

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
 Data File : VX043741.D
 Acq On : 07 Nov 2024 17:02
 Operator : JC/MD
 Sample : P4722-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 08 04:11:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

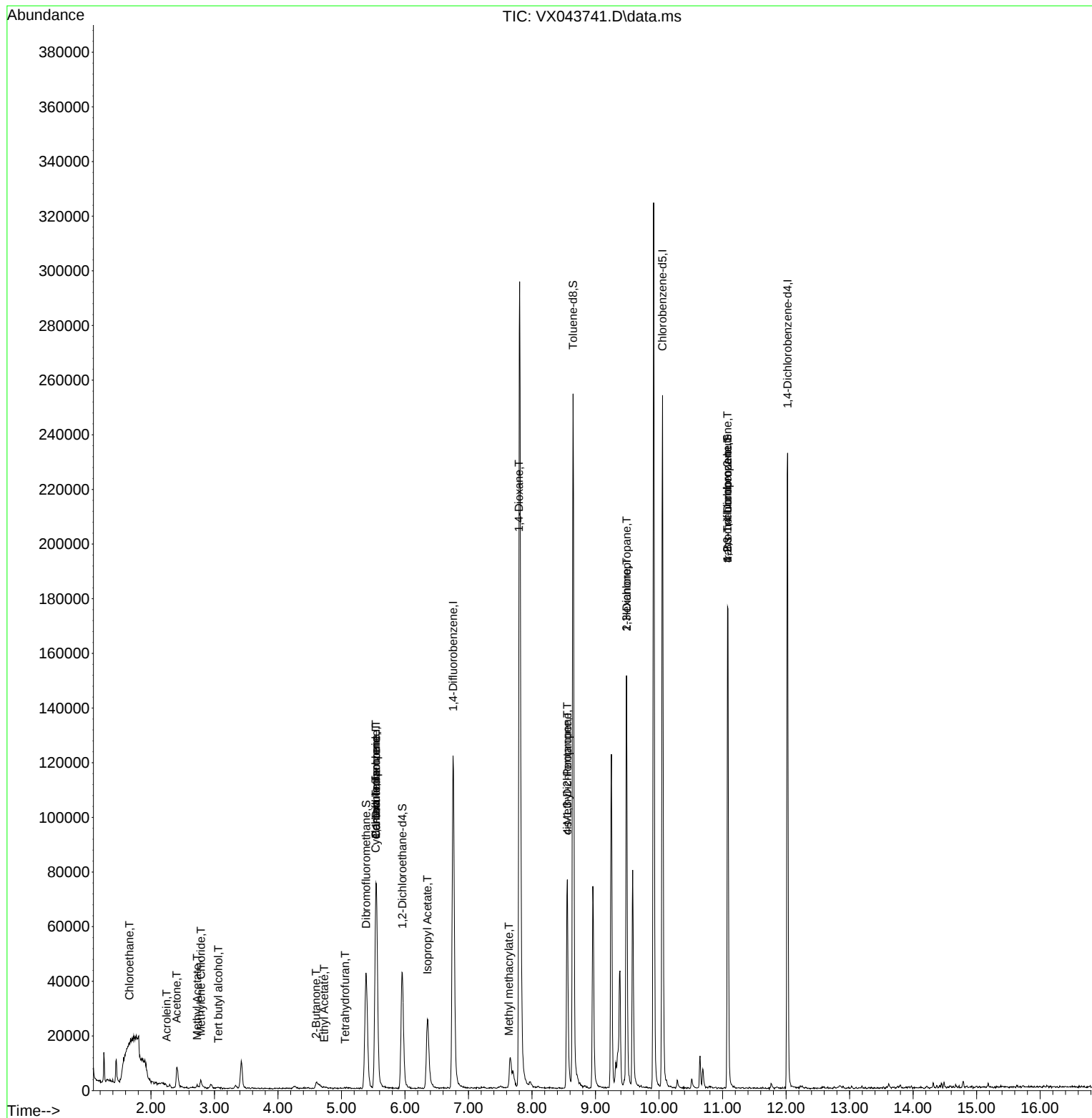
Internal Standards						
1) Pentafluorobenzene	5.544	168	78752	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	139931	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	42738	34.035	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	68.060%#
35) Dibromofluoromethane	5.385	113	39285	41.402	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	82.800%
50) Toluene-d8	8.647	98	163330	49.726	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.460%
62) 4-Bromofluorobenzene	11.079	95	53343	43.827	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.660%
Target Compounds						
						Qvalue
6) Chloroethane	1.660	64	87	0.247	ug/l	# 43
11) Tert butyl alcohol	3.062	59	243	1.037	ug/l	# 100
13) Acrolein	2.246	56	57	0.311	ug/l	# 15
16) Acetone	2.404	43	11210	22.481	ug/l	99
18) Methyl Acetate	2.727	43	1528	1.048	ug/l	97
20) Methylene Chloride	2.788	84	1459	1.358	ug/l	# 88
25) 2-Butanone	4.599	43	6097	8.382	ug/l	# 84
29) Tetrahydrofuran	5.056	42	221	0.468	ug/l	# 32
31) Cyclohexane	5.538	56	1170	0.882	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	5494	4.883	ug/l	# 46
37) Ethyl Acetate	4.727	43	294	0.215	ug/l	# 68
38) Carbon Tetrachloride	5.544	117	7820	6.290	ug/l	# 15
43) Isopropyl Acetate	6.355	43	41283	18.275	ug/l	98
48) Methyl methacrylate	7.635	41	1147	1.071	ug/l	# 13
49) 1,4-Dioxane	7.793	88	23	1.045	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	29626	21.517	ug/l	# 51
54) cis-1,3-Dichloropropene	8.555	75	15758	11.030	ug/l	# 54
57) 1,3-Dichloropropane	9.488	76	1436	0.911	ug/l	# 42
59) 2-Hexanone	9.488	43	19671	18.811	ug/l	# 58
76) 1,2,3-Trichloropropane	11.079	75	25778	22.415	ug/l	# 33
81) trans-1,4-Dichloro-2-b...	11.079	75	25778	61.665	ug/l	# 7

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
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QLast Update : Mon Oct 28 13:41:34 2024
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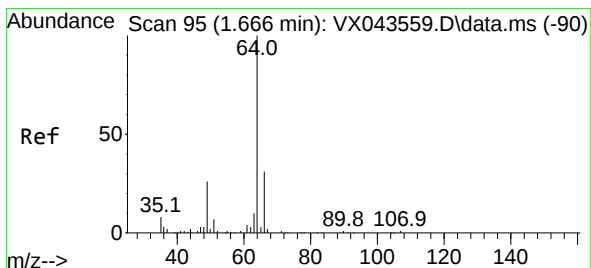
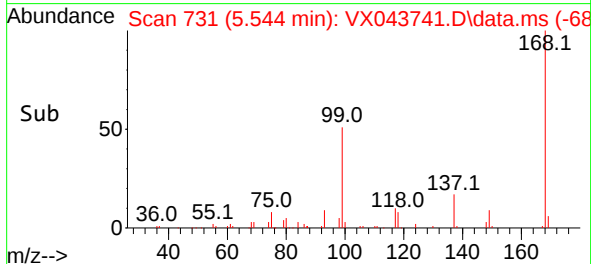
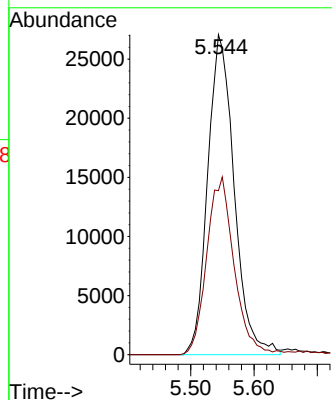
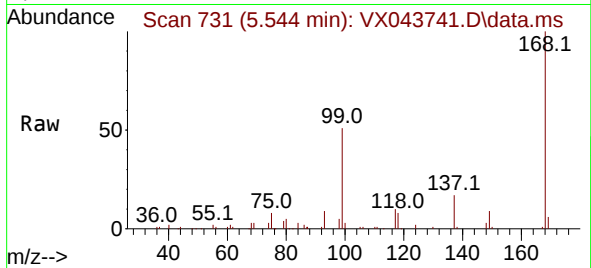




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

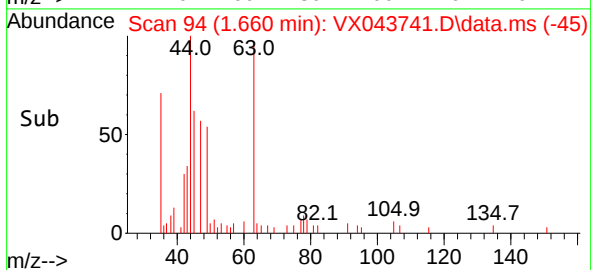
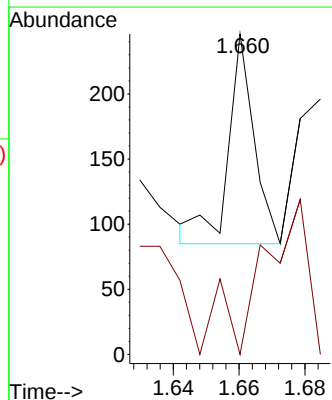
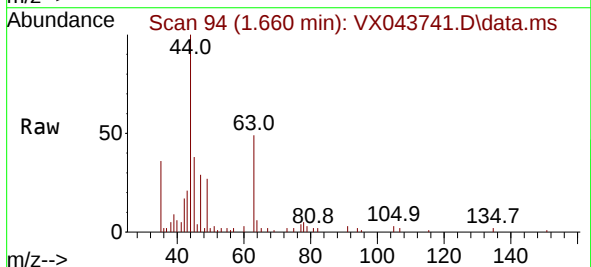
Instrument :
MSVOA_X
ClientSampleId :

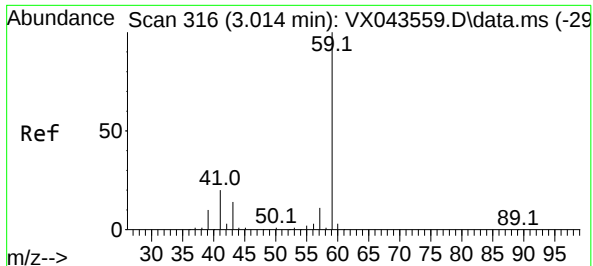
Tgt Ion:168 Resp: 78752
Ion Ratio Lower Upper
168 100
99 51.2 52.6 78.8#



#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.037 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.012 min

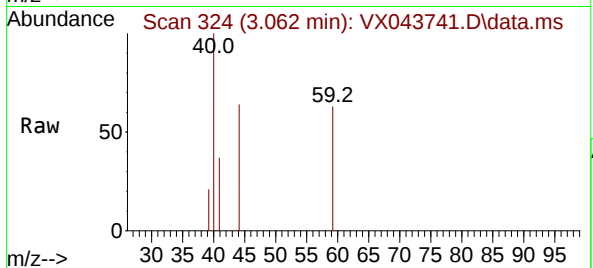
Lab File: VX043741.D

Acq: 07 Nov 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

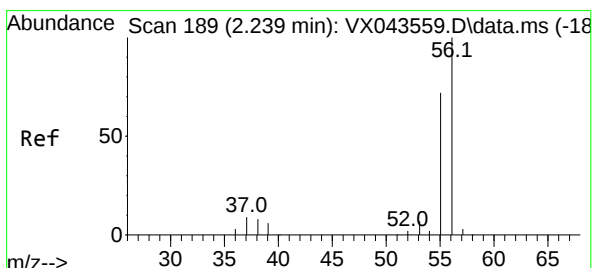
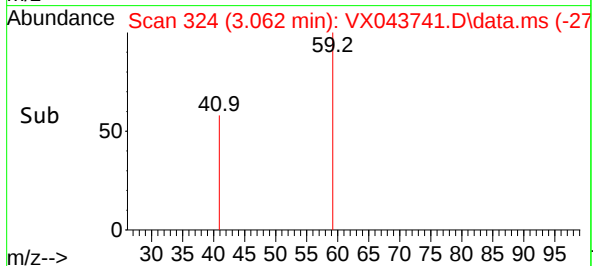
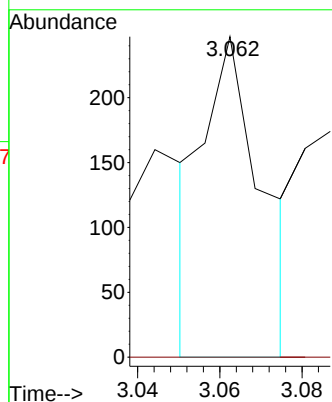


Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#13

Acrolein

Concen: 0.311 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX043741.D

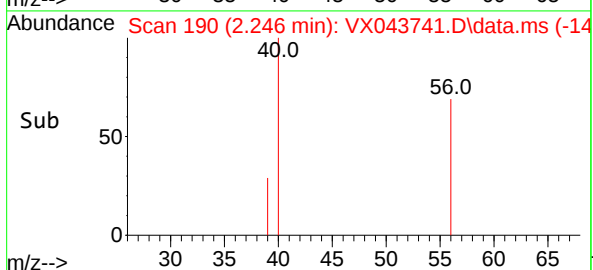
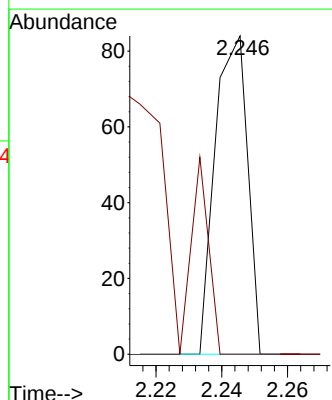
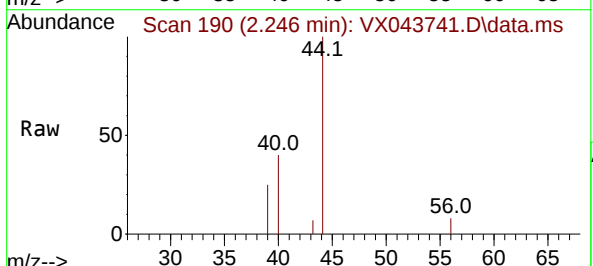
Acq: 07 Nov 2024 17:02

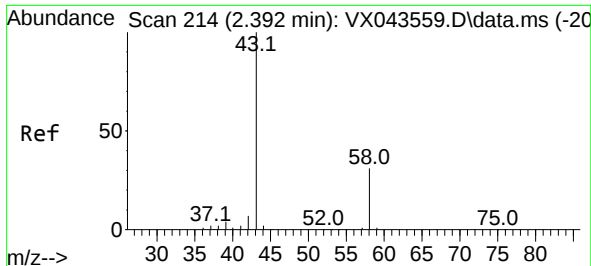
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#

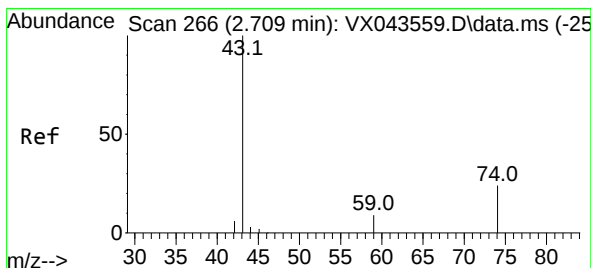
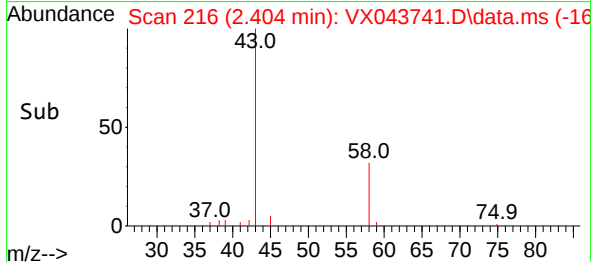
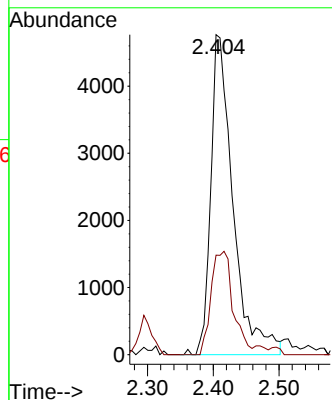
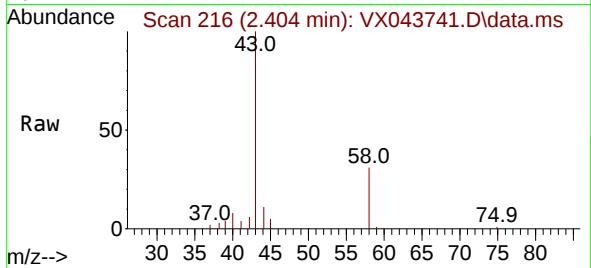




#16
Acetone
Concen: 22.481 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

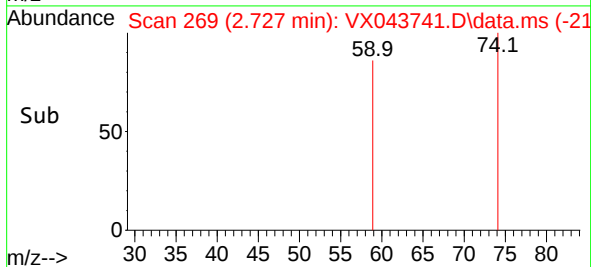
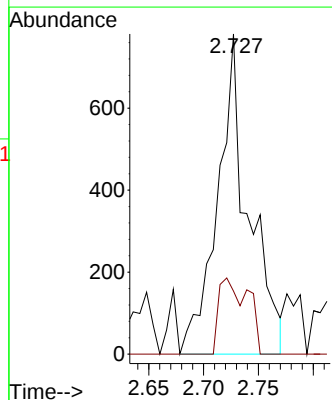
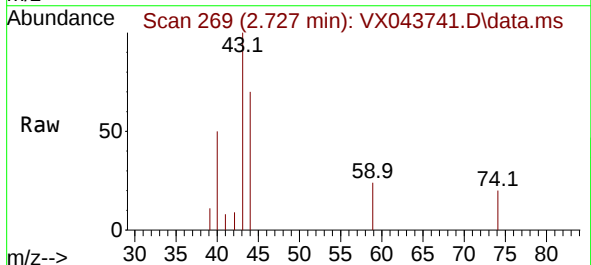
Instrument :
MSVOA_X
ClientSampleId :

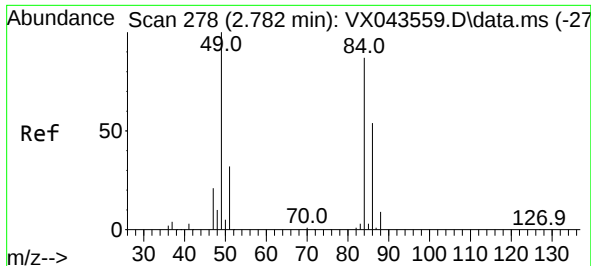
Tgt Ion: 43 Resp: 11210
Ion Ratio Lower Upper
43 100
58 31.1 25.1 37.7



#18
Methyl Acetate
Concen: 1.048 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.018 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

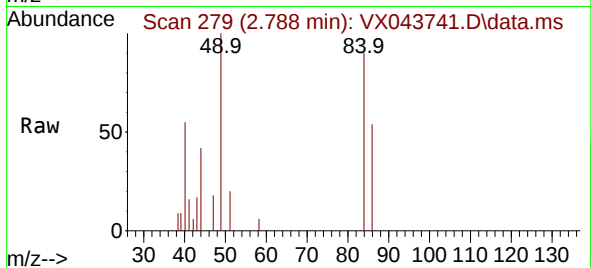
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
74 22.3 19.1 28.7



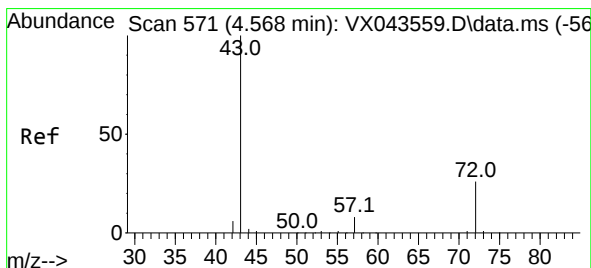
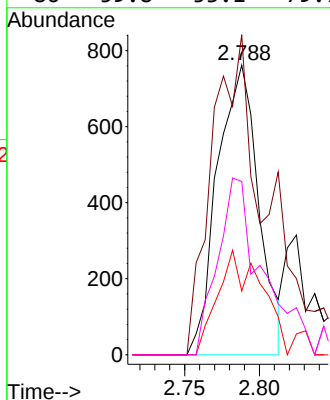
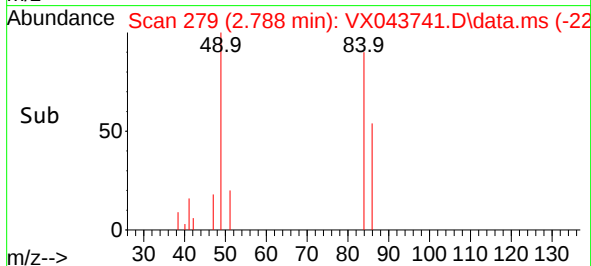


#20
Methylene Chloride
Concen: 1.358 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Instrument :
MSVOA_X
ClientSampleId :

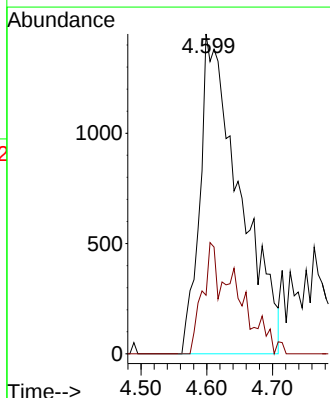
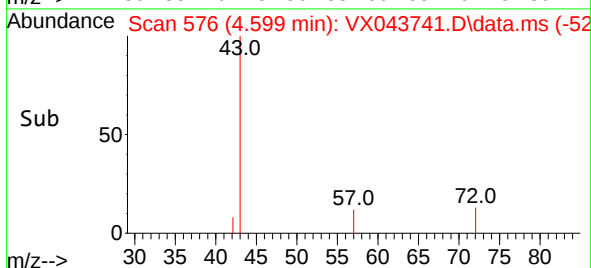
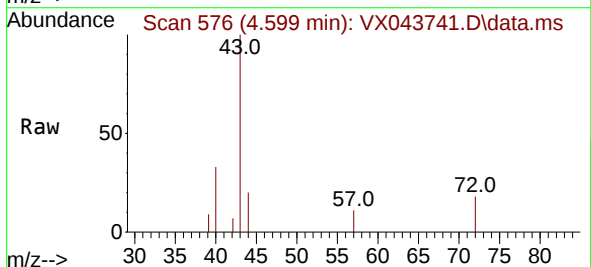


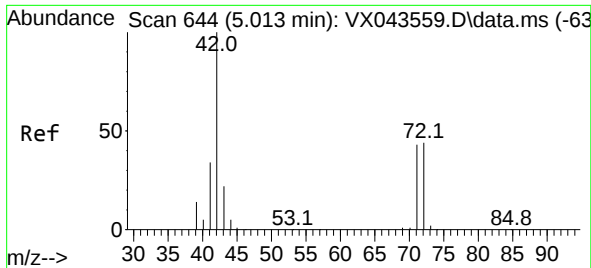
Tgt Ion:	84	Resp:	1459
Ion	Ratio	Lower	Upper
84	100		
49	110.5	97.0	145.6
51	22.0	29.8	44.8#
86	59.8	53.1	79.7



#25
2-Butanone
Concen: 8.382 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Tgt Ion:	43	Resp:	6097
Ion	Ratio	Lower	Upper
43	100		
72	18.3	21.1	31.7#





#29

Tetrahydrofuran

Concen: 0.468 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.043 min

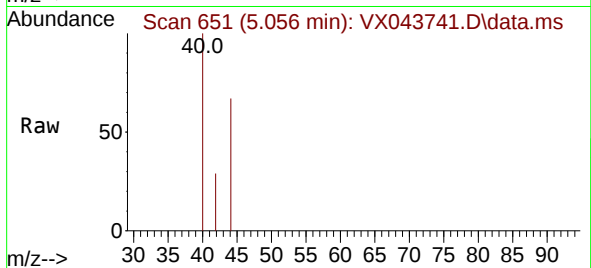
Lab File: VX043741.D

Acq: 07 Nov 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :



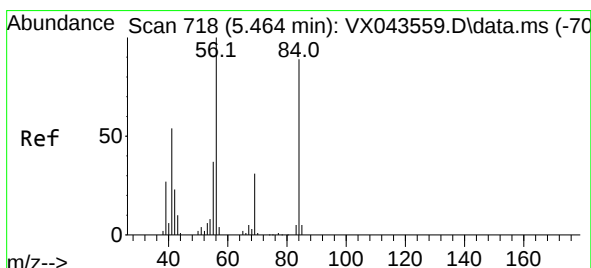
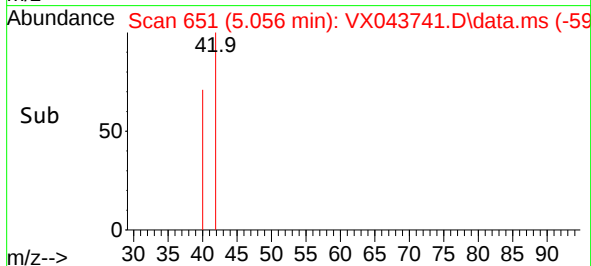
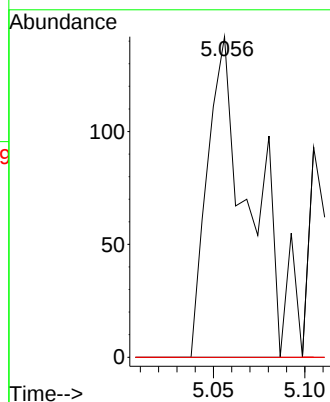
Tgt Ion: 42 Resp: 221

Ion Ratio Lower Upper

42 100

72 0.0 36.6 55.0#

71 0.0 34.2 51.4#



#31

Cyclohexane

Concen: 0.882 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX043741.D

Acq: 07 Nov 2024 17:02

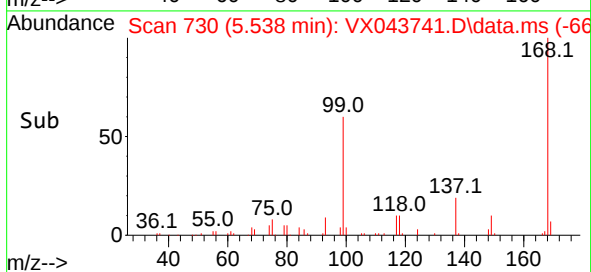
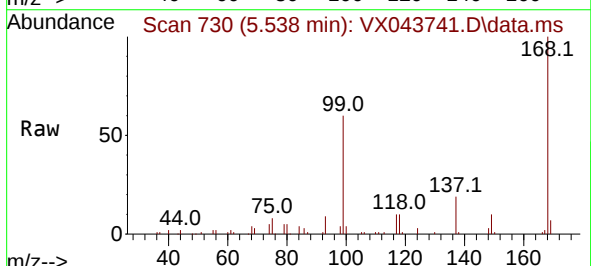
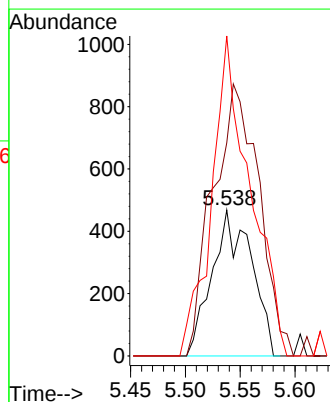
Tgt Ion: 56 Resp: 1170

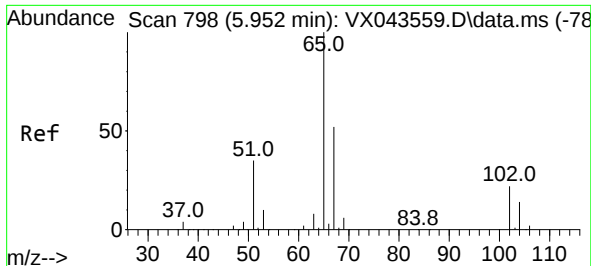
Ion Ratio Lower Upper

56 100

69 146.2 24.9 37.3#

84 219.4 73.3 109.9#

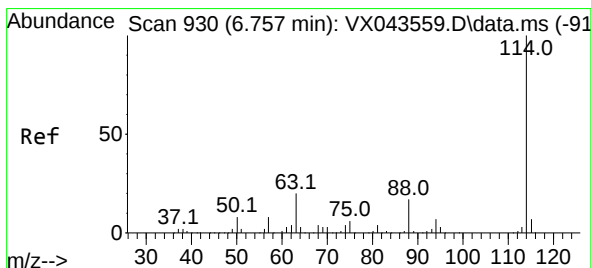
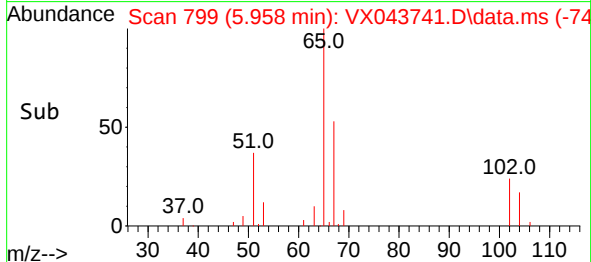
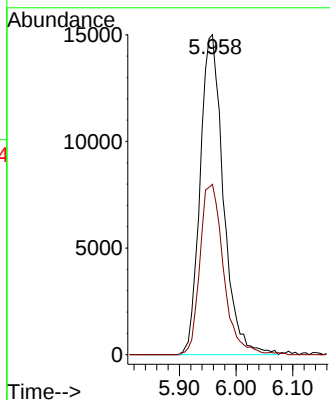
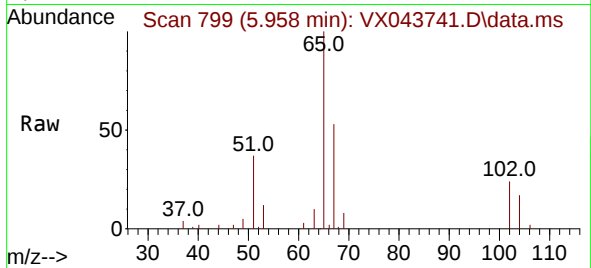




#33
1,2-Dichloroethane-d4
Concen: 34.035 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

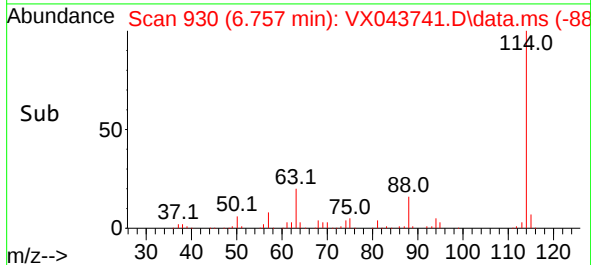
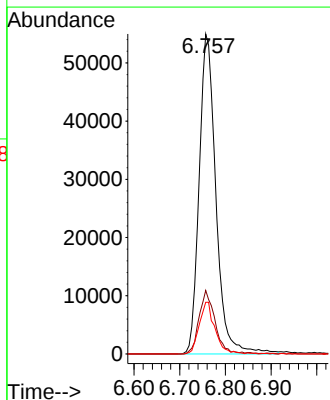
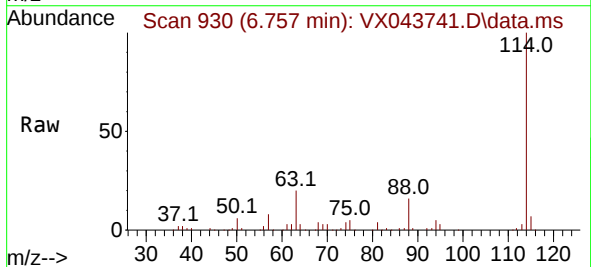
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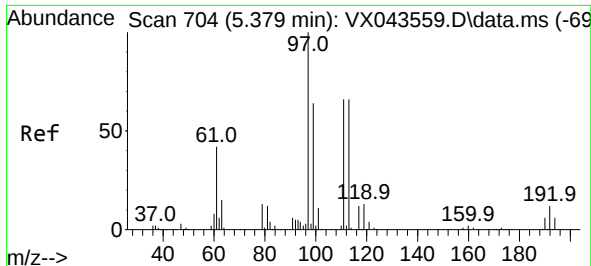
Tgt Ion: 65 Resp: 42738
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

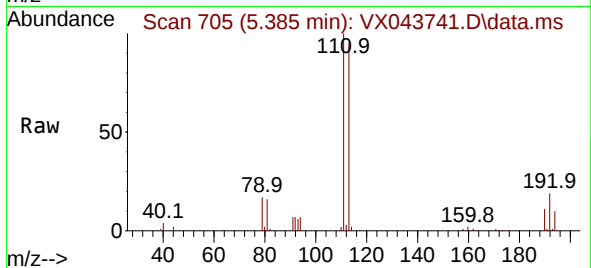
Tgt Ion: 114 Resp: 139931
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.2
88 16.1 0.0 34.0



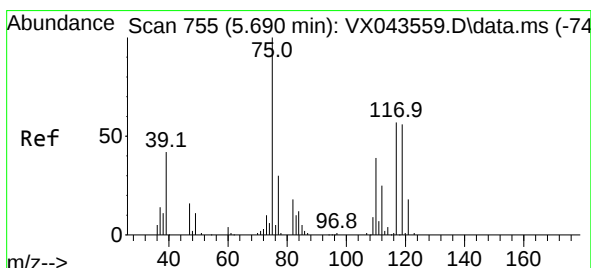
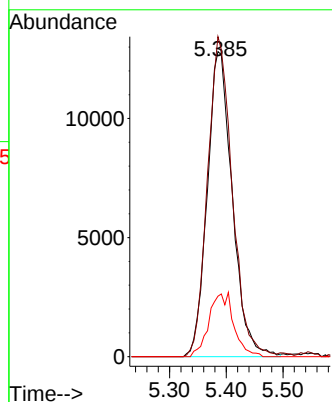
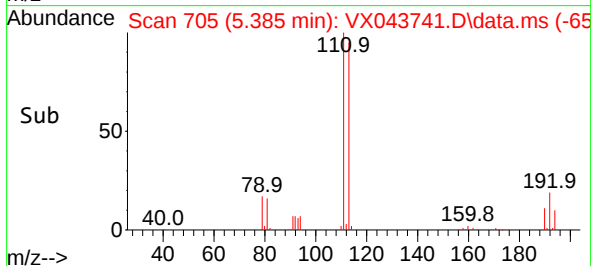


#35
Dibromofluoromethane
Concen: 41.402 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Instrument :
MSVOA_X
ClientSampleId :

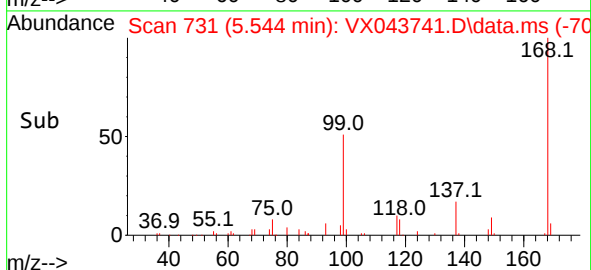
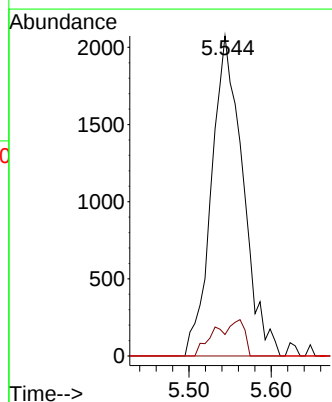
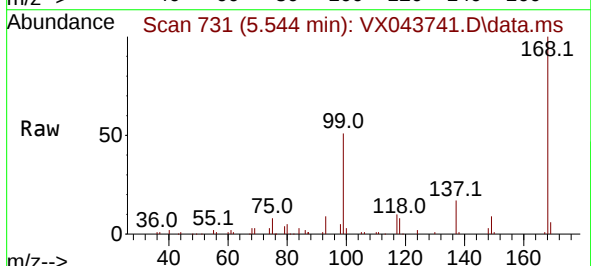


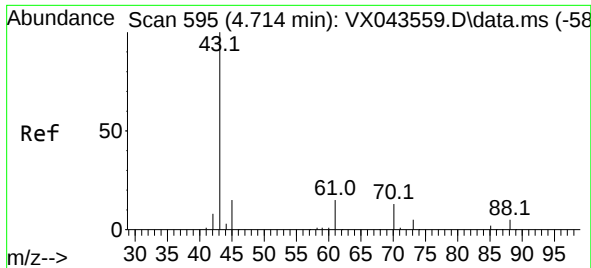
Tgt Ion:113 Resp: 39285
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 20.7 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Tgt Ion: 75 Resp: 5494
Ion Ratio Lower Upper
75 100
110 5.2 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.215 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX043741.D

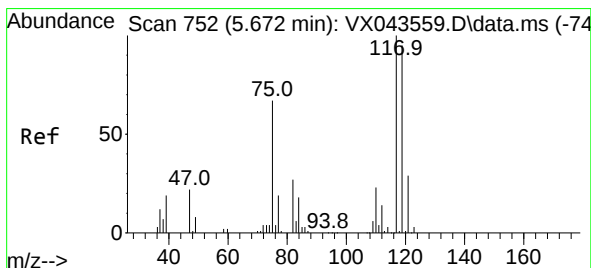
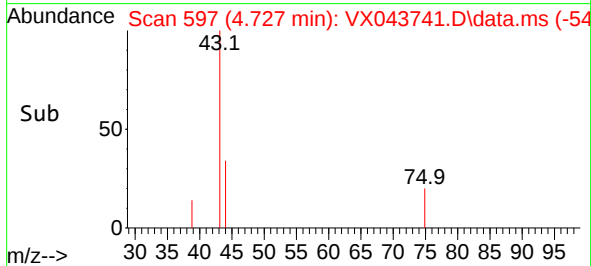
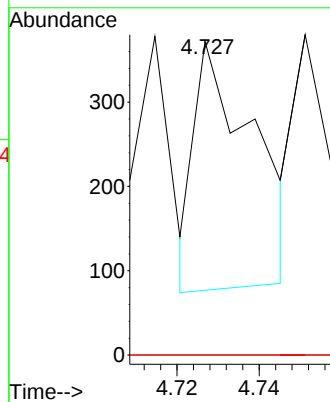
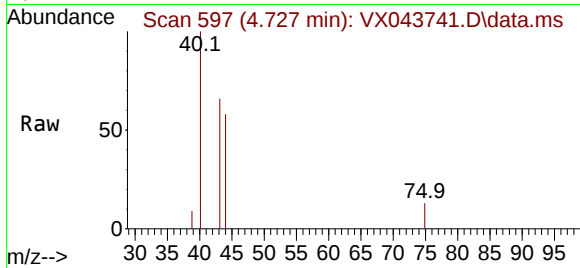
Acq: 07 Nov 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp: 294
Ion Ratio	Lower Upper
43 100	
61 0.0	11.0 16.6#
70 0.0	8.9 13.3#



#38

Carbon Tetrachloride

Concen: 6.290 ug/l

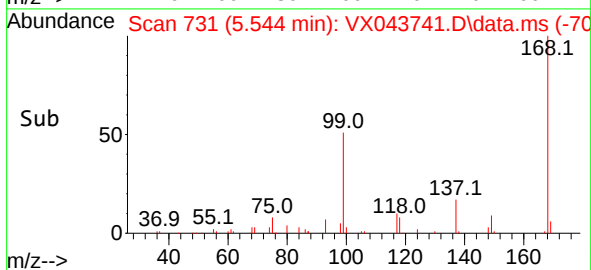
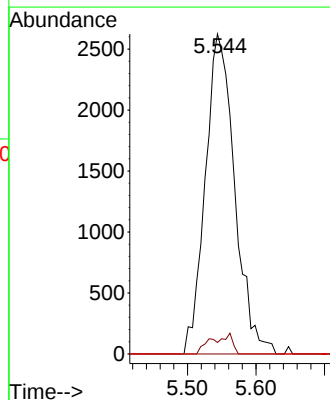
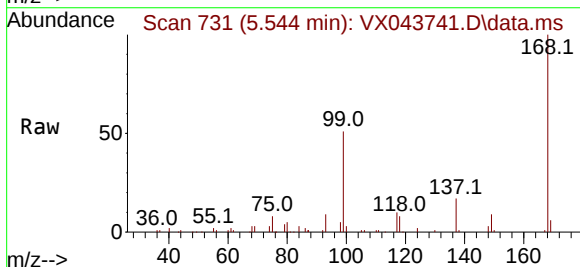
RT: 5.544 min Scan# 731

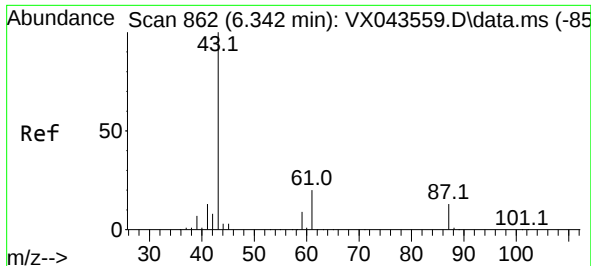
Delta R.T. -0.128 min

Lab File: VX043741.D

Acq: 07 Nov 2024 17:02

Tgt Ion: 117	Resp: 7820
Ion Ratio	Lower Upper
117 100	
119 3.6	77.0 115.6#
121 0.0	24.7 37.1#

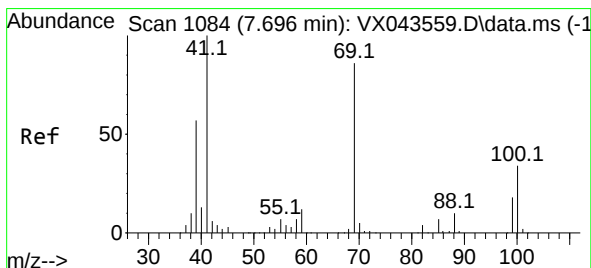
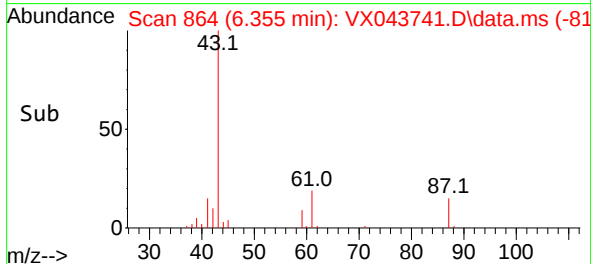
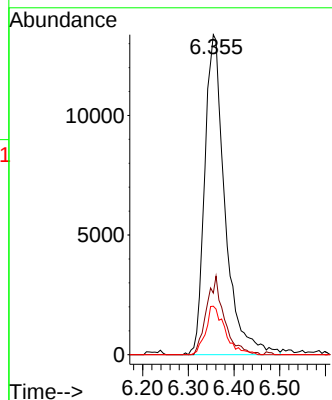
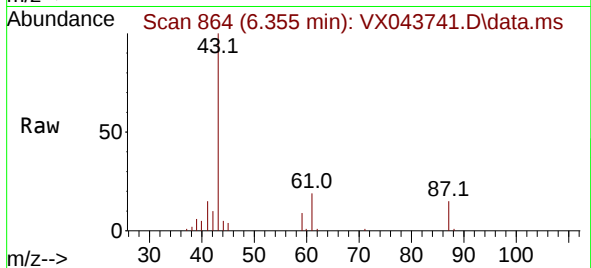




#43
Isopropyl Acetate
Concen: 18.275 ug/l
RT: 6.355 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

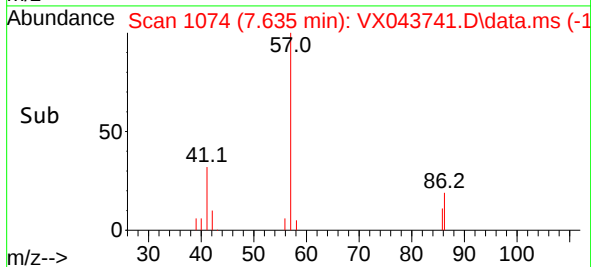
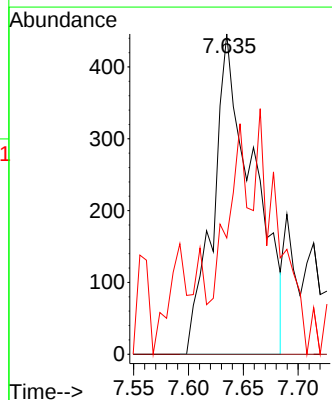
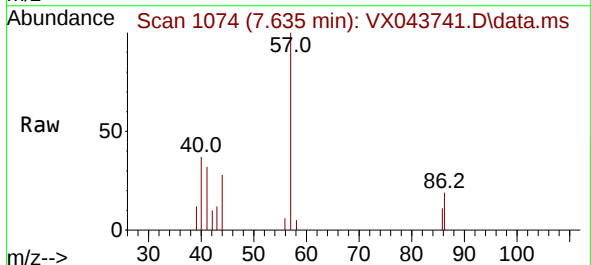
Instrument :
MSVOA_X
ClientSampleId :

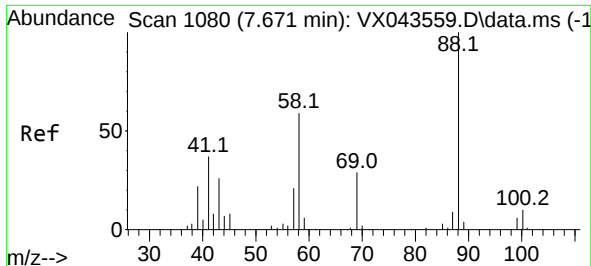
Tgt Ion: 43 Resp: 41283
Ion Ratio Lower Upper
43 100
61 21.5 16.2 24.4
87 14.5 11.0 16.6



#48
Methyl methacrylate
Concen: 1.071 ug/l
RT: 7.635 min Scan# 1074
Delta R.T. -0.061 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

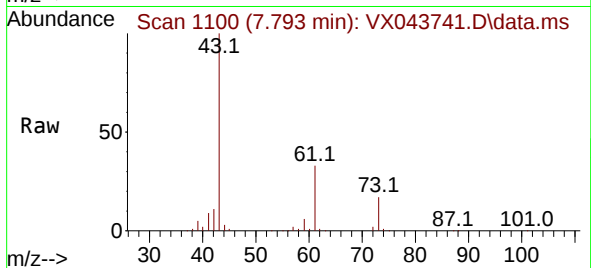
Tgt Ion: 41 Resp: 1147
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 0.0 46.3 69.5#



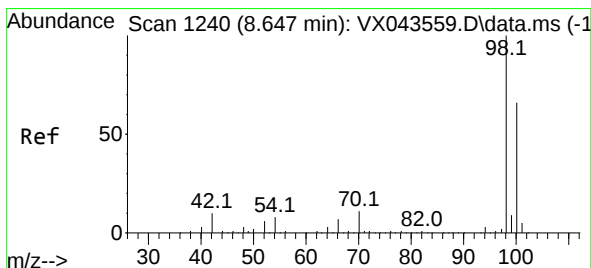
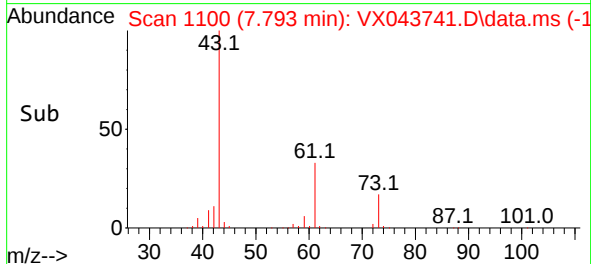
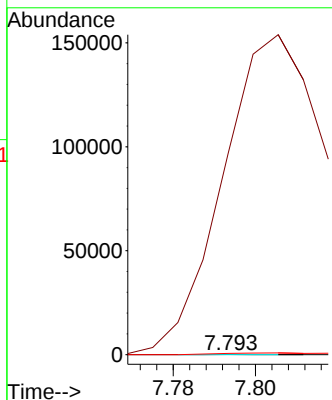


#49
1,4-Dioxane
Concen: 1.045 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Instrument :
MSVOA_X
ClientSampleId :

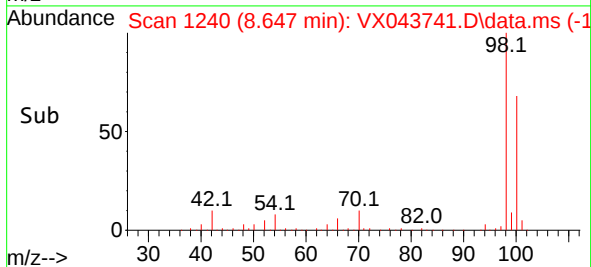
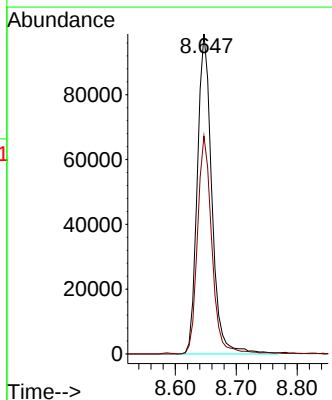
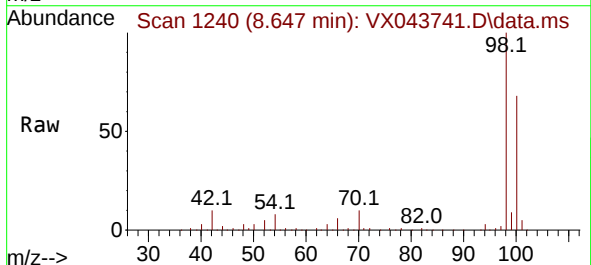


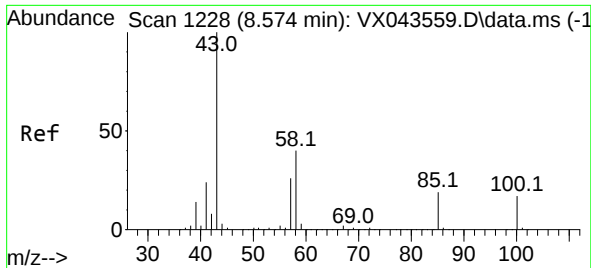
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1382091.3 25.3 37.9#
58 7804.3 53.9 80.9#



#50
Toluene-d8
Concen: 49.726 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Tgt Ion: 98 Resp: 163330
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2

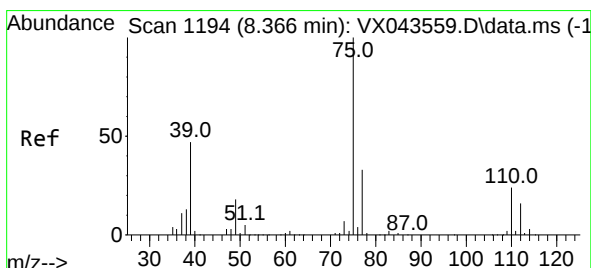
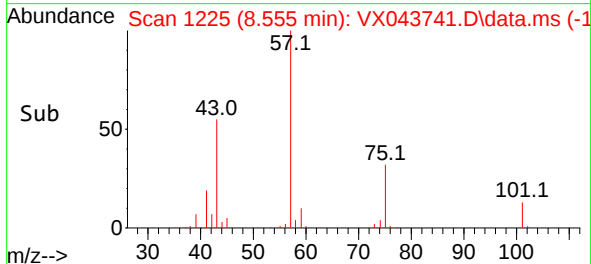
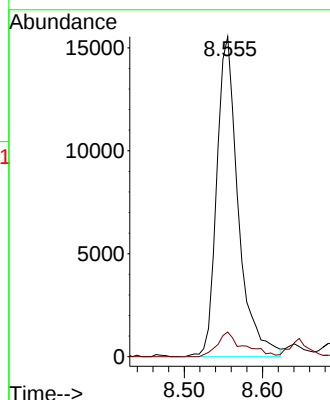
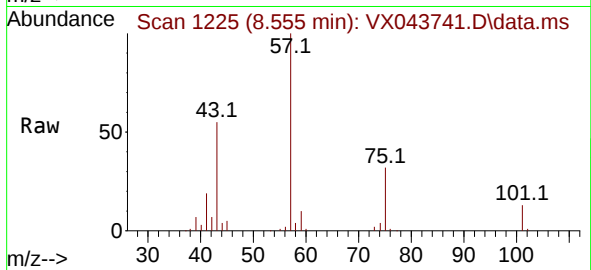




#51
4-Methyl-2-Pentanone
Concen: 21.517 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

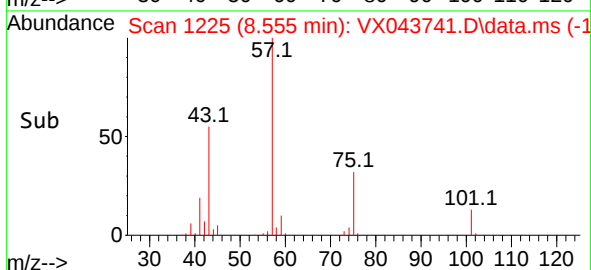
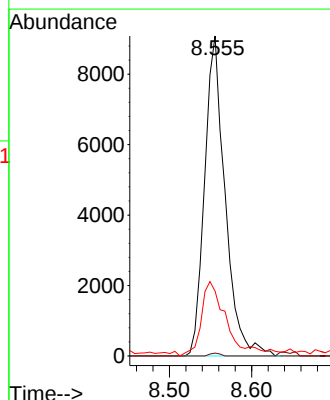
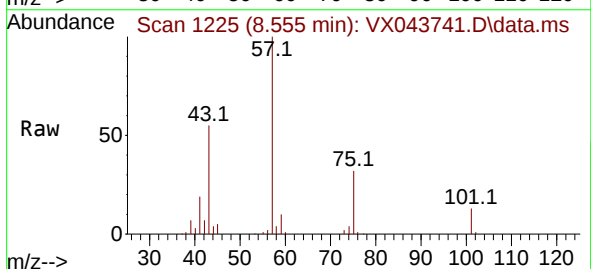
Instrument :
MSVOA_X
ClientSampleId :

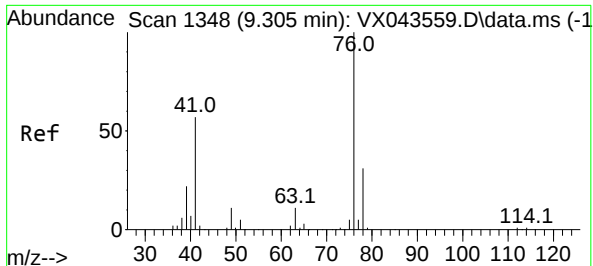
Tgt Ion: 43 Resp: 29626
Ion Ratio Lower Upper
43 100
58 9.3 31.7 47.5#



#54
cis-1,3-Dichloropropene
Concen: 11.030 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.189 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Tgt Ion: 75 Resp: 15758
Ion Ratio Lower Upper
75 100
77 0.9 24.8 37.2#
39 20.3 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 0.911 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.183 min

Lab File: VX043741.D

Acq: 07 Nov 2024 17:02

Instrument :

MSVOA_X

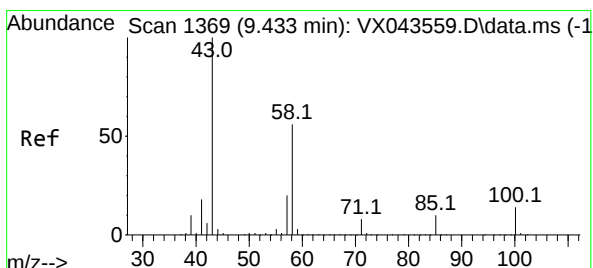
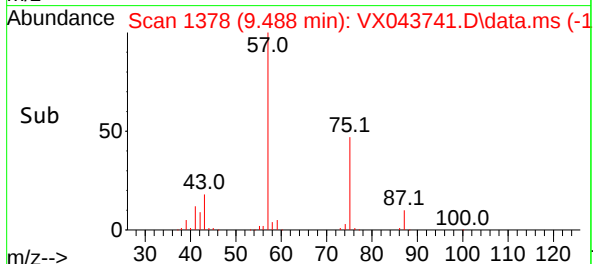
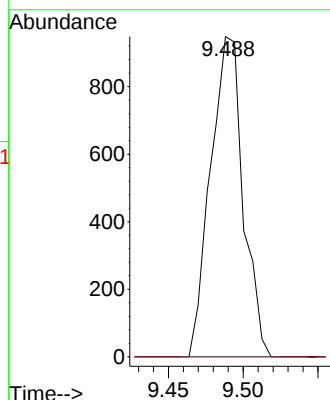
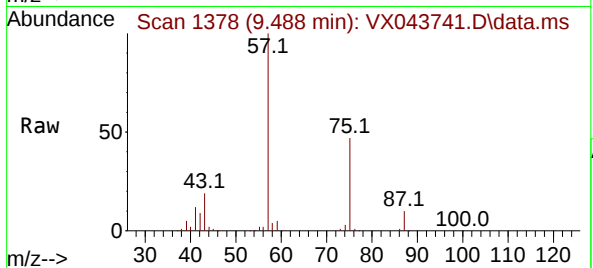
ClientSampleId :

Tgt Ion: 76 Resp: 1436

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 18.811 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX043741.D

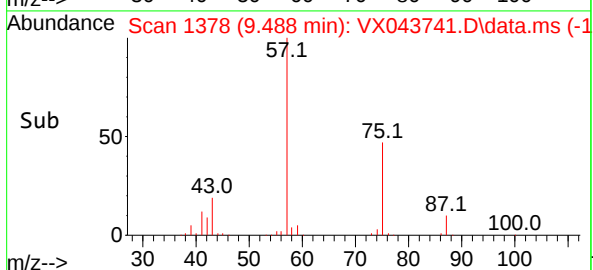
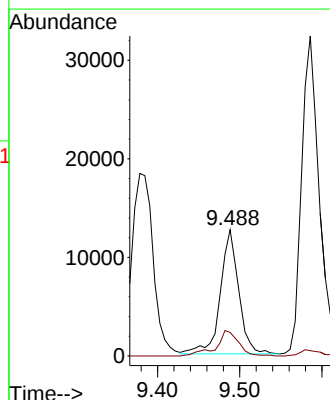
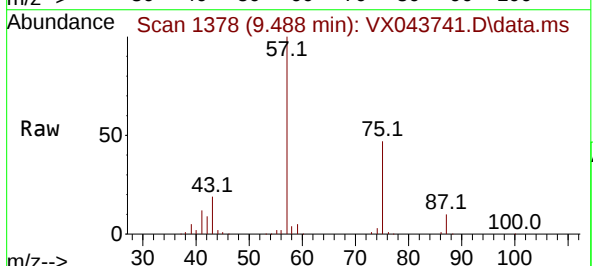
Acq: 07 Nov 2024 17:02

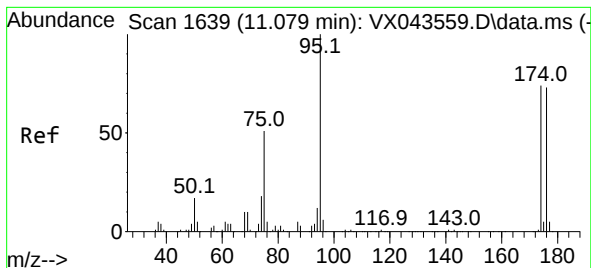
Tgt Ion: 43 Resp: 19671

Ion Ratio Lower Upper

43 100

58 24.8 27.5 82.5#

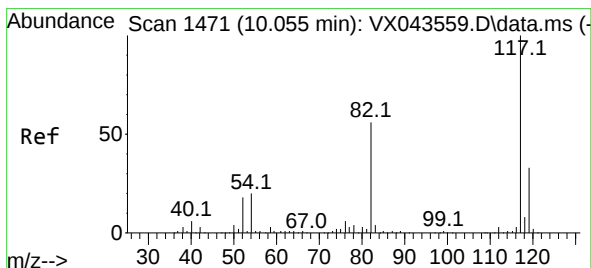
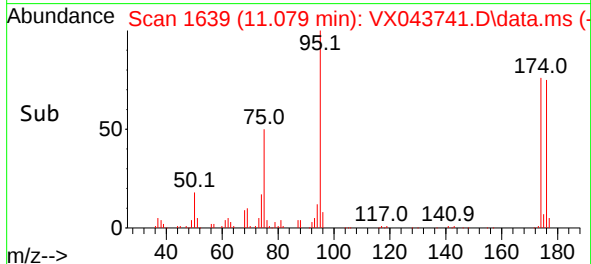
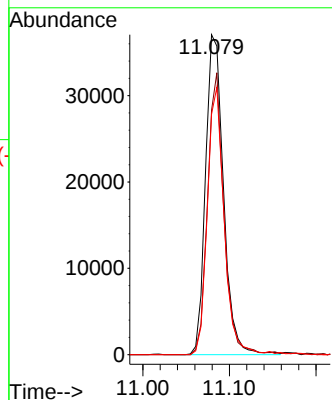
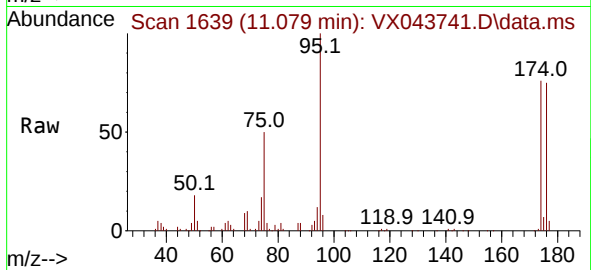




#62
4-Bromofluorobenzene
Concen: 43.827 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

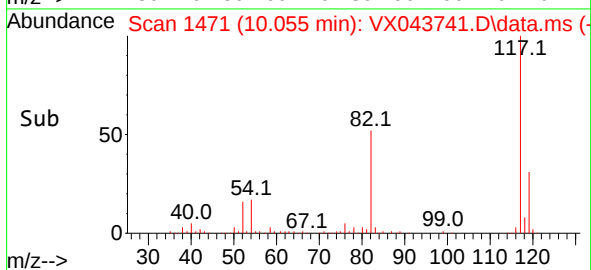
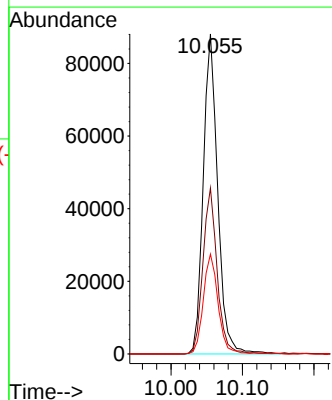
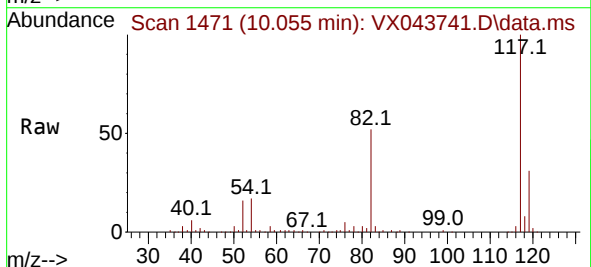
Instrument :
MSVOA_X
ClientSampleId :

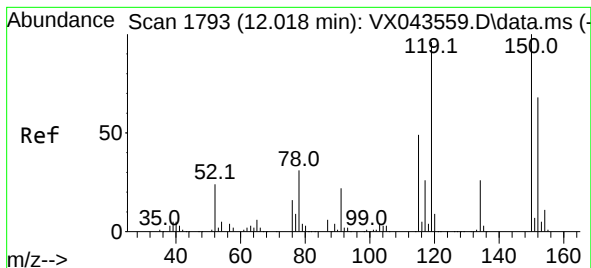
Tgt Ion: 95 Resp: 53343
Ion Ratio Lower Upper
95 100
174 80.1 0.0 146.6
176 77.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Tgt Ion: 117 Resp: 123692
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 31.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043741.D

Acq: 07 Nov 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

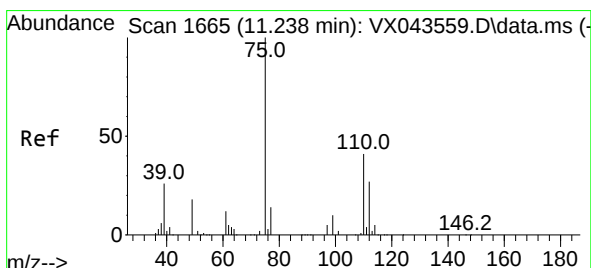
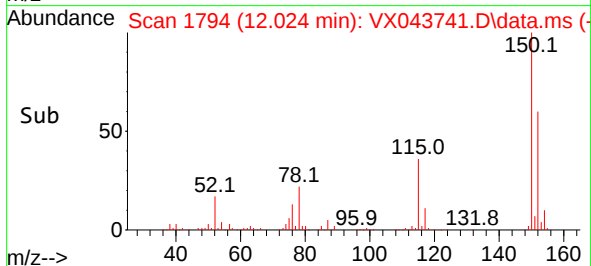
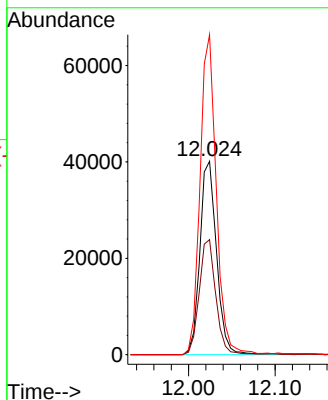
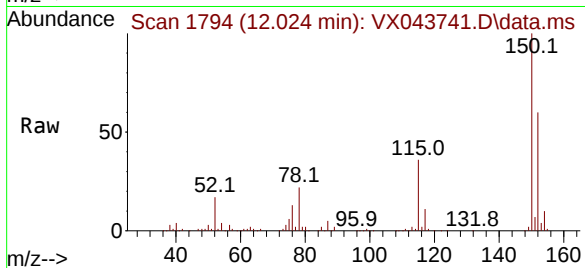
Tgt Ion:152 Resp: 53786

Ion Ratio Lower Upper

152 100

115 59.1 42.9 128.7

150 160.1 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 22.415 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043741.D

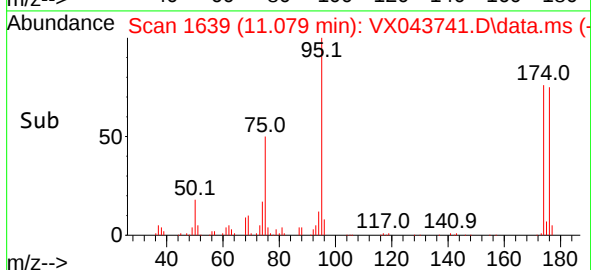
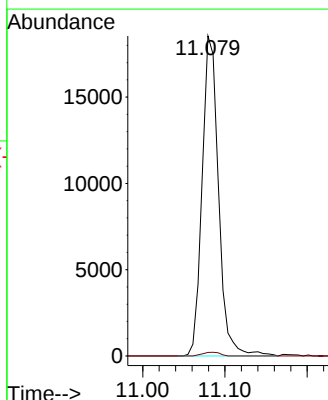
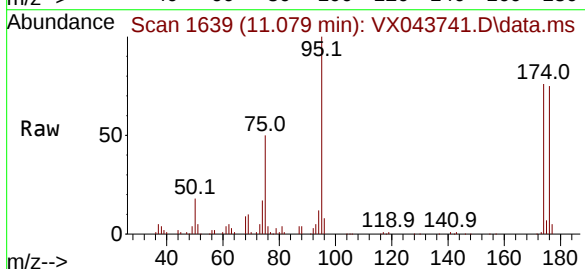
Acq: 07 Nov 2024 17:02

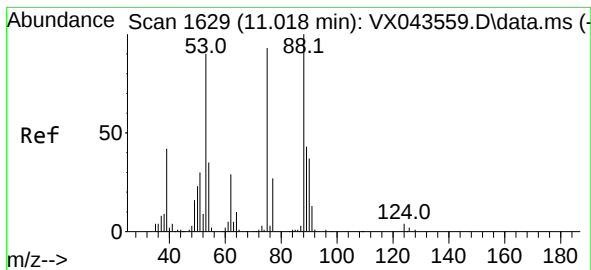
Tgt Ion: 75 Resp: 25778

Ion Ratio Lower Upper

75 100

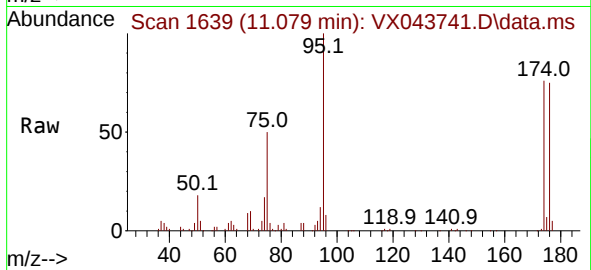
77 1.2 22.4 67.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.665 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043741.D
Acq: 07 Nov 2024 17:02

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 25778
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

