

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102624\
 Data File : VX043552.D
 Acq On : 26 Oct 2024 05:57
 Operator : JC/MD
 Sample : P4487-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 06:27:46 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)

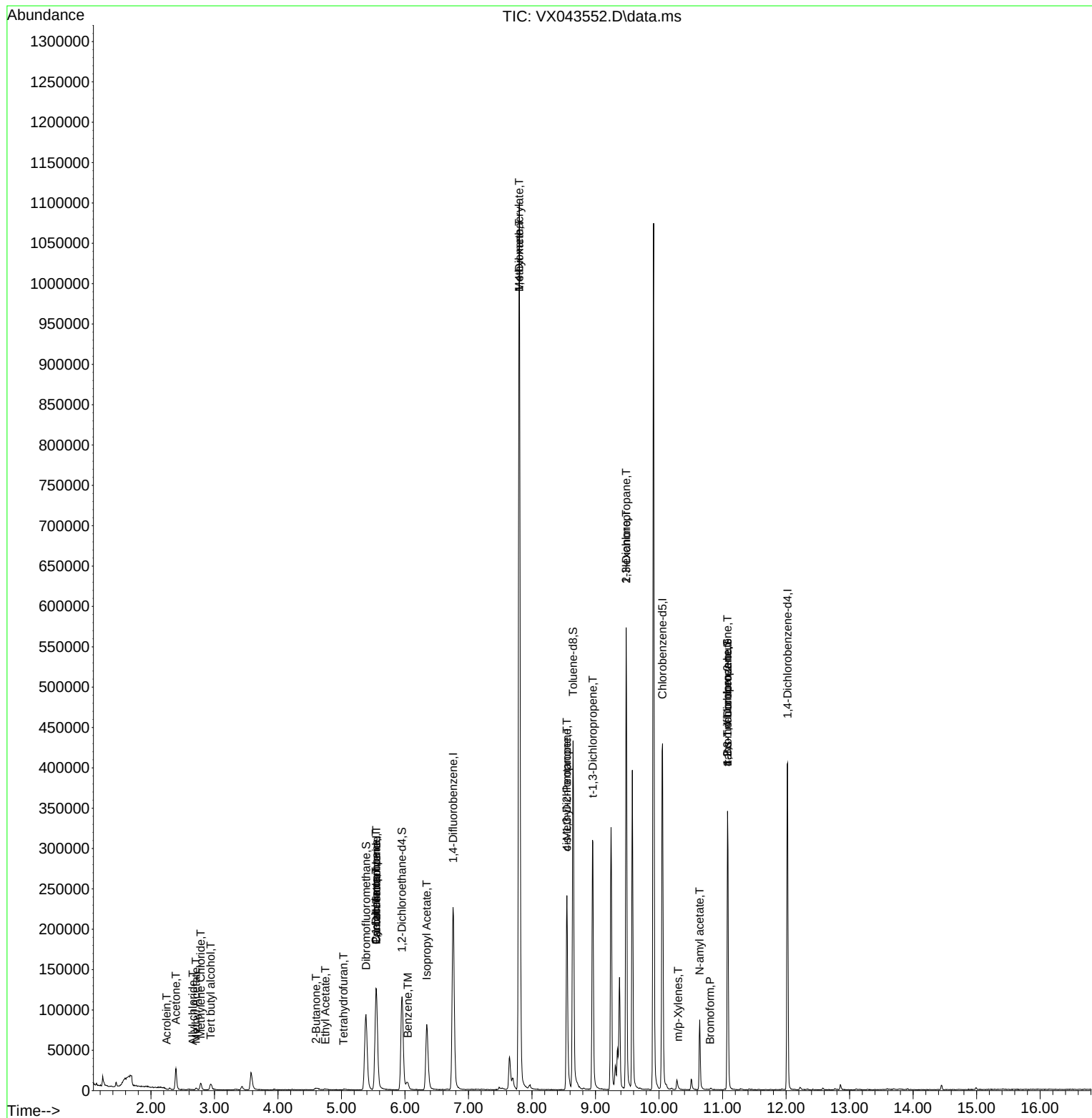
Internal Standards						
1) Pentafluorobenzene	5.550	168	120389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115610	60.537	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.080%	
35) Dibromofluoromethane	5.385	113	83337	51.524	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.040%	
50) Toluene-d8	8.647	98	268556	47.885	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.760%	
62) 4-Bromofluorobenzene	11.079	95	97391	47.543	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	4221	10.348	ug/l #	100
13) Acrolein	2.245	56	95	0.296	ug/l #	48
14) Allyl chloride	2.660	41	467	0.207	ug/l #	37
16) Acetone	2.392	43	28906	35.460	ug/l	94
18) Methyl Acetate	2.709	43	2561	1.045	ug/l	97
20) Methylene Chloride	2.782	84	4092	2.569	ug/l	85
25) 2-Butanone	4.599	43	3986	3.219	ug/l	94
29) Tetrahydrofuran	5.032	42	399	0.494	ug/l #	32
31) Cyclohexane	5.544	56	2448	1.176	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9479	4.952	ug/l #	51
37) Ethyl Acetate	4.745	43	2009	0.769	ug/l #	87
38) Carbon Tetrachloride	5.550	117	12770	5.871	ug/l #	16
40) Benzene	6.044	78	11094	1.734	ug/l	93
43) Isopropyl Acetate	6.342	43	117012	28.313	ug/l	99
48) Methyl methacrylate	7.799	41	96819	50.179	ug/l #	41
49) 1,4-Dioxane	7.799	88	100	2.017	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	87969	33.593	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	713	0.331	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	41649	17.597	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	5069	1.844	ug/l #	42
59) 2-Hexanone	9.482	43	68557	34.623	ug/l #	51
68) m/p-Xylenes	10.299	106	552	0.208	ug/l #	72
71) Bromoform	10.805	173	49	3.785	ug/l #	30
74) N-amyl acetate	10.640	43	20751	6.541	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	49691	24.258	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	49691	64.967	ug/l #	7

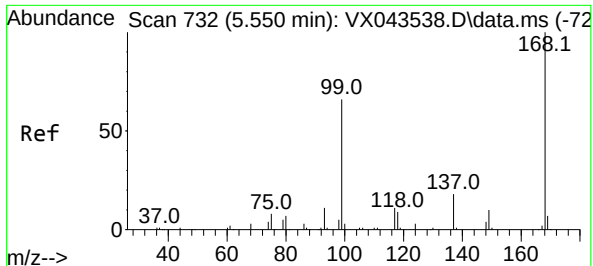
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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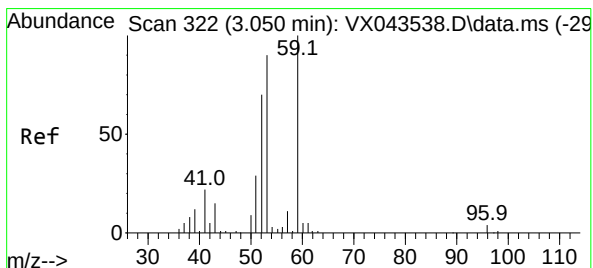
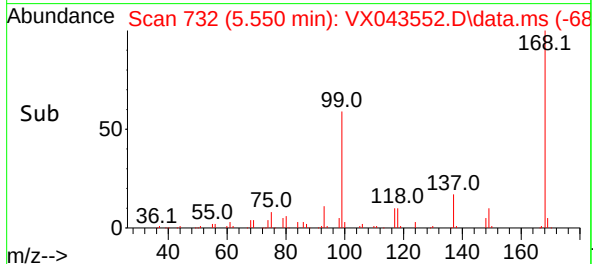
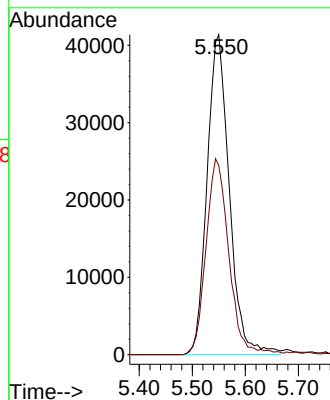
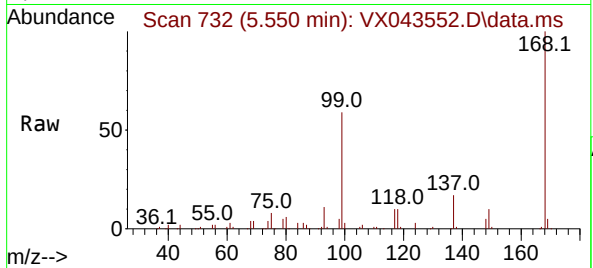




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

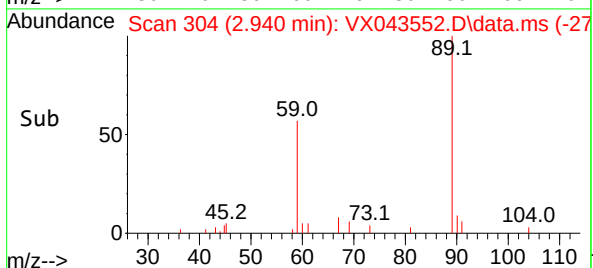
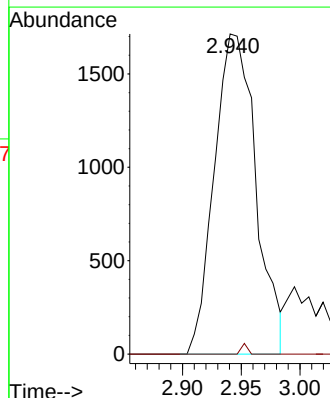
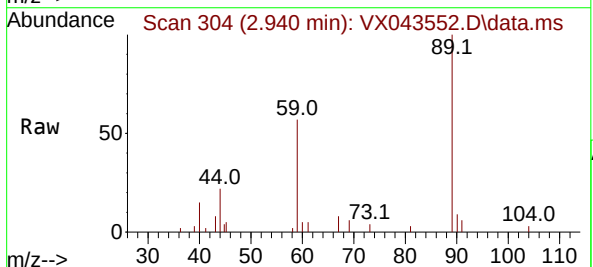
Instrument :
MSVOA_X
ClientSampleId :

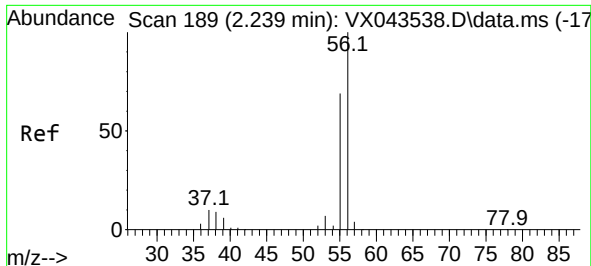
Tgt Ion:168 Resp: 120389
Ion Ratio Lower Upper
168 100
99 59.1 52.6 78.8



#11
Tert butyl alcohol
Concen: 10.348 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.110 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

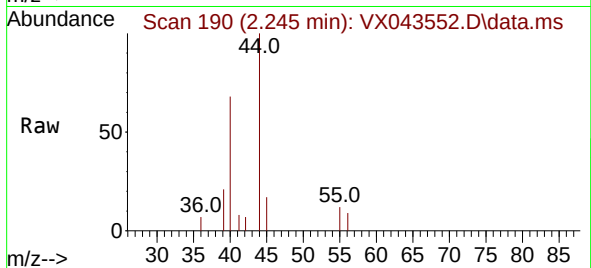
Tgt Ion: 59 Resp: 4221
Ion Ratio Lower Upper
59 100
57 0.5 0.0 0.0#



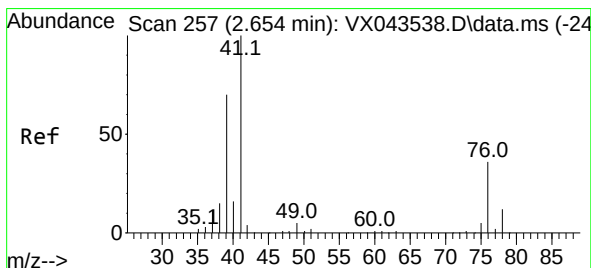
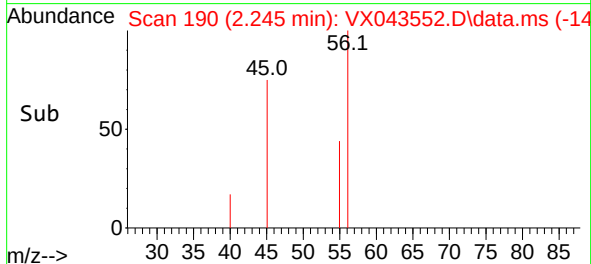
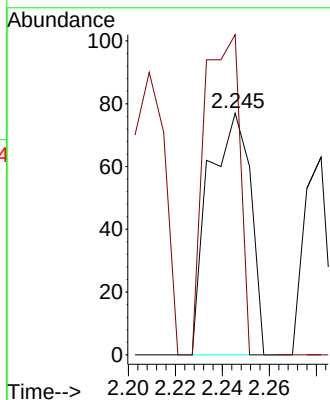


#13
Acrolein
Concen: 0.296 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Instrument :
MSVOA_X
ClientSampleId :

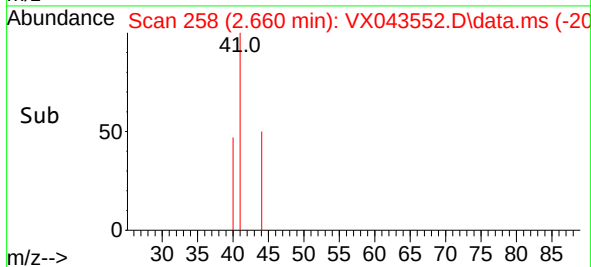
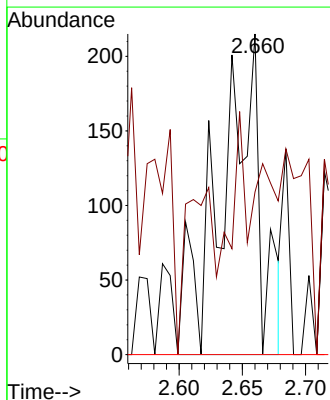
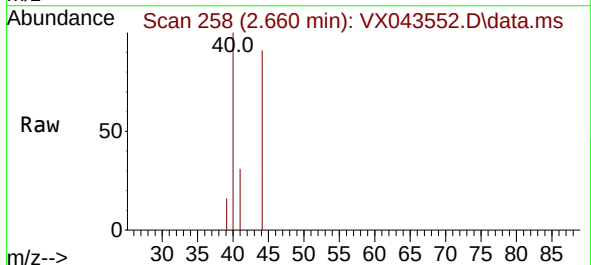


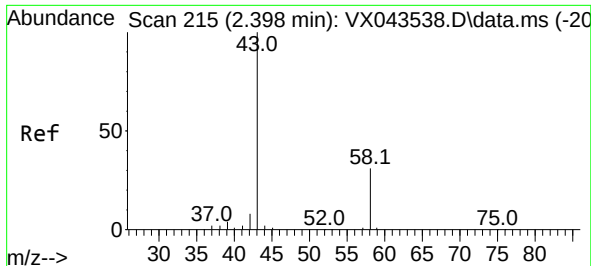
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 111.6 55.3 82.9#



#14
Allyl chloride
Concen: 0.207 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Tgt Ion: 41 Resp: 467
Ion Ratio Lower Upper
41 100
39 14.3 53.2 79.8#
76 0.0 27.0 40.6#





#16

Acetone

Concen: 35.460 ug/l

RT: 2.392 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Instrument :

MSVOA_X

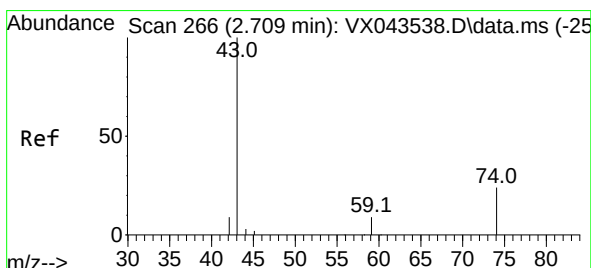
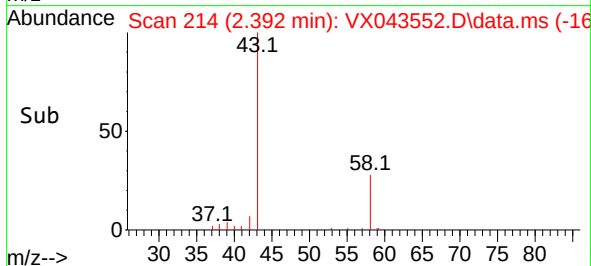
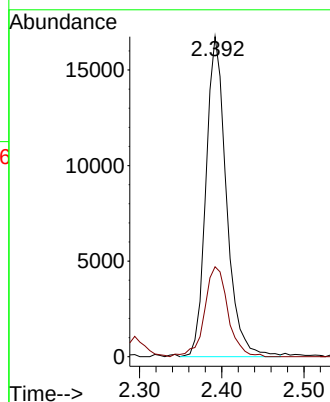
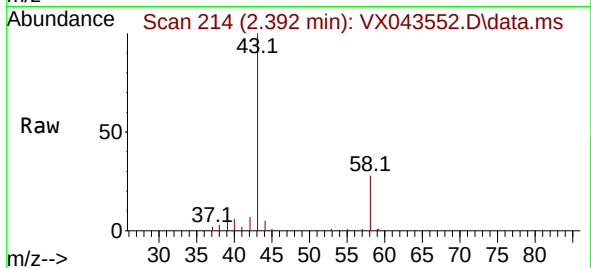
ClientSampleId :

Tgt Ion: 43 Resp: 28906

Ion Ratio Lower Upper

43 100

58 28.1 25.1 37.7



#18

Methyl Acetate

Concen: 1.045 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX043552.D

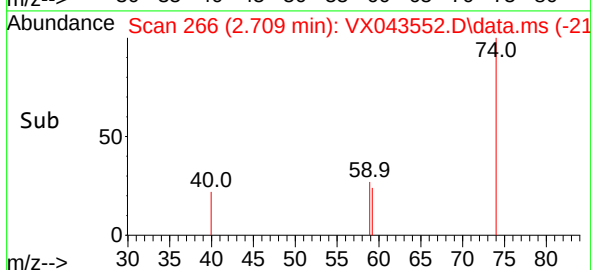
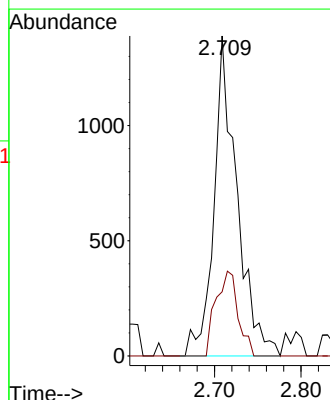
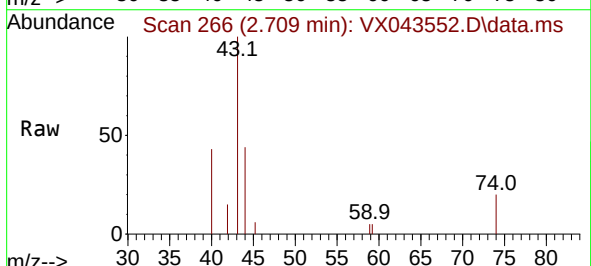
Acq: 26 Oct 2024 05:57

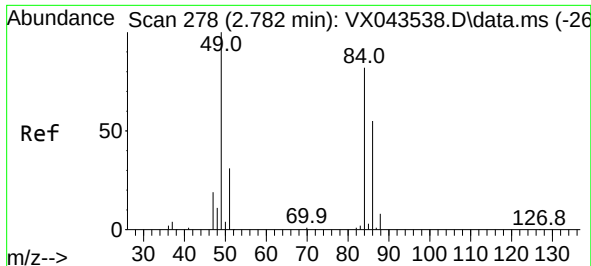
Tgt Ion: 43 Resp: 2561

Ion Ratio Lower Upper

43 100

74 25.5 19.1 28.7





#20

Methylene Chloride

Concen: 2.569 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.000 min

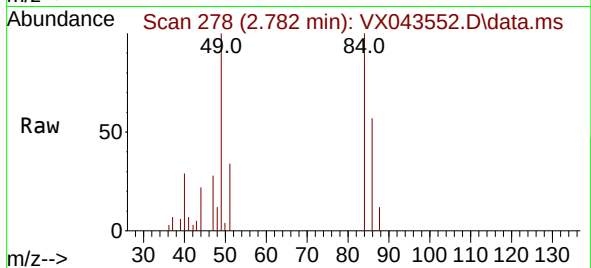
Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Instrument :

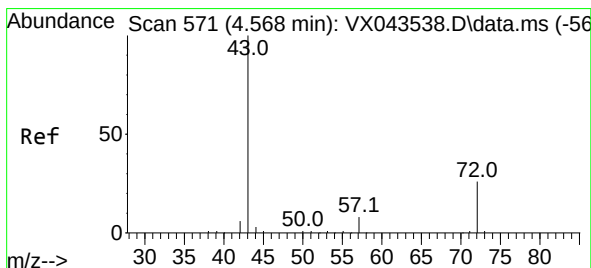
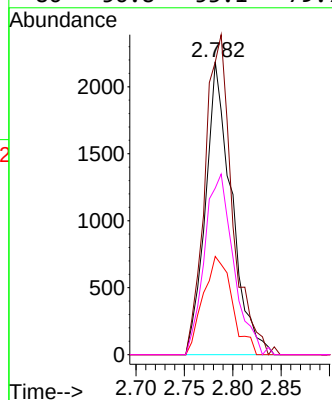
MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4092

Ion	Ratio	Lower	Upper
84	100		
49	99.9	97.0	145.6
51	33.5	29.8	44.8
86	56.8	53.1	79.7



#25

2-Butanone

Concen: 3.219 ug/l

RT: 4.599 min Scan# 576

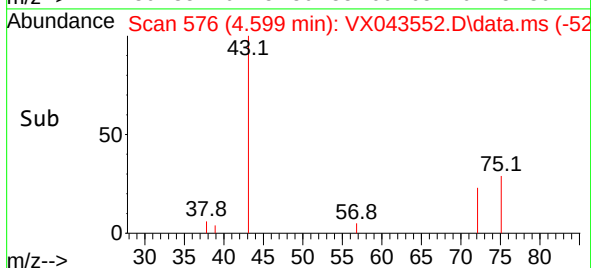
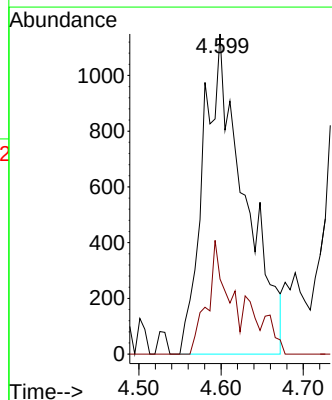
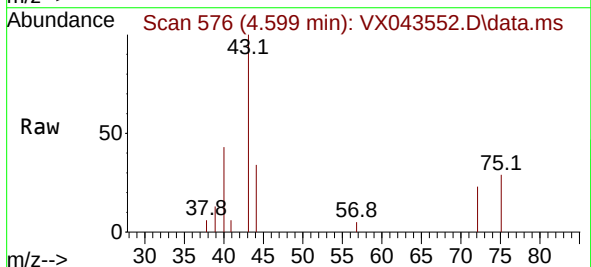
Delta R.T. 0.031 min

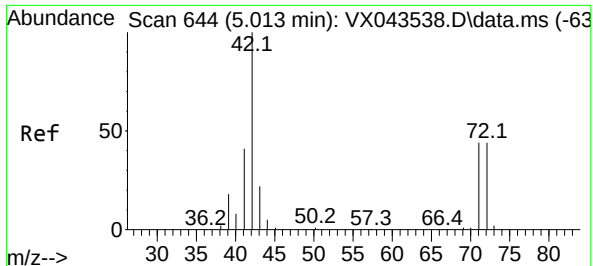
Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Tgt Ion: 43 Resp: 3986

Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.494 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

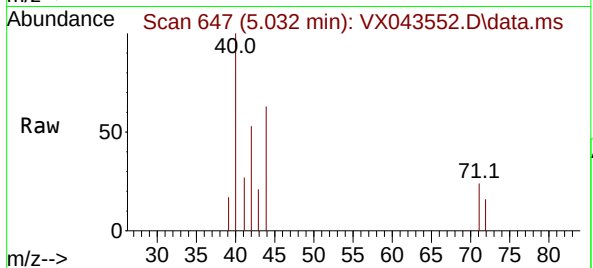
Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

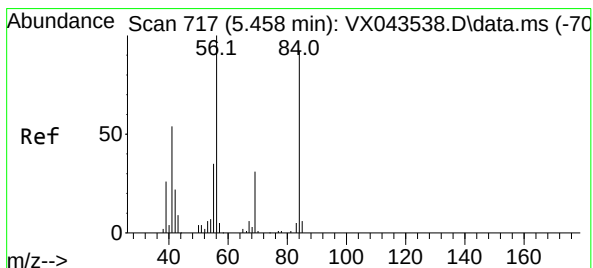
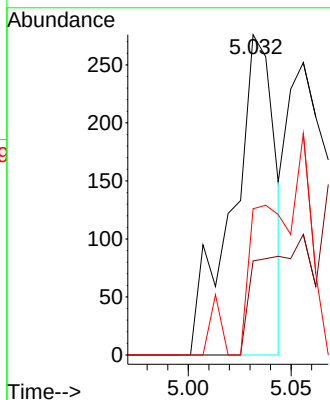
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	399
Ion Ratio	Lower	Upper	
42	100		
72	0.0	36.6	55.0#
71	0.0	34.2	51.4#



#31

Cyclohexane

Concen: 1.176 ug/l

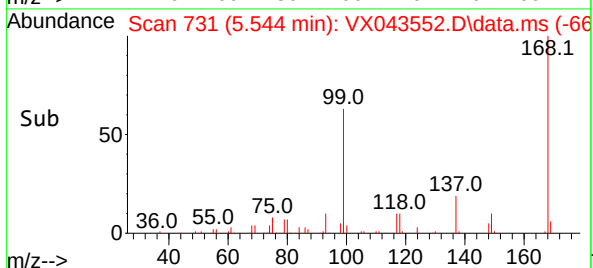
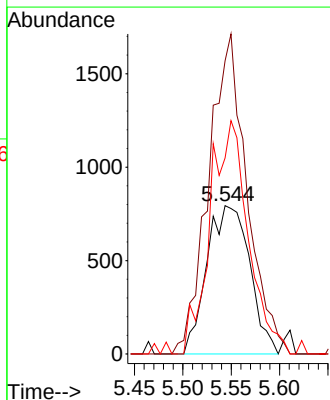
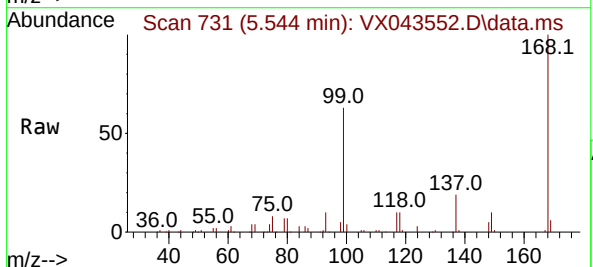
RT: 5.544 min Scan# 731

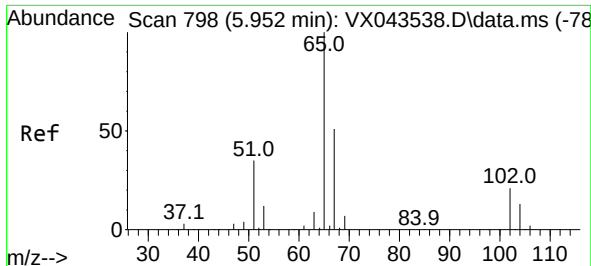
Delta R.T. 0.085 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Tgt Ion:	56	Resp:	2448
Ion Ratio	Lower	Upper	
56	100		
69	190.4	24.9	37.3#
84	132.1	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 60.537 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Instrument :

MSVOA_X

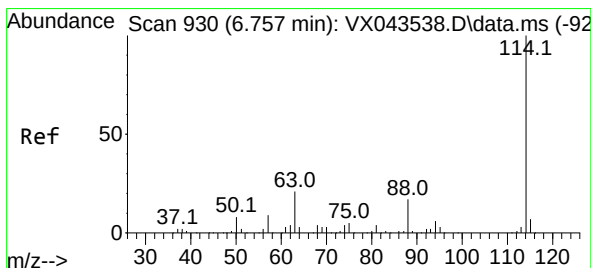
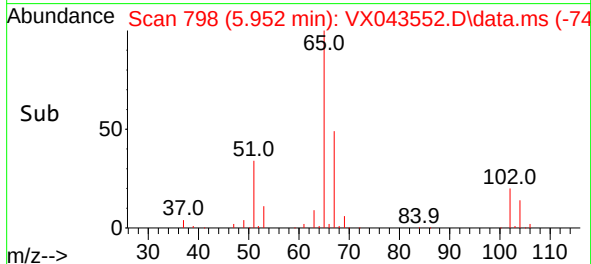
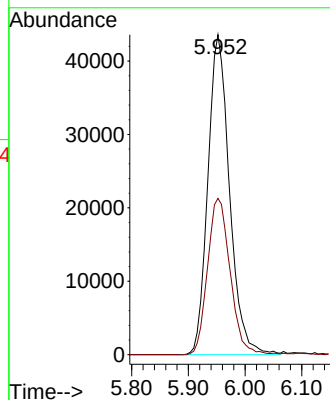
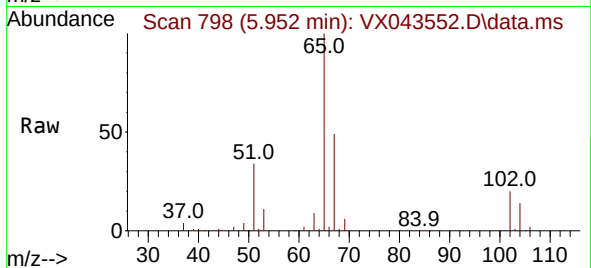
ClientSampleId :

Tgt Ion: 65 Resp: 115610

Ion Ratio Lower Upper

65 100

67 50.9 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: VX043552.D

Acq: 26 Oct 2024 05:57

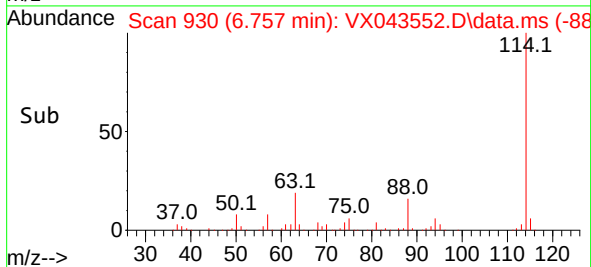
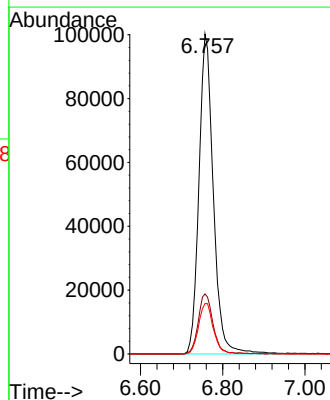
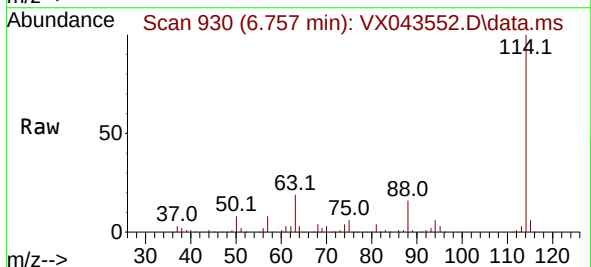
Tgt Ion: 114 Resp: 242909

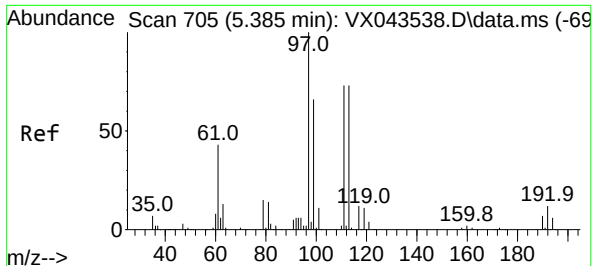
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.2

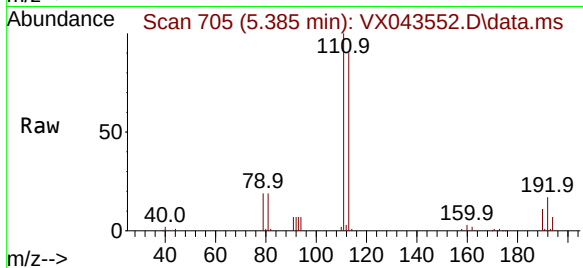
88 15.8 0.0 34.0



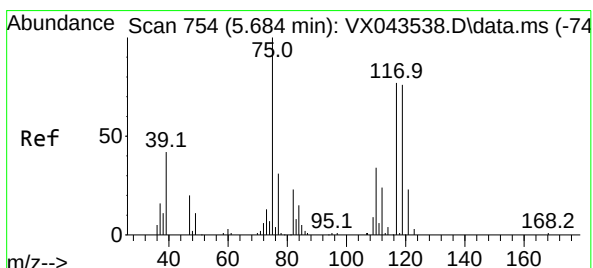
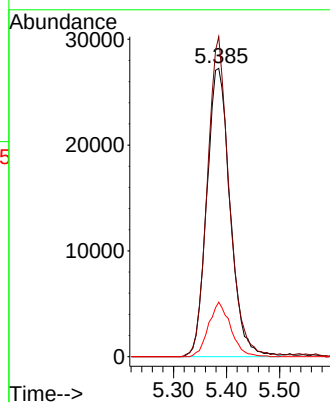
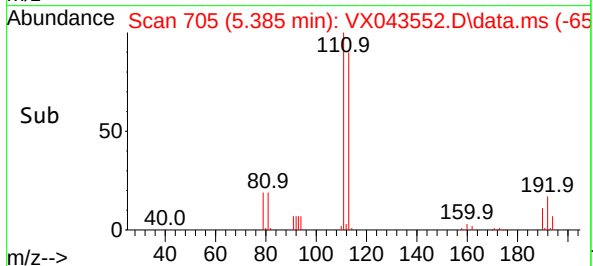


#35
Dibromofluoromethane
Concen: 51.524 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Instrument :
MSVOA_X
ClientSampleId :

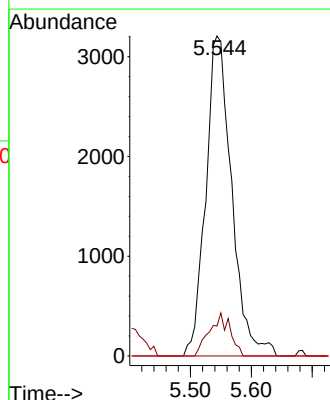
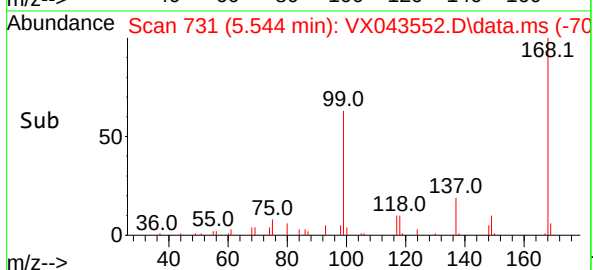
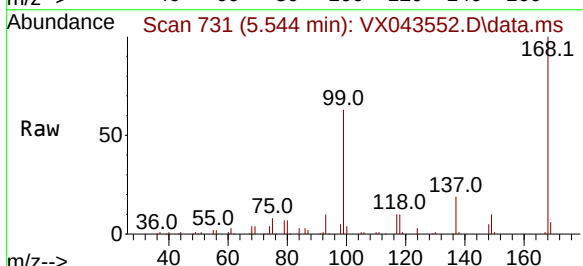


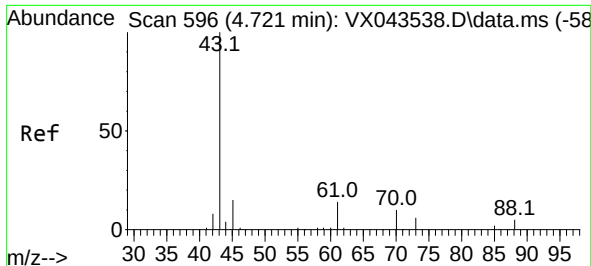
Tgt Ion:113 Resp: 83337
Ion Ratio Lower Upper
113 100
111 104.4 81.4 122.0
192 18.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.952 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Tgt Ion: 75 Resp: 9479
Ion Ratio Lower Upper
75 100
110 10.6 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.769 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

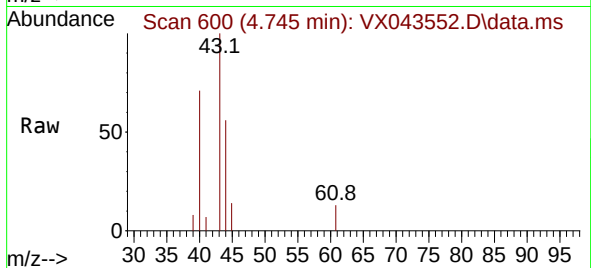
Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

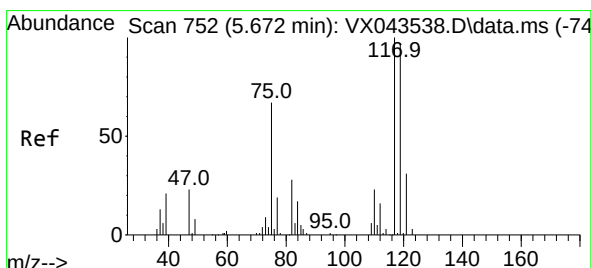
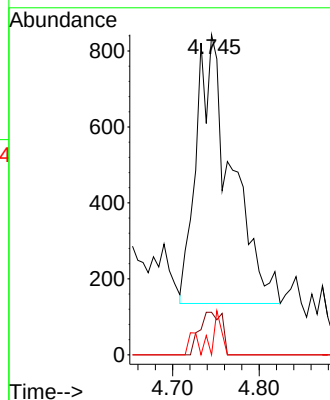
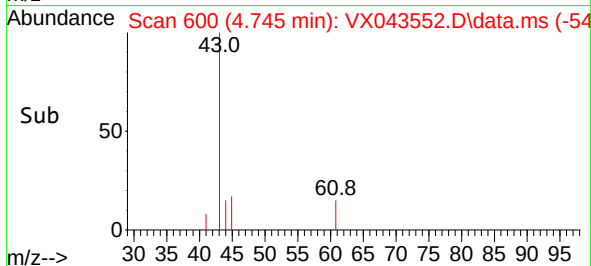
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2009
Ion	Ratio	Lower	Upper
43	100		
61	10.0	11.0	16.6#
70	4.1	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 5.871 ug/l

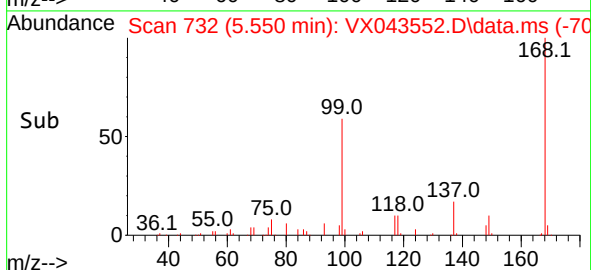
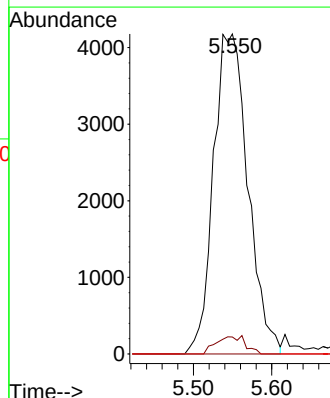
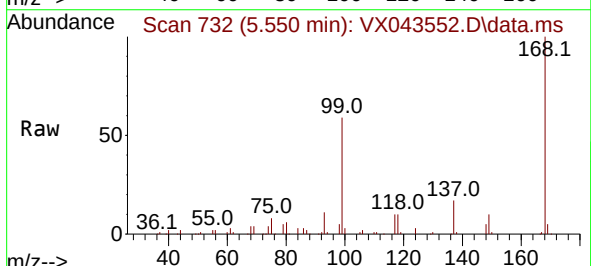
RT: 5.550 min Scan# 732

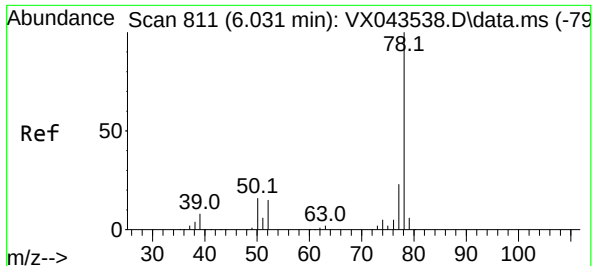
Delta R.T. -0.122 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Tgt Ion:	117	Resp:	12770
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.0	115.6#
121	0.0	24.7	37.1#





#40

Benzene

Concen: 1.734 ug/l

RT: 6.044 min Scan# 811

Delta R.T. 0.012 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Instrument :

MSVOA_X

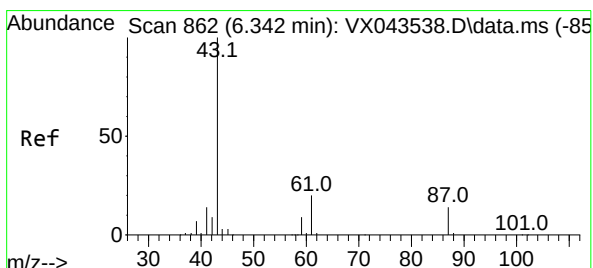
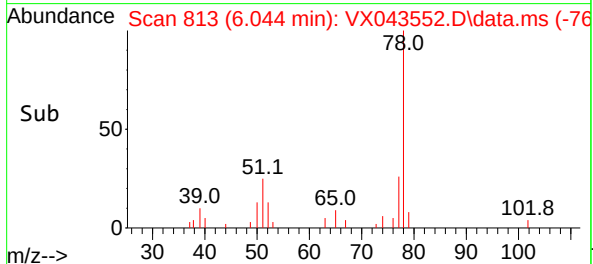
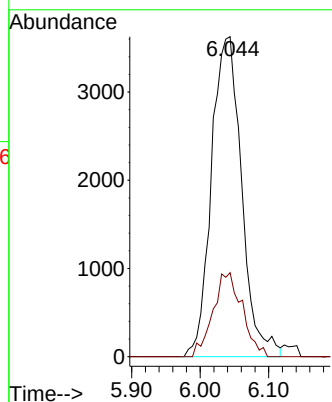
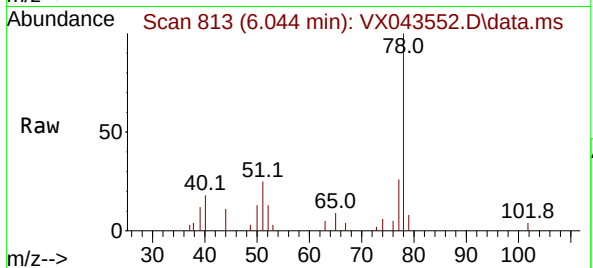
ClientSampleId :

Tgt Ion: 78 Resp: 11094

Ion Ratio Lower Upper

78 100

77 26.2 18.4 27.6



#43

Isopropyl Acetate

Concen: 28.313 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

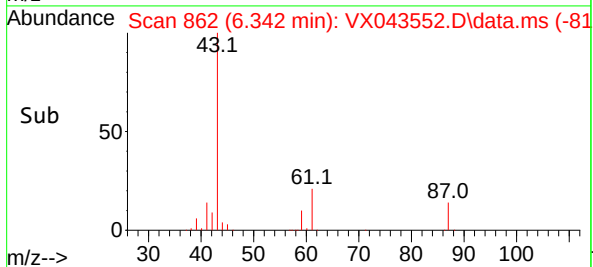
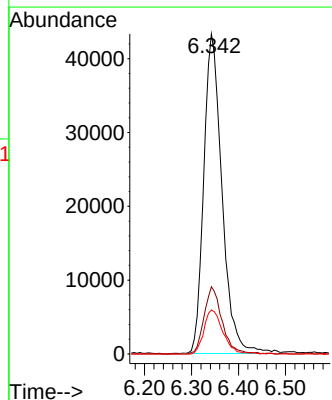
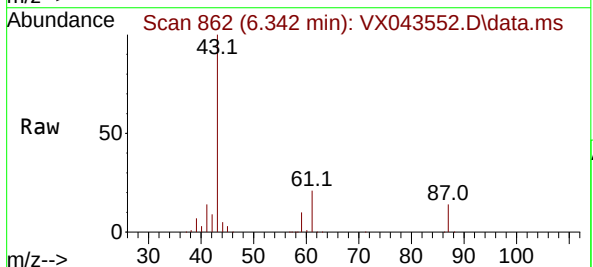
Tgt Ion: 43 Resp: 117012

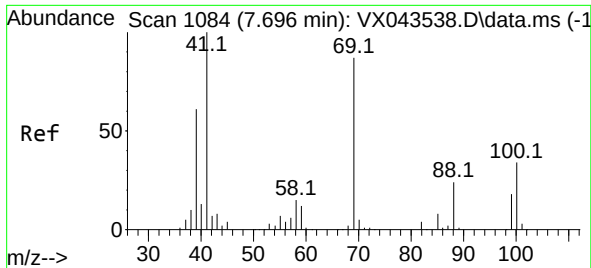
Ion Ratio Lower Upper

43 100

61 20.6 16.2 24.4

87 14.1 11.0 16.6

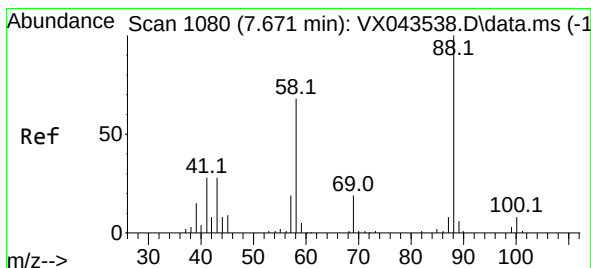
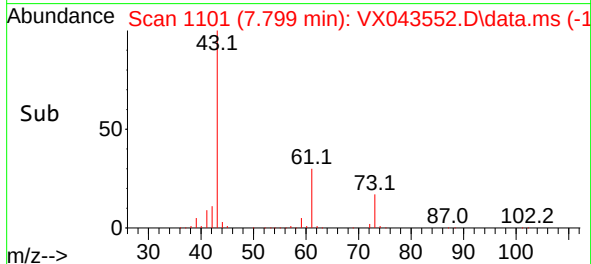
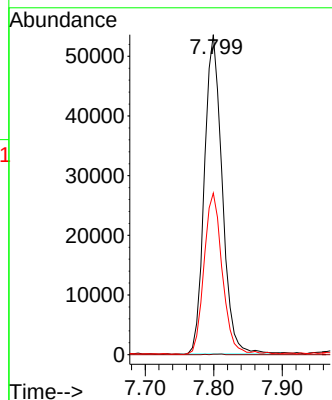
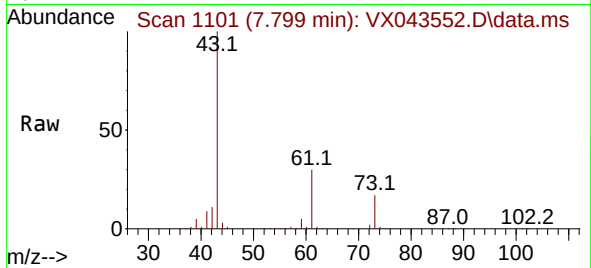




#48
Methyl methacrylate
Concen: 50.179 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

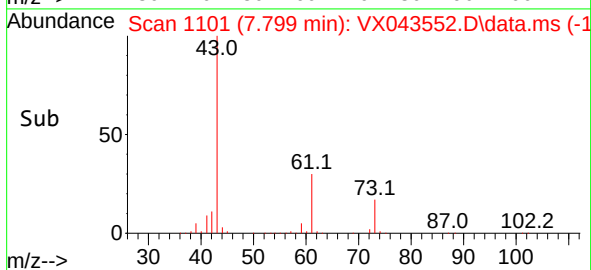
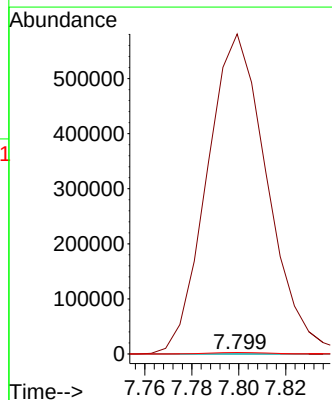
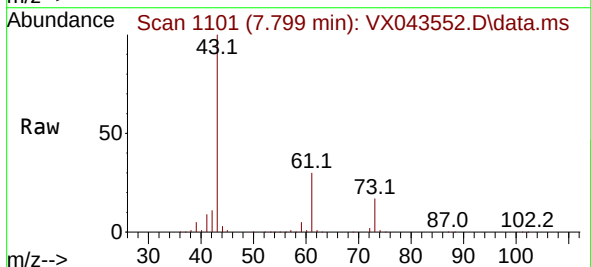
Instrument :
MSVOA_X
ClientSampleId :

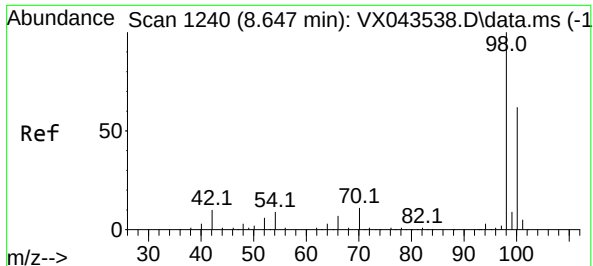
Tgt Ion: 41 Resp: 96819
Ion Ratio Lower Upper
41 100
69 0.1 67.7 101.5#
39 51.6 46.3 69.5



#49
1,4-Dioxane
Concen: 2.017 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 1054278.0 25.3 37.9#
58 4963.0 53.9 80.9#

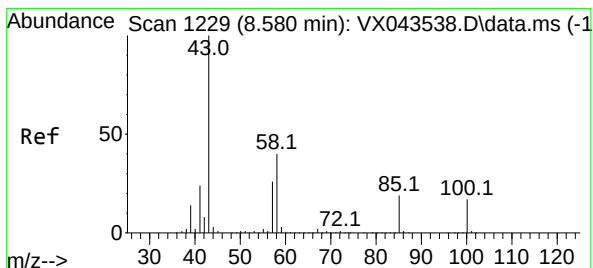
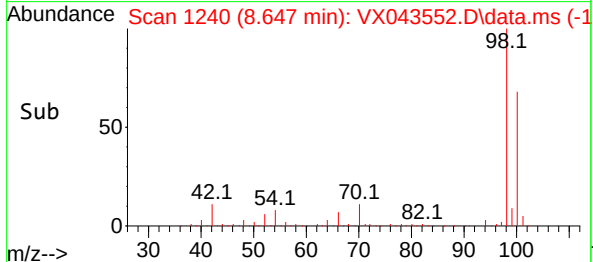
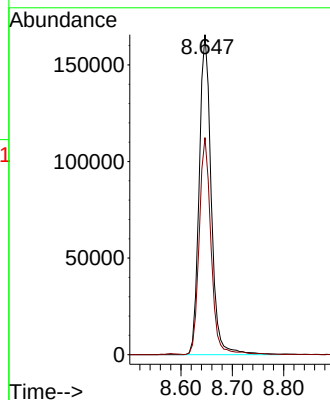
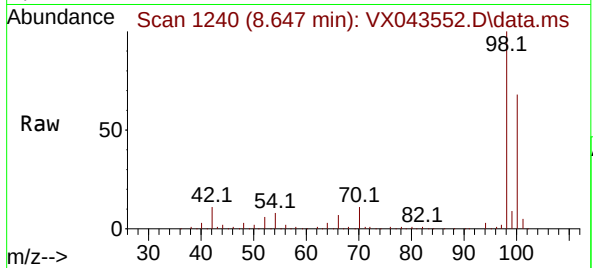




#50
Toluene-d8
Concen: 47.885 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

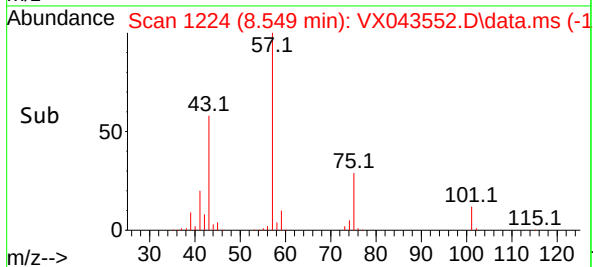
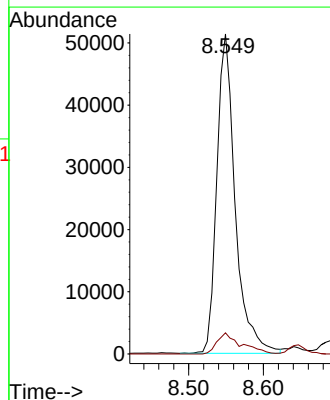
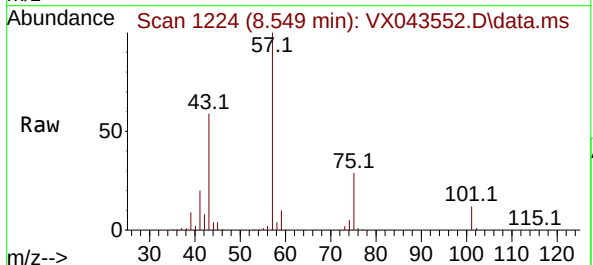
Instrument :
MSVOA_X
ClientSampleId :

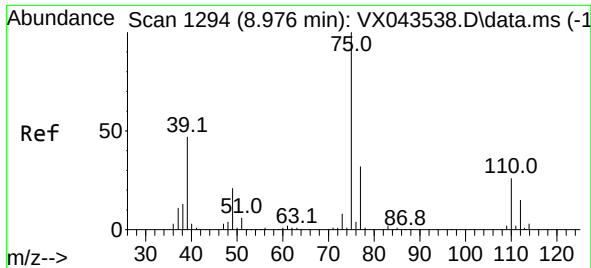
Tgt Ion: 98 Resp: 268556
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 33.593 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Tgt Ion: 43 Resp: 87969
Ion Ratio Lower Upper
43 100
58 8.7 31.7 47.5#

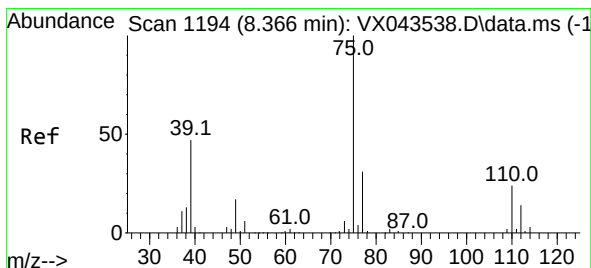
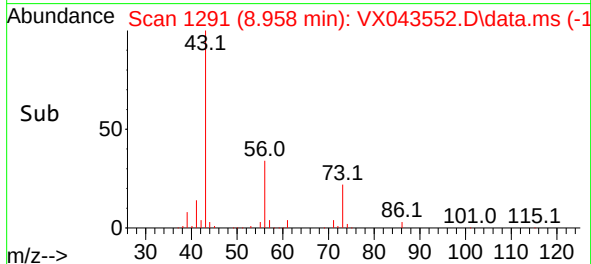
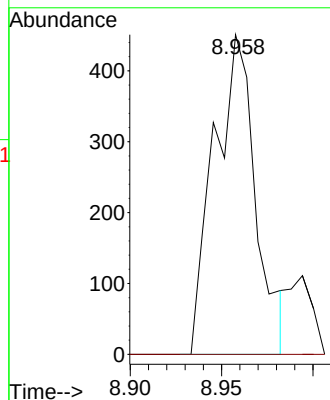
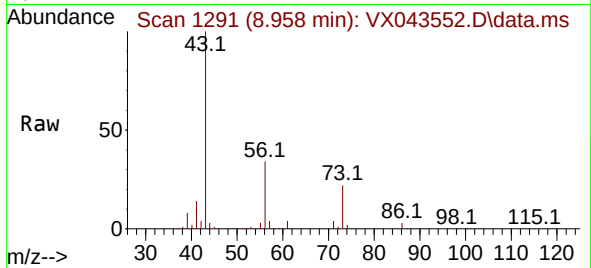




#53
 t-1,3-Dichloropropene
 Concen: 0.331 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX043552.D
 Acq: 26 Oct 2024 05:57

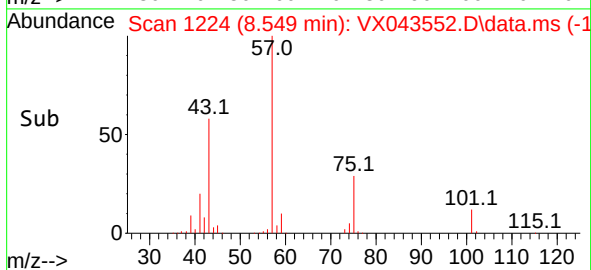
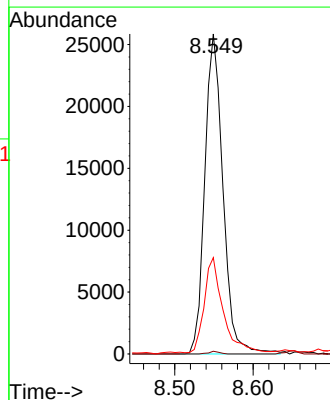
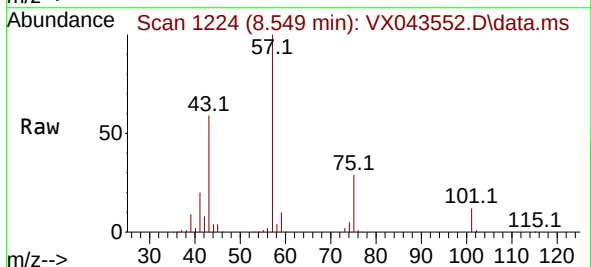
Instrument :
 MSVOA_X
 ClientSampleId :

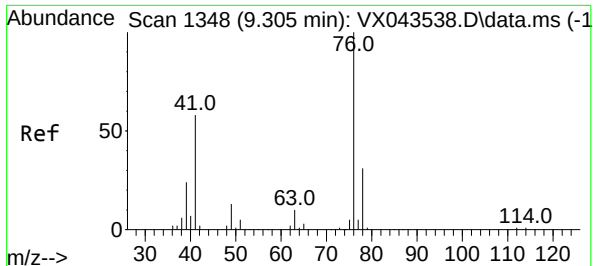
Tgt Ion: 75 Resp: 713
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#



#54
 cis-1,3-Dichloropropene
 Concen: 17.597 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043552.D
 Acq: 26 Oct 2024 05:57

Tgt Ion: 75 Resp: 41649
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.8 37.2#
 39 29.6 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 1.844 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Instrument :

MSVOA_X

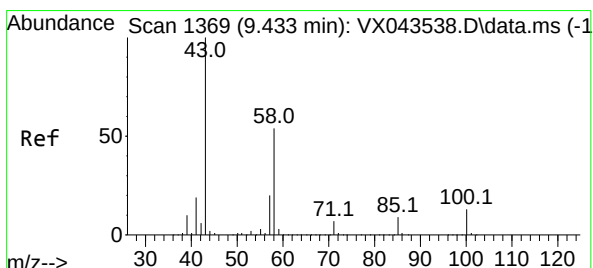
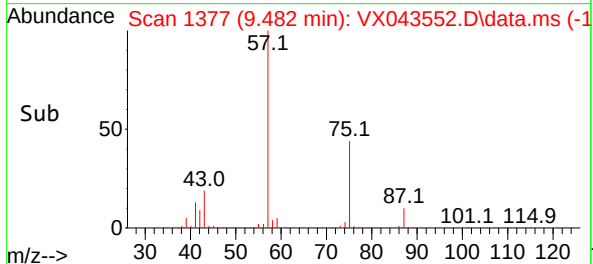
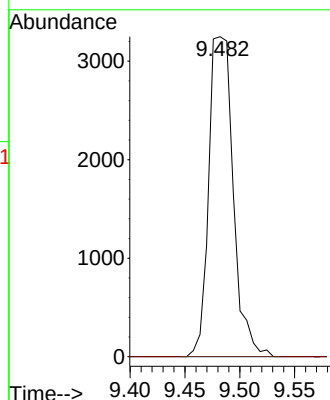
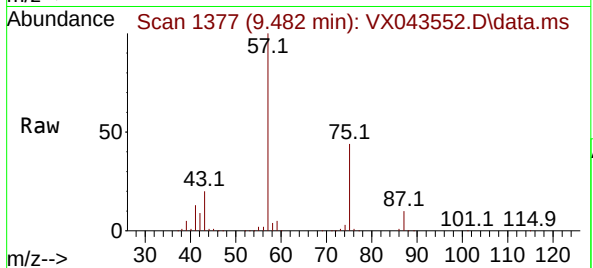
ClientSampleId :

Tgt Ion: 76 Resp: 5069

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 34.623 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043552.D

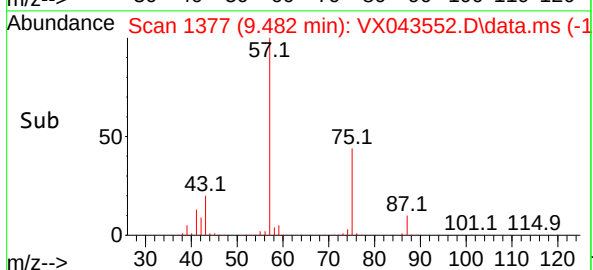
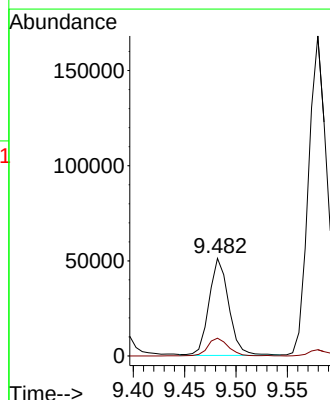
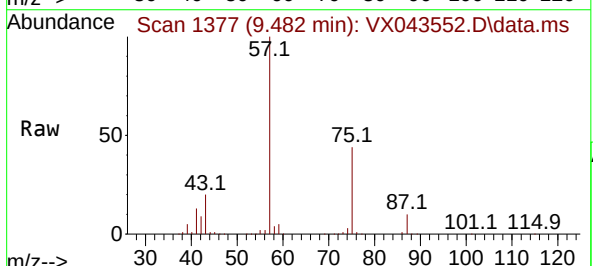
Acq: 26 Oct 2024 05:57

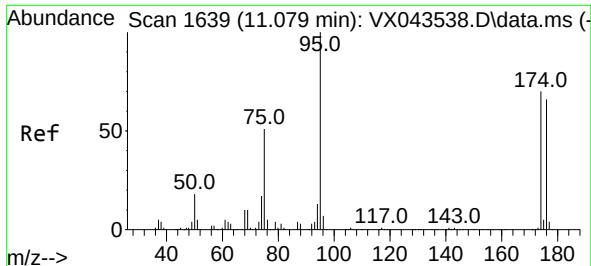
Tgt Ion: 43 Resp: 68557

Ion Ratio Lower Upper

43 100

58 19.5 27.5 82.5#

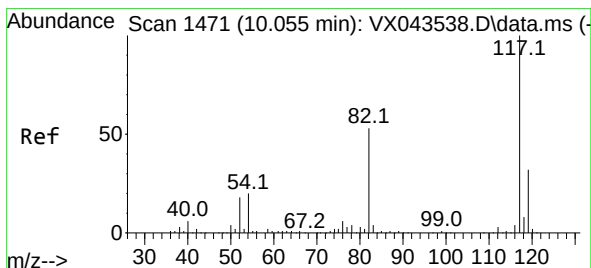
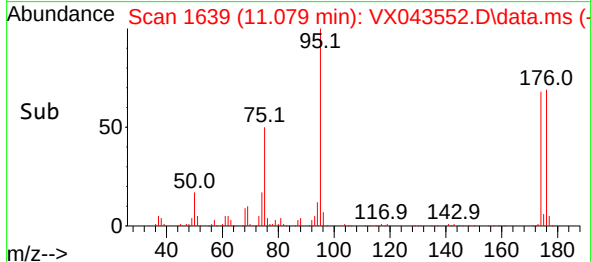
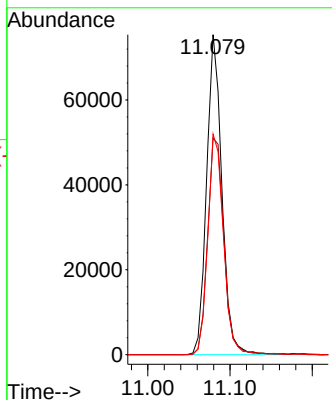
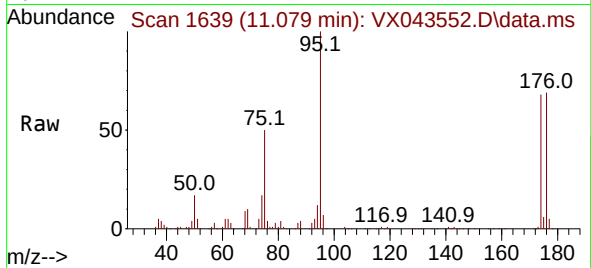




#62
4-Bromofluorobenzene
Concen: 47.543 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

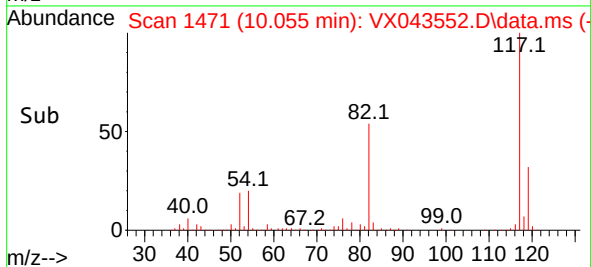
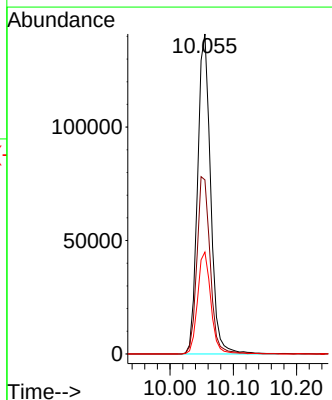
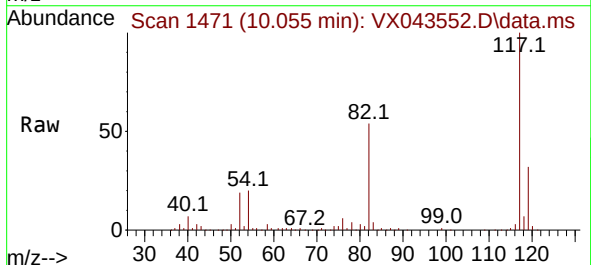
Instrument :
MSVOA_X
ClientSampleId :

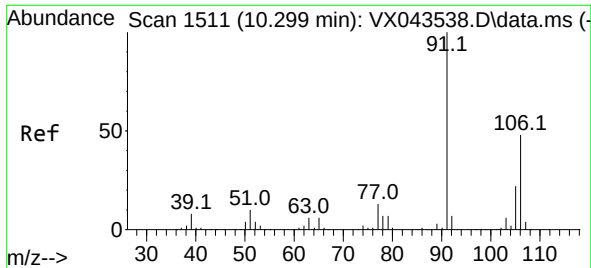
Tgt Ion: 95 Resp: 97391
Ion Ratio Lower Upper
95 100
174 72.2 0.0 146.6
176 70.4 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Tgt Ion: 117 Resp: 202874
Ion Ratio Lower Upper
117 100
82 54.4 42.1 63.1
119 31.9 25.4 38.2

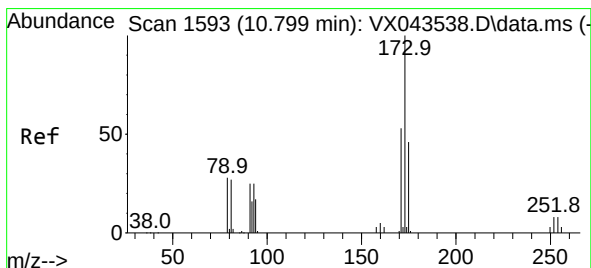
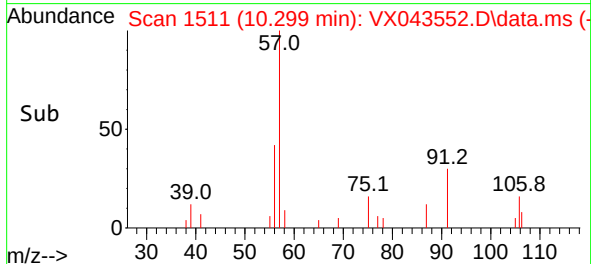
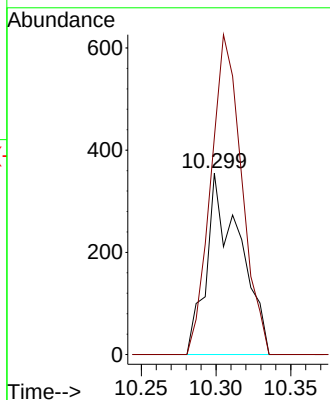
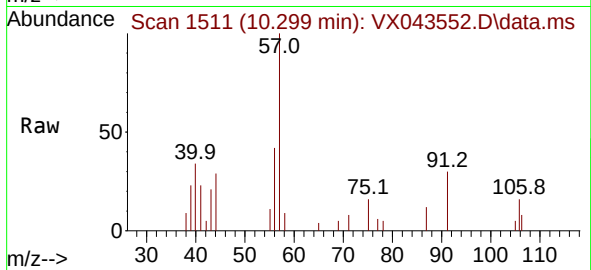




#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 10.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

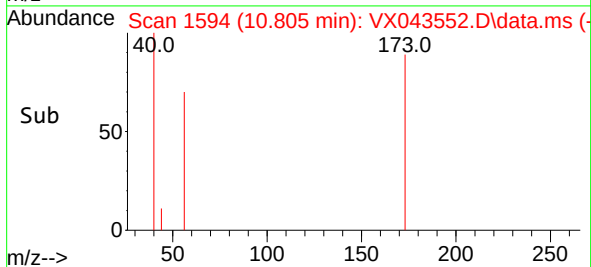
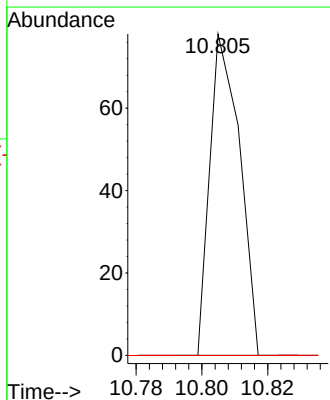
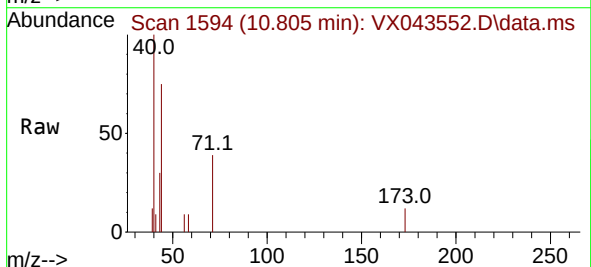
Instrument :
MSVOA_X
ClientSampleId :

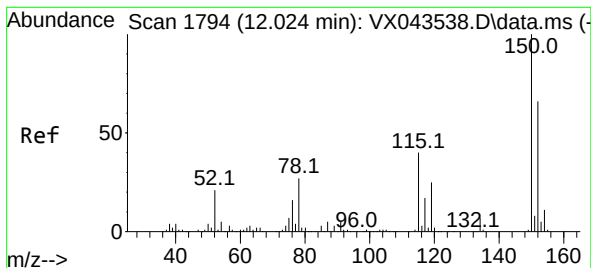
Tgt Ion:106 Resp: 552
Ion Ratio Lower Upper
106 100
91 163.4 164.7 247.1#



#71
Bromoform
Concen: 3.785 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Tgt Ion:173 Resp: 49
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: VX043552.D

Acq: 26 Oct 2024 05:57

Instrument :

MSVOA_X

ClientSampleId :

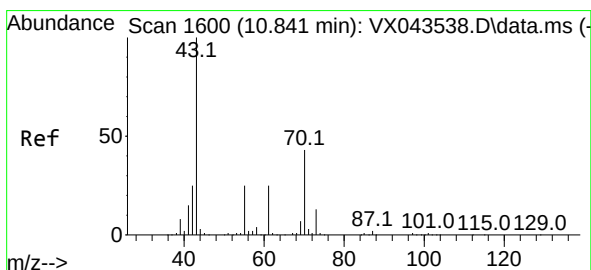
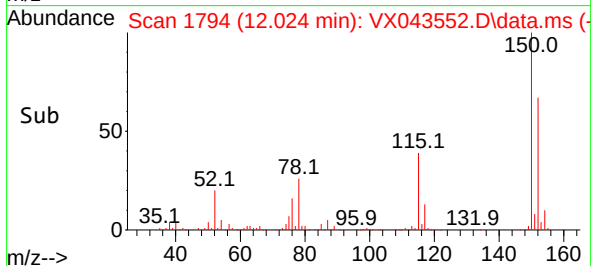
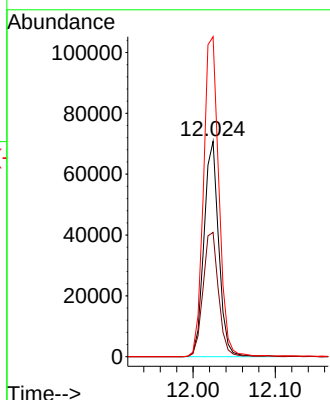
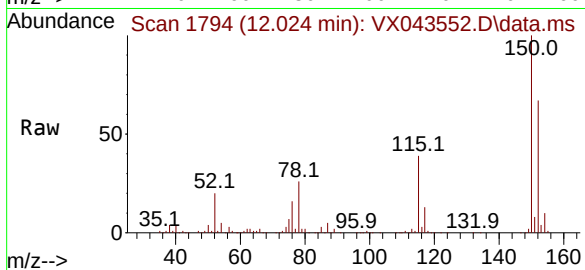
Tgt Ion:152 Resp: 88115

Ion Ratio Lower Upper

152 100

115 60.6 42.9 128.7

150 154.7 0.0 343.6



#74

N-ethyl acetate

Concen: 6.541 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX043552.D

Acq: 26 Oct 2024 05:57

Tgt Ion: 43 Resp: 20751

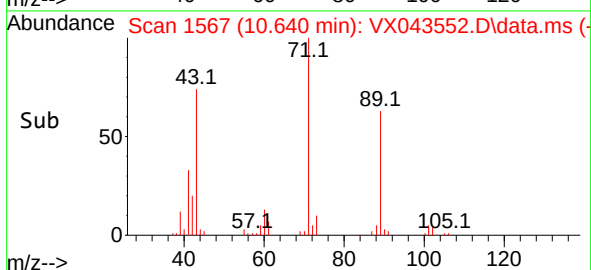
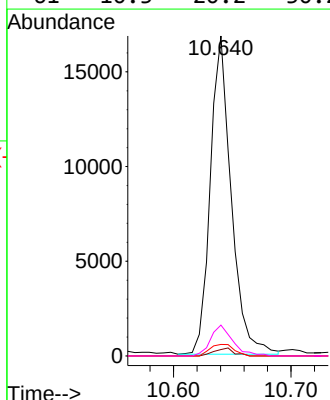
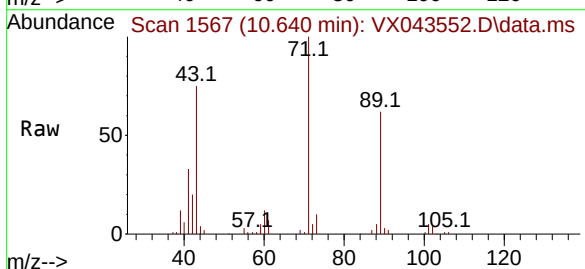
Ion Ratio Lower Upper

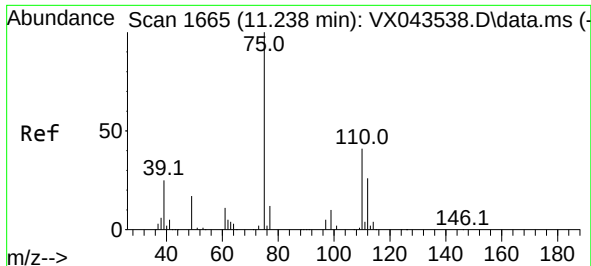
43 100

70 2.3 34.6 52.0#

55 4.2 19.6 29.4#

61 10.3 20.2 30.2#

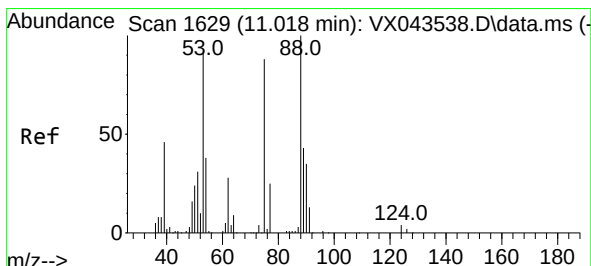
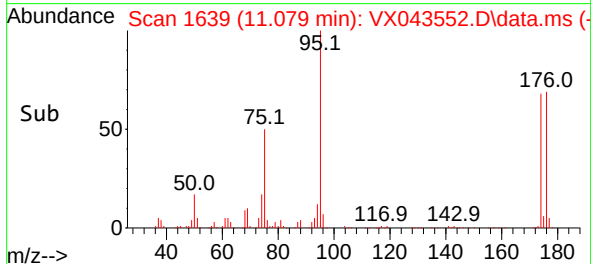
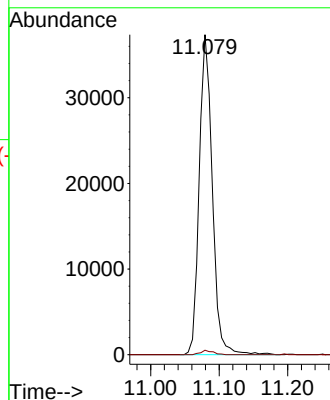
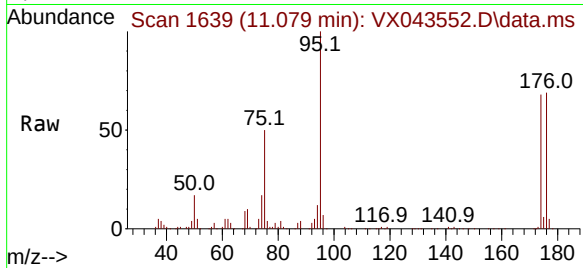




#76
1,2,3-Trichloropropane
Concen: 24.258 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 49691
Ion Ratio Lower Upper
75 100
77 1.3 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043552.D
Acq: 26 Oct 2024 05:57

Tgt Ion: 75 Resp: 49691
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

