

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
 Data File : VX043739.D
 Acq On : 07 Nov 2024 16:16
 Operator : JC/MD
 Sample : P4722-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 08 04:10:05 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)

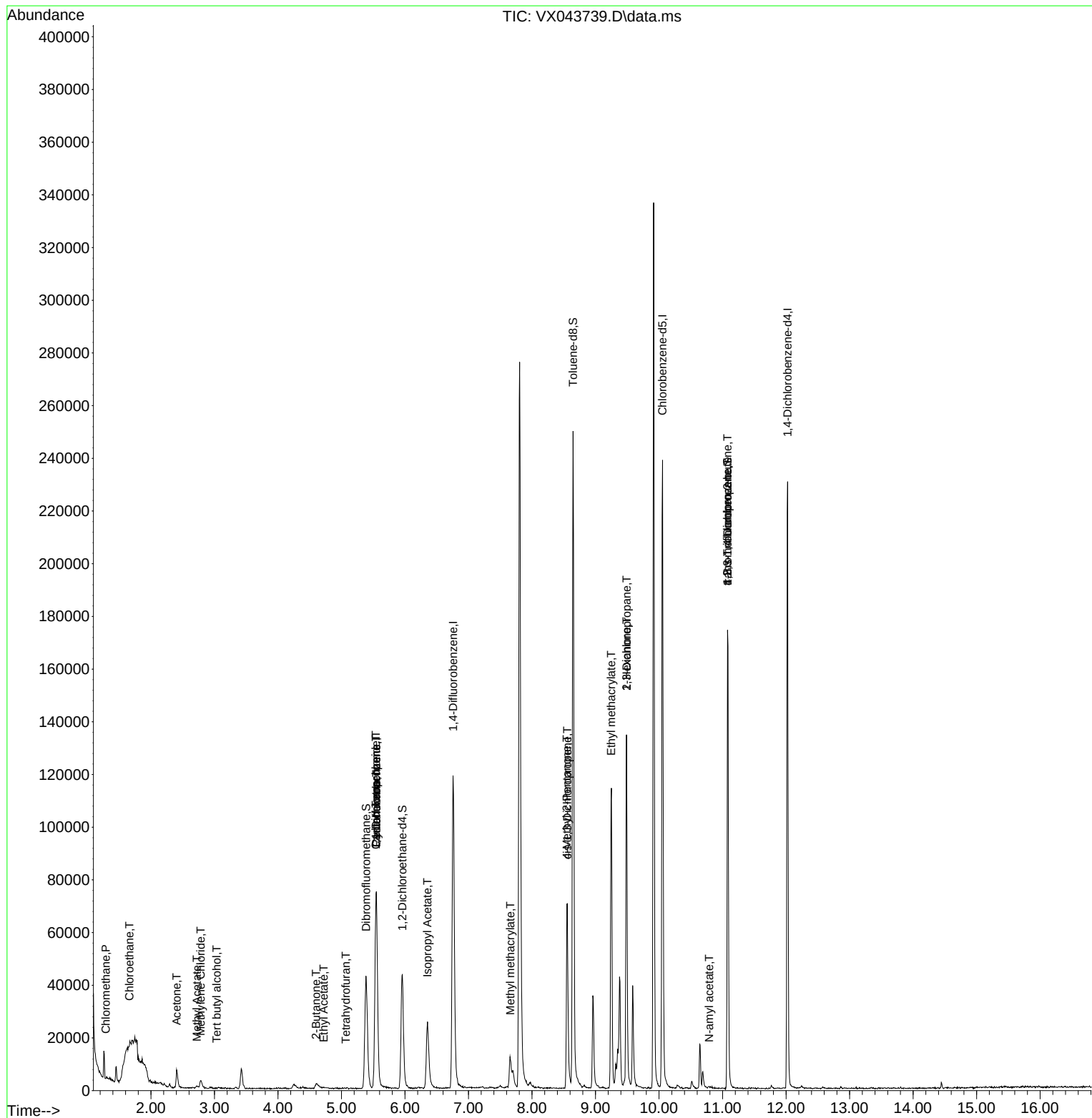
Internal Standards						
1) Pentafluorobenzene	5.550	168	76191	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	135900	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	42538	35.014	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	70.020%#		
35) Dibromofluoromethane	5.385	113	38972	42.290	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.580%		
50) Toluene-d8	8.647	98	156407	49.030	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.060%		
62) 4-Bromofluorobenzene	11.079	95	53638	45.377	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.760%		
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	216	0.207	ug/l	# 42
6) Chloroethane	1.660	64	119	0.349	ug/l	# 43
11) Tert butyl alcohol	3.032	59	230	1.014	ug/l	# 100
16) Acetone	2.404	43	8498	17.615	ug/l	98
18) Methyl Acetate	2.721	43	1663	1.179	ug/l	# 89
20) Methylene Chloride	2.782	84	1760	1.693	ug/l	# 74
25) 2-Butanone	4.599	43	4647	6.603	ug/l	95
29) Tetrahydrofuran	5.068	42	260	0.569	ug/l	# 32
31) Cyclohexane	5.550	56	1207	0.941	ug/l	# 9
36) 1,1-Dichloropropene	5.544	75	5229	4.785	ug/l	# 47
37) Ethyl Acetate	4.721	43	544	0.410	ug/l	# 68
38) Carbon Tetrachloride	5.544	117	7287	6.035	ug/l	# 15
43) Isopropyl Acetate	6.354	43	38686	17.633	ug/l	97
48) Methyl methacrylate	7.659	41	848	0.815	ug/l	# 13
51) 4-Methyl-2-Pentanone	8.549	43	25919	19.383	ug/l	# 52
54) cis-1,3-Dichloropropene	8.555	75	14199	10.234	ug/l	# 60
56) Ethyl methacrylate	9.244	69	388	0.259	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	1233	0.806	ug/l	# 42
59) 2-Hexanone	9.488	43	17632	17.361	ug/l	# 59
74) N-amyl acetate	10.787	43	419	0.233	ug/l	# 42
76) 1,2,3-Trichloropropane	11.079	75	24968	22.402	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	24968	61.630	ug/l	# 7

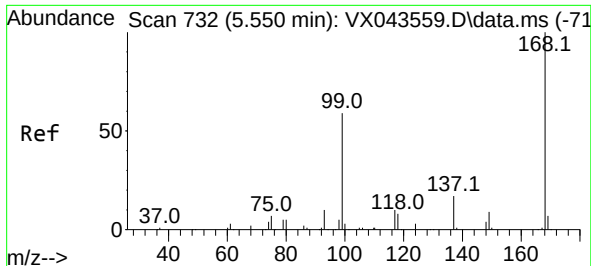
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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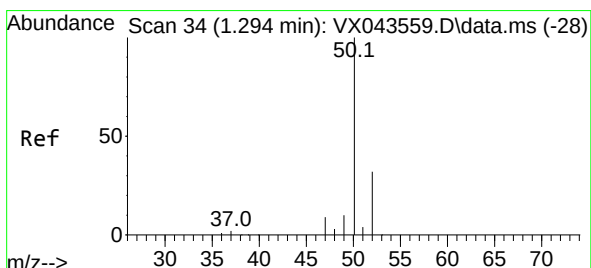
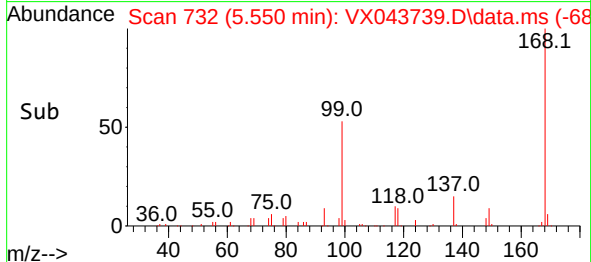
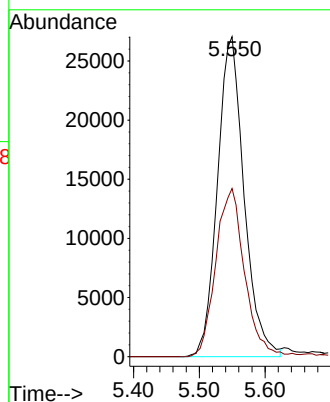
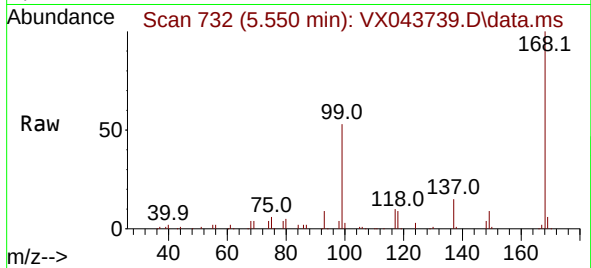




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

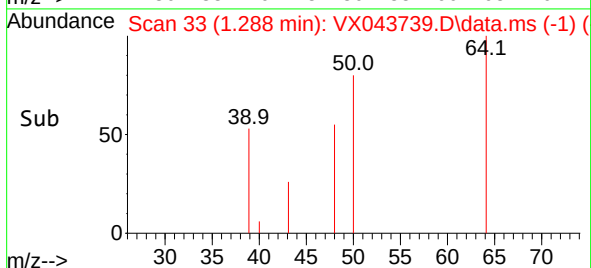
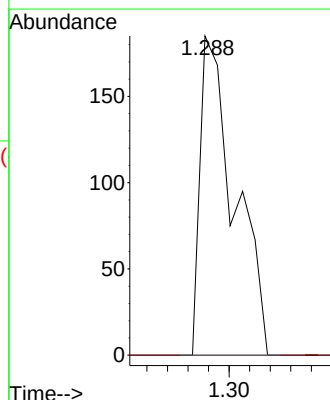
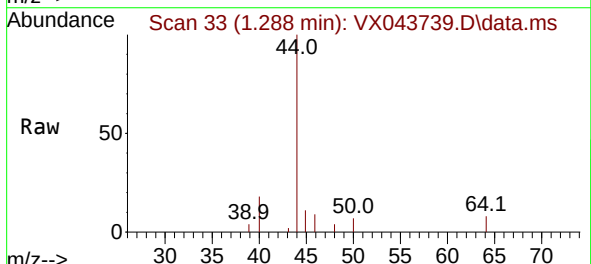
Instrument :
MSVOA_X
ClientSampleId :

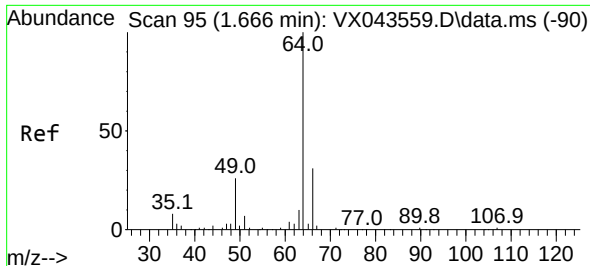
Tgt Ion:168 Resp: 76191
Ion Ratio Lower Upper
168 100
99 52.5 52.6 78.8#



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

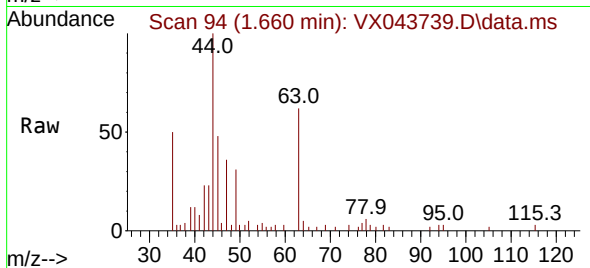
Tgt Ion: 50 Resp: 216
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



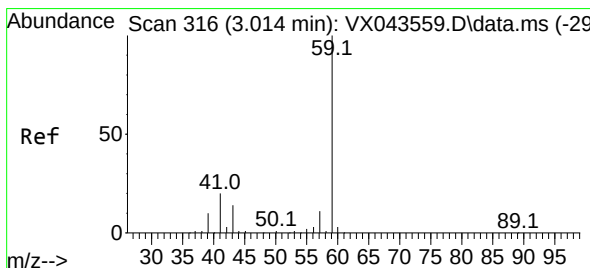
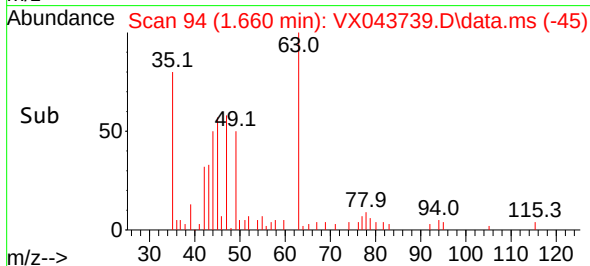
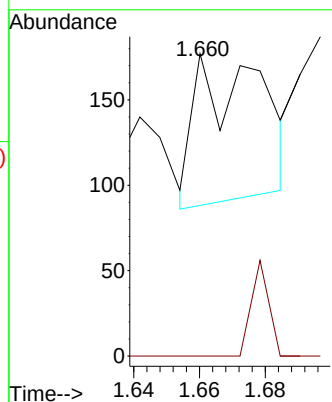


#6
Chloroethane
Concen: 0.349 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Instrument :
MSVOA_X
ClientSampleId :

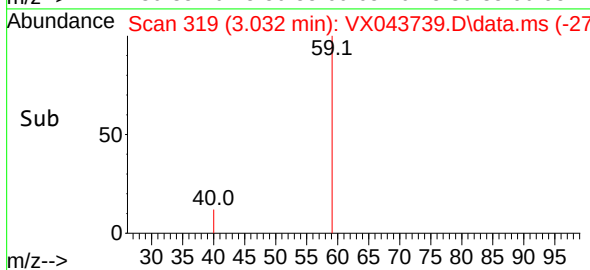
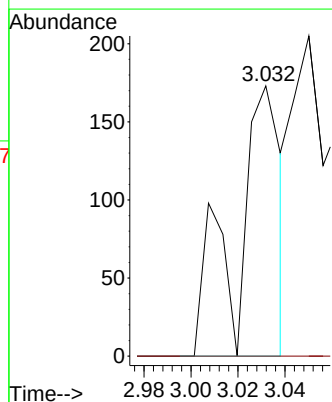
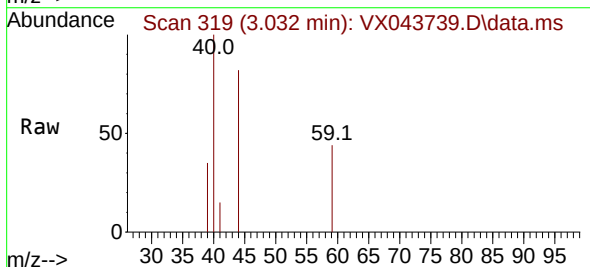


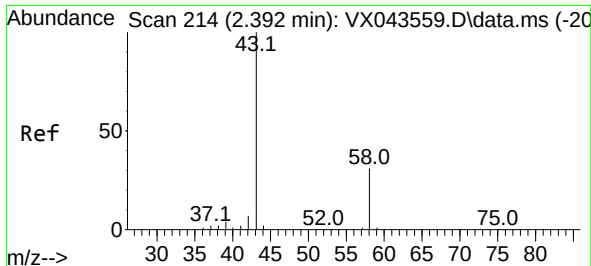
Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.014 ug/l
RT: 3.032 min Scan# 319
Delta R.T. -0.018 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

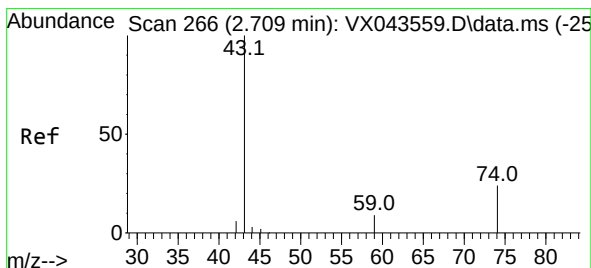
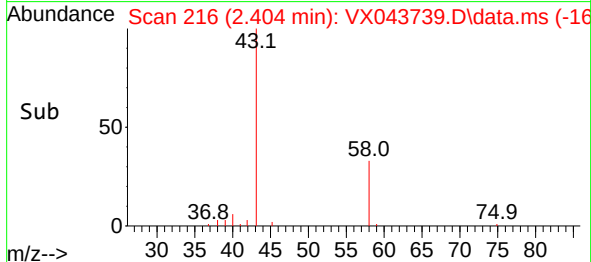
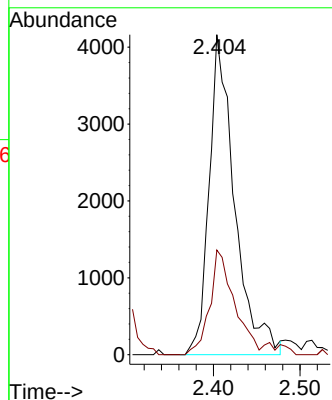
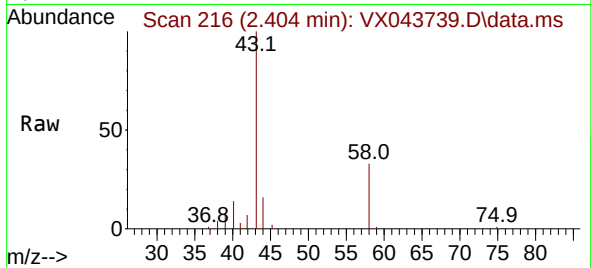




#16
Acetone
Concen: 17.615 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

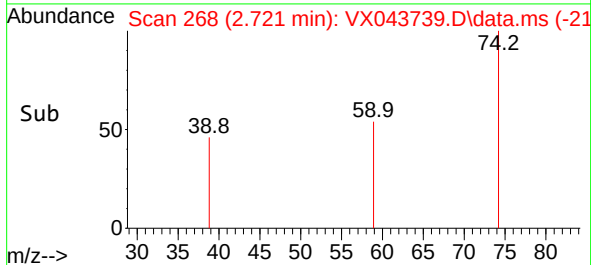
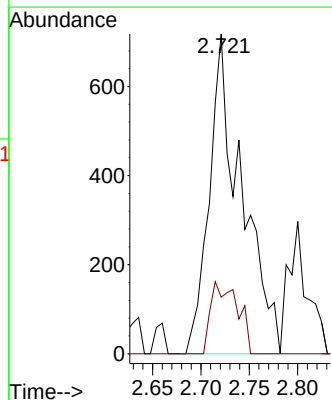
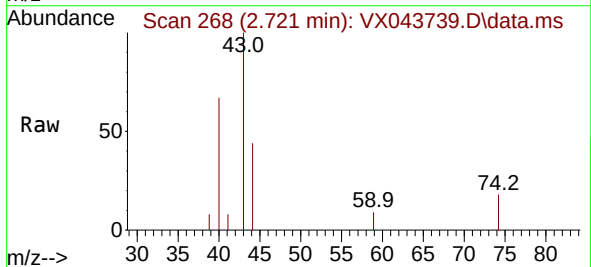
Instrument :
MSVOA_X
ClientSampleId :

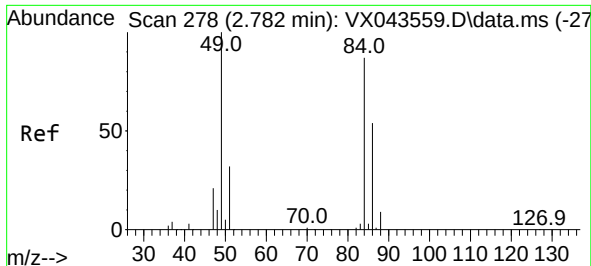
Tgt Ion: 43 Resp: 8498
Ion Ratio Lower Upper
43 100
58 32.7 25.1 37.7



#18
Methyl Acetate
Concen: 1.179 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Tgt Ion: 43 Resp: 1663
Ion Ratio Lower Upper
43 100
74 18.7 19.1 28.7#





#20

Methylene Chloride

Concen: 1.693 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

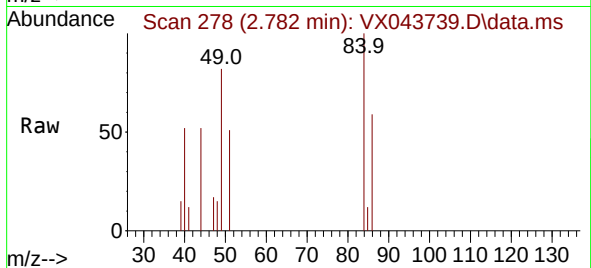
Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1760

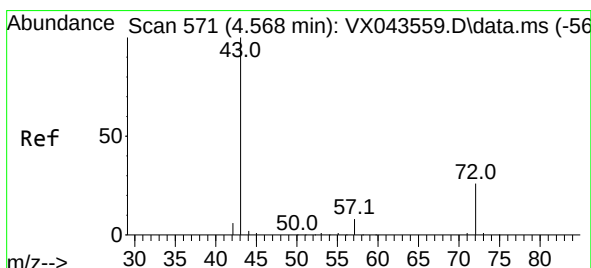
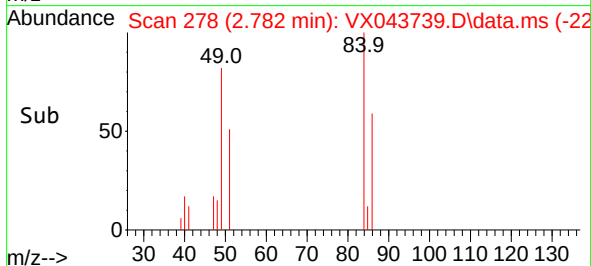
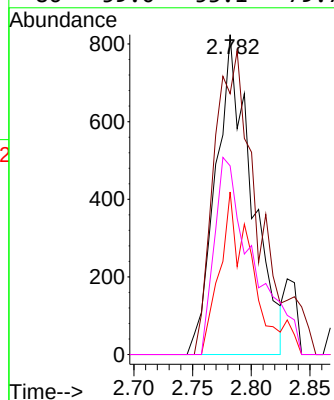
Ion Ratio Lower Upper

84 100

49 81.6 97.0 145.6#

51 50.8 29.8 44.8#

86 59.0 53.1 79.7



#25

2-Butanone

Concen: 6.603 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.031 min

Lab File: VX043739.D

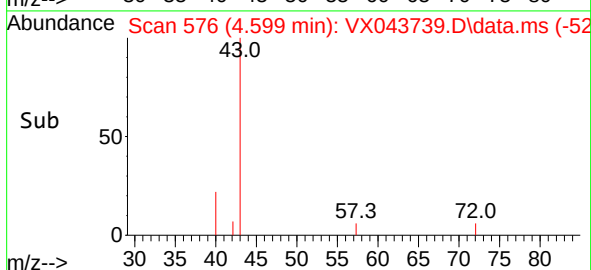
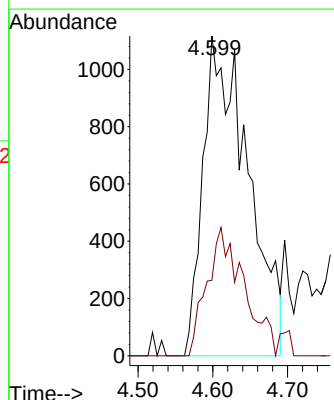
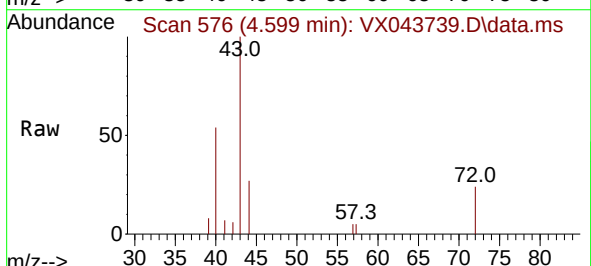
Acq: 07 Nov 2024 16:16

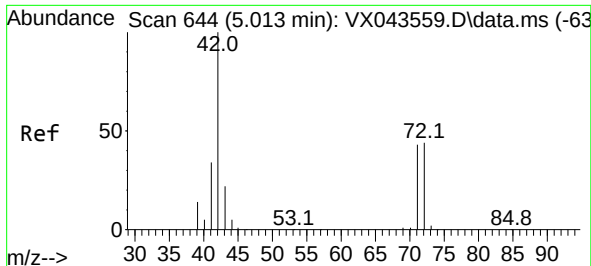
Tgt Ion: 43 Resp: 4647

Ion Ratio Lower Upper

43 100

72 23.6 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.569 ug/l

RT: 5.068 min Scan# 61

Delta R.T. 0.055 min

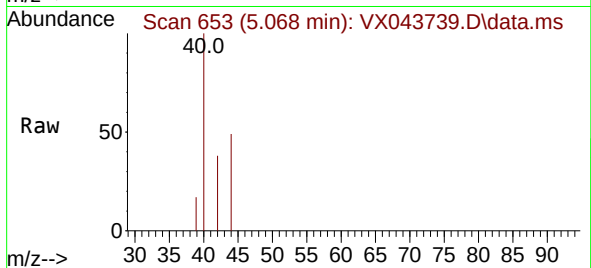
Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

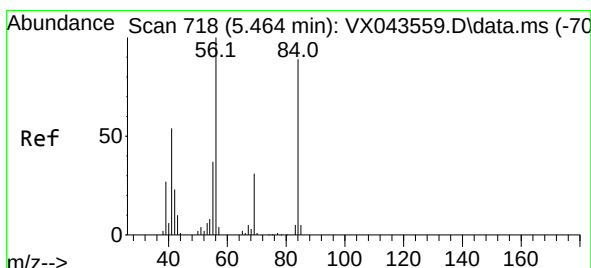
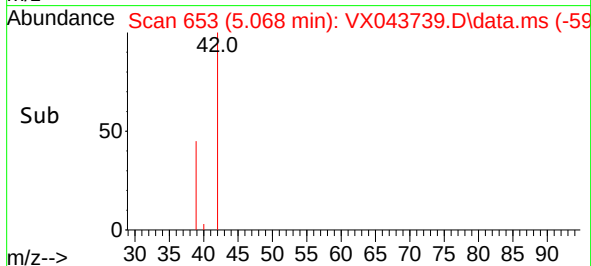
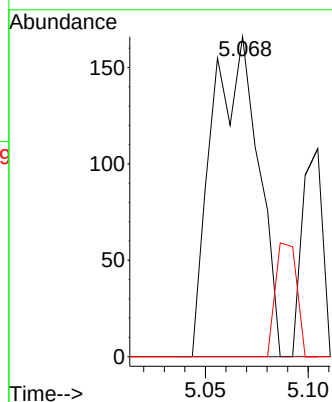
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	260
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.2	51.4#



#31

Cyclohexane

Concen: 0.941 ug/l

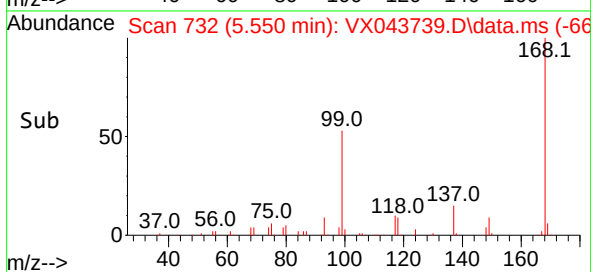
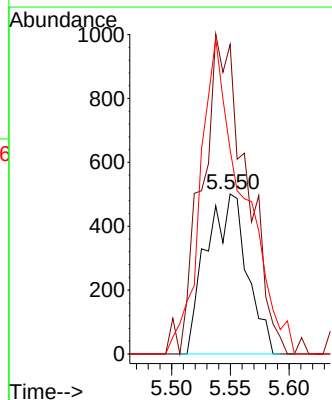
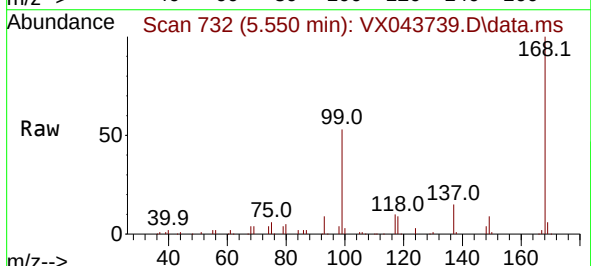
RT: 5.550 min Scan# 732

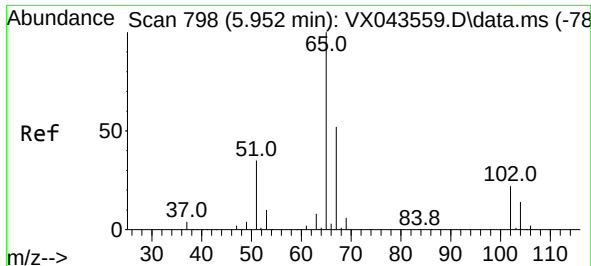
Delta R.T. 0.091 min

Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

Tgt Ion:	56	Resp:	1207
Ion Ratio	100	Lower	Upper
56	100		
69	193.4	24.9	37.3#
84	112.6	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 35.014 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

Instrument :

MSVOA_X

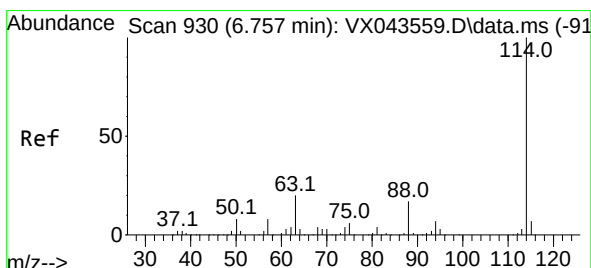
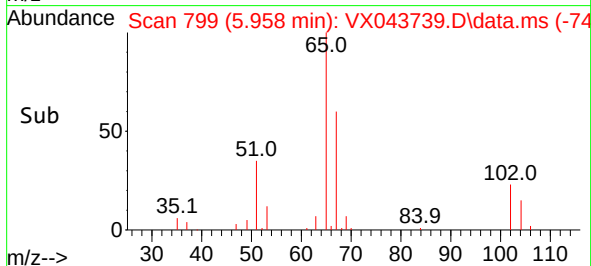
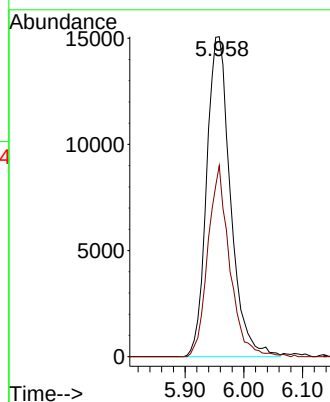
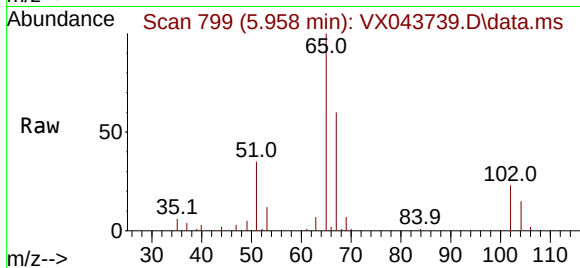
ClientSampleId :

Tgt Ion: 65 Resp: 42538

Ion Ratio Lower Upper

65 100

67 54.7 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: VX043739.D

Acq: 07 Nov 2024 16:16

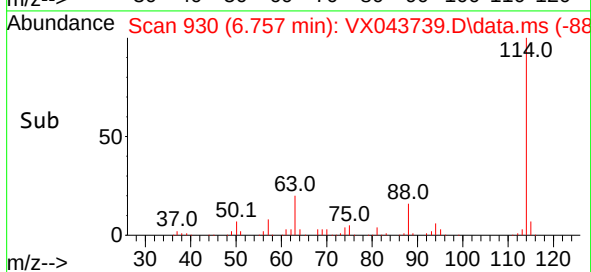
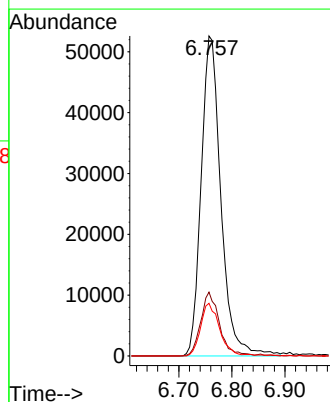
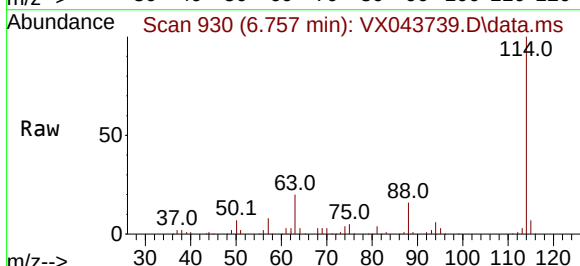
Tgt Ion: 114 Resp: 135900

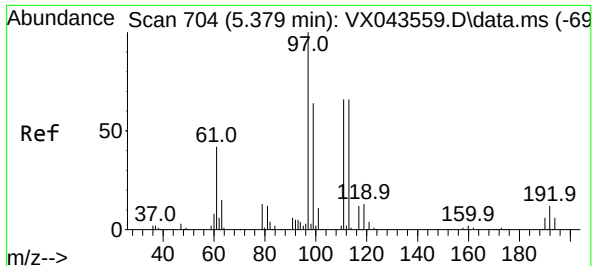
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

88 16.4 0.0 34.0

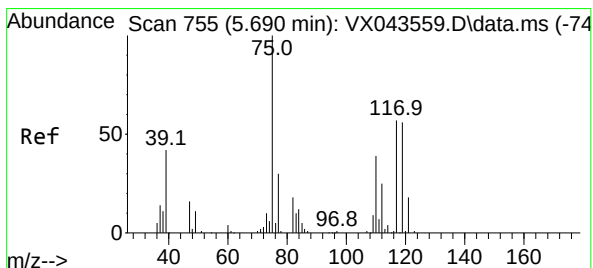
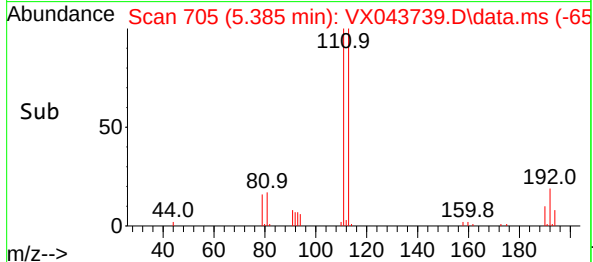
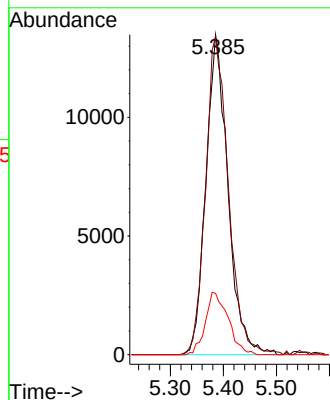
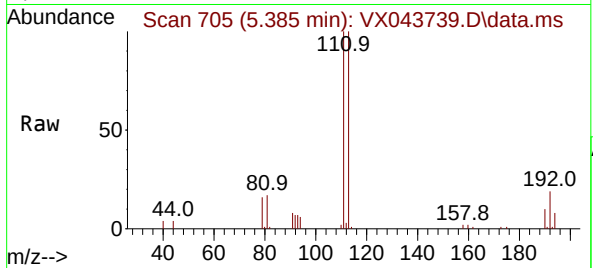




#35
Dibromofluoromethane
Concen: 42.290 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

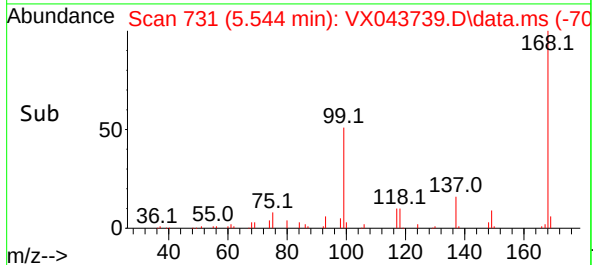
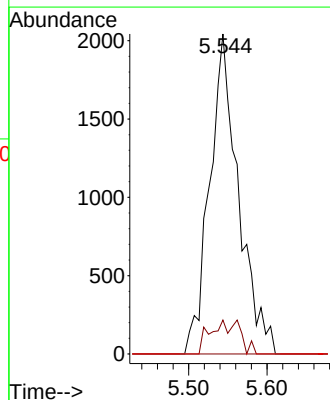
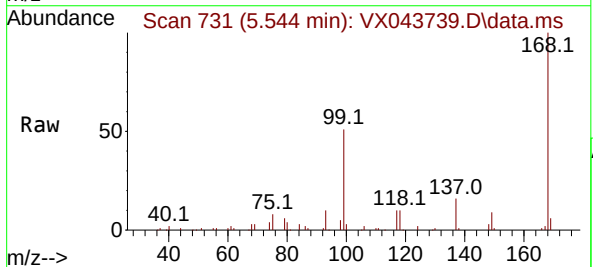
Instrument :
MSVOA_X
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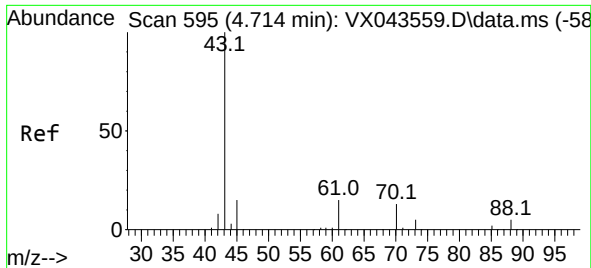
Tgt Ion:113 Resp: 38972
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 20.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Tgt Ion: 75 Resp: 5229
Ion Ratio Lower Upper
75 100
110 6.6 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.410 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.000 min

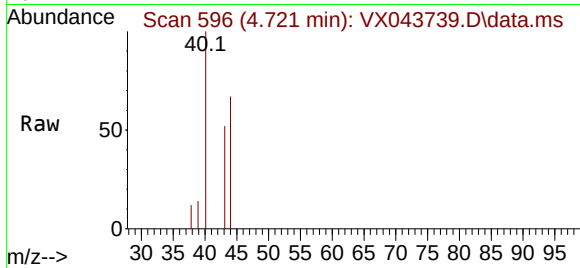
Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

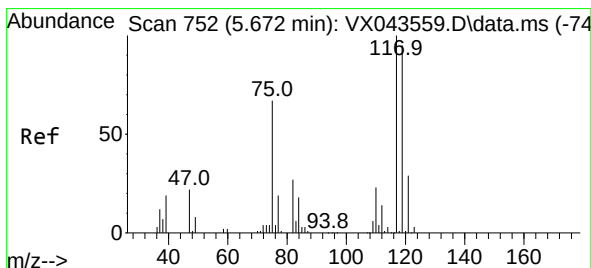
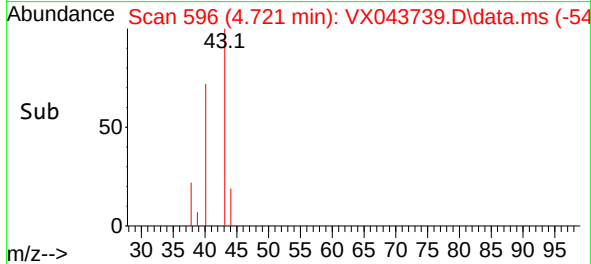
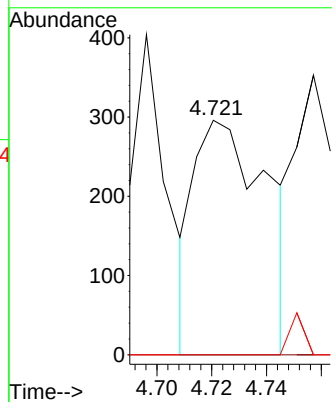
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	544
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	0.0	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.035 ug/l

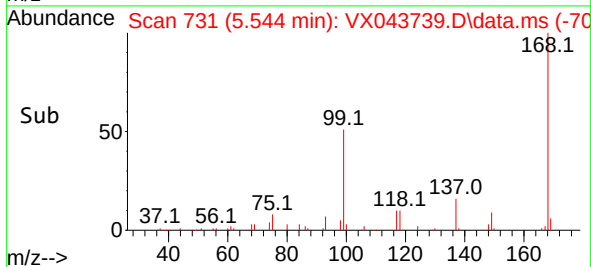
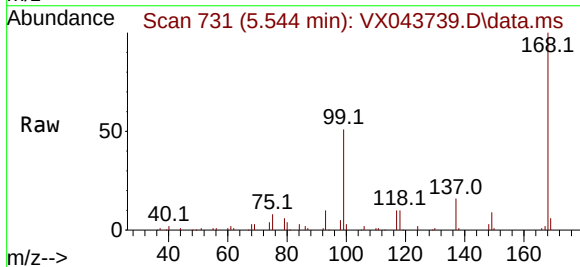
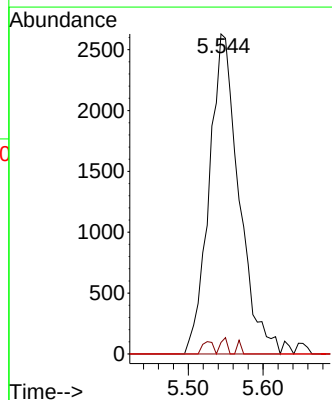
RT: 5.544 min Scan# 731

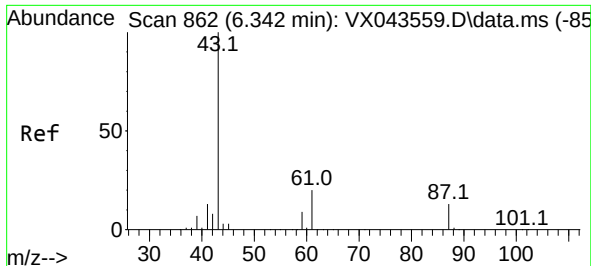
Delta R.T. -0.128 min

Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

Tgt Ion:	117	Resp:	7287
Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.0	115.6#
121	0.0	24.7	37.1#

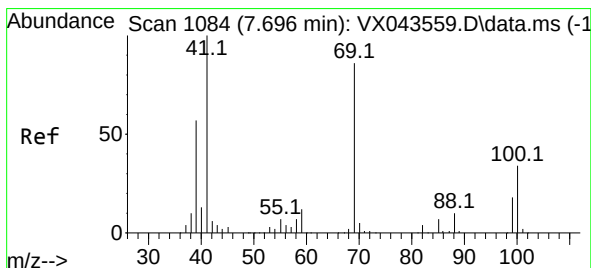
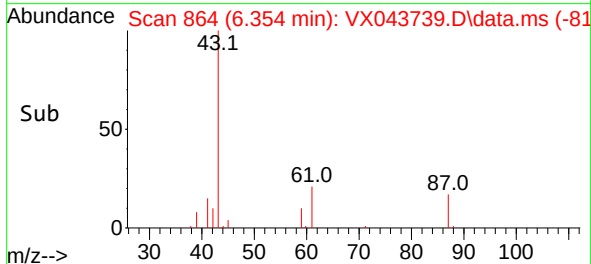
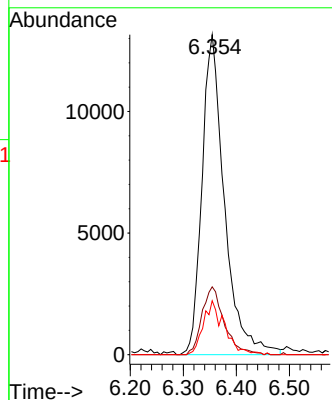
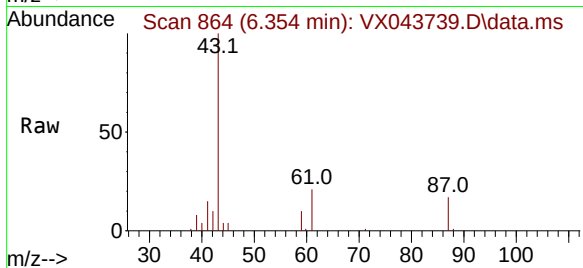




#43
Isopropyl Acetate
Concen: 17.633 ug/l
RT: 6.354 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

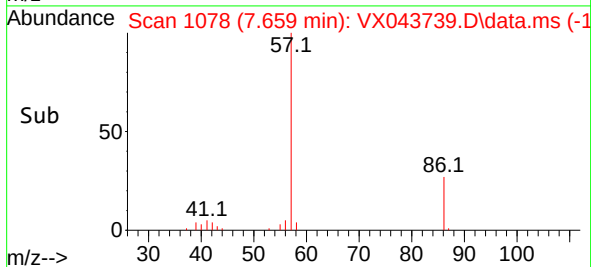
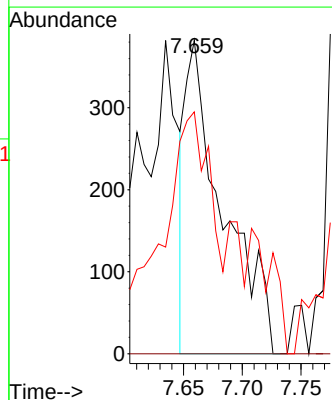
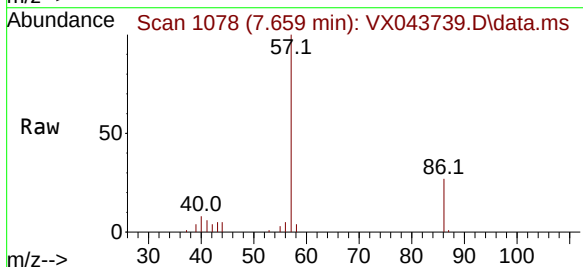
Instrument :
MSVOA_X
ClientSampleId :

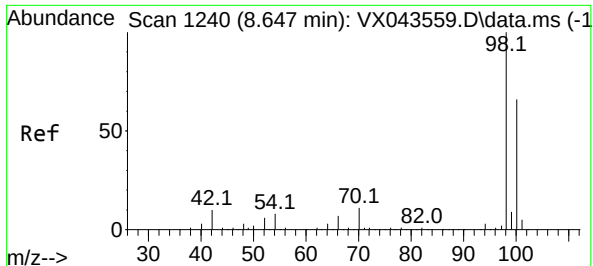
Tgt Ion: 43 Resp: 38686
Ion Ratio Lower Upper
43 100
61 21.0 16.2 24.4
87 16.0 11.0 16.6



#48
Methyl methacrylate
Concen: 0.815 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.037 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Tgt Ion: 41 Resp: 848
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 0.0 46.3 69.5#

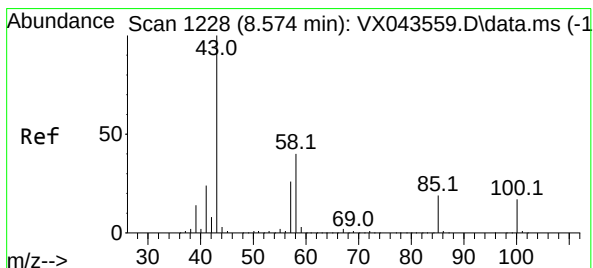
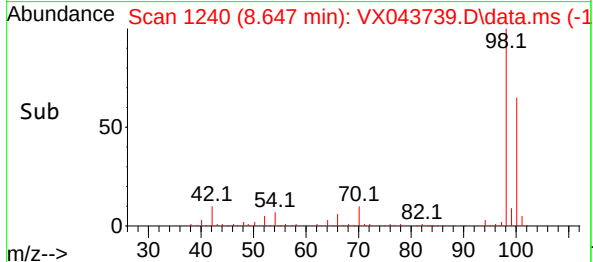
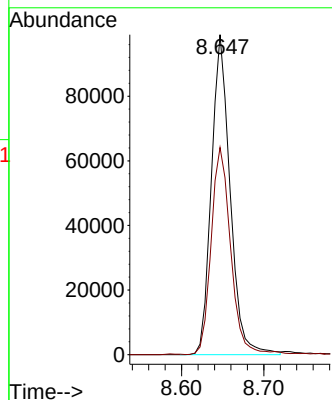
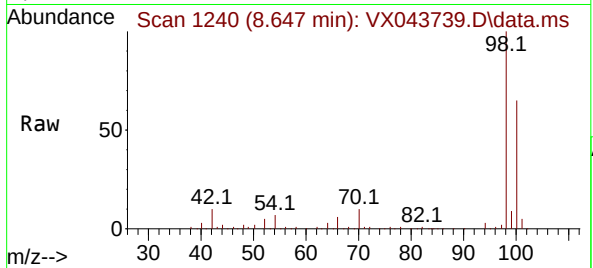




#50
Toluene-d8
Concen: 49.030 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

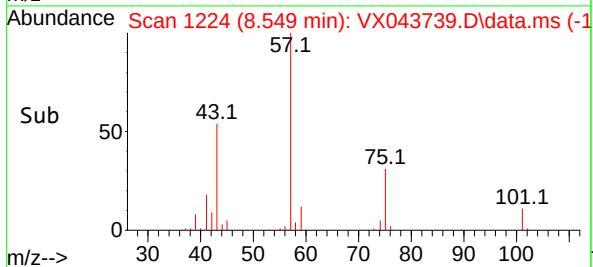
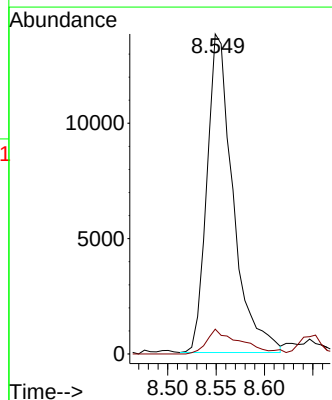
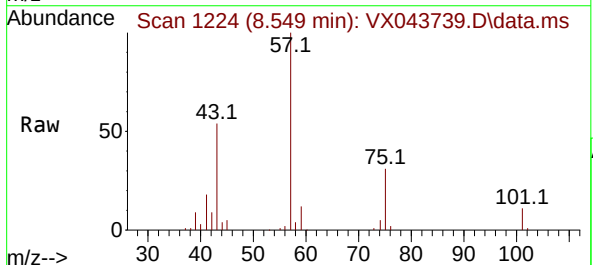
Instrument :
MSVOA_X
ClientSampleId :

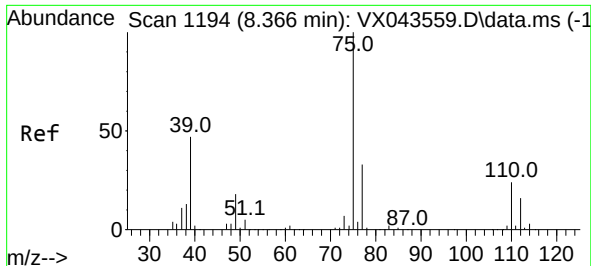
Tgt Ion: 98 Resp: 156407
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 19.383 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Tgt Ion: 43 Resp: 25919
Ion Ratio Lower Upper
43 100
58 10.1 31.7 47.5#

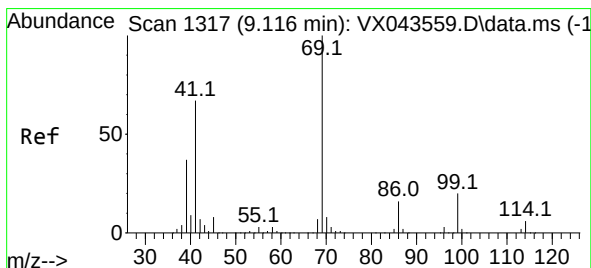
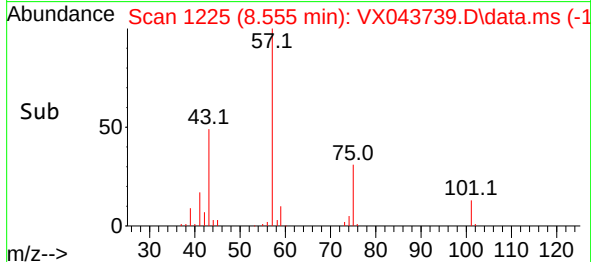
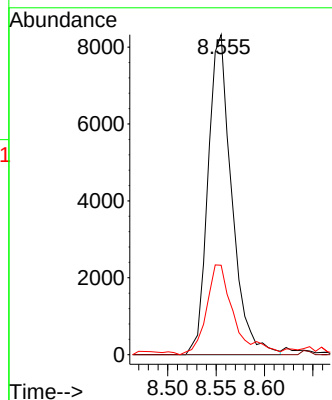
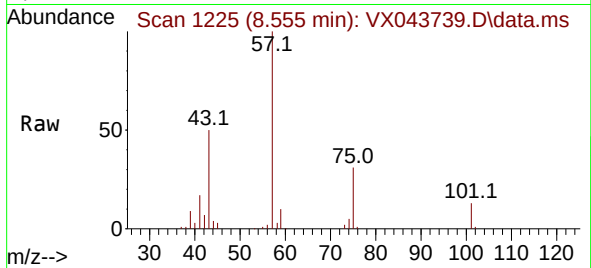




#54
 cis-1,3-Dichloropropene
 Concen: 10.234 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX043739.D
 Acq: 07 Nov 2024 16:16

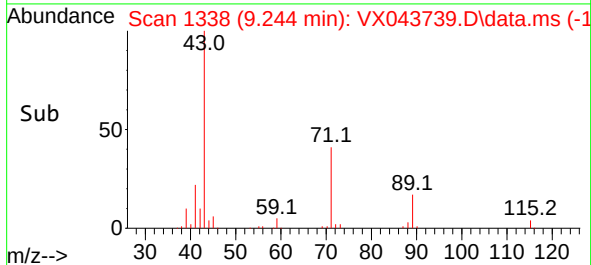
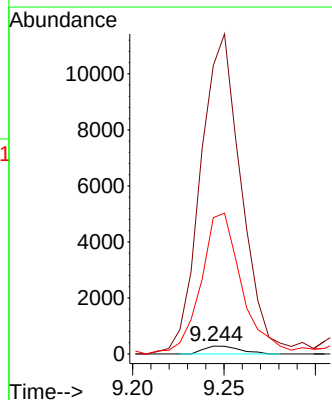
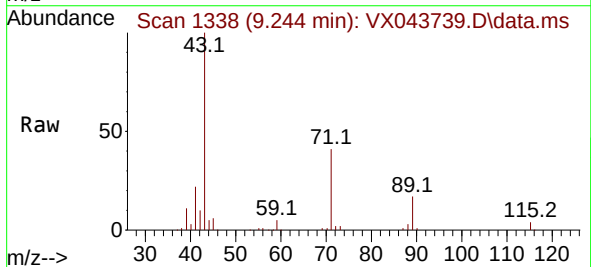
Instrument :
 MSVOA_X
 ClientSampleId :

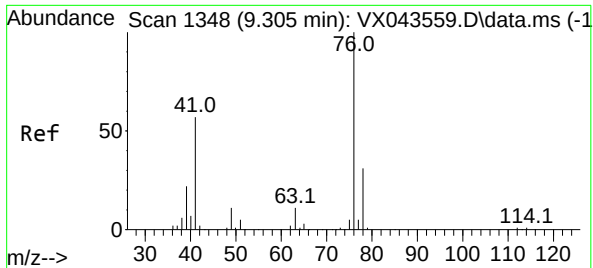
Tgt Ion: 75 Resp: 14199
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 28.0 37.7 56.5#



#56
 Ethyl methacrylate
 Concen: 0.259 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX043739.D
 Acq: 07 Nov 2024 16:16

Tgt Ion: 69 Resp: 388
 Ion Ratio Lower Upper
 69 100
 41 4568.3 53.8 80.8#
 39 2013.4 29.9 44.9#





#57

1,3-Dichloropropane

Concen: 0.806 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

Instrument :

MSVOA_X

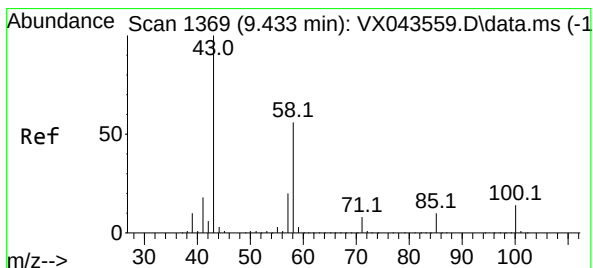
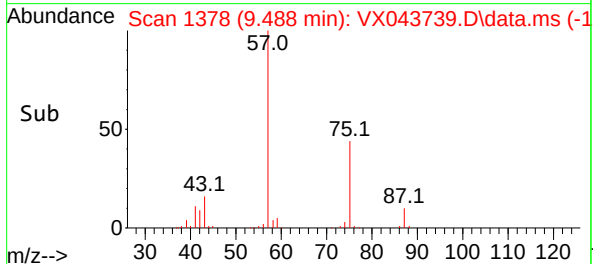
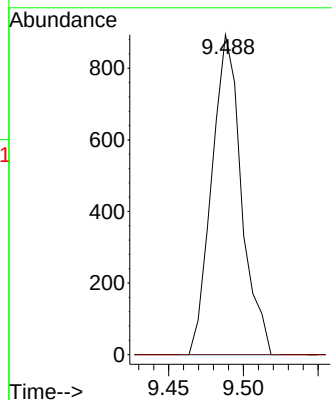
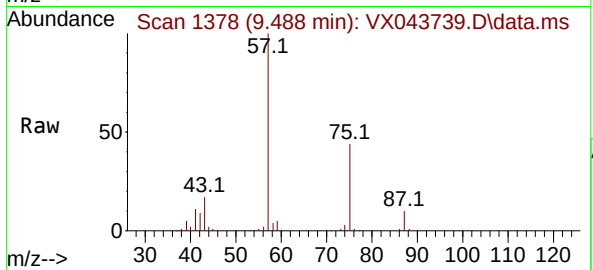
ClientSampleId :

Tgt Ion: 76 Resp: 1233

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 17.361 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX043739.D

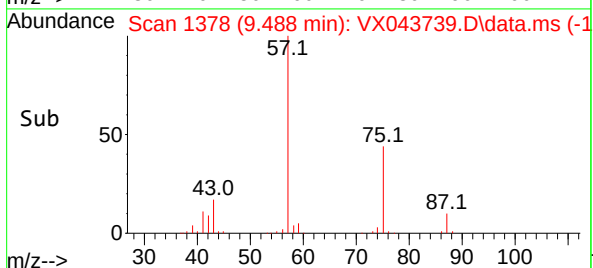
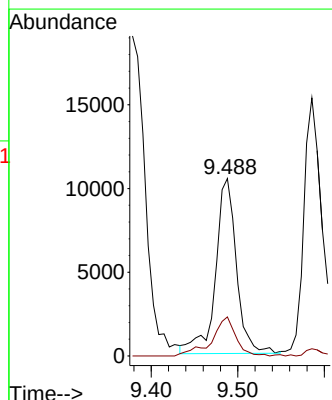
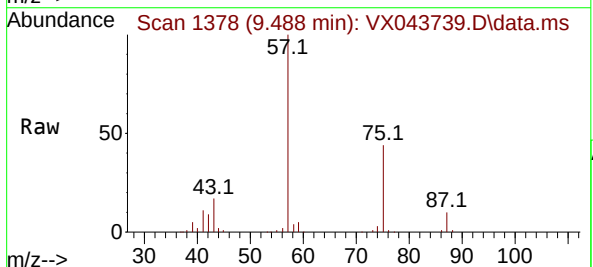
Acq: 07 Nov 2024 16:16

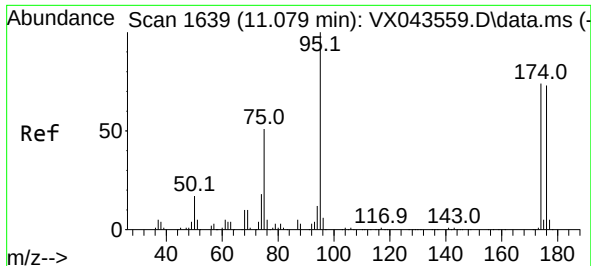
Tgt Ion: 43 Resp: 17632

Ion Ratio Lower Upper

43 100

58 25.4 27.5 82.5#

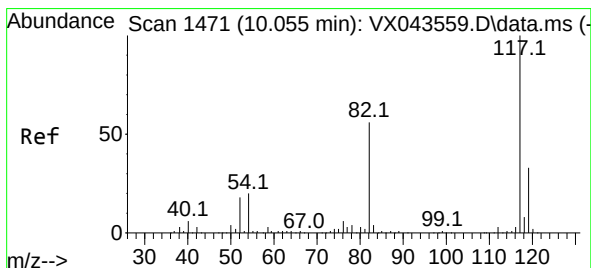
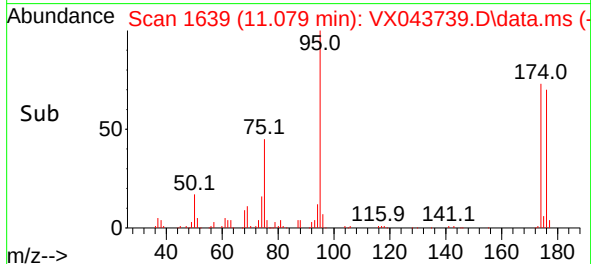
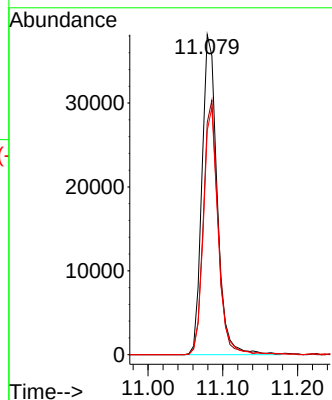
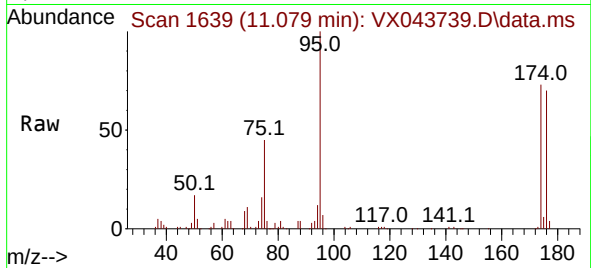




#62
4-Bromofluorobenzene
Concen: 45.377 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

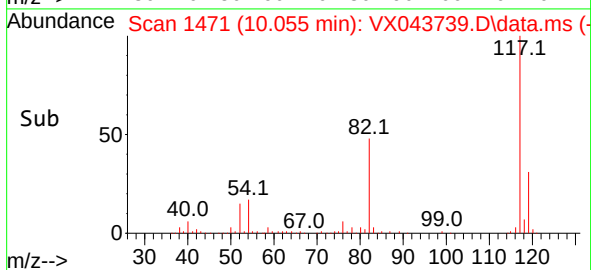
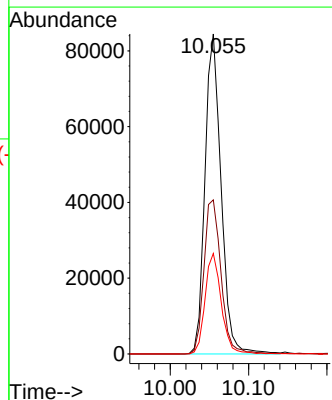
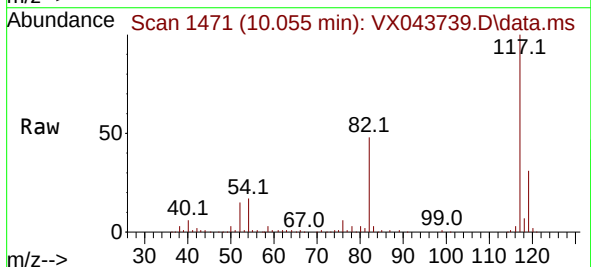
Instrument :
MSVOA_X
ClientSampleId :

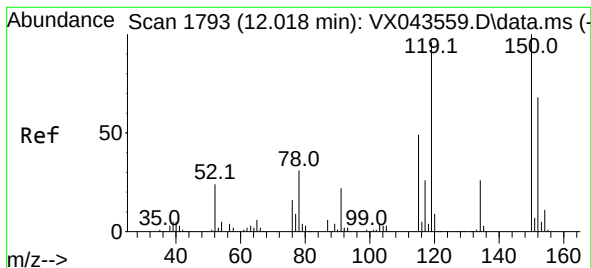
Tgt Ion: 95 Resp: 53638
Ion Ratio Lower Upper
95 100
174 77.7 0.0 146.6
176 75.3 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Tgt Ion: 117 Resp: 120581
Ion Ratio Lower Upper
117 100
82 48.2 42.1 63.1
119 31.4 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: VX043739.D

Acq: 07 Nov 2024 16:16

Instrument :

MSVOA_X

ClientSampleId :

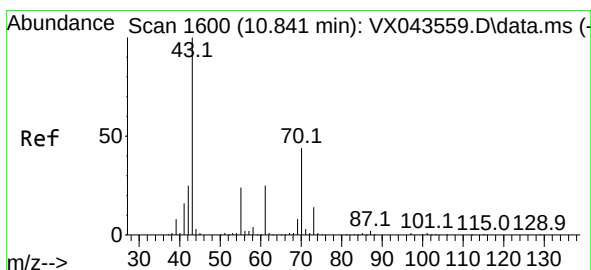
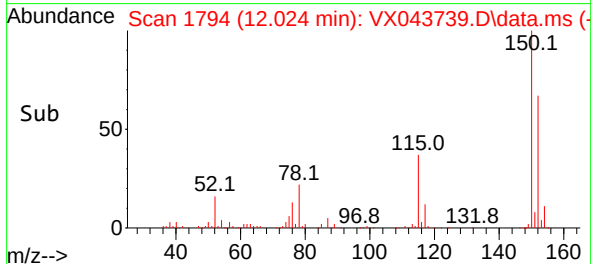
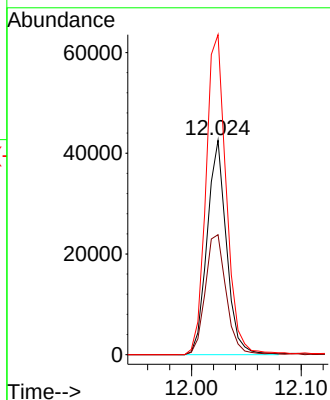
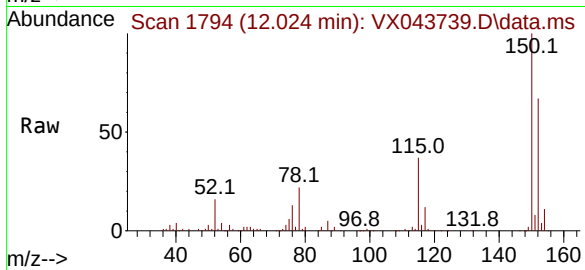
Tgt Ion:152 Resp: 52126

Ion Ratio Lower Upper

152 100

115 61.0 42.9 128.7

150 156.5 0.0 343.6



#74

N-ethyl acetate

Concen: 0.233 ug/l

RT: 10.787 min Scan# 1591

Delta R.T. -0.055 min

Lab File: VX043739.D

Acq: 07 Nov 2024 16:16

Tgt Ion: 43 Resp: 419

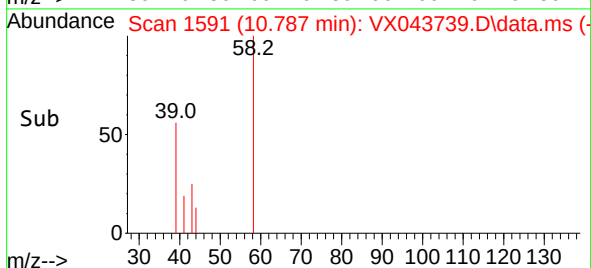
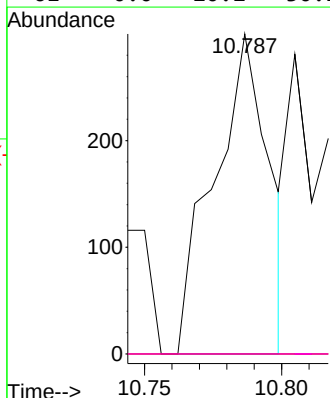
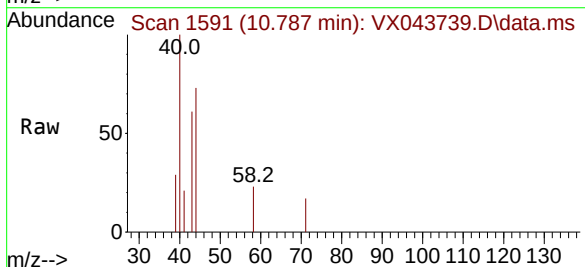
Ion Ratio Lower Upper

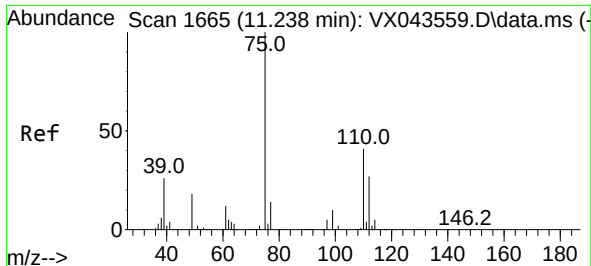
43 100

70 0.0 34.6 52.0#

55 0.0 19.6 29.4#

61 0.0 20.2 30.2#

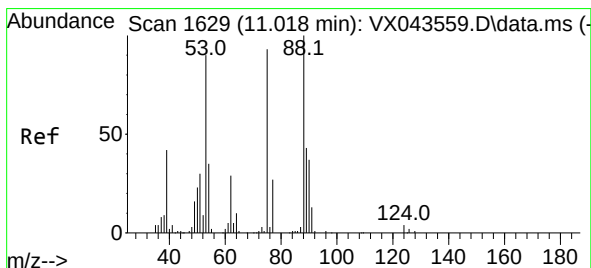
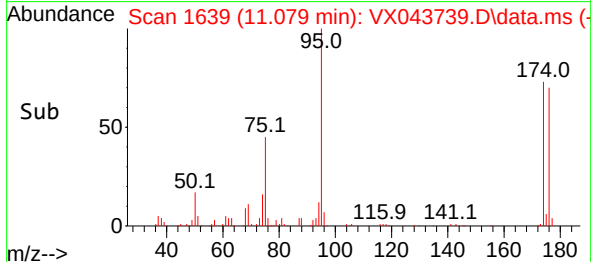
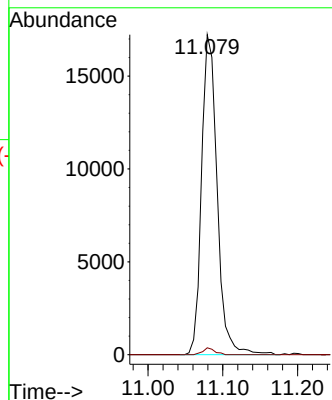
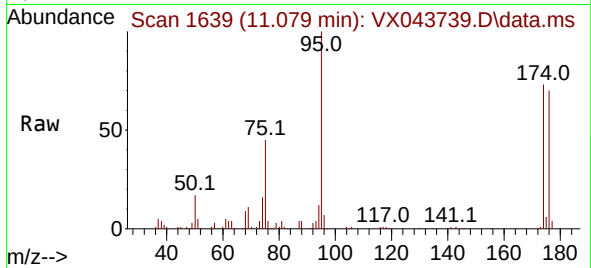




#76
1,2,3-Trichloropropane
Concen: 22.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 24968
Ion Ratio Lower Upper
75 100
77 1.6 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043739.D
Acq: 07 Nov 2024 16:16

Tgt Ion: 75 Resp: 24968
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

