

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100924\
 Data File : VX043333.D
 Acq On : 09 Oct 2024 12:49
 Operator : JC/MD
 Sample : PB163972ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

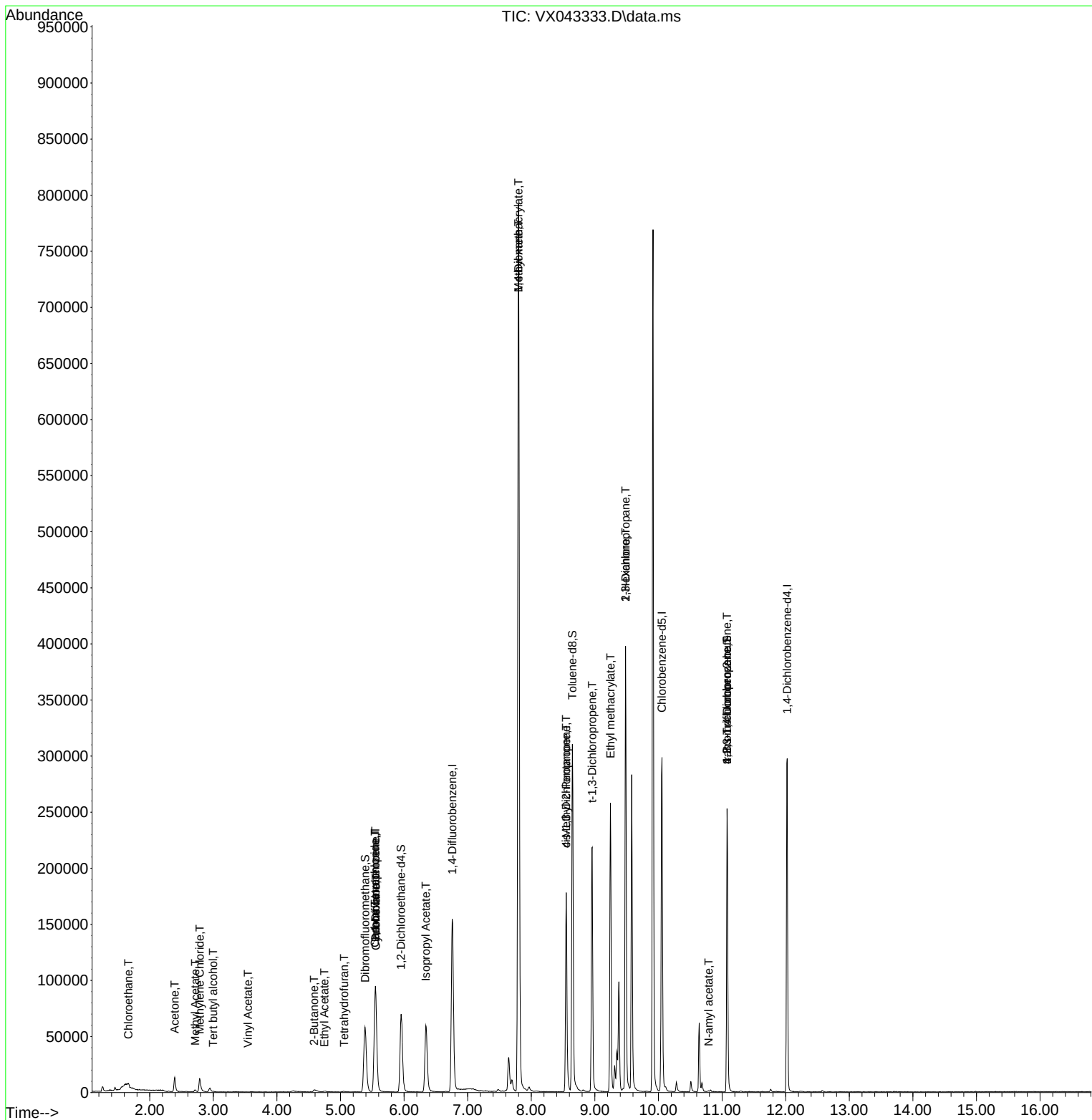
Instrument :
 MSVOA_X
 ClientSampleId :

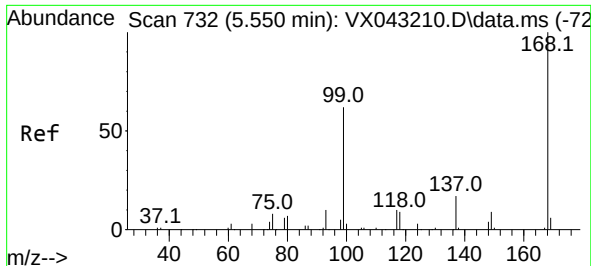
Quant Time: Oct 10 01:29:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	85077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	156698	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71253	51.282	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.560%
35) Dibromofluoromethane	5.385	113	51233	47.409	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.820%
50) Toluene-d8	8.646	98	185913	49.644	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.280%
62) 4-Bromofluorobenzene	11.079	95	66702	49.027	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.060%
Target Compounds						Qvalue
6) Chloroethane	1.666	64	97	0.255	ug/l #	42
11) Tert butyl alcohol	2.995	59	610	2.307	ug/l #	71
16) Acetone	2.391	43	15352	26.458	ug/l	96
18) Methyl Acetate	2.715	43	2410	1.656	ug/l	94
20) Methylene Chloride	2.788	84	6378	5.962	ug/l	93
23) Vinyl Acetate	3.544	43	20	6.345	ug/l #	71
25) 2-Butanone	4.586	43	4527	5.690	ug/l #	85
29) Tetrahydrofuran	5.056	42	537	1.060	ug/l #	53
31) Cyclohexane	5.555	56	2092	1.395	ug/l #	37
36) 1,1-Dichloropropene	5.549	75	7456	5.461	ug/l #	49
37) Ethyl Acetate	4.745	43	1276	0.778	ug/l #	72
38) Carbon Tetrachloride	5.543	117	9344	5.782	ug/l #	16
43) Isopropyl Acetate	6.342	43	84177	31.086	ug/l	99
48) Methyl methacrylate	7.799	41	73342	55.200	ug/l #	45
49) 1,4-Dioxane	7.799	88	57	2.207	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65494	39.822	ug/l #	51
53) t-1,3-Dichloropropene	8.957	75	479	0.301	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27537	16.146	ug/l #	61
56) Ethyl methacrylate	9.244	69	597	0.354	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3354	1.910	ug/l #	43
59) 2-Hexanone	9.482	43	51221	41.184	ug/l #	53
74) N-amyl acetate	10.786	43	537	0.240	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	36990	27.458	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	36990	71.160	ug/l #	8

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

Quant Time: Oct 10 01:29:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



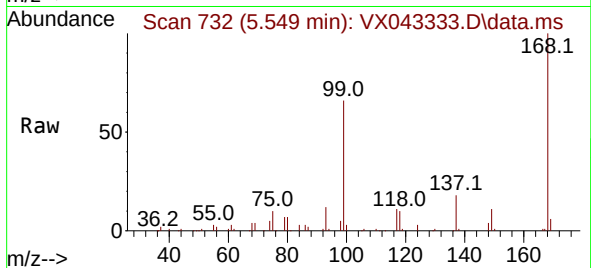


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

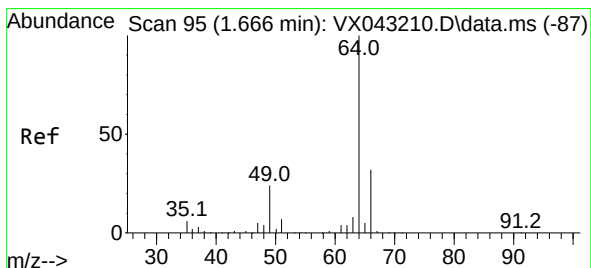
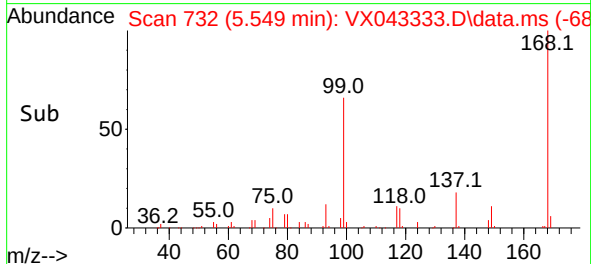
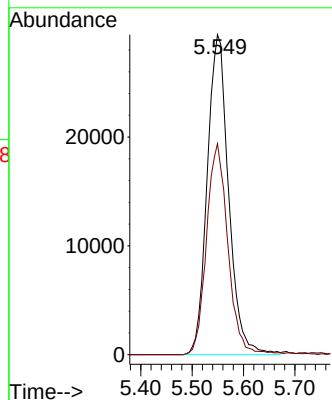
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MSVOA_X

ClientSampleId :

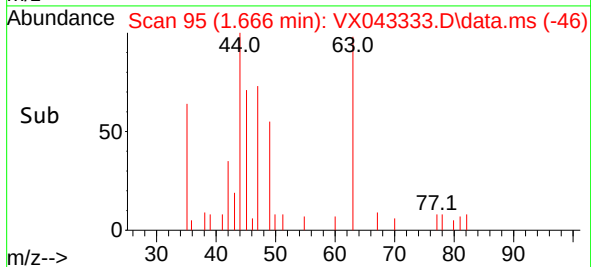
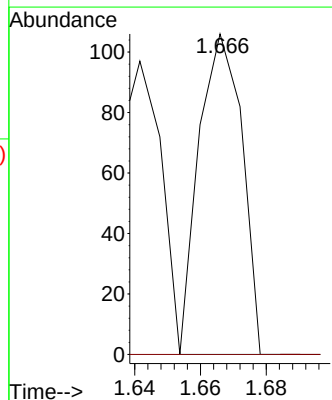
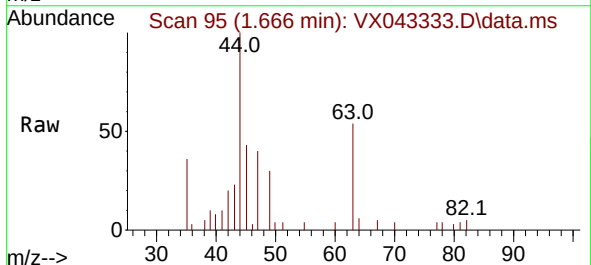


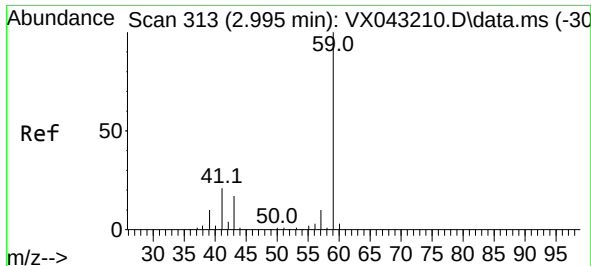
Tgt Ion:168 Resp: 85077
Ion Ratio Lower Upper
168 100
99 65.9 49.7 74.5



#6
Chloroethane
Concen: 0.255 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 2.307 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

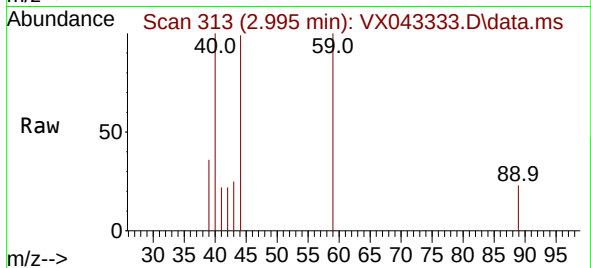
Lab File: VX043333.D

Acq: 09 Oct 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :

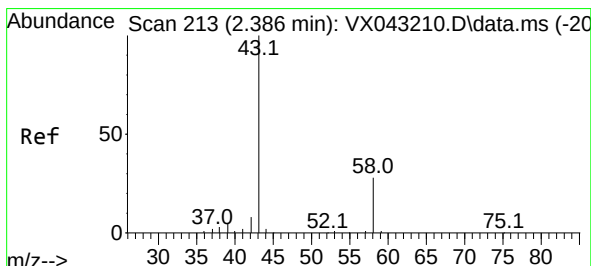
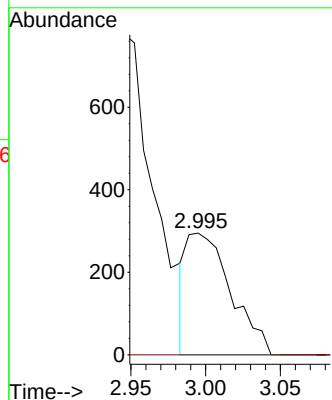
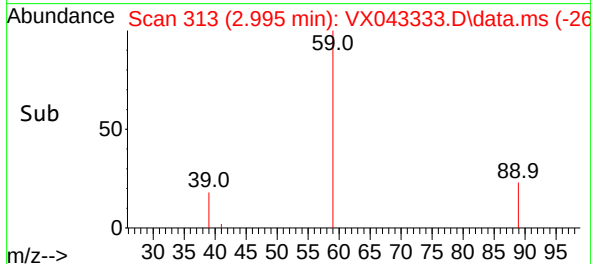


Tgt Ion: 59 Resp: 610

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#16

Acetone

Concen: 26.458 ug/l

RT: 2.391 min Scan# 214

Delta R.T. 0.005 min

Lab File: VX043333.D

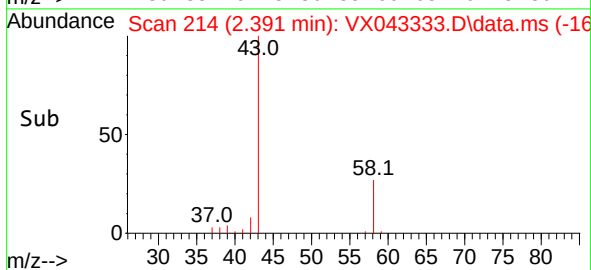
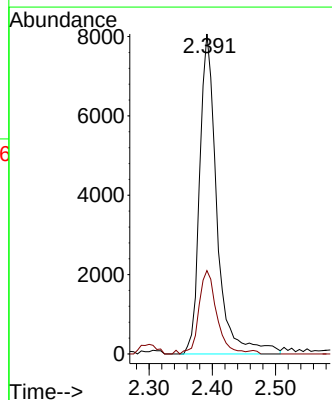
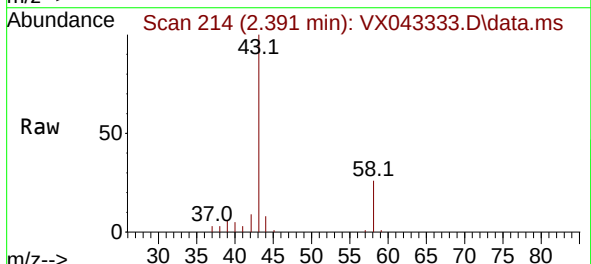
Acq: 09 Oct 2024 12:49

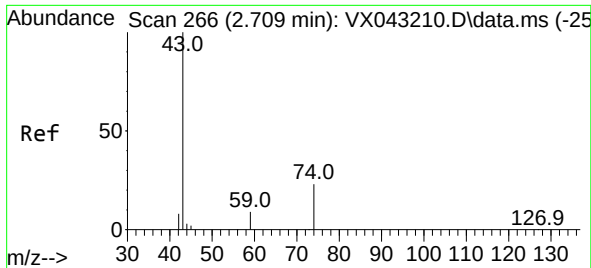
Tgt Ion: 43 Resp: 15352

Ion Ratio Lower Upper

43 100

58 26.1 22.6 33.8

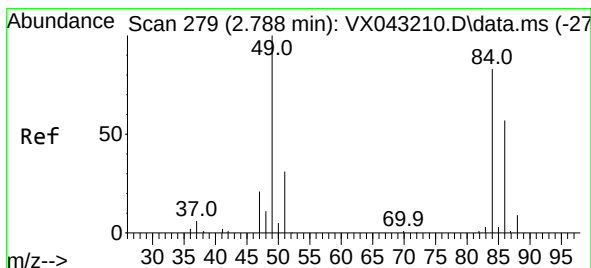
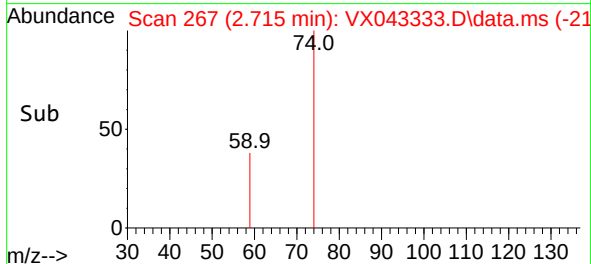
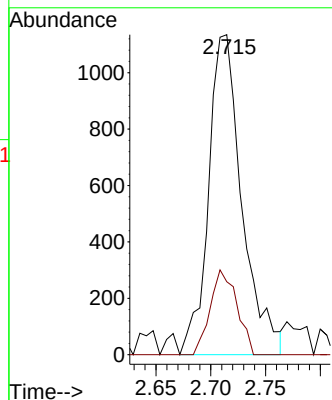
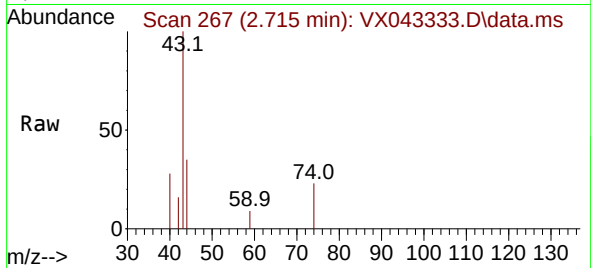




#18
Methyl Acetate
Concen: 1.656 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

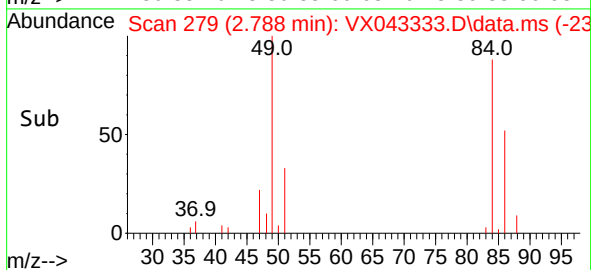
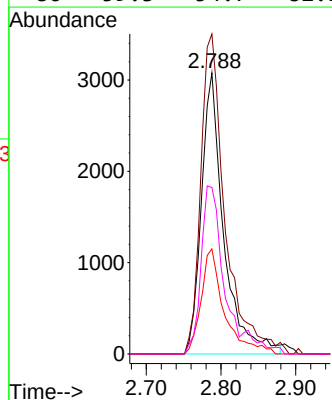
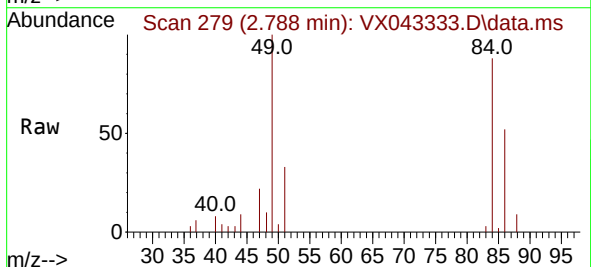
Instrument :
MSVOA_X
ClientSampleId :

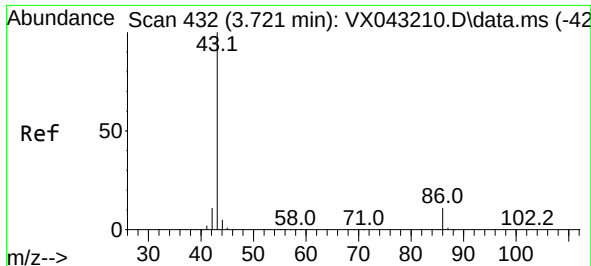
Tgt Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
74 21.1 19.1 28.7



#20
Methylene Chloride
Concen: 5.962 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Tgt Ion: 84 Resp: 6378
Ion Ratio Lower Upper
84 100
49 113.8 96.7 145.1
51 37.4 30.4 45.6
86 59.3 54.7 82.1

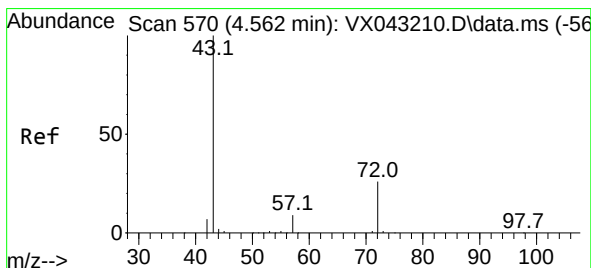
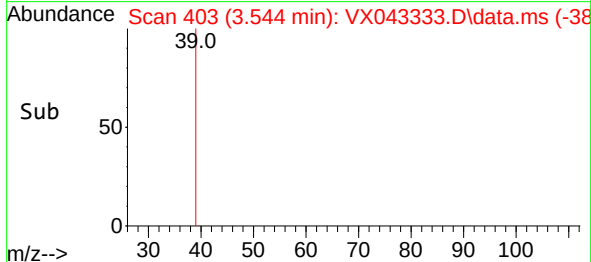
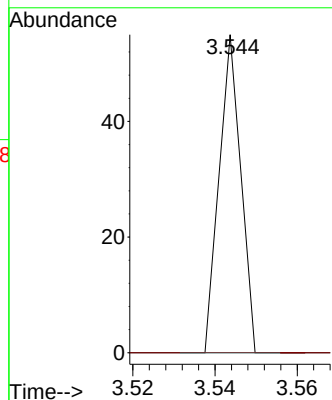
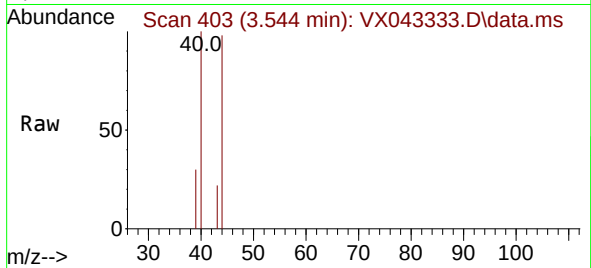




#23
 Vinyl Acetate
 Concen: 6.345 ug/l
 RT: 3.544 min Scan# 40
 Delta R.T. -0.177 min
 Lab File: VX043333.D
 Acq: 09 Oct 2024 12:49

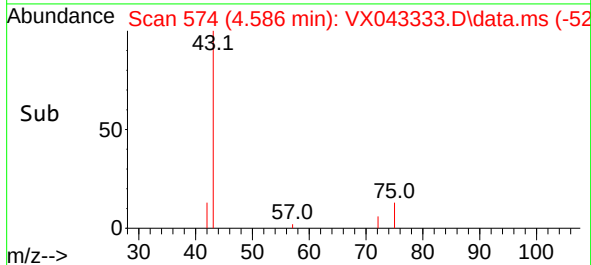
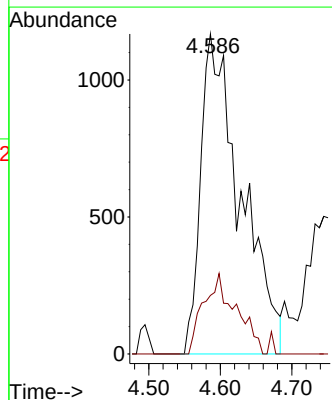
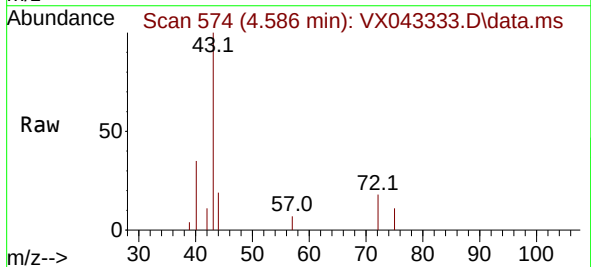
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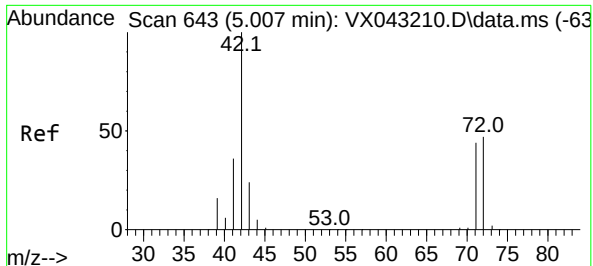
Tgt Ion: 43 Resp: 20
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 5.690 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.024 min
 Lab File: VX043333.D
 Acq: 09 Oct 2024 12:49

Tgt Ion: 43 Resp: 4527
 Ion Ratio Lower Upper
 43 100
 72 18.3 20.6 31.0#





#29

Tetrahydrofuran

Concen: 1.060 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.048 min

Lab File: VX043333.D

Acq: 09 Oct 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :

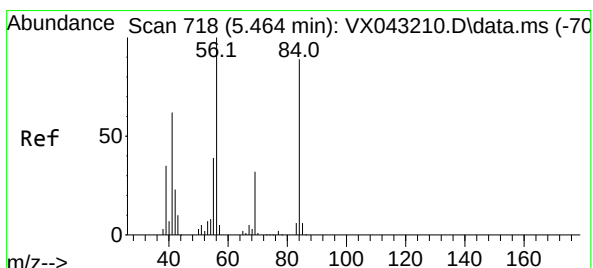
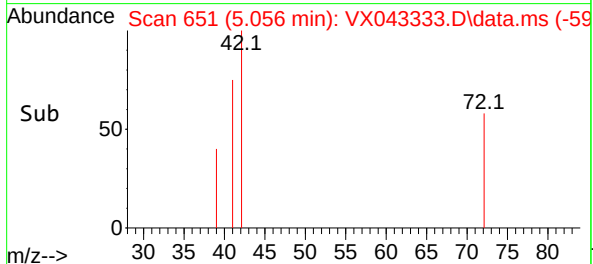
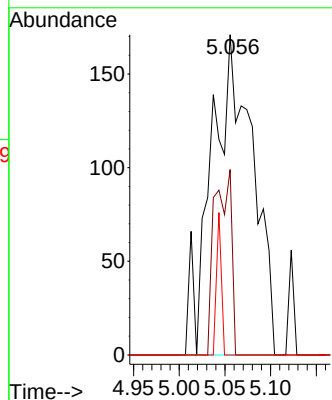
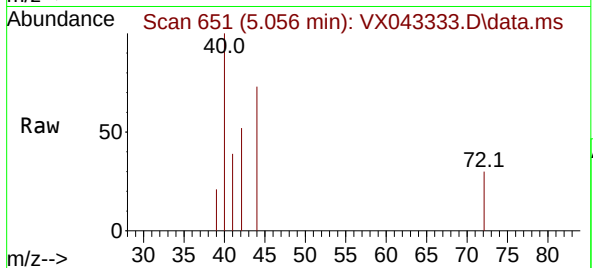
Tgt Ion: 42 Resp: 537

Ion Ratio Lower Upper

42 100

72 23.6 37.7 56.5#

71 5.2 34.6 52.0#



#31

Cyclohexane

Concen: 1.395 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX043333.D

Acq: 09 Oct 2024 12:49

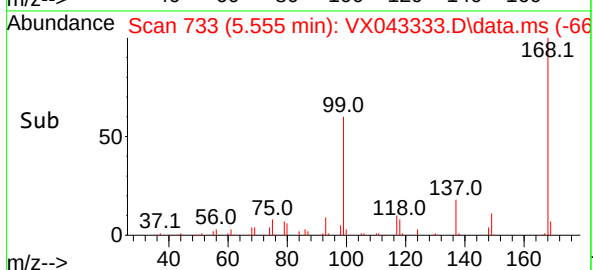
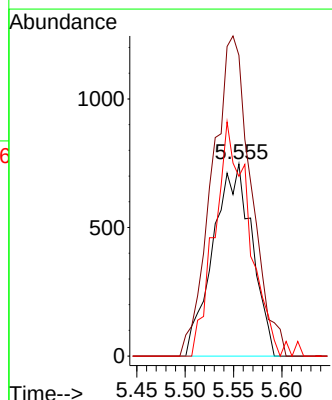
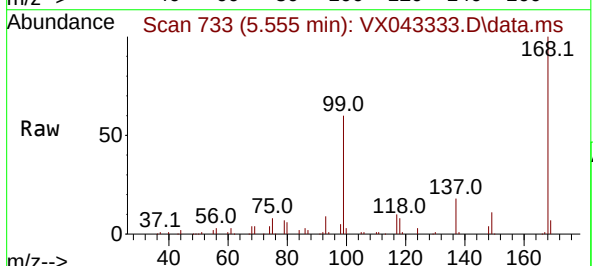
Tgt Ion: 56 Resp: 2092

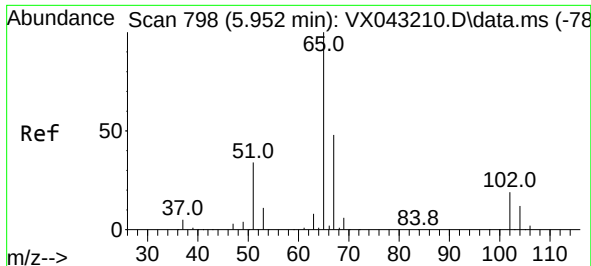
Ion Ratio Lower Upper

56 100

69 156.6 25.8 38.6#

84 93.6 71.1 106.7

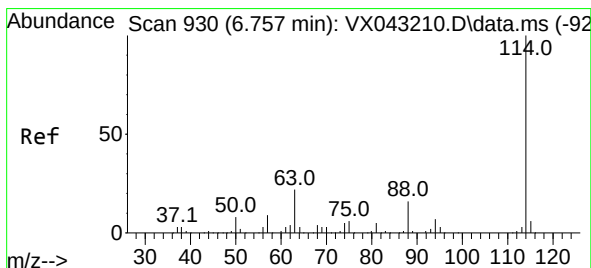
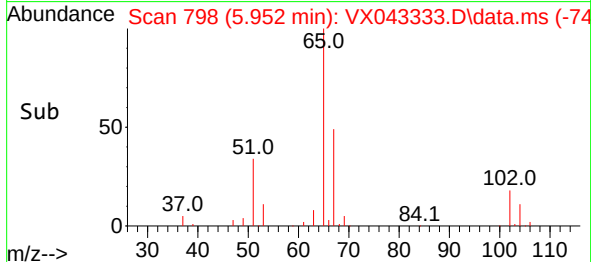
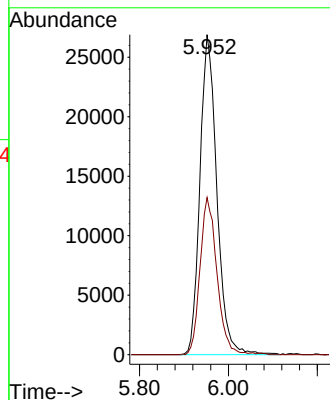
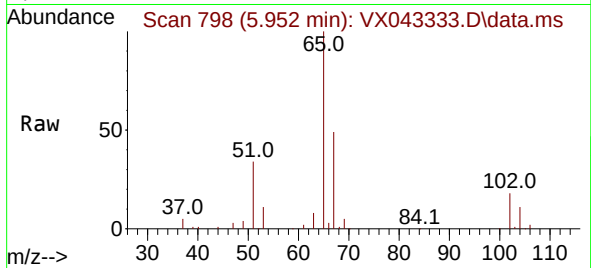




#33
 1,2-Dichloroethane-d4
 Concen: 51.282 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX043333.D
 Acq: 09 Oct 2024 12:49

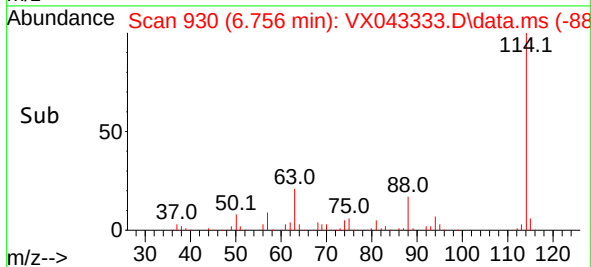
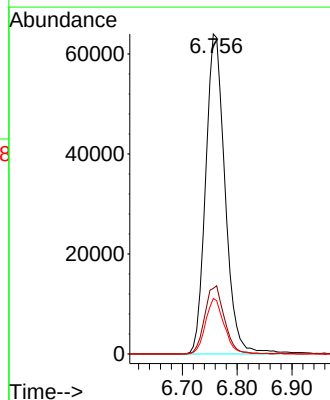
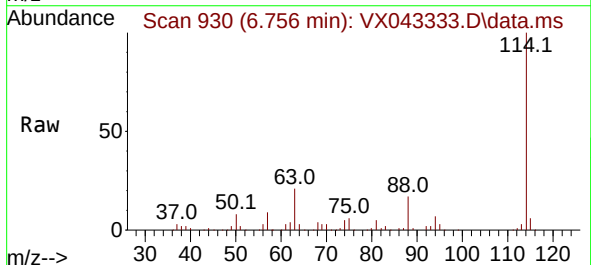
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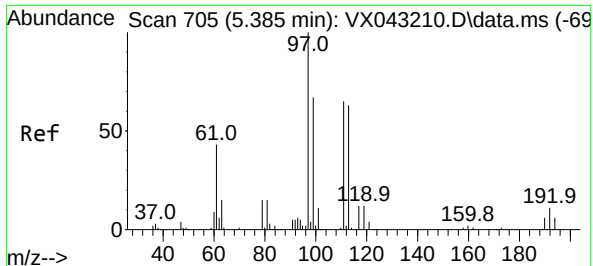
Tgt Ion: 65 Resp: 71253
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.756 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043333.D
 Acq: 09 Oct 2024 12:49

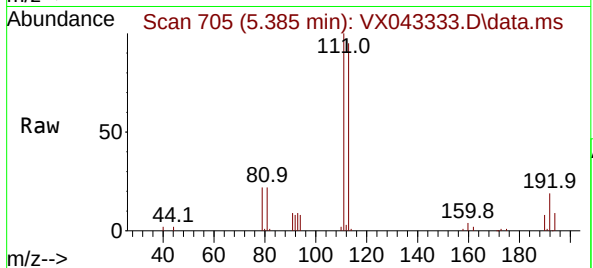
Tgt Ion: 114 Resp: 156698
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.0
 88 17.4 0.0 33.0



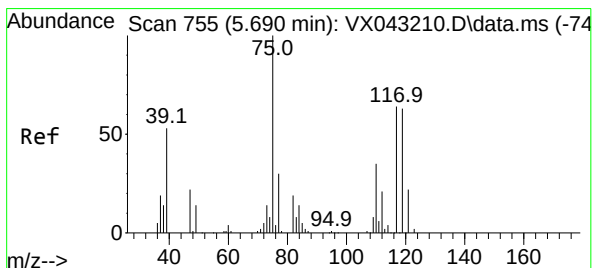
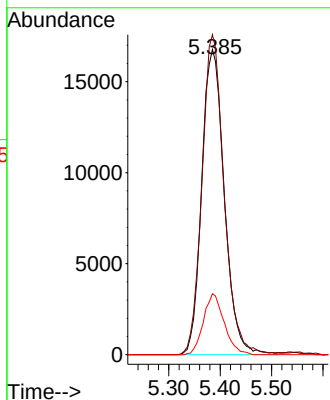
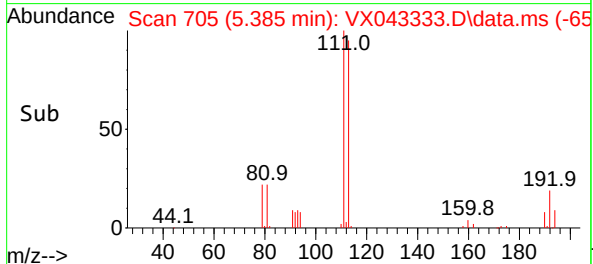


#35
Dibromofluoromethane
Concen: 47.409 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

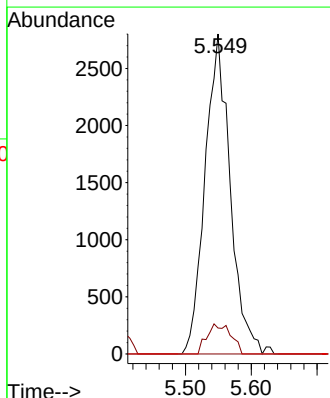
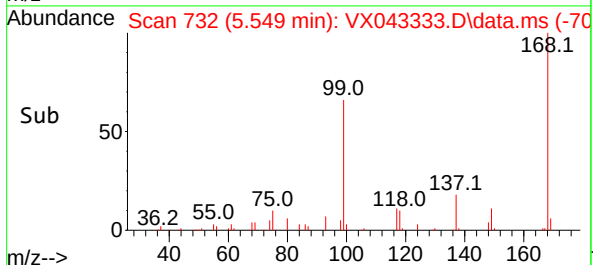
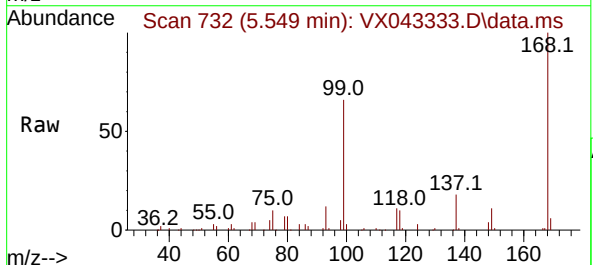


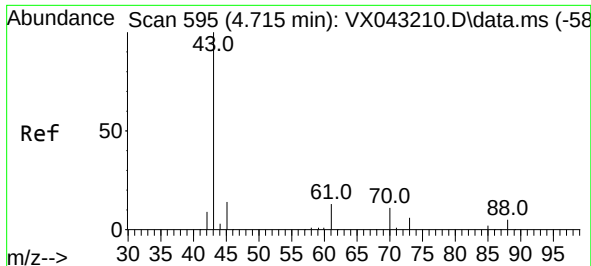
Tgt Ion:113 Resp: 51233
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.461 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Tgt Ion: 75 Resp: 7456
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.778 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.030 min

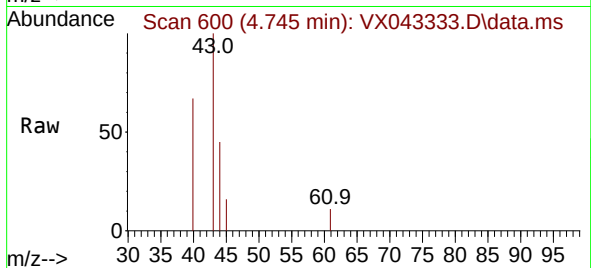
Lab File: VX043333.D

Acq: 09 Oct 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :



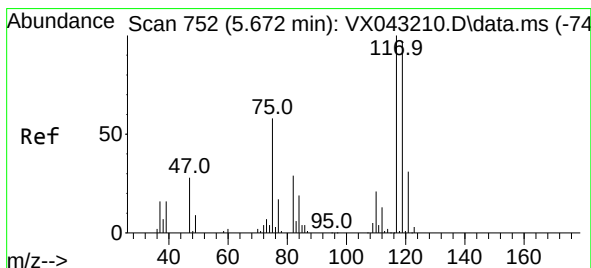
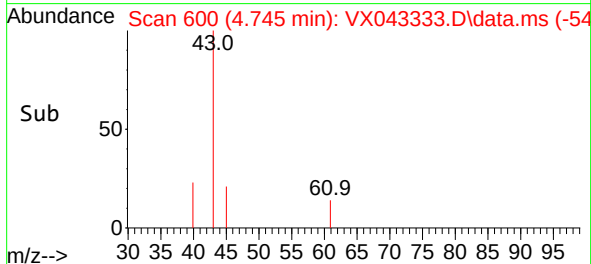
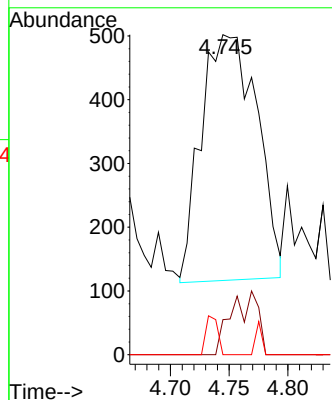
Tgt Ion: 43 Resp: 1276

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 3.3 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.782 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX043333.D

Acq: 09 Oct 2024 12:49

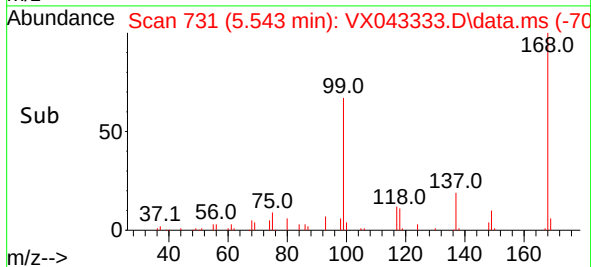
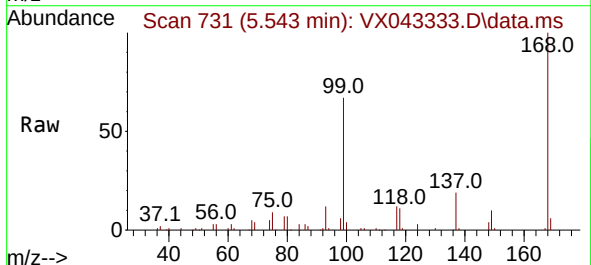
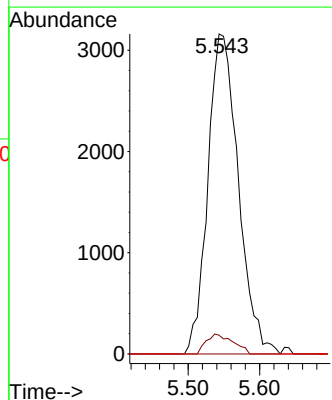
Tgt Ion: 117 Resp: 9344

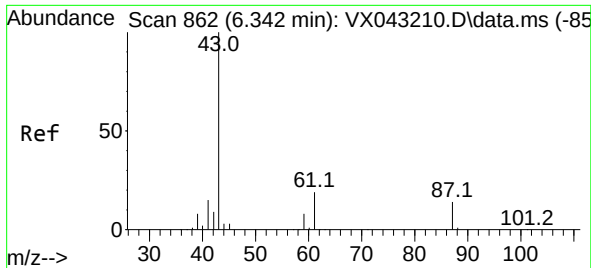
Ion Ratio Lower Upper

117 100

119 5.9 77.7 116.5#

121 0.0 24.3 36.5#

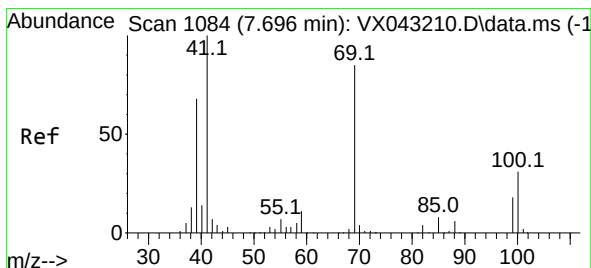
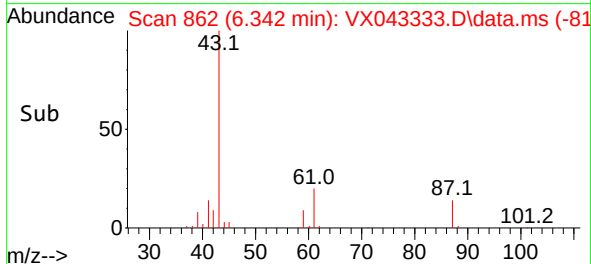
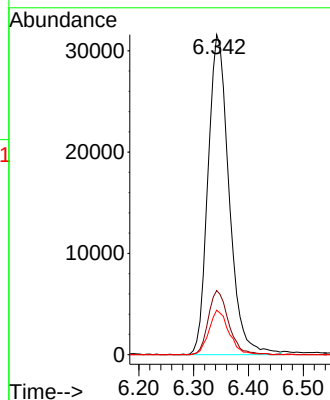
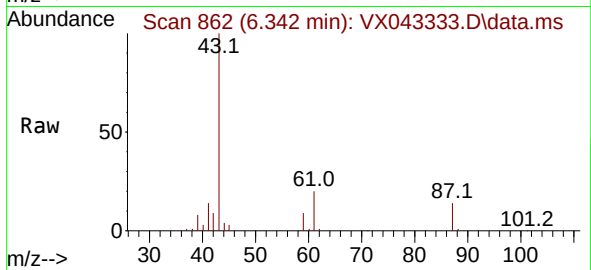




#43
Isopropyl Acetate
Concen: 31.086 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

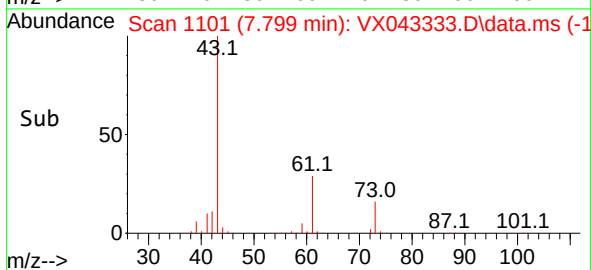
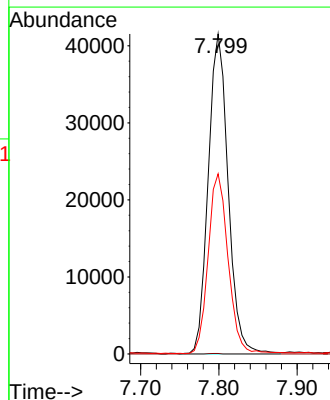
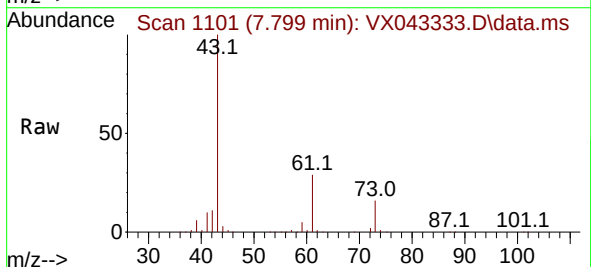
Instrument :
MSVOA_X
ClientSampleId :

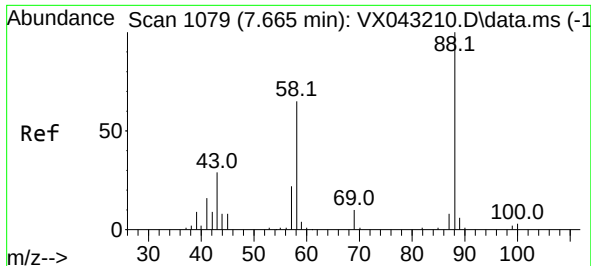
Tgt Ion: 43 Resp: 84177
Ion Ratio Lower Upper
43 100
61 19.3 15.1 22.7
87 13.3 10.8 16.2



#48
Methyl methacrylate
Concen: 55.200 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Tgt Ion: 41 Resp: 73342
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.2 52.8 79.2

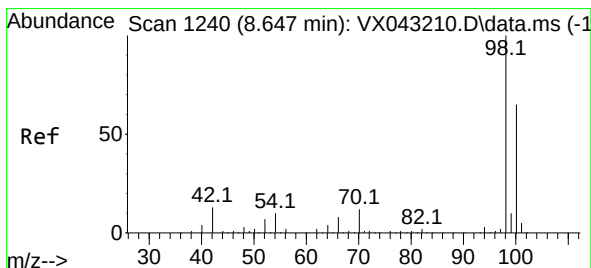
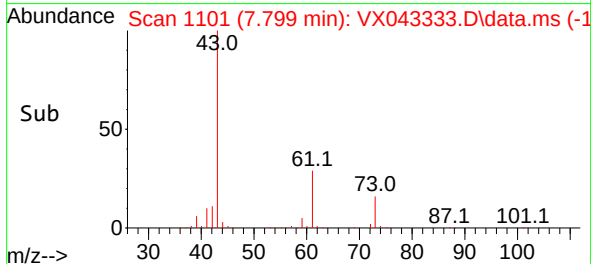
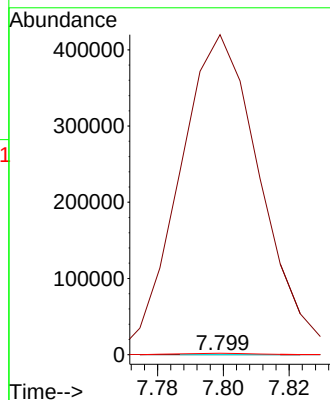
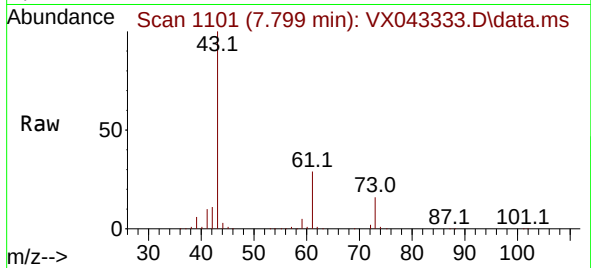




#49
1,4-Dioxane
Concen: 2.207 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

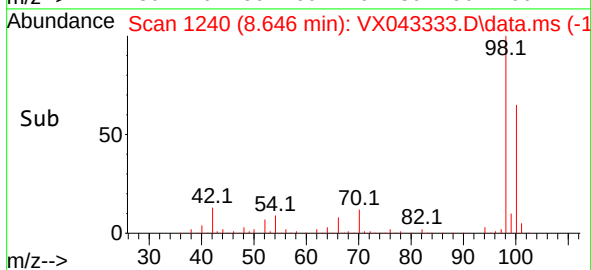
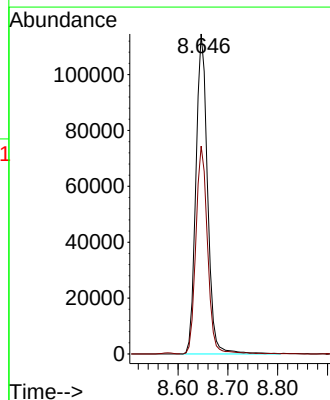
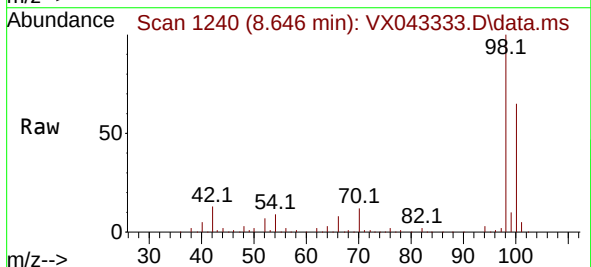
Instrument :
MSVOA_X
ClientSampleId :

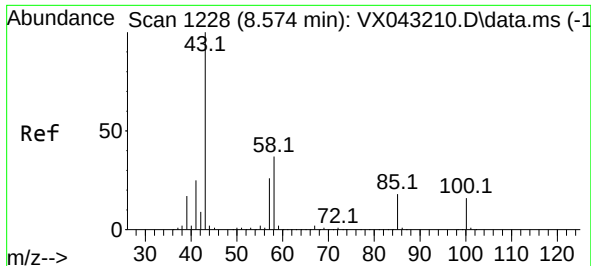
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 1294080.7 29.5 44.3#
58 5450.9 55.2 82.8#



#50
Toluene-d8
Concen: 49.644 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Tgt Ion: 98 Resp: 185913
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

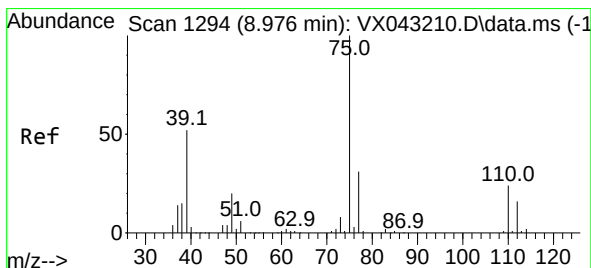
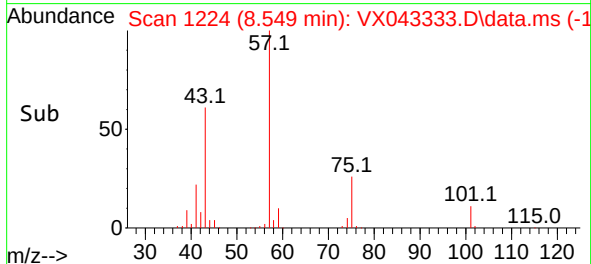
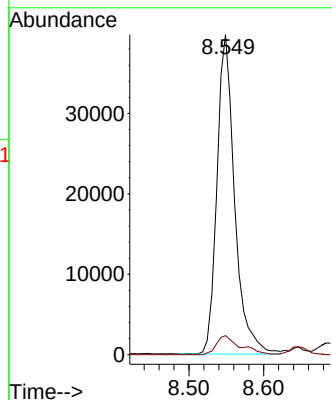
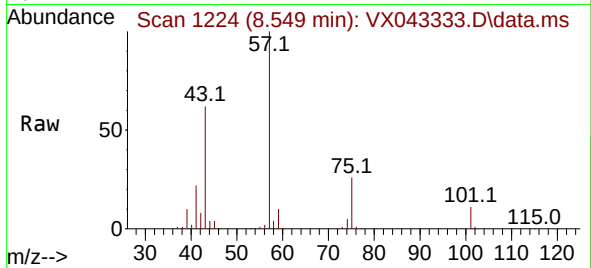




#51
4-Methyl-2-Pentanone
Concen: 39.822 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

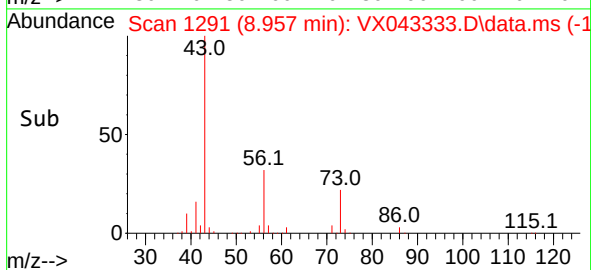
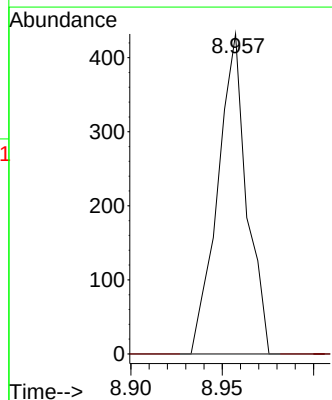
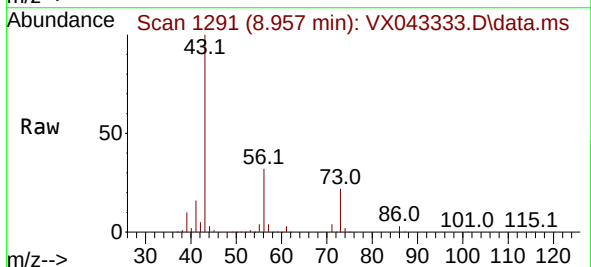
Instrument :
MSVOA_X
ClientSampleId :

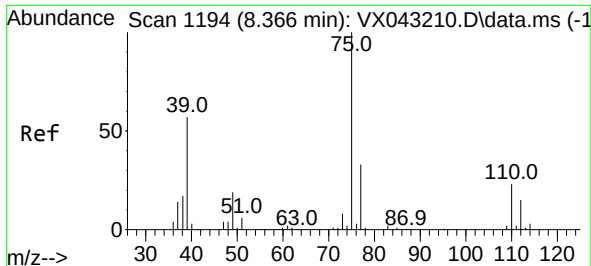
Tgt Ion: 43 Resp: 65494
Ion Ratio Lower Upper
43 100
58 8.0 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.301 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Tgt Ion: 75 Resp: 479
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

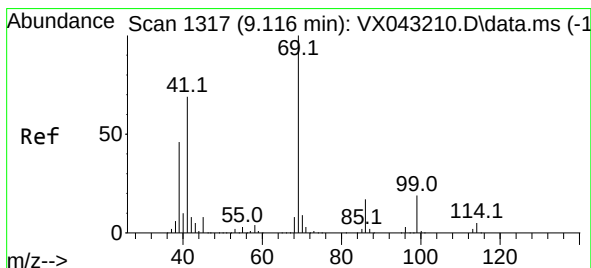
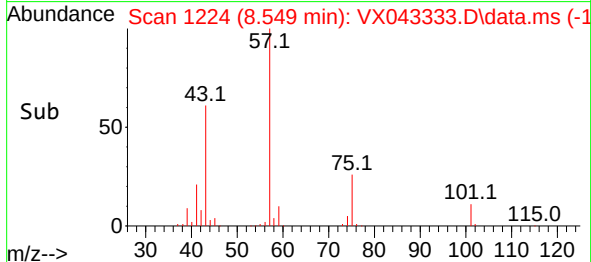
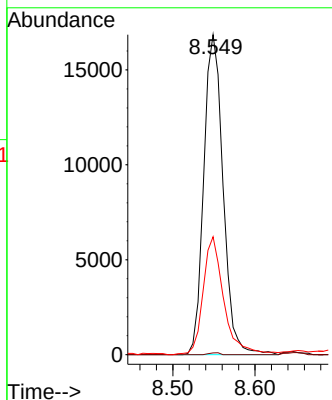
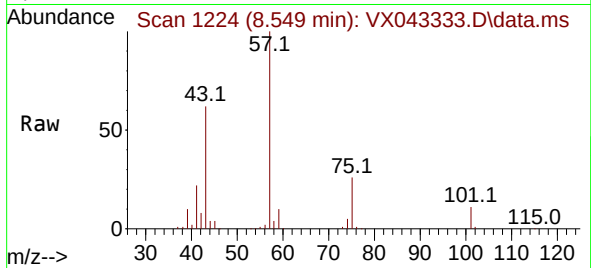




#54
 cis-1,3-Dichloropropene
 Concen: 16.146 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.182 min
 Lab File: VX043333.D
 Acq: 09 Oct 2024 12:49

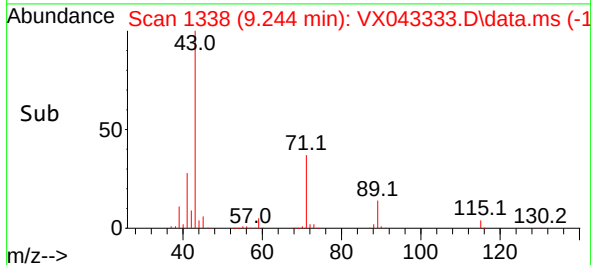
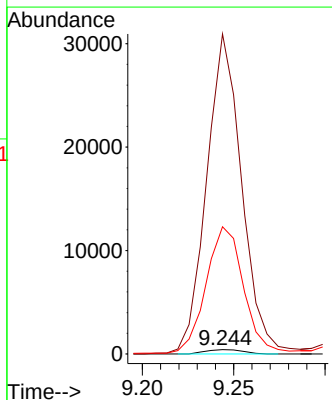
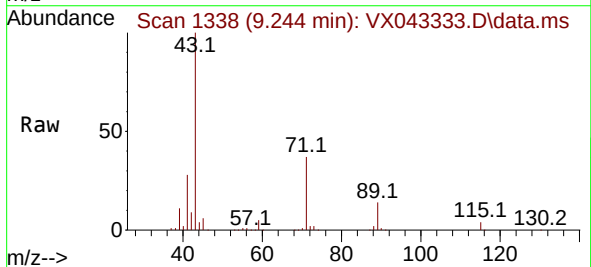
Instrument :
 MSVOA_X
 ClientSampleId :

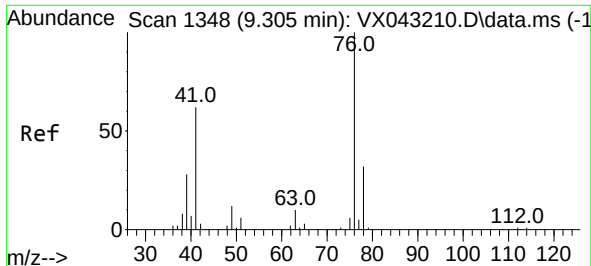
Tgt Ion: 75 Resp: 27537
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.0 39.0#
 39 36.5 45.8 68.8#



#56
 Ethyl methacrylate
 Concen: 0.354 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX043333.D
 Acq: 09 Oct 2024 12:49

Tgt Ion: 69 Resp: 597
 Ion Ratio Lower Upper
 69 100
 41 6972.2 56.1 84.1#
 39 2979.2 36.4 54.6#





#57

1,3-Dichloropropane

Concen: 1.910 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX043333.D

Acq: 09 Oct 2024 12:49

Instrument :

MSVOA_X

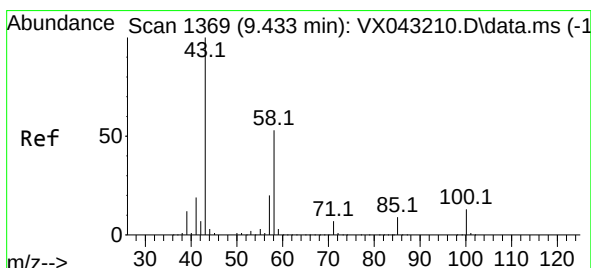
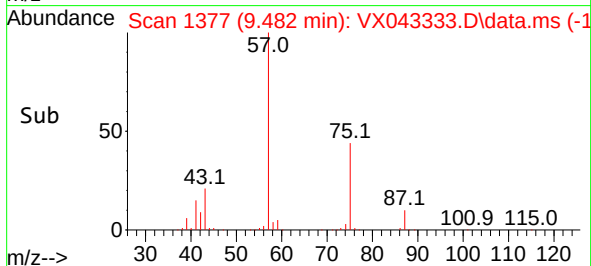
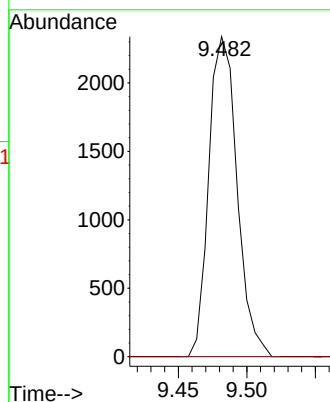
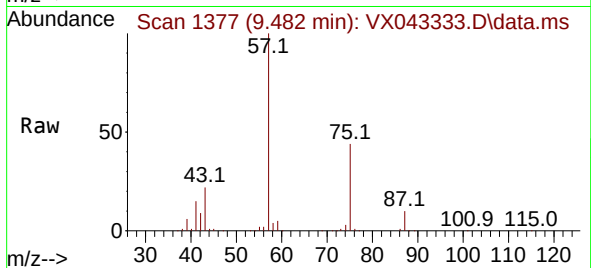
ClientSampleId :

Tgt Ion: 76 Resp: 3354

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 41.184 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX043333.D

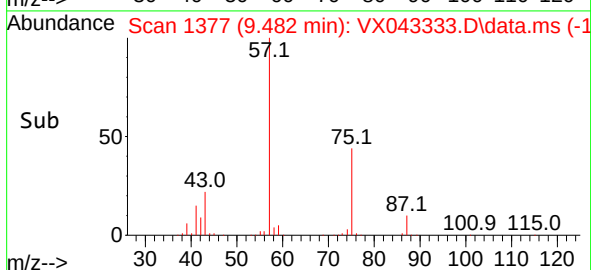
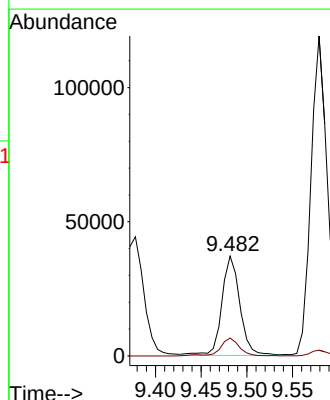
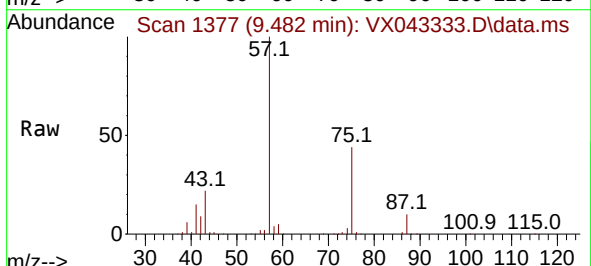
Acq: 09 Oct 2024 12:49

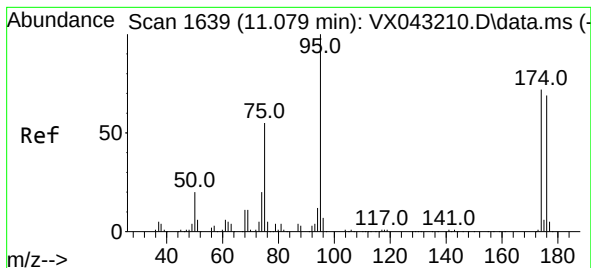
Tgt Ion: 43 Resp: 51221

Ion Ratio Lower Upper

43 100

58 19.2 26.1 78.3#

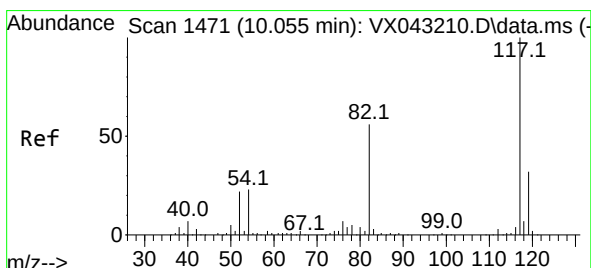
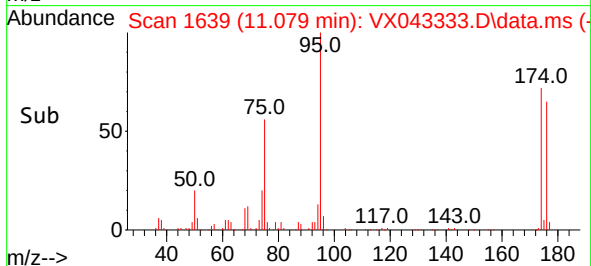
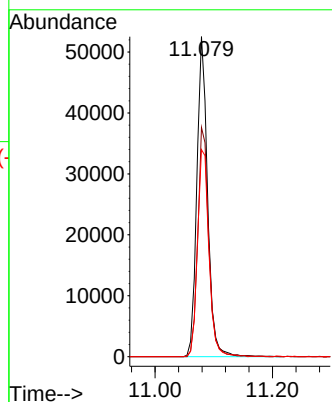
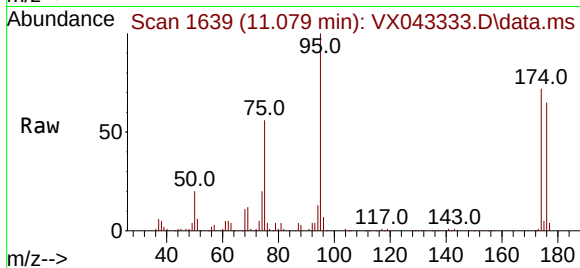




#62
4-Bromofluorobenzene
Concen: 49.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

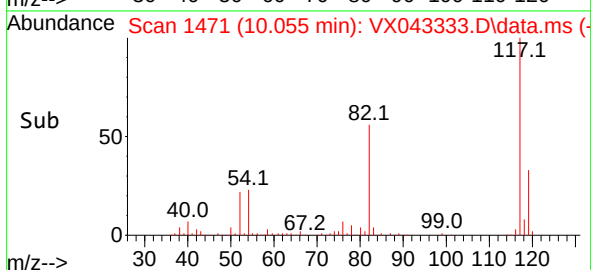
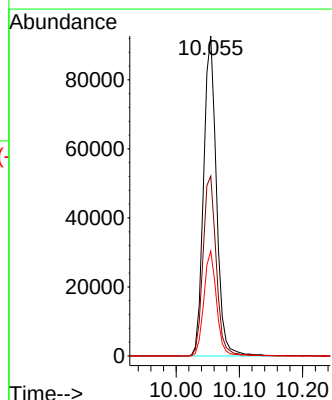
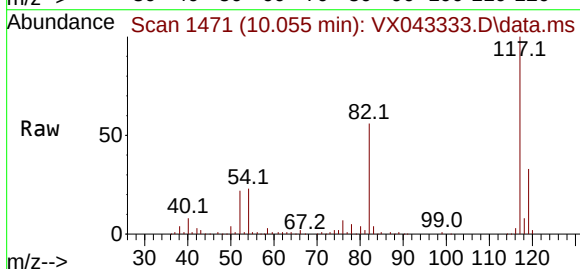
Instrument :
MSVOA_X
ClientSampleId :

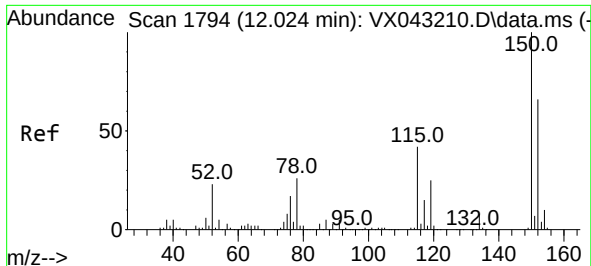
Tgt Ion: 95 Resp: 66702
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.0
176 69.3 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

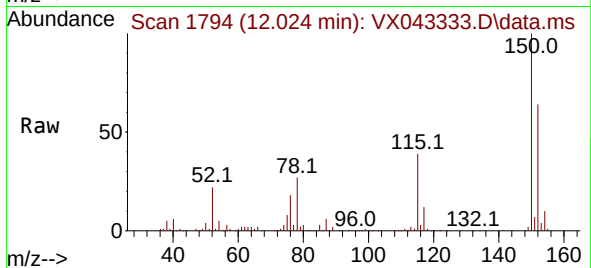
Tgt Ion: 117 Resp: 131494
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.6
119 32.8 25.3 37.9



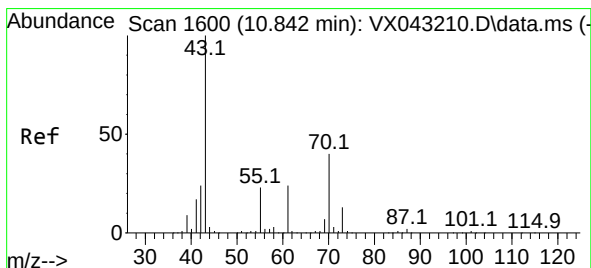
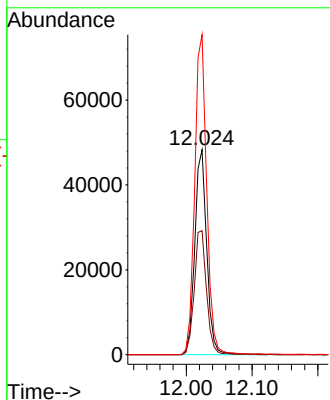
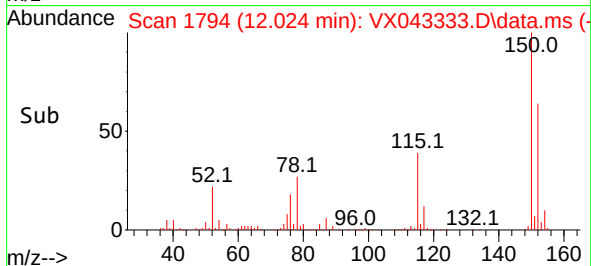


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

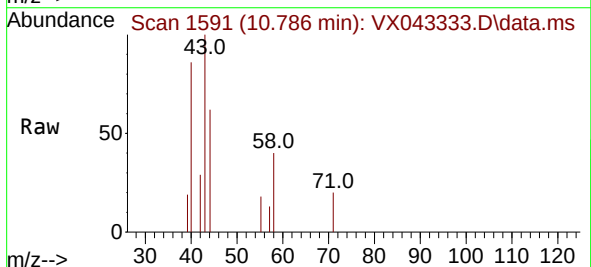
Instrument :
MSVOA_X
ClientSampleId :



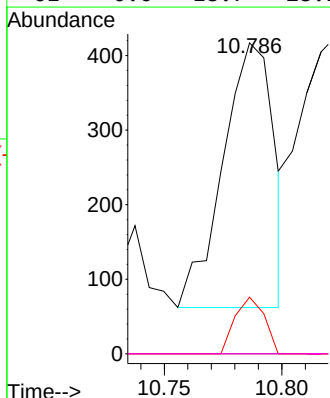
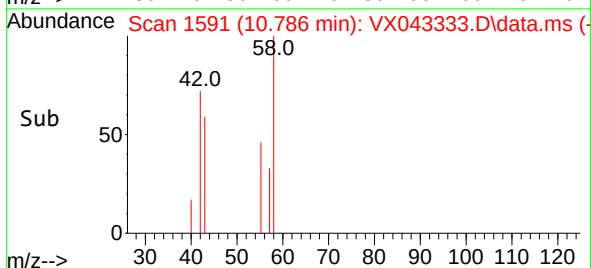
Tgt Ion:152 Resp: 60735
Ion Ratio Lower Upper
152 100
115 62.3 44.1 132.3
150 156.6 0.0 347.4

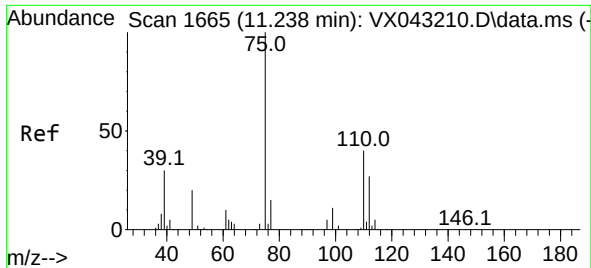


#74
N-ethyl acetate
Concen: 0.240 ug/l
RT: 10.786 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49



Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
70 0.0 33.1 49.7#
55 12.3 18.6 27.8#
61 0.0 18.7 28.1#

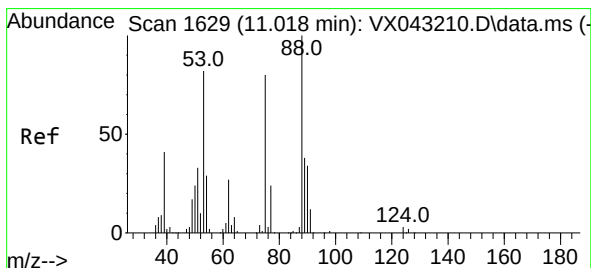
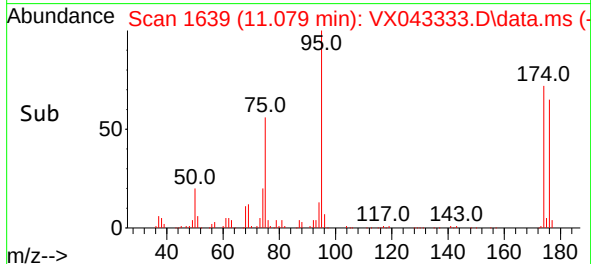
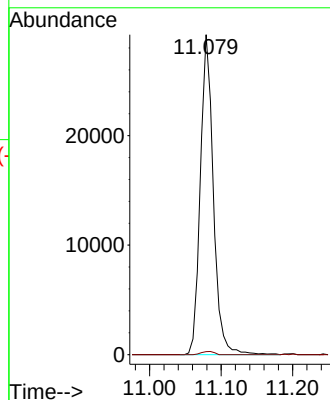
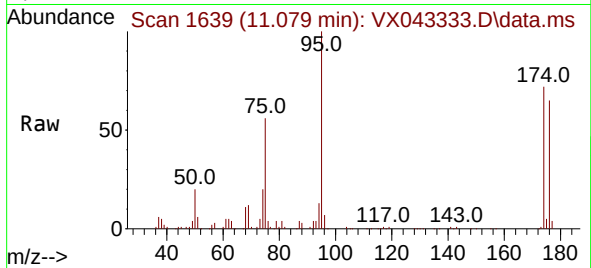




#76
1,2,3-Trichloropropane
Concen: 27.458 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 36990
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043333.D
Acq: 09 Oct 2024 12:49

Tgt Ion: 75 Resp: 36990
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.1 38.6 58.0#

