

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080124\
 Data File : VX042832.D
 Acq On : 02 Aug 2024 07:45
 Operator : JC/MD
 Sample : PB162393ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162393ZHE#01

Quant Time: Aug 02 08:32:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 01 16:40:12 2024
 Response via : Initial Calibration

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

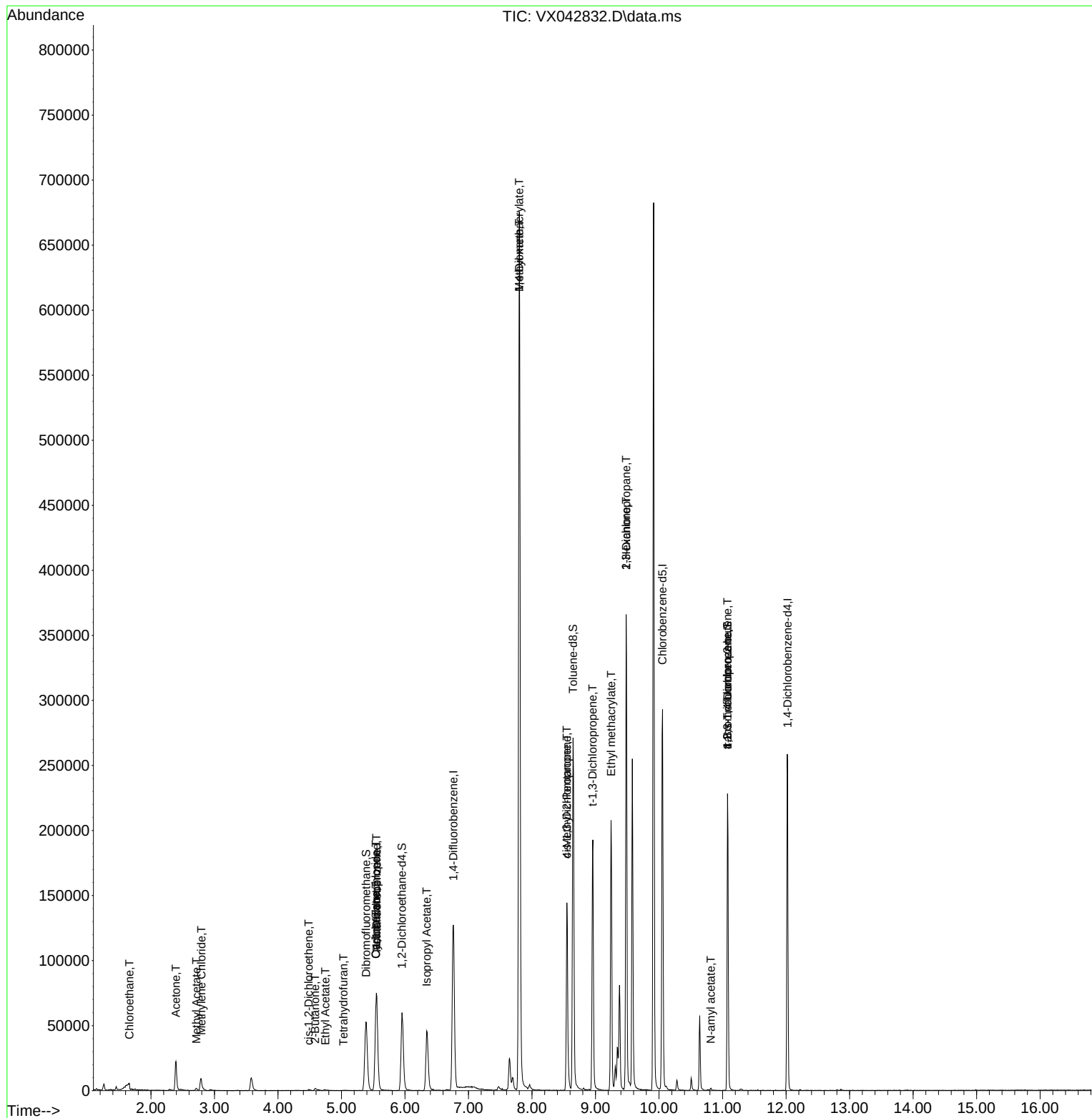
Internal Standards						
1) Pentafluorobenzene	5.556	168	65945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60180	56.802	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.600%			
35) Dibromofluoromethane	5.385	113	47108	50.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.060%			
50) Toluene-d8	8.647	98	161795	47.341	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.680%			
62) 4-Bromofluorobenzene	11.079	95	61428	49.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.360%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	23	Below Cal	#	43
6) Chloroethane	1.660	64	115	0.389	ug/l #	43
11) Tert butyl alcohol	2.995	59	382	Below Cal	#	78
16) Acetone	2.392	43	25341	65.871	ug/l #	81
18) Methyl Acetate	2.715	43	2333	2.416	ug/l #	86
20) Methylene Chloride	2.794	84	5649	5.664	ug/l #	75
25) 2-Butanone	4.587	43	2517	4.453	ug/l #	90
27) cis-1,2-Dichloroethene	4.483	96	236	0.244	ug/l #	51
29) Tetrahydrofuran	5.032	42	114	0.324	ug/l #	34
31) Cyclohexane	5.544	56	1518	1.300	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	5860	4.799	ug/l #	53
37) Ethyl Acetate	4.745	43	1700	1.364	ug/l #	76
38) Carbon Tetrachloride	5.544	117	7184	5.105	ug/l #	15
43) Isopropyl Acetate	6.342	43	62452	32.033	ug/l #	95
48) Methyl methacrylate	7.799	41	59476	62.049	ug/l #	49
49) 1,4-Dioxane	7.799	88	71	33.617	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	48402	37.485	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	448	0.339	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24690	17.583	ug/l #	55
56) Ethyl methacrylate	9.244	69	892	0.613	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3311	2.087	ug/l #	42
59) 2-Hexanone	9.482	43	42027	41.971	ug/l #	54
74) N-amyl acetate	10.817	43	507	0.332	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	32770	27.641	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	32770	81.813	ug/l #	5

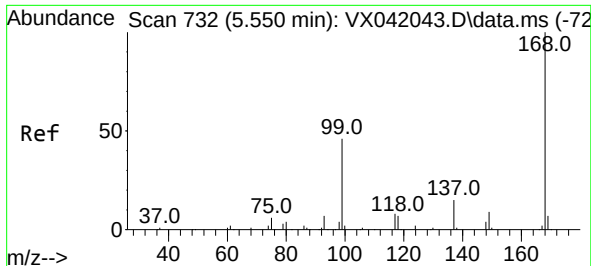
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080124\
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Sample : PB162393ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

Quant Time: Aug 02 08:32:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080124W.M
Quant Title : SW846 8260
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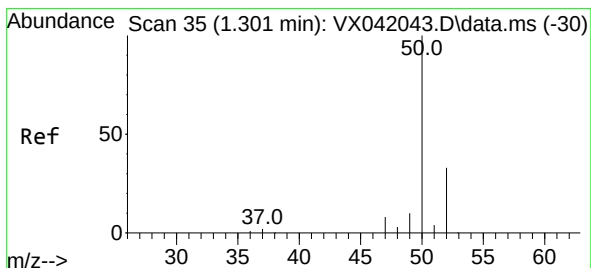
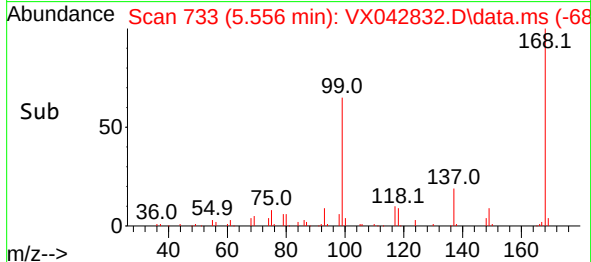
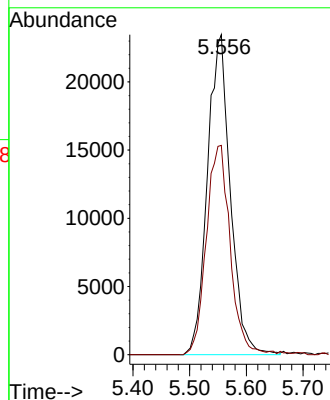
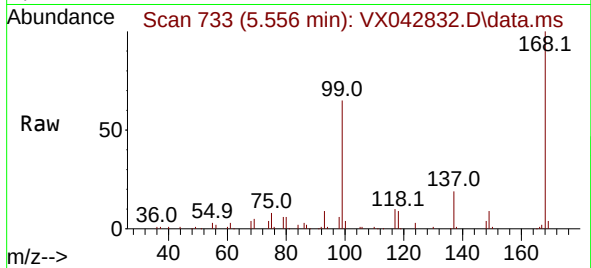




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

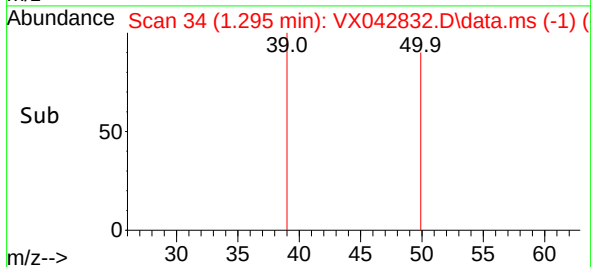
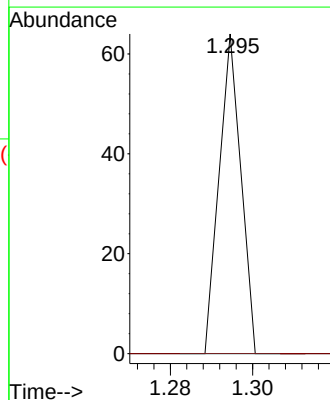
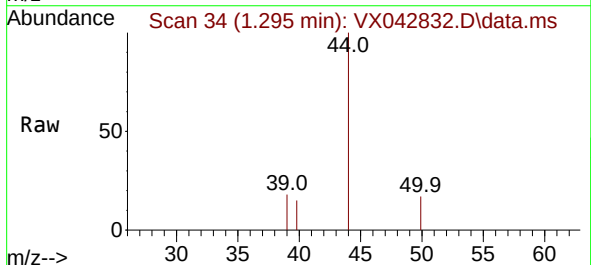
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

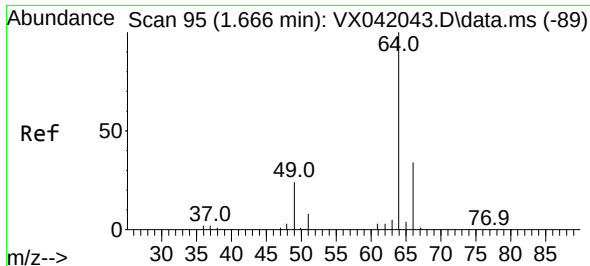
Tgt Ion:168 Resp: 65945
Ion Ratio Lower Upper
168 100
99 65.4 56.6 85.0



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 50 Resp: 23
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

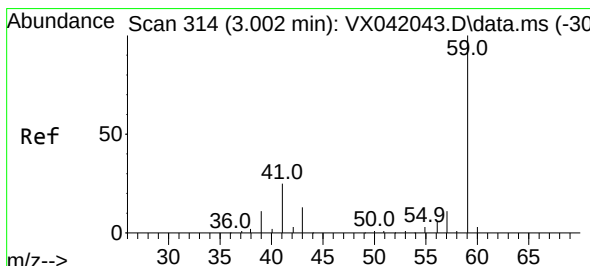
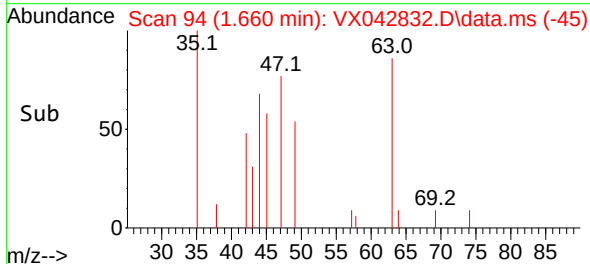
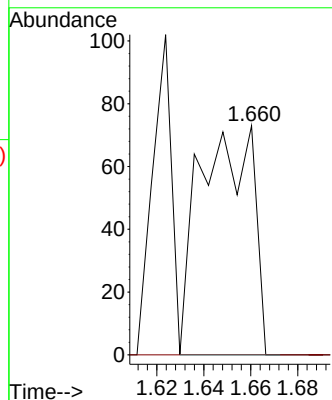
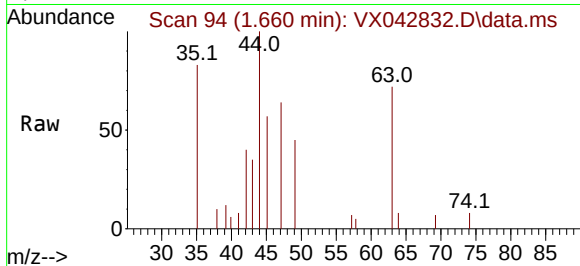




#6
Chloroethane
Concen: 0.389 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

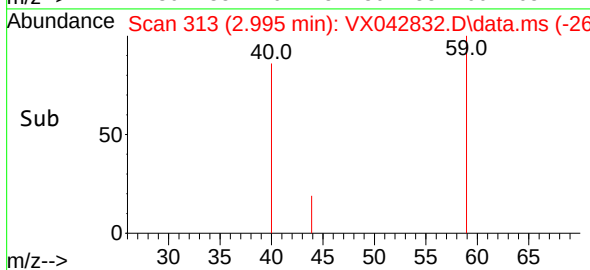
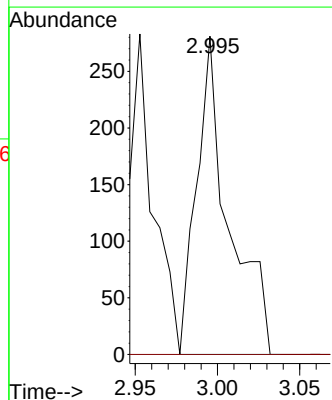
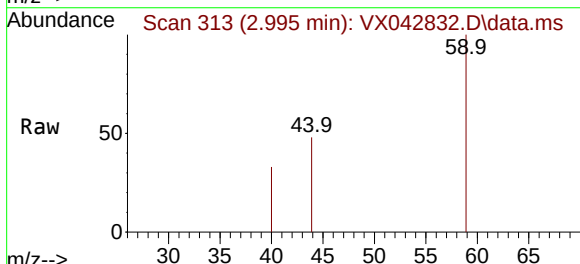
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

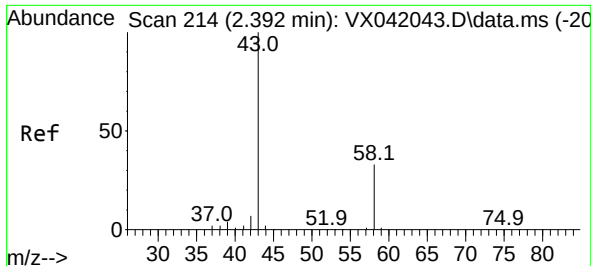
Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

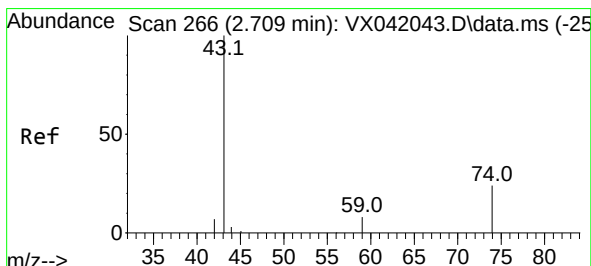
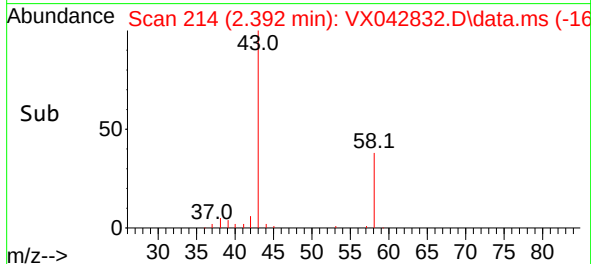
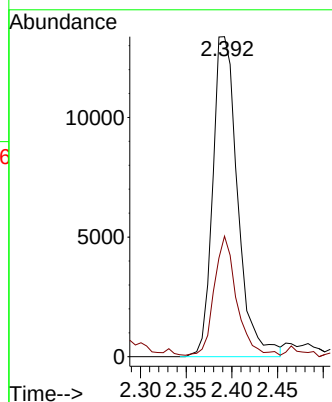
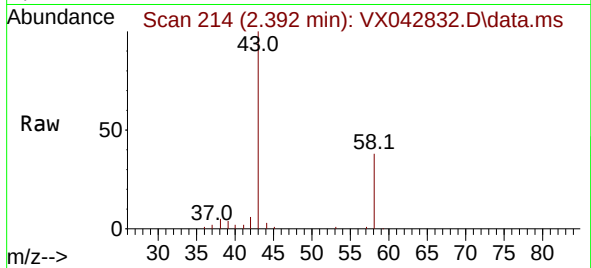




#16
Acetone
Concen: 65.871 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

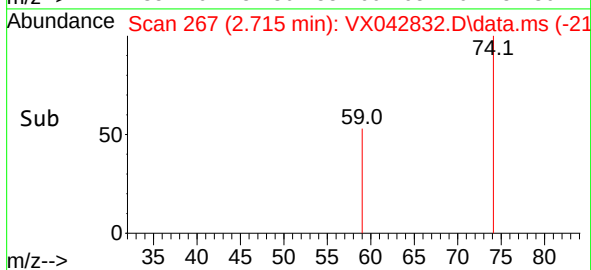
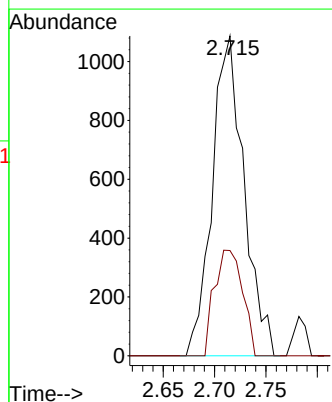
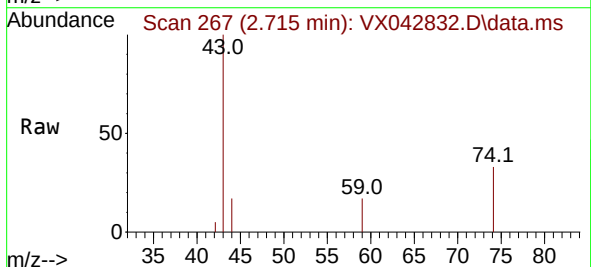
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

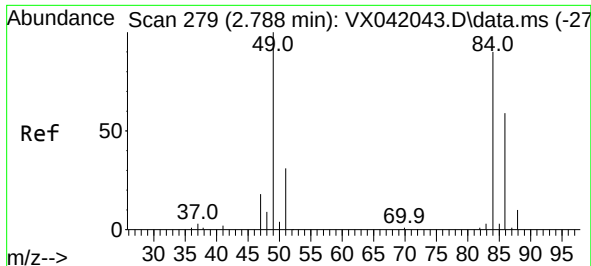
Tgt Ion: 43 Resp: 25341
Ion Ratio Lower Upper
43 100
58 37.2 21.9 32.9#



#18
Methyl Acetate
Concen: 2.416 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
74 29.2 17.8 26.8#





#20

Methylene Chloride

Concen: 5.664 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX042832.D

Acq: 02 Aug 2024 07:45

Instrument :

MSVOA_X

ClientSampleId :

PB162393ZHE#01

Tgt Ion: 84 Resp: 5649

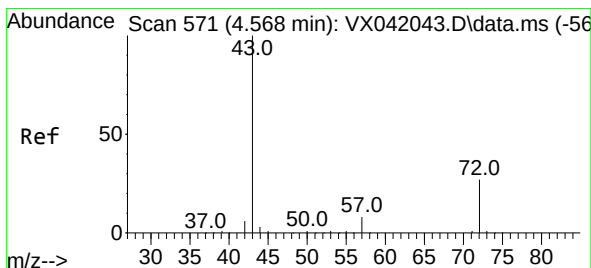
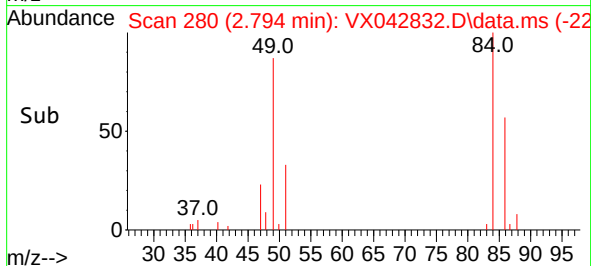
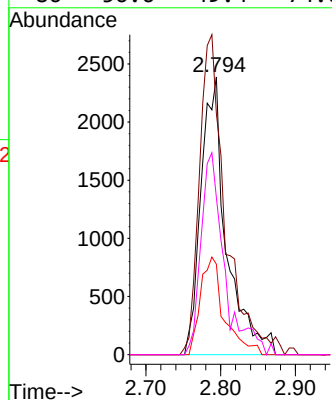
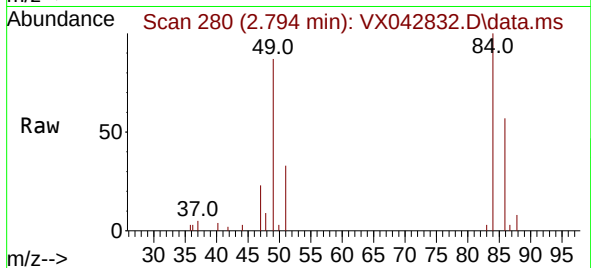
Ion Ratio Lower Upper

84 100

49 86.9 103.6 155.4#

51 32.6 33.8 50.6#

86 56.6 49.4 74.0



#25

2-Butanone

Concen: 4.453 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.013 min

Lab File: VX042832.D

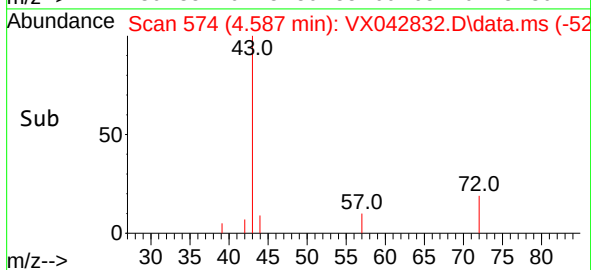
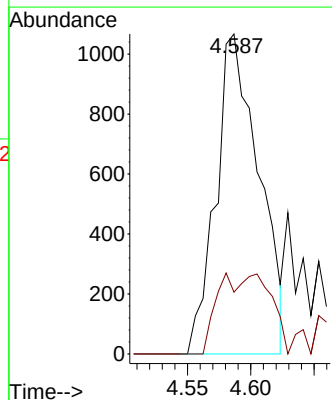
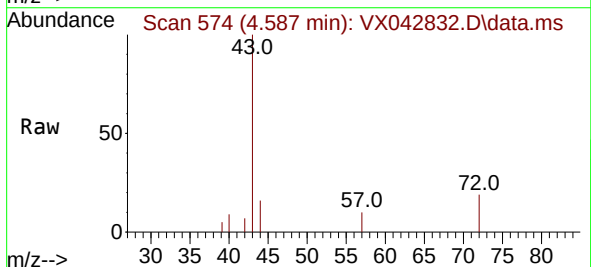
Acq: 02 Aug 2024 07:45

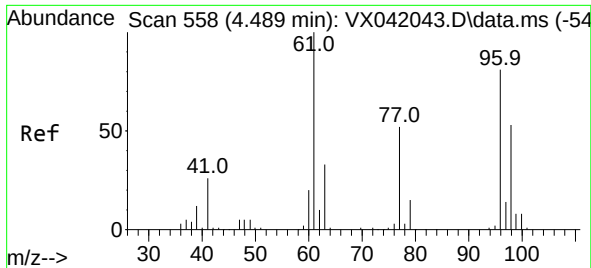
Tgt Ion: 43 Resp: 2517

Ion Ratio Lower Upper

43 100

72 19.3 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 0.244 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX042832.D

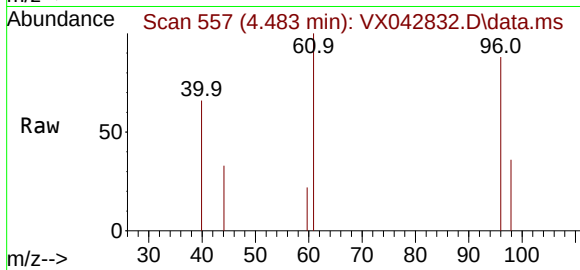
Acq: 02 Aug 2024 07:45

Instrument :

MSVOA_X

ClientSampleId :

PB162393ZHE#01



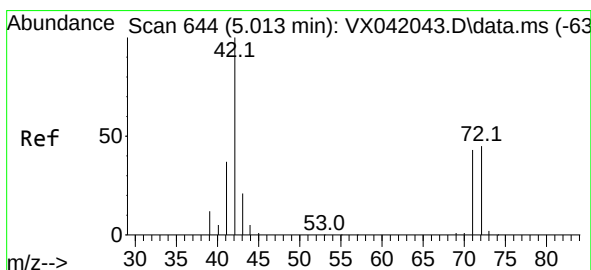
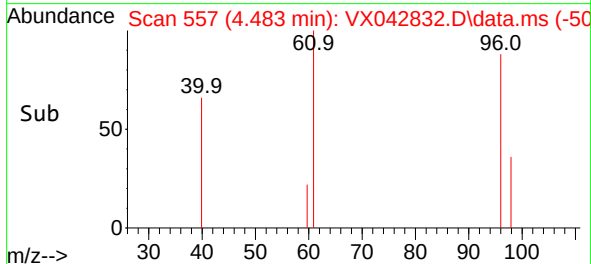
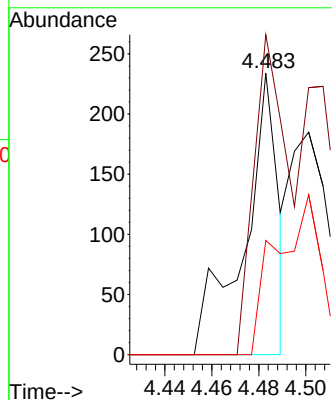
Tgt Ion: 96 Resp: 236

Ion Ratio Lower Upper

96 100

61 111.0 0.0 312.2

98 0.0 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.324 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX042832.D

Acq: 02 Aug 2024 07:45

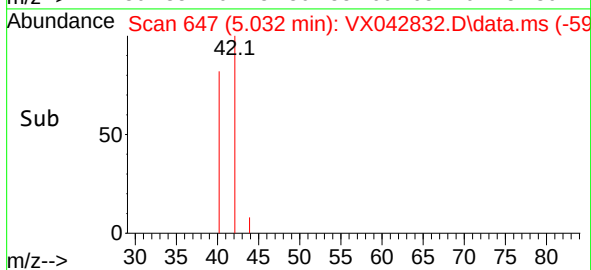
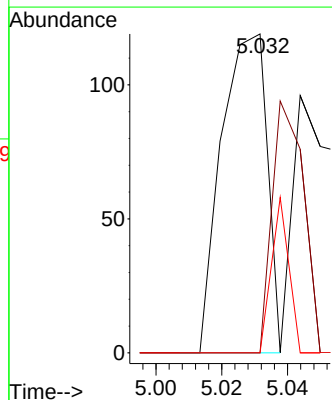
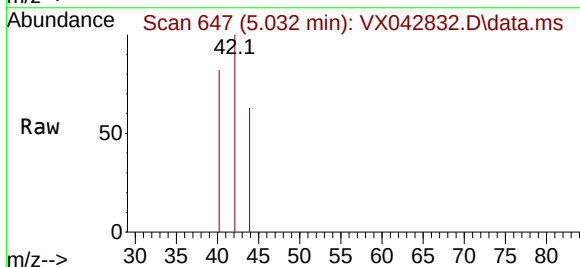
Tgt Ion: 42 Resp: 114

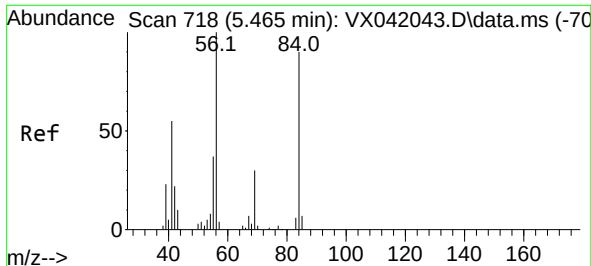
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

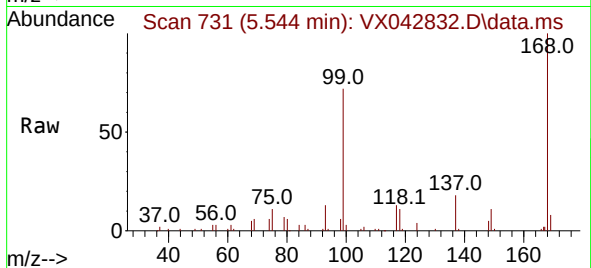
71 0.0 32.2 48.2#



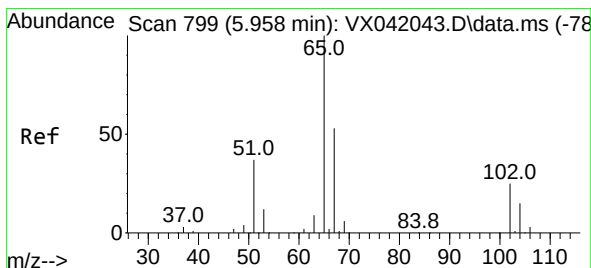
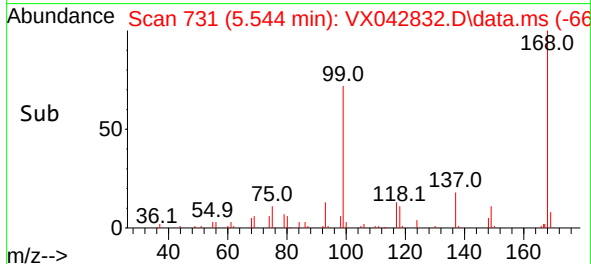
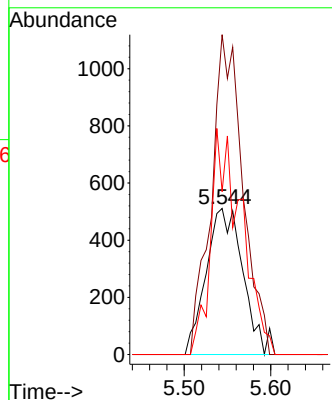


#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

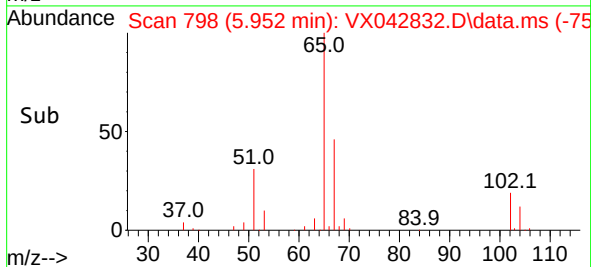
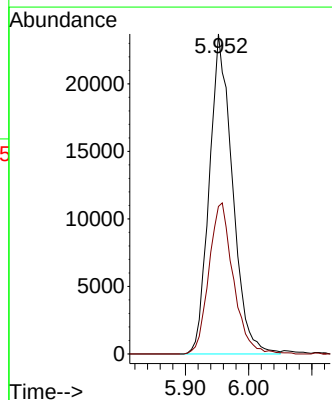
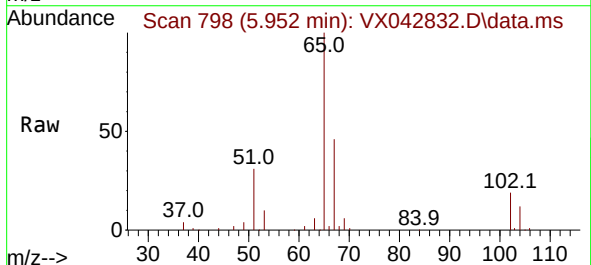


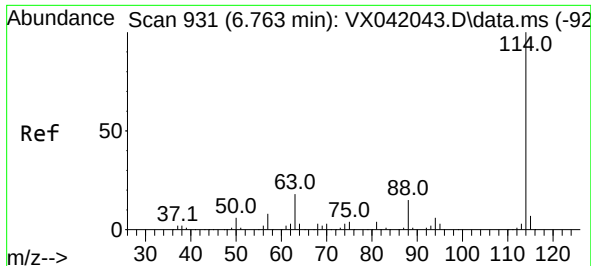
Tgt Ion: 56 Resp: 1518
Ion Ratio Lower Upper
56 100
69 219.0 23.4 35.2#
84 111.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 56.802 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 65 Resp: 60180
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2

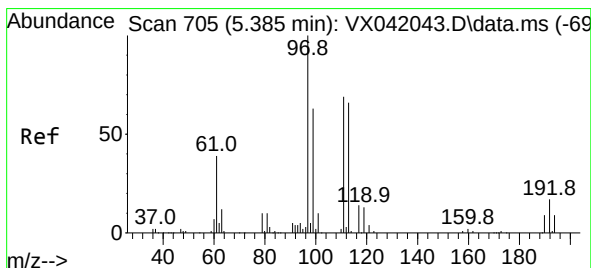
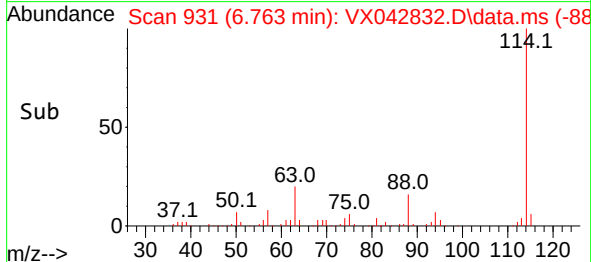
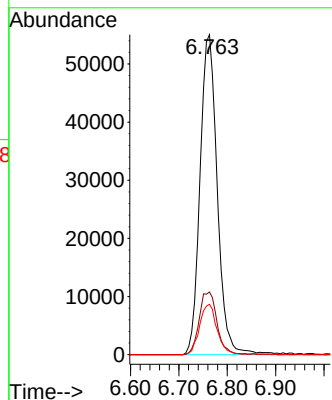
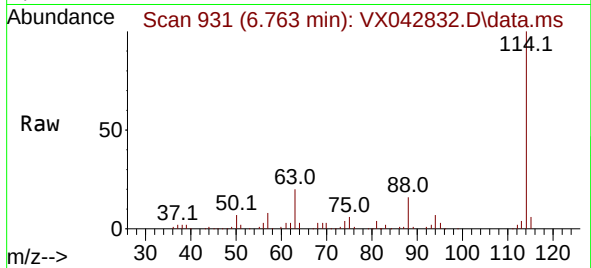




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

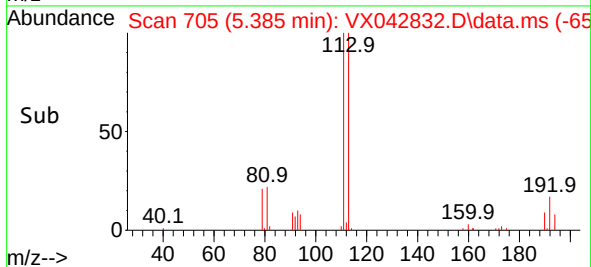
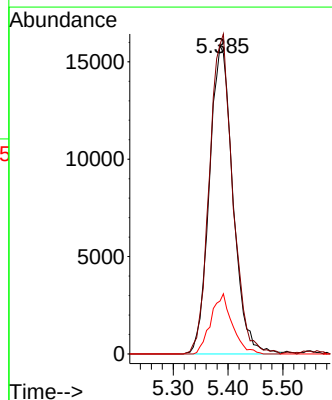
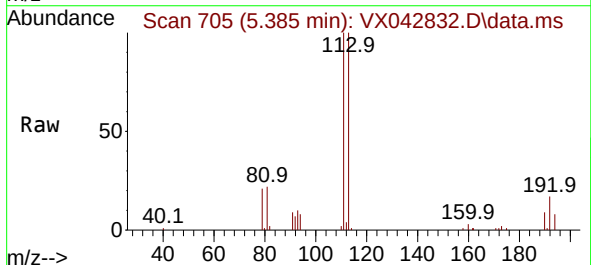
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

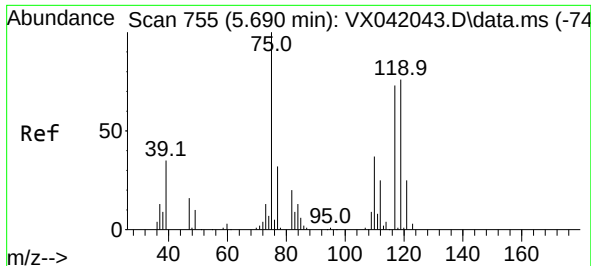
Tgt Ion:114 Resp: 136300
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.031 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion:113 Resp: 47108
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 17.7 13.3 19.9

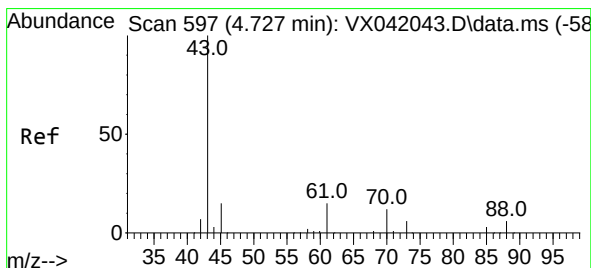
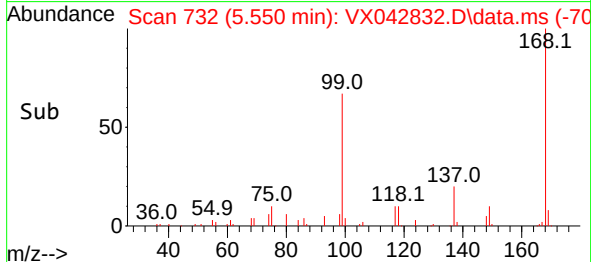
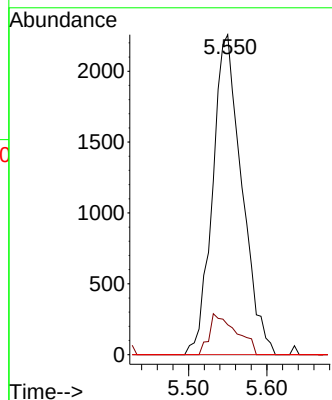
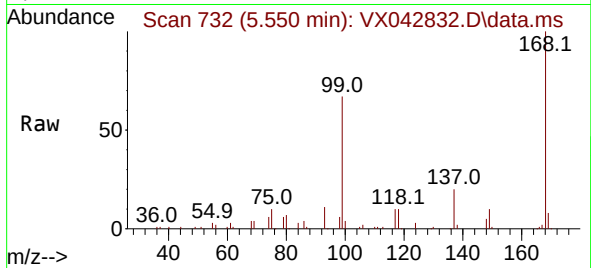




#36
1,1-Dichloropropene
Concen: 4.799 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

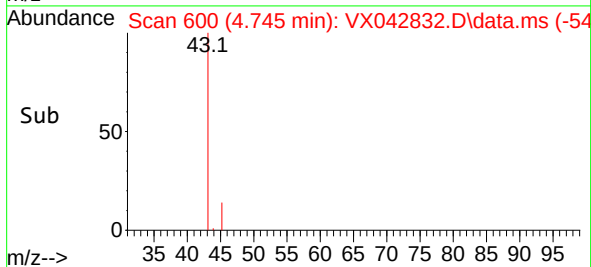
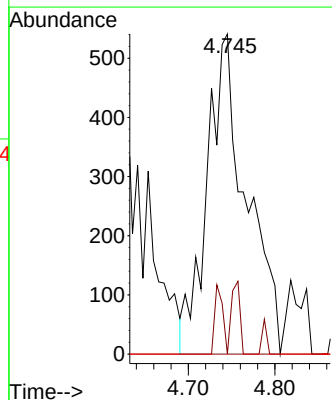
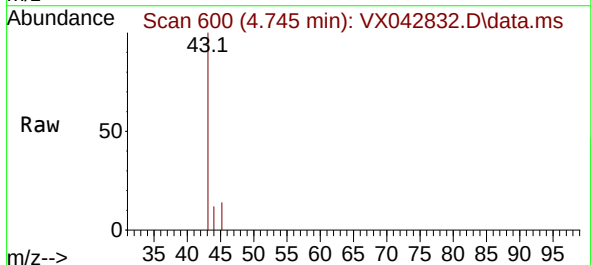
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

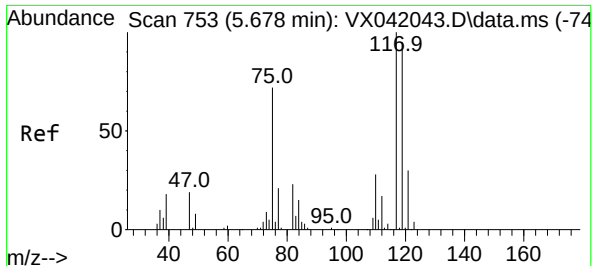
Tgt Ion: 75 Resp: 5860
Ion Ratio Lower Upper
75 100
110 11.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.364 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.018 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

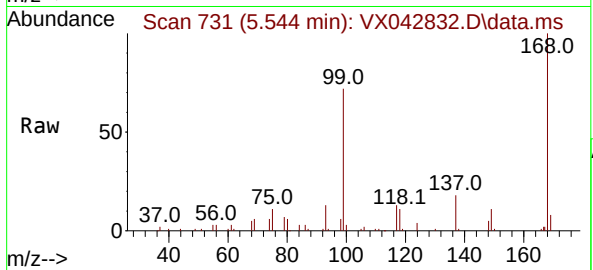
Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
61 4.9 10.6 16.0#
70 0.0 8.3 12.5#



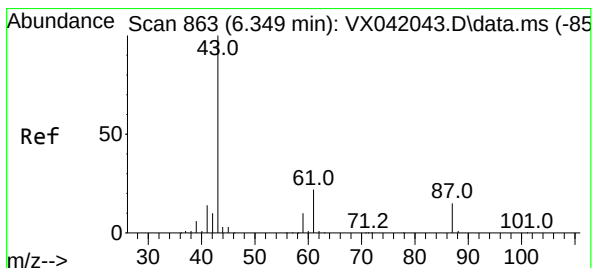
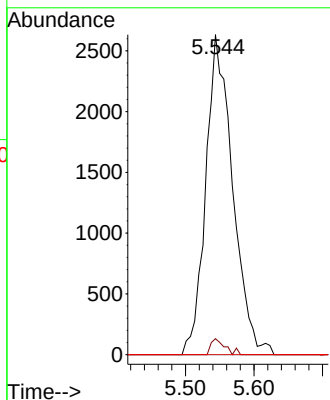
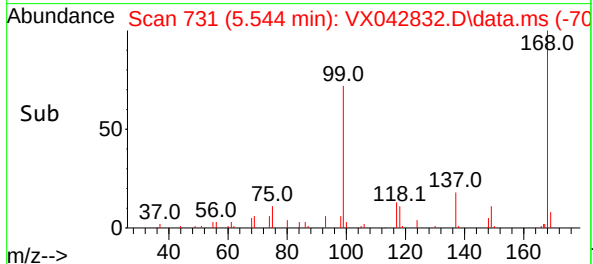


#38
Carbon Tetrachloride
Concen: 5.105 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

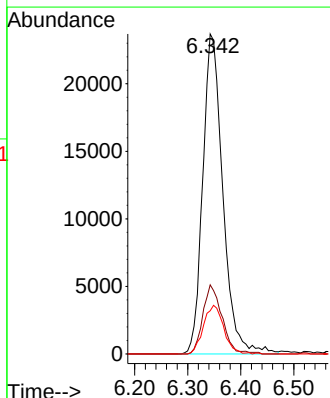
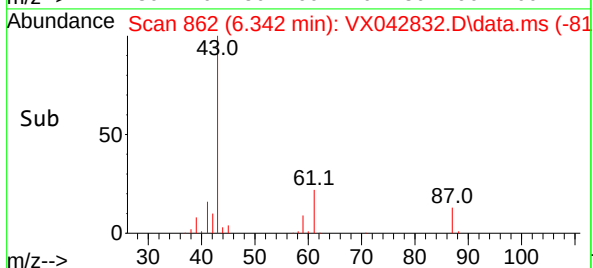
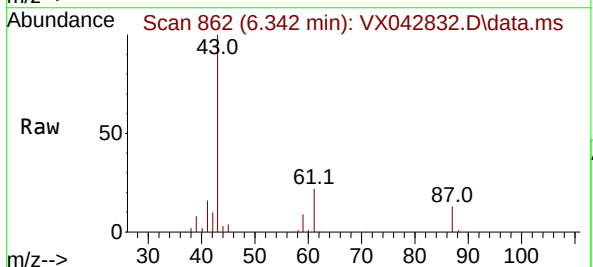


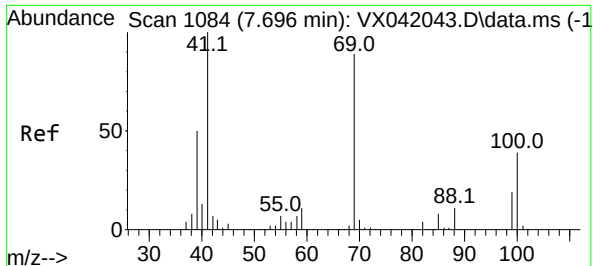
Tgt Ion:117 Resp: 7184
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.033 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 43 Resp: 62452
Ion Ratio Lower Upper
43 100
61 20.6 15.2 22.8
87 15.3 9.8 14.6#

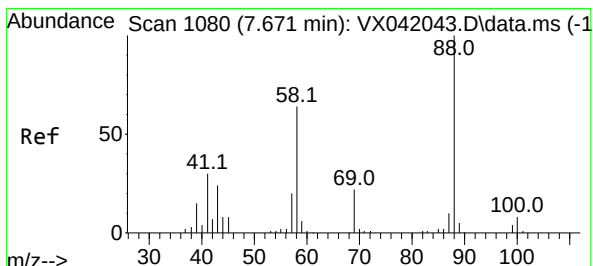
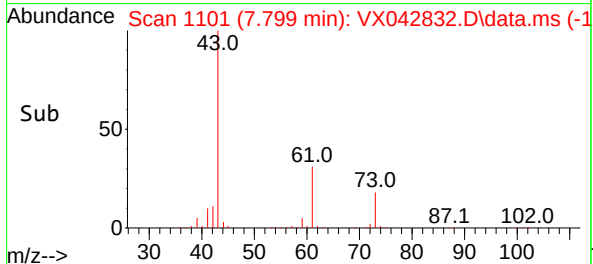
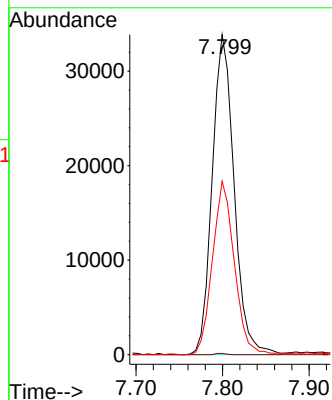
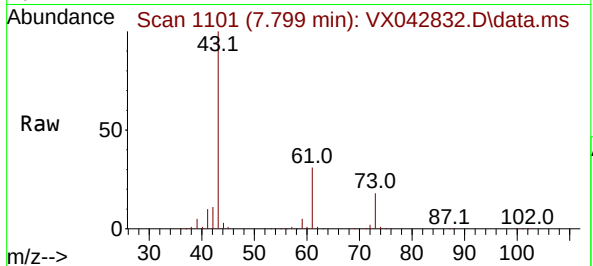




#48
Methyl methacrylate
Concen: 62.049 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

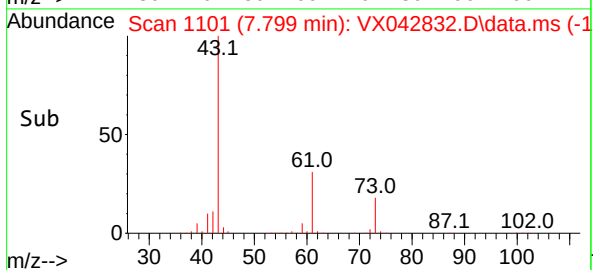
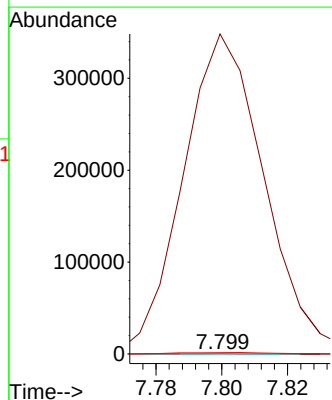
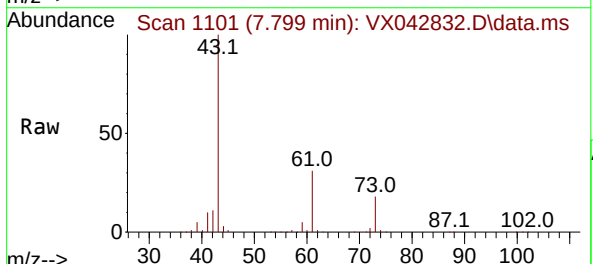
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

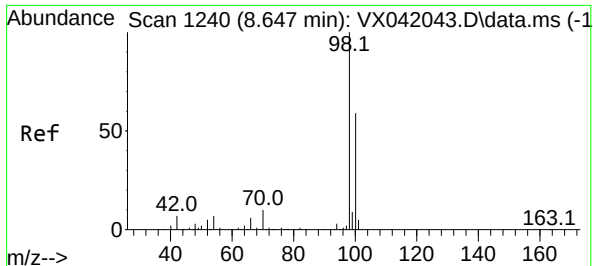
Tgt Ion: 41 Resp: 59476
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.3 47.7 71.5



#49
1,4-Dioxane
Concen: 33.617 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 859600.0 0.0 0.0#
58 4211.3 60.1 90.1#

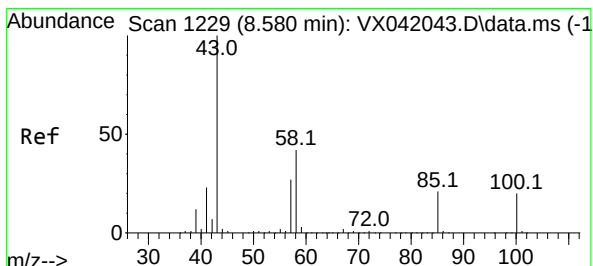
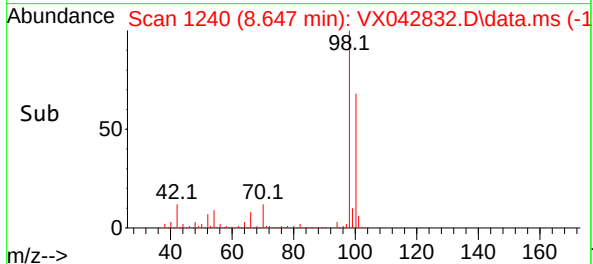
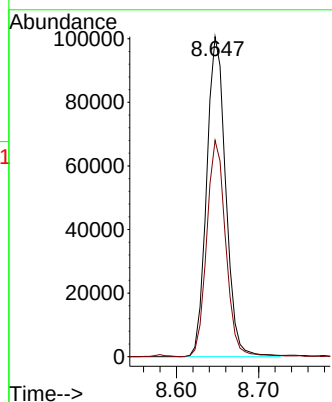
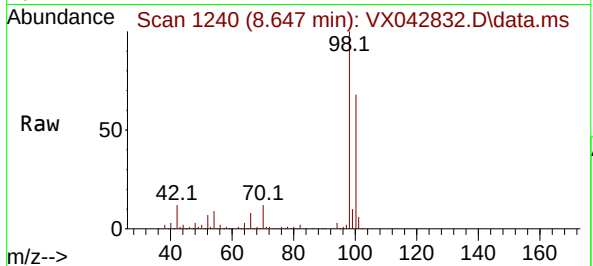




#50
Toluene-d8
Concen: 47.341 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

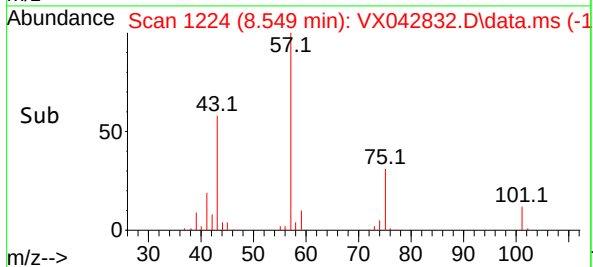
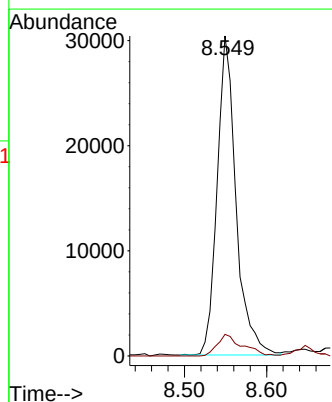
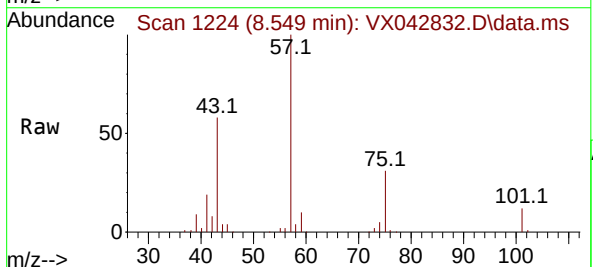
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

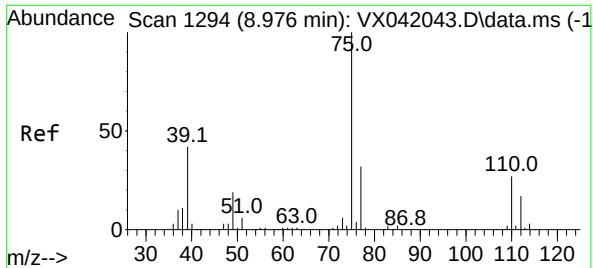
Tgt Ion: 98 Resp: 161795
Ion Ratio Lower Upper
98 100
100 67.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 37.485 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 43 Resp: 48402
Ion Ratio Lower Upper
43 100
58 9.0 30.4 45.6#

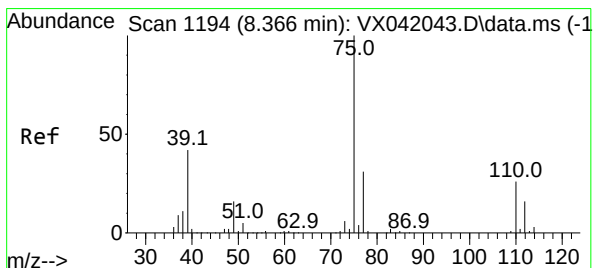
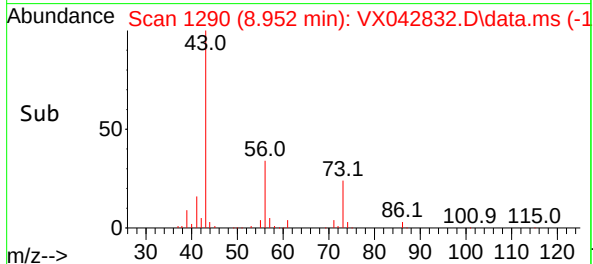
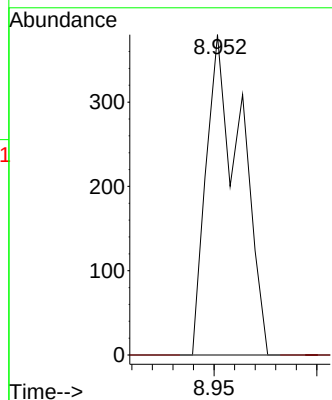
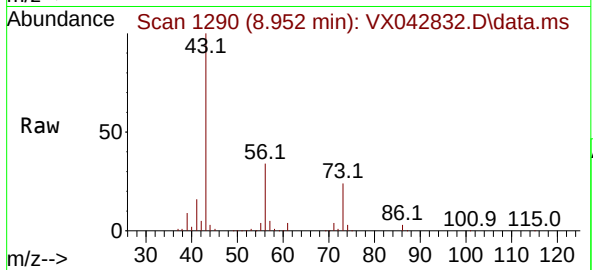




#53
 t-1,3-Dichloropropene
 Concen: 0.339 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX042832.D
 Acq: 02 Aug 2024 07:45

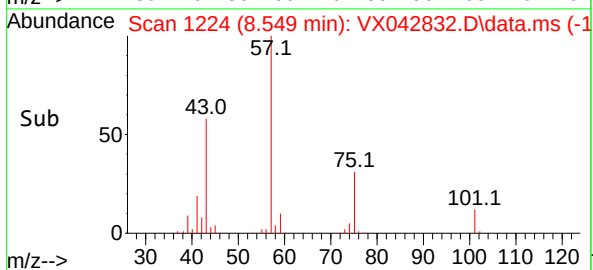
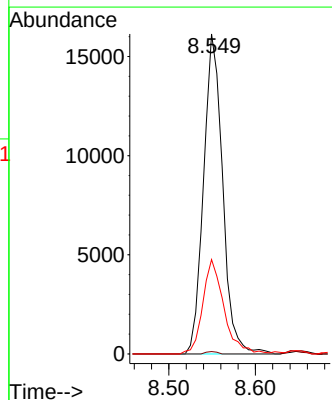
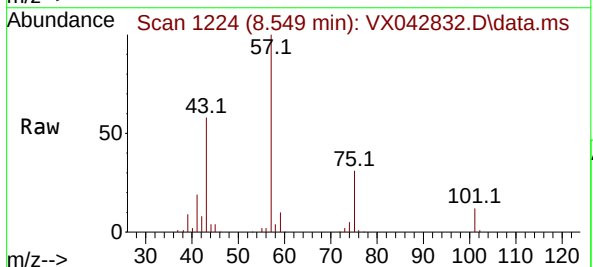
Instrument :
 MSVOA_X
 ClientSampleId :
 PB162393ZHE#01

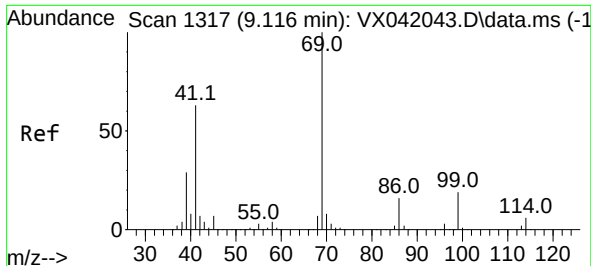
Tgt Ion: 75 Resp: 448
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 17.583 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042832.D
 Acq: 02 Aug 2024 07:45

Tgt Ion: 75 Resp: 24690
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 29.5 46.7 70.1#

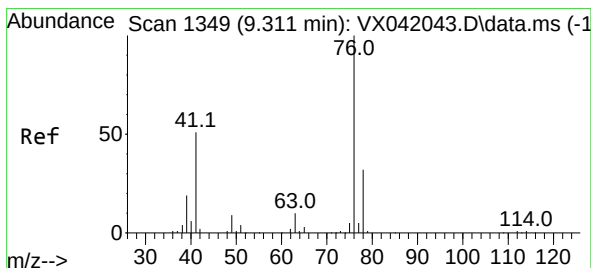
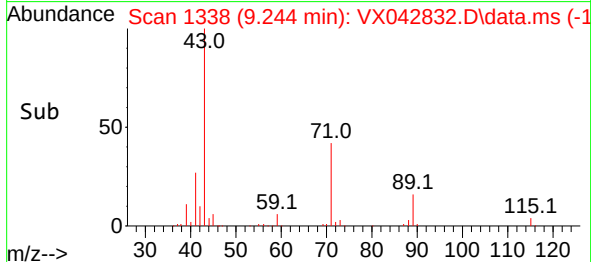
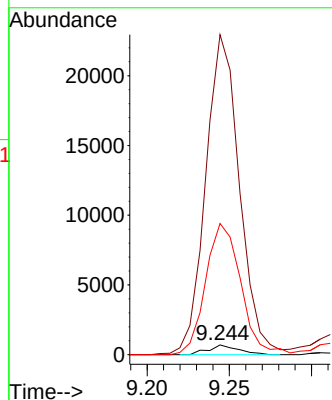
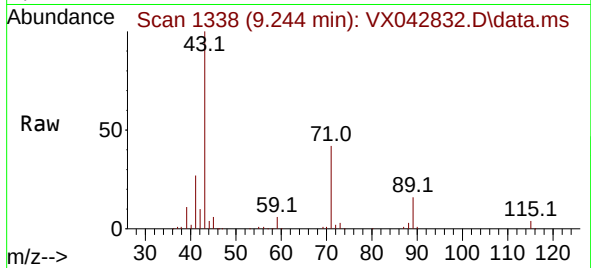




#56
Ethyl methacrylate
Concen: 0.613 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.122 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

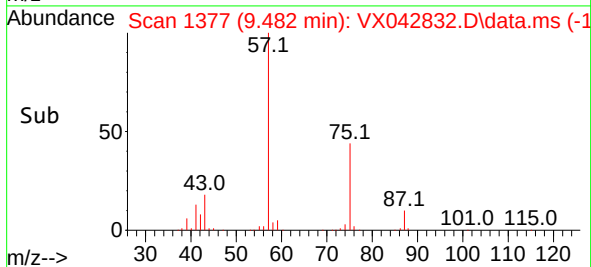
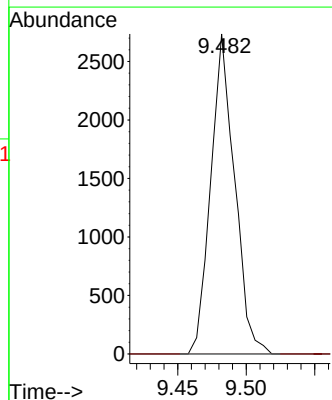
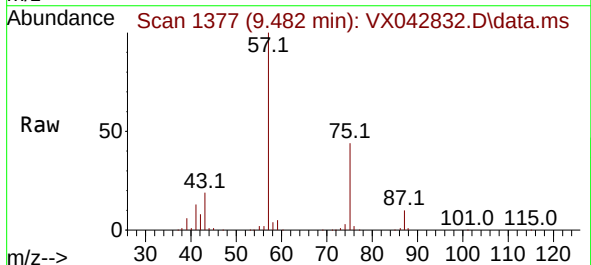
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

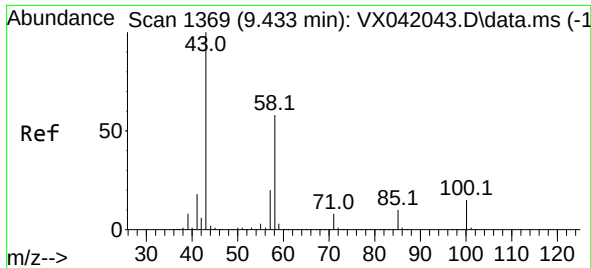
Tgt Ion: 69 Resp: 892
Ion Ratio Lower Upper
69 100
41 3692.7 56.8 85.2#
39 1566.3 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 2.087 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 76 Resp: 3311
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

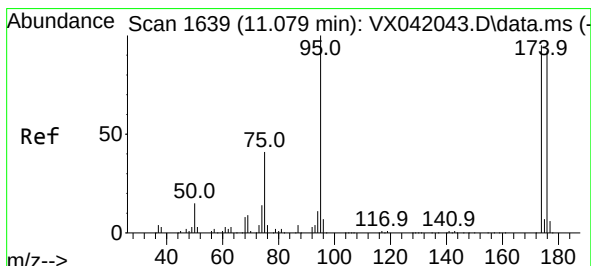
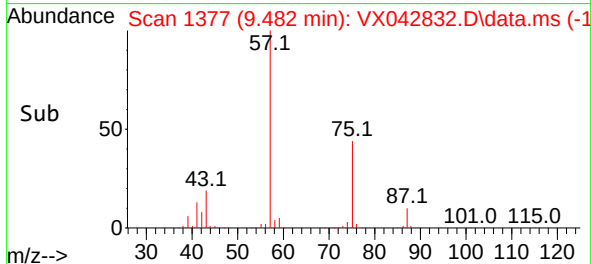
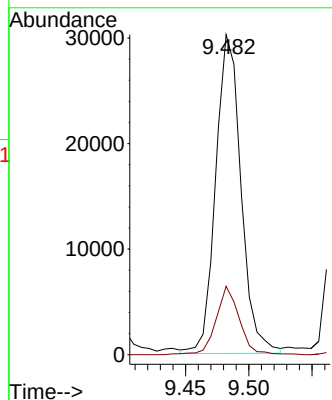
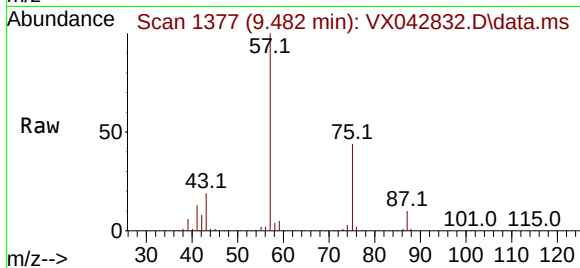




#59
2-Hexanone
Concen: 41.971 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

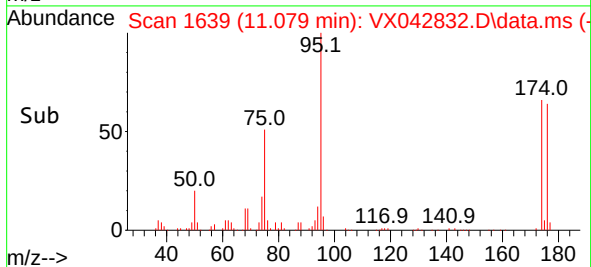
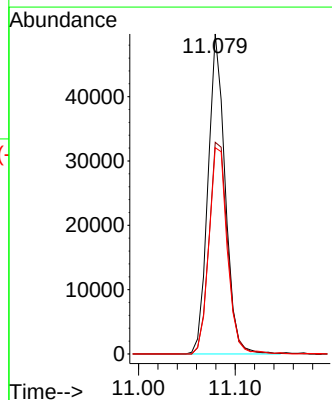
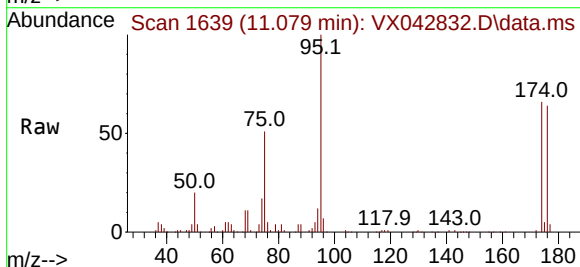
Instrument :
MSVOA_X
ClientSampleId :
PB162393ZHE#01

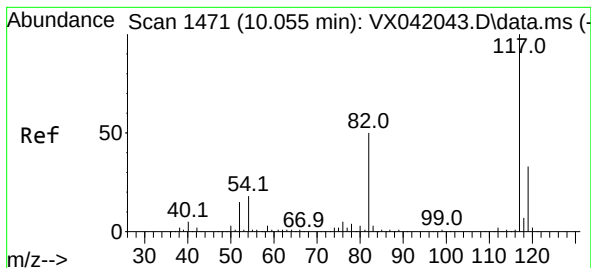
Tgt Ion: 43 Resp: 42027
Ion Ratio Lower Upper
43 100
58 19.7 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042832.D
Acq: 02 Aug 2024 07:45

Tgt Ion: 95 Resp: 61428
Ion Ratio Lower Upper
95 100
174 71.8 0.0 135.6
176 69.1 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042832.D

Acq: 02 Aug 2024 07:45

Instrument :

MSVOA_X

ClientSampleId :

PB162393ZHE#01

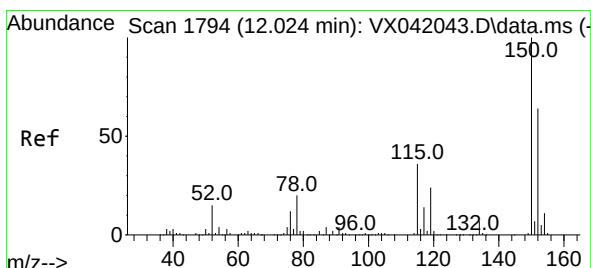
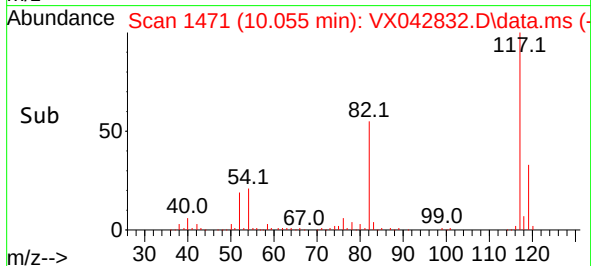
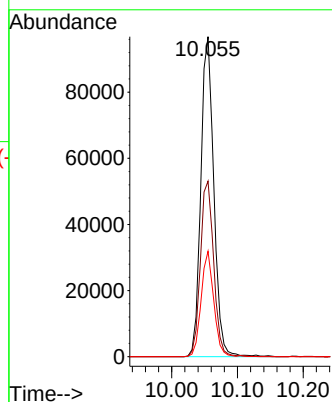
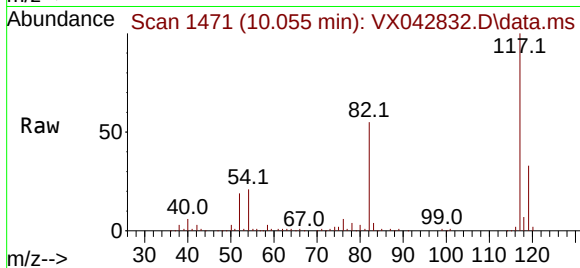
Tgt Ion:117 Resp: 132996

Ion Ratio Lower Upper

117 100

82 54.9 46.2 69.4

119 33.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042832.D

Acq: 02 Aug 2024 07:45

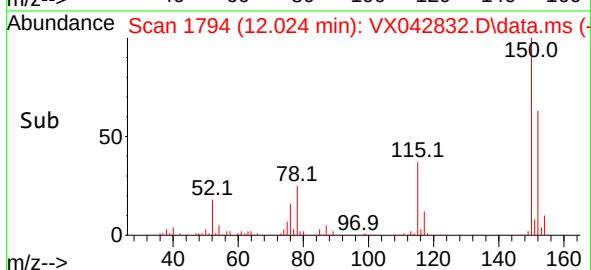
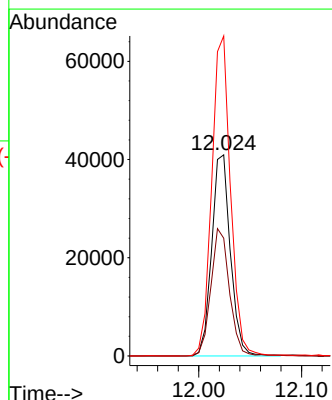
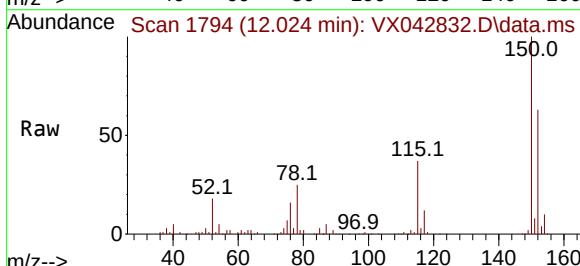
Tgt Ion:152 Resp: 51883

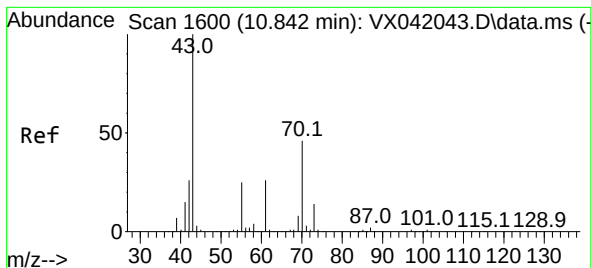
Ion Ratio Lower Upper

152 100

115 62.9 43.3 129.9

150 159.7 0.0 345.0





#74

N-amy1 acetate

Concen: 0.332 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX042832.D

Acq: 02 Aug 2024 07:45

Instrument :

MSVOA_X

ClientSampleId :

PB162393ZHE#01

Tgt Ion: 43 Resp: 507

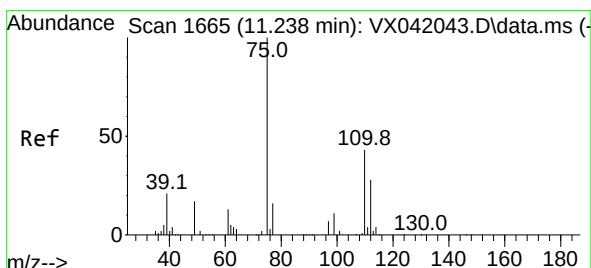
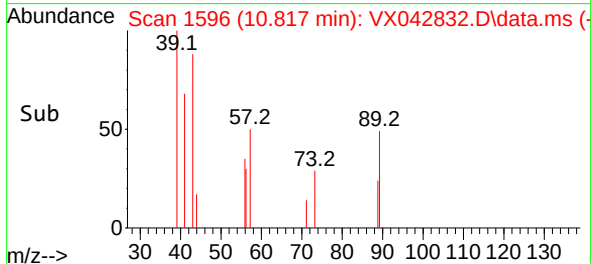
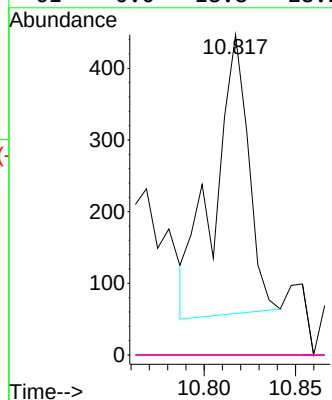
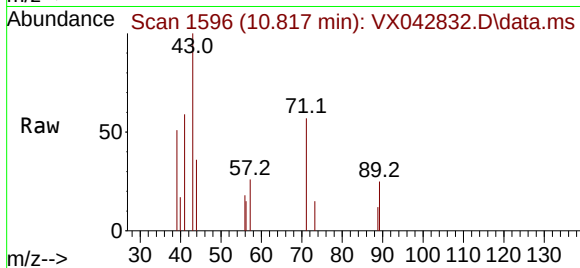
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.641 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042832.D

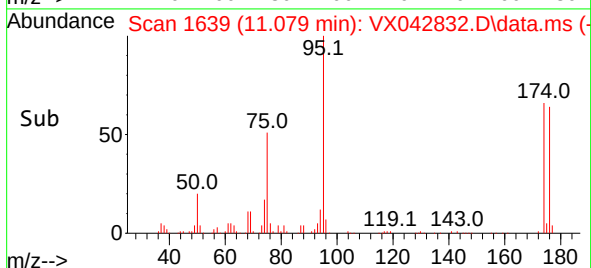
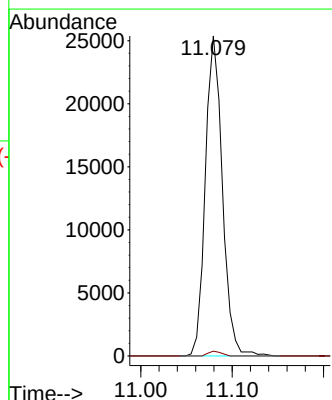
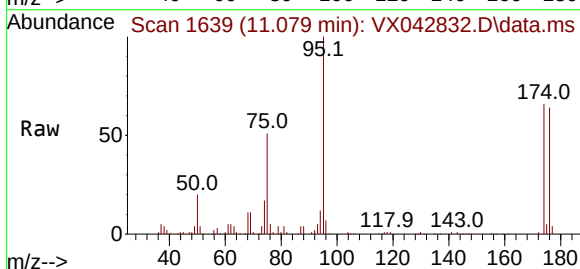
Acq: 02 Aug 2024 07:45

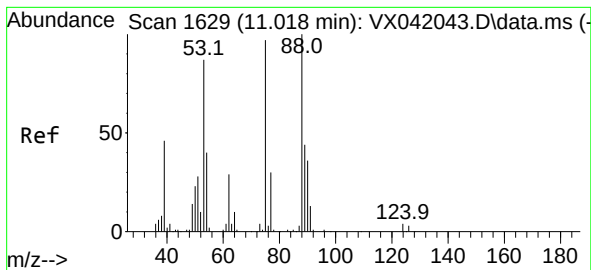
Tgt Ion: 75 Resp: 32770

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.813 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042832.D
 Acq: 02 Aug 2024 07:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162393ZHE#01

Tgt Ion: 75 Resp: 32770
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

