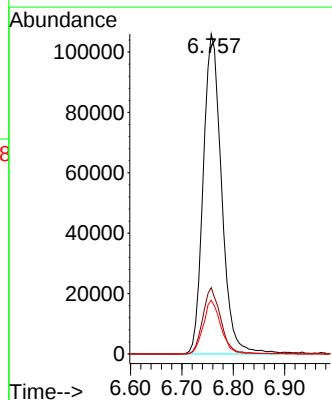
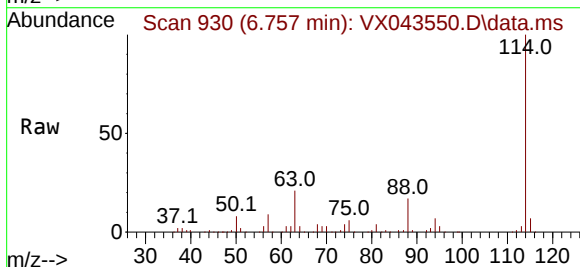
Tgt Ion: 114 Resp: 263136

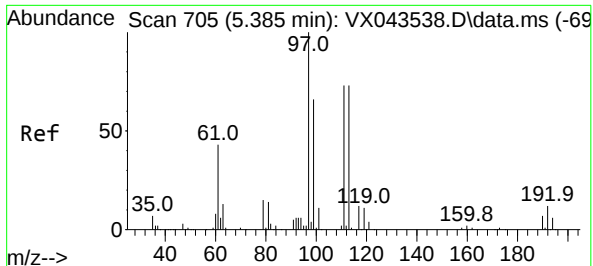
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

88 16.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.814 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

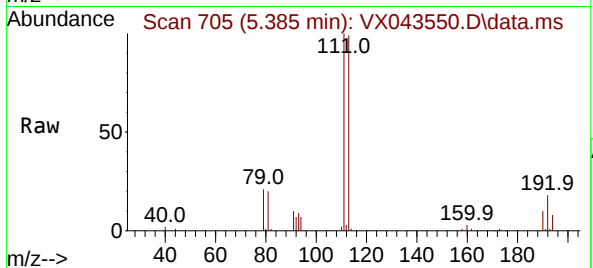
Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Instrument :

MSVOA_X

ClientSampleId :



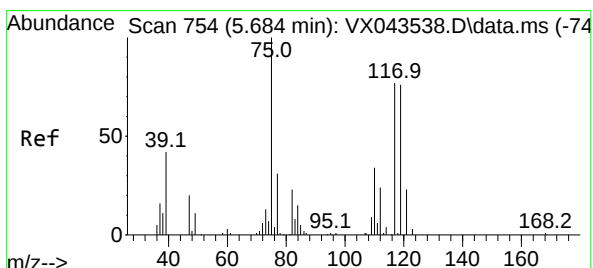
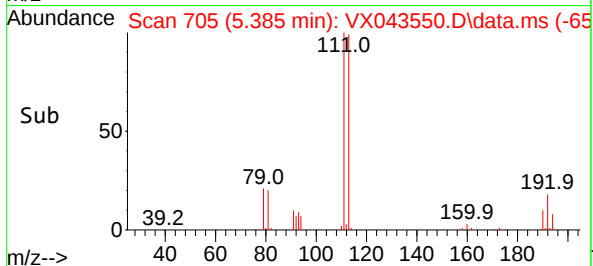
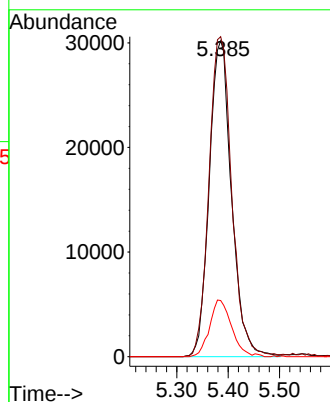
Tgt Ion:113 Resp: 90785

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 17.5 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.488 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

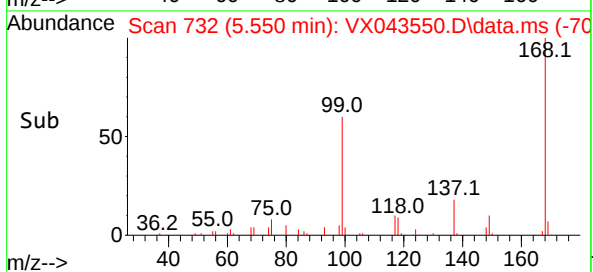
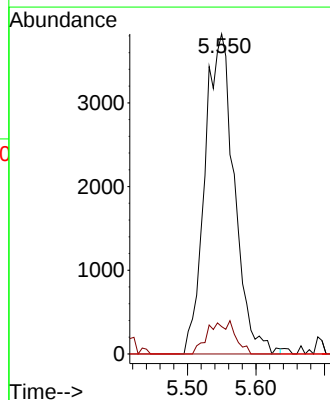
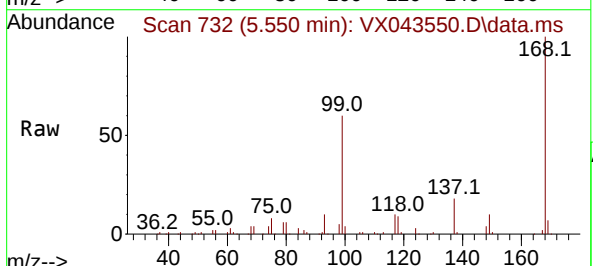
Tgt Ion: 75 Resp: 11381

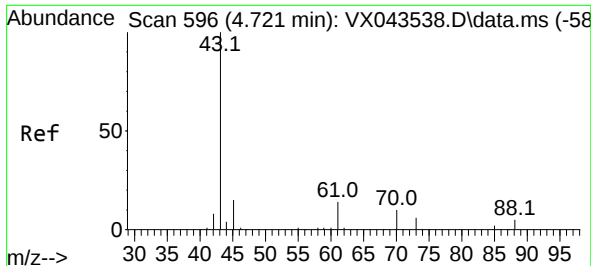
Ion Ratio Lower Upper

75 100

110 9.5 17.9 53.7#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.680 ug/l

RT: 4.733 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX043550.D

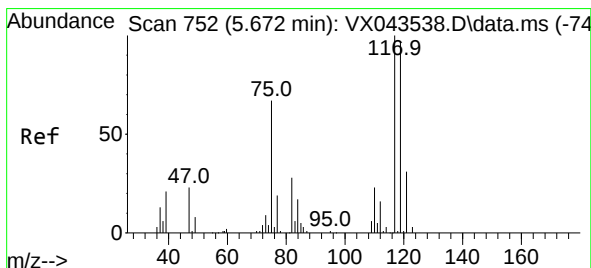
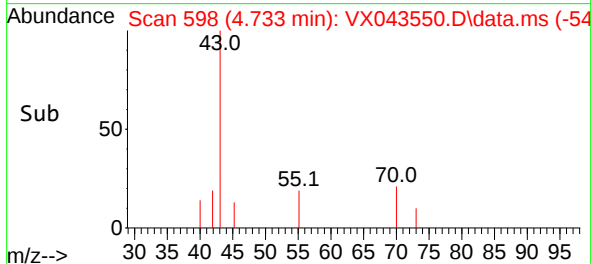
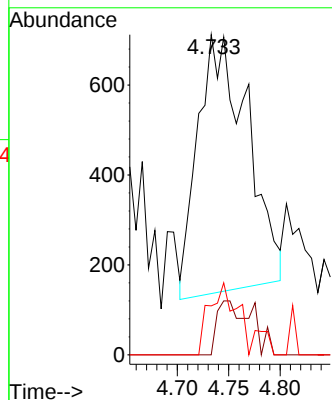
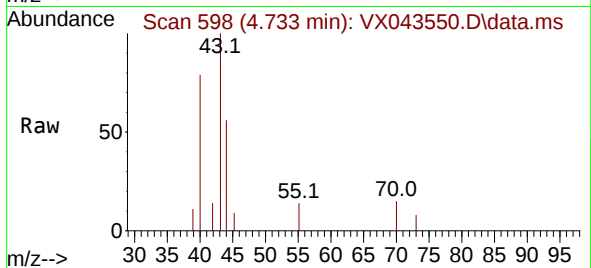
Acq: 26 Oct 2024 05:11

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	1924
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	15.3	8.9	13.3



#38

Carbon Tetrachloride

Concen: 6.091 ug/l

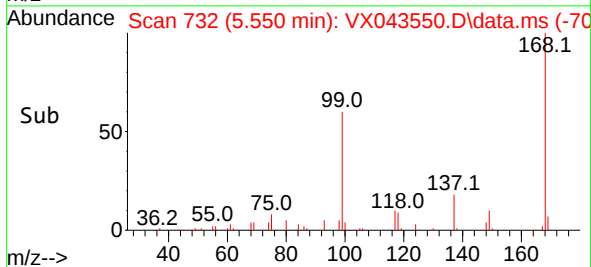
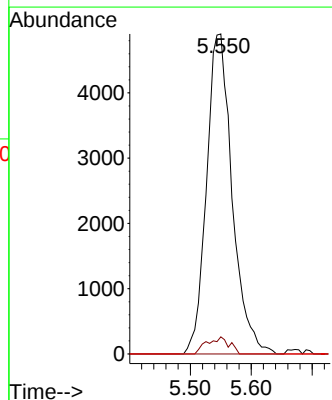
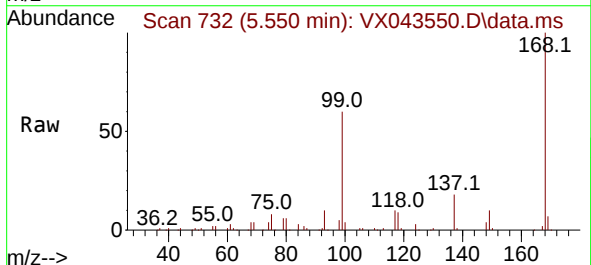
RT: 5.550 min Scan# 732

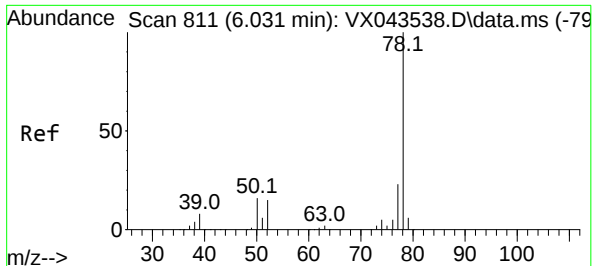
Delta R.T. -0.122 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Tgt Ion:	117	Resp:	14353
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.0	115.6
121	0.0	24.7	37.1





#40

Benzene

Concen: 0.340 ug/l

RT: 6.038 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Instrument :

MSVOA_X

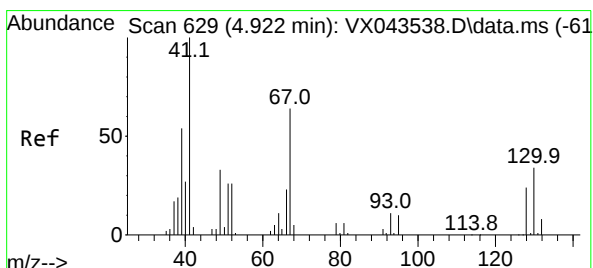
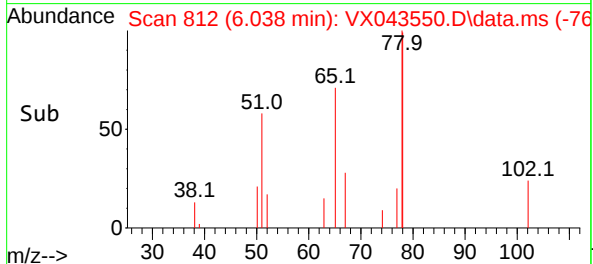
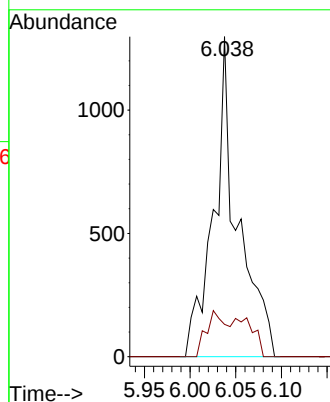
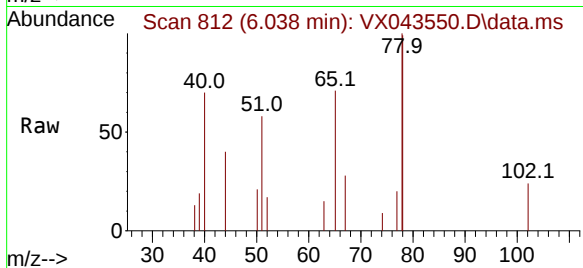
ClientSampleId :

Tgt Ion: 78 Resp: 2359

Ion Ratio Lower Upper

78 100

77 10.1 18.4 27.6#



#41

Methacrylonitrile

Concen: 0.472 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.116 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Tgt Ion: 41 Resp: 672

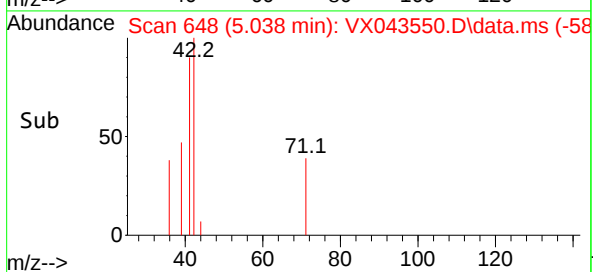
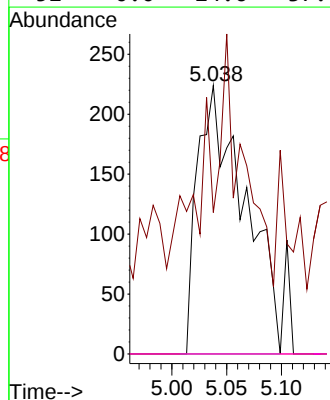
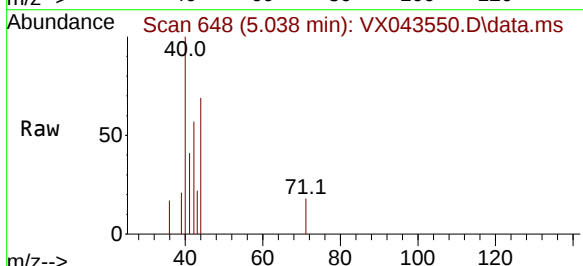
Ion Ratio Lower Upper

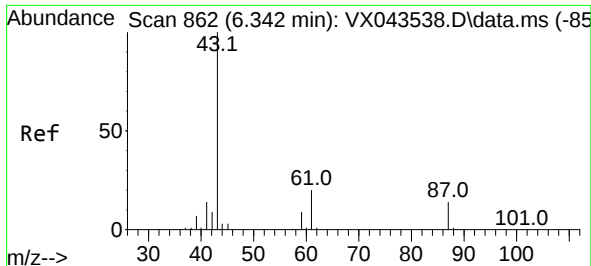
41 100

39 89.7 43.5 65.3#

67 0.0 58.3 87.5#

52 0.0 24.6 37.0#

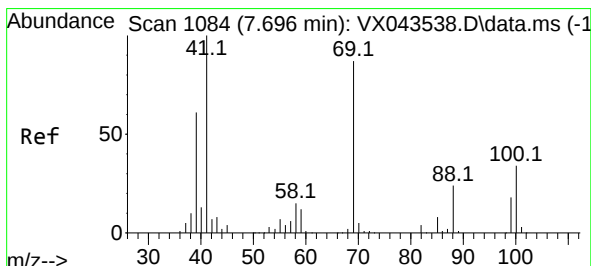
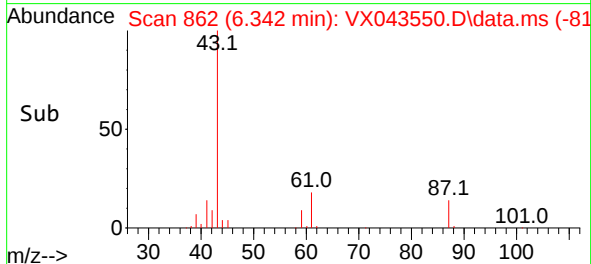
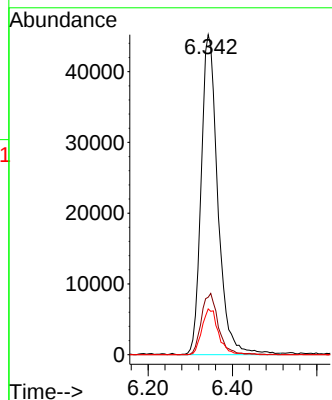
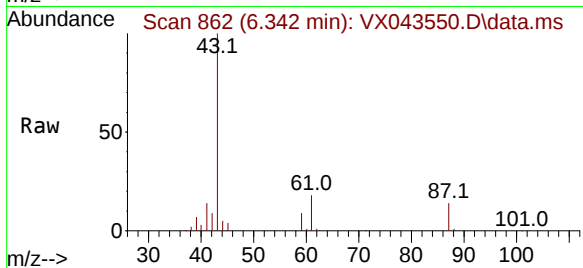




#43
Isopropyl Acetate
Concen: 27.834 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

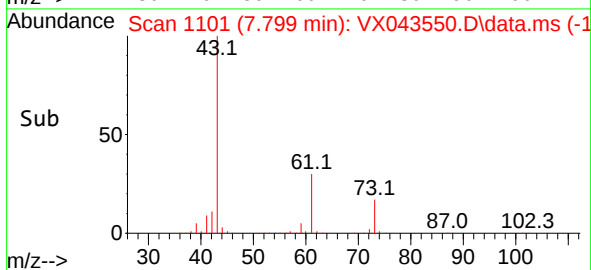
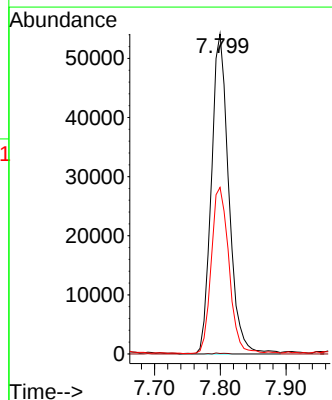
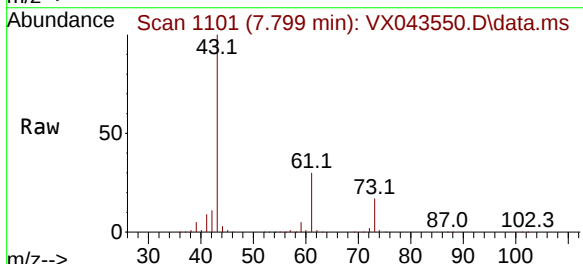
Instrument :
MSVOA_X
ClientSampleId :

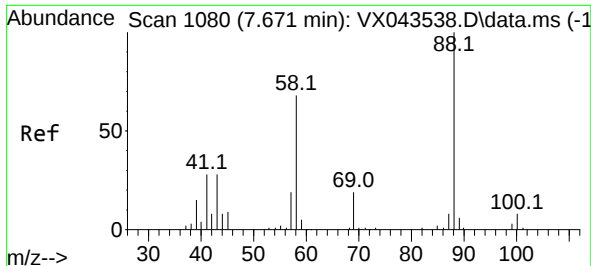
Tgt Ion: 43 Resp: 124611
Ion Ratio Lower Upper
43 100
61 19.5 16.2 24.4
87 14.0 11.0 16.6



#48
Methyl methacrylate
Concen: 47.903 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

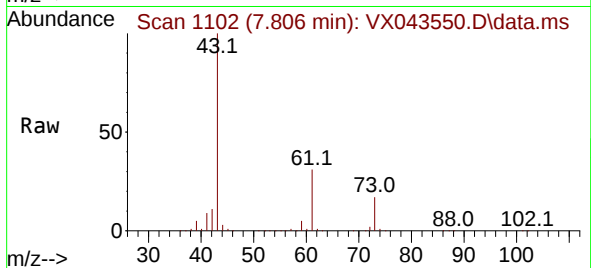
Tgt Ion: 41 Resp: 100124
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 52.5 46.3 69.5



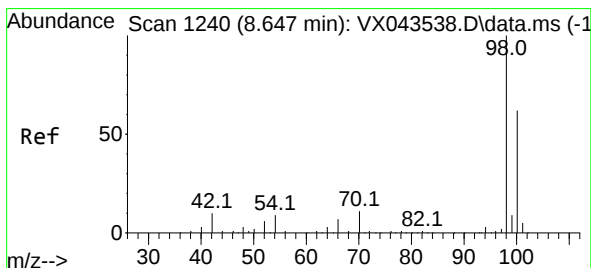
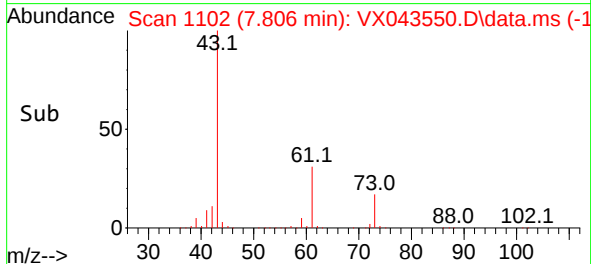
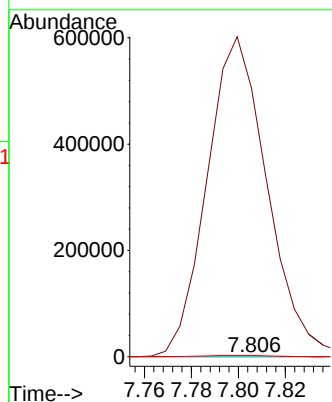


#49
1,4-Dioxane
Concen: 2.439 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Instrument :
MSVOA_X
ClientSampleId :

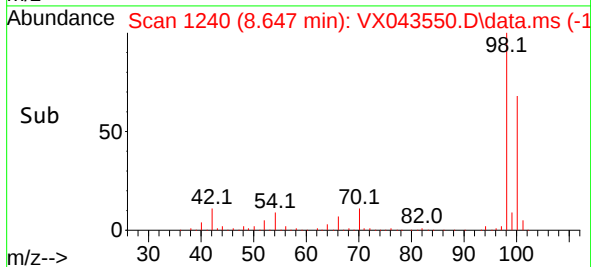
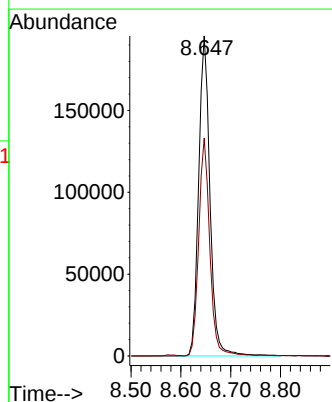
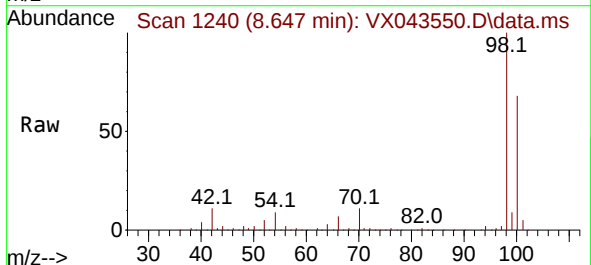


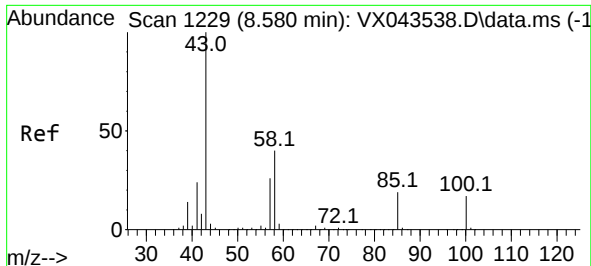
Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 829693.9 25.3 37.9#
58 3738.9 53.9 80.9#



#50
Toluene-d8
Concen: 50.655 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Tgt Ion: 98 Resp: 307746
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2

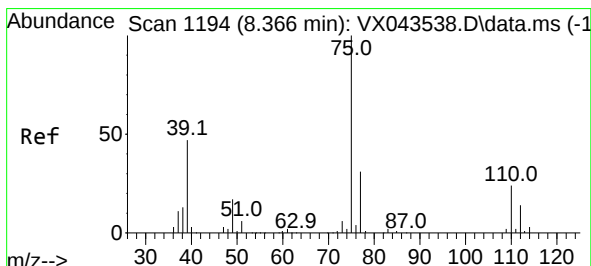
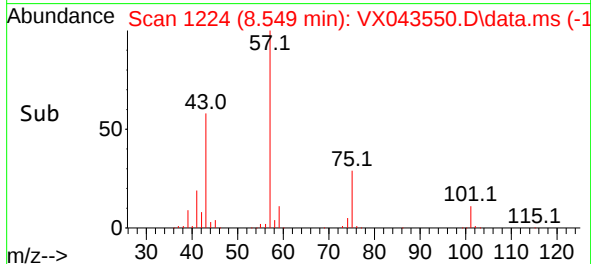
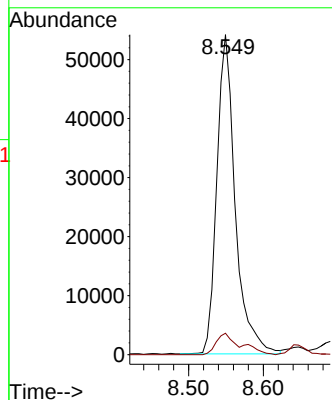
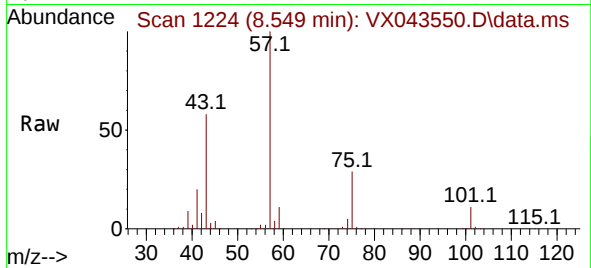




#51
4-Methyl-2-Pentanone
Concen: 32.605 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

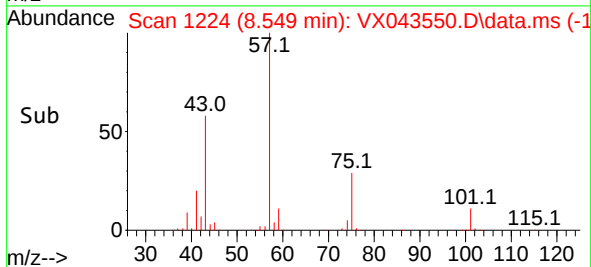
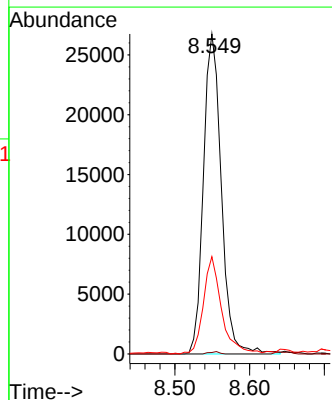
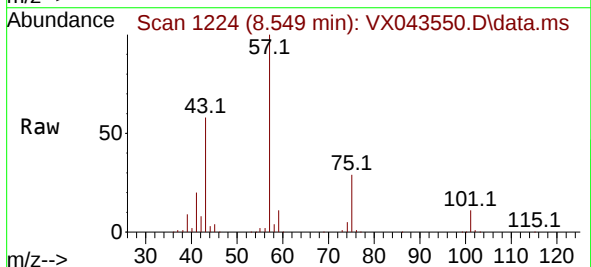
Instrument :
MSVOA_X
ClientSampleId :

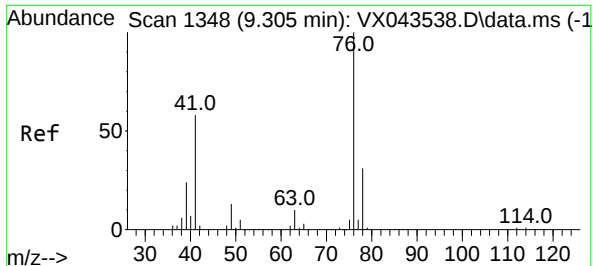
Tgt Ion: 43 Resp: 92492
Ion Ratio Lower Upper
43 100
58 6.3 31.7 47.5#



#54
cis-1,3-Dichloropropene
Concen: 17.354 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Tgt Ion: 75 Resp: 44493
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 30.4 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 1.736 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Instrument :

MSVOA_X

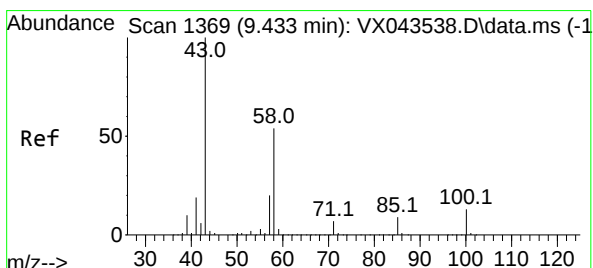
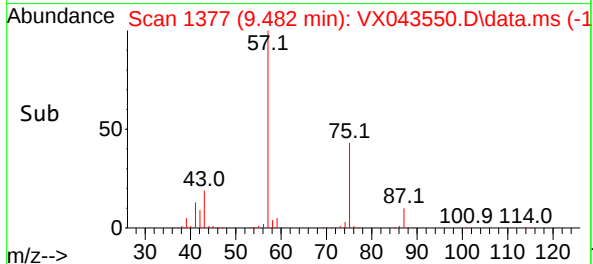
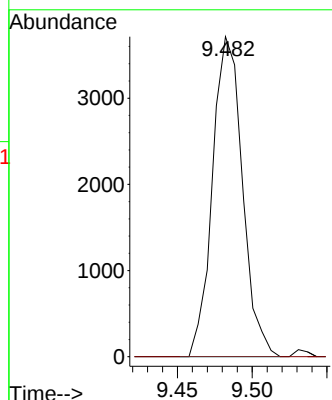
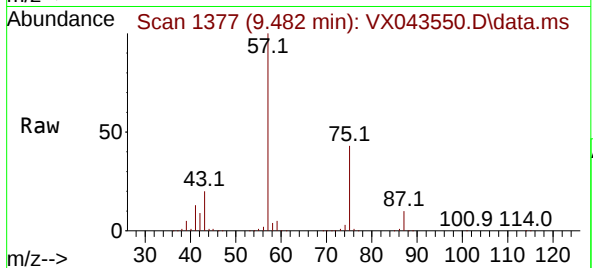
ClientSampleId :

Tgt Ion: 76 Resp: 5170

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 34.049 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043550.D

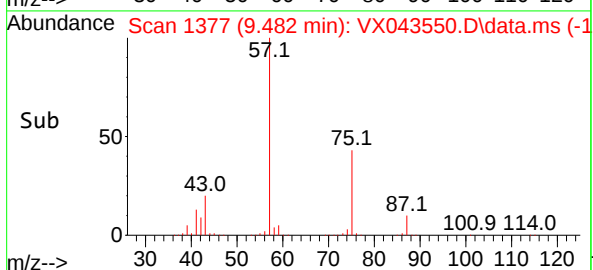
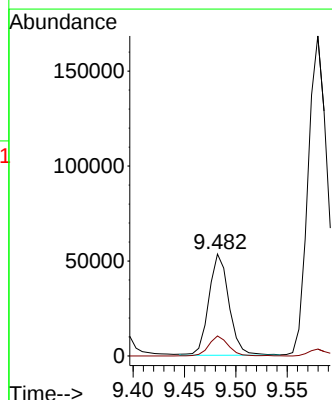
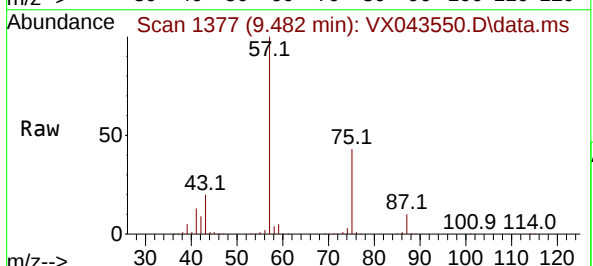
Acq: 26 Oct 2024 05:11

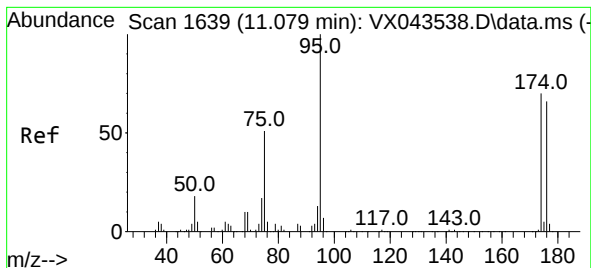
Tgt Ion: 43 Resp: 73034

Ion Ratio Lower Upper

43 100

58 19.4 27.5 82.5#

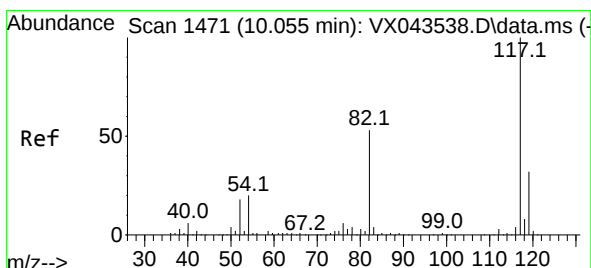
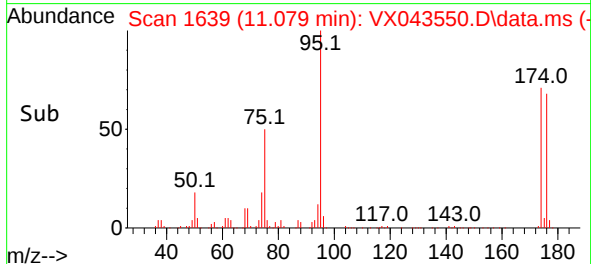
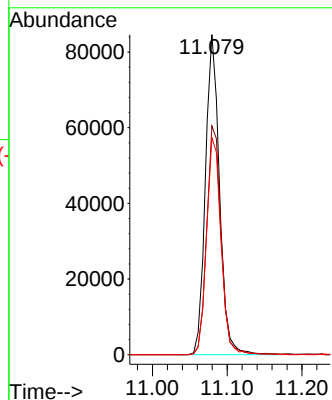
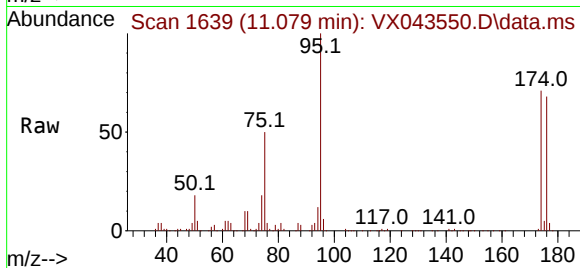




#62
4-Bromofluorobenzene
Concen: 49.962 ug/l
RT: 11.079 min Scan# 110869
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

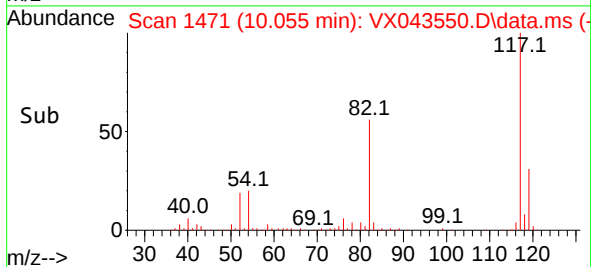
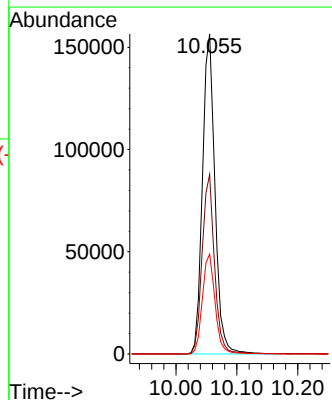
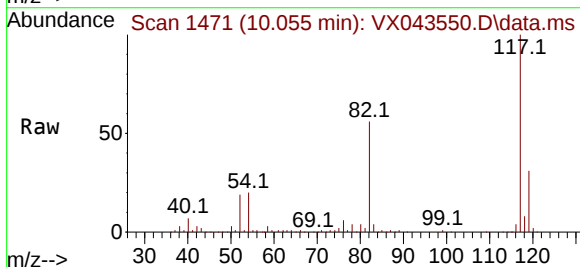
Instrument :
MSVOA_X
ClientSampleId :

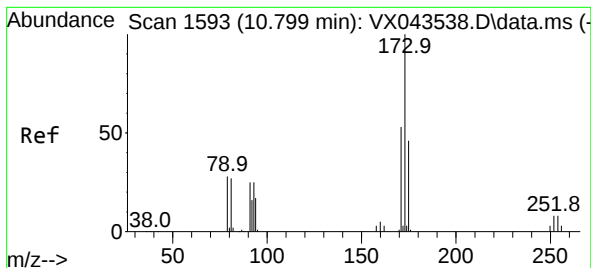
Tgt Ion: 95 Resp: 110869
Ion Ratio Lower Upper
95 100
174 73.3 0.0 146.6
176 69.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Tgt Ion: 117 Resp: 222828
Ion Ratio Lower Upper
117 100
82 56.1 42.1 63.1
119 31.2 25.4 38.2





#71

Bromoform

Concen: 3.775 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

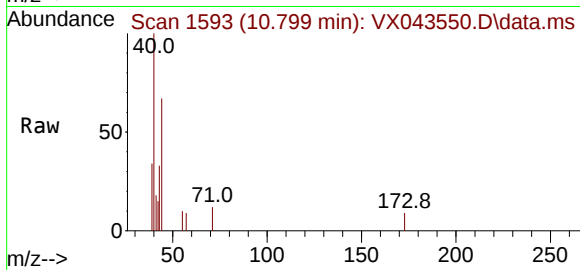
Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

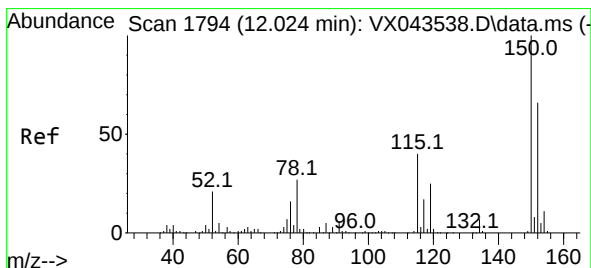
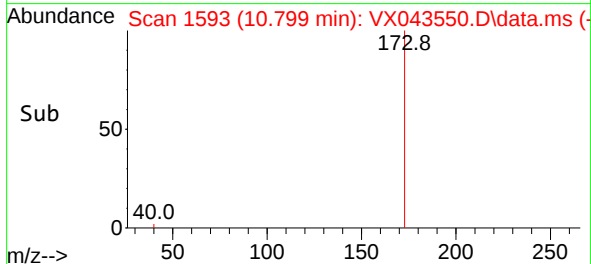
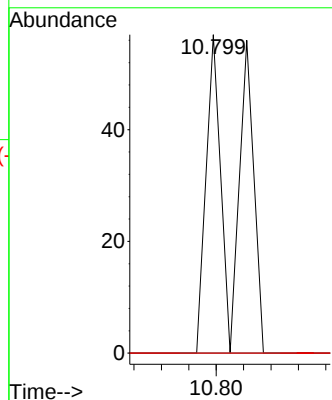
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	41
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

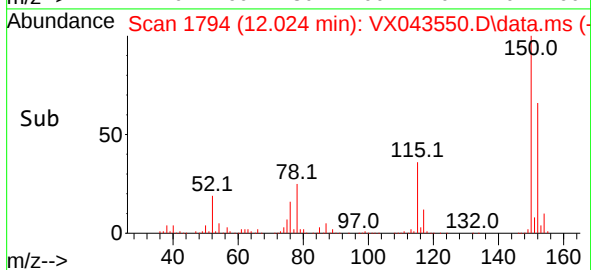
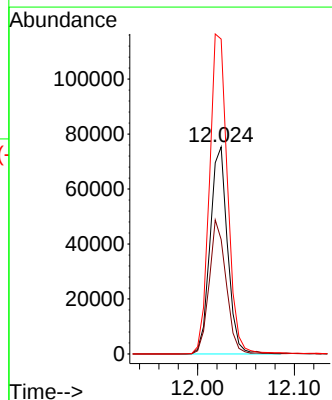
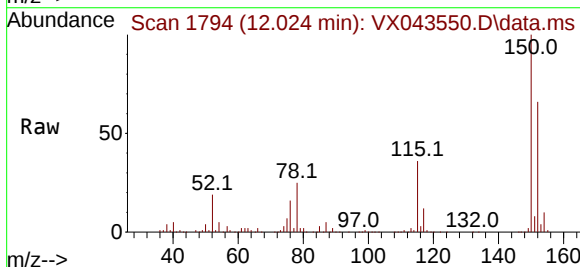
RT: 12.024 min Scan# 1794

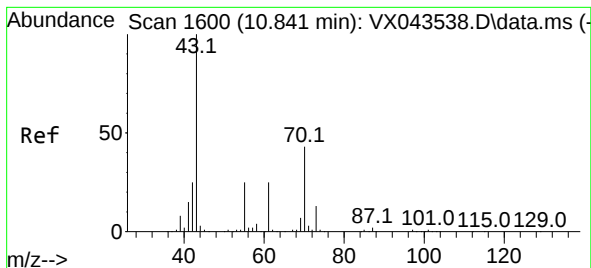
Delta R.T. 0.000 min

Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Tgt Ion:	152	Resp:	94542
Ion Ratio	Lower	Upper	
152	100		
115	62.8	42.9	128.7
150	160.7	0.0	343.6





#74

N-amy1 acetate

Concen: 6.904 ug/l

RT: 10.640 min Scan# 1639

Delta R.T. -0.201 min

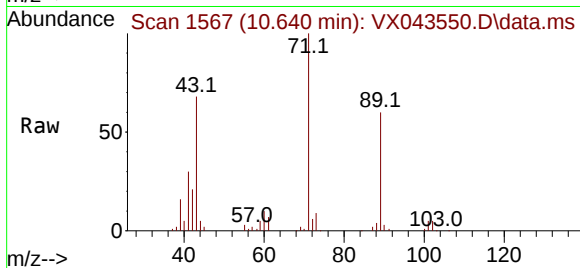
Lab File: VX043550.D

Acq: 26 Oct 2024 05:11

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 23500

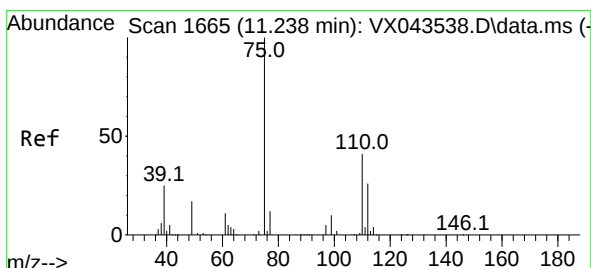
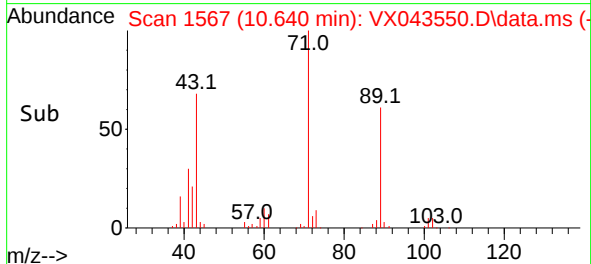
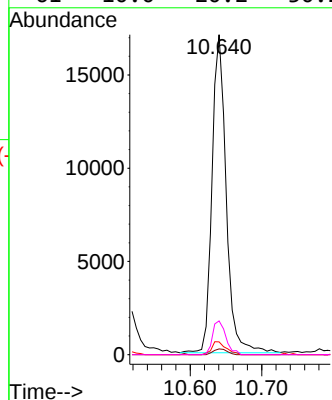
Ion Ratio Lower Upper

43 100

70 1.8 34.6 52.0#

55 4.1 19.6 29.4#

61 10.0 20.2 30.2#



#76

1,2,3-Trichloropropane

Concen: 25.363 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043550.D

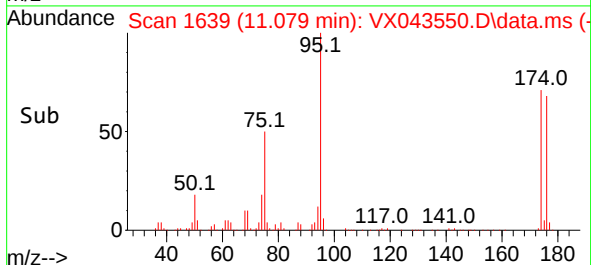
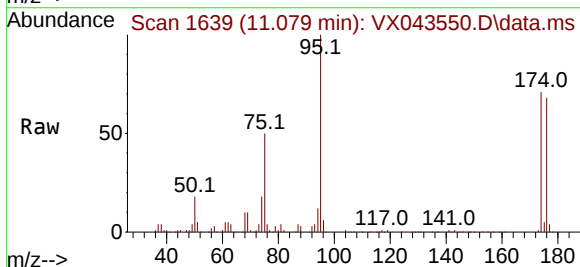
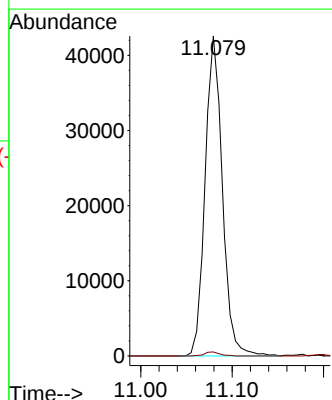
Acq: 26 Oct 2024 05:11

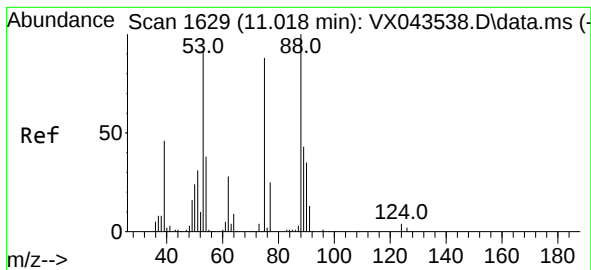
Tgt Ion: 75 Resp: 55743

Ion Ratio Lower Upper

75 100

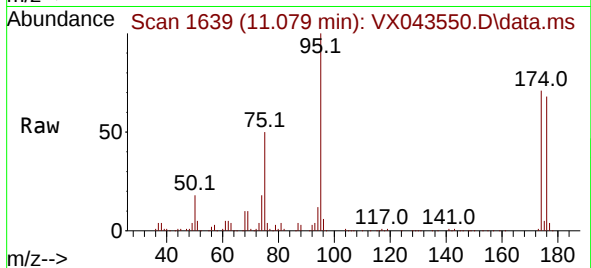
77 1.1 22.4 67.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.694 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043550.D
Acq: 26 Oct 2024 05:11

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 55743
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

