

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080124\
 Data File : VX042831.D
 Acq On : 02 Aug 2024 07:22
 Operator : JC/MD
 Sample : PB162393TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162393TB

Quant Time: Aug 02 08:31:57 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)

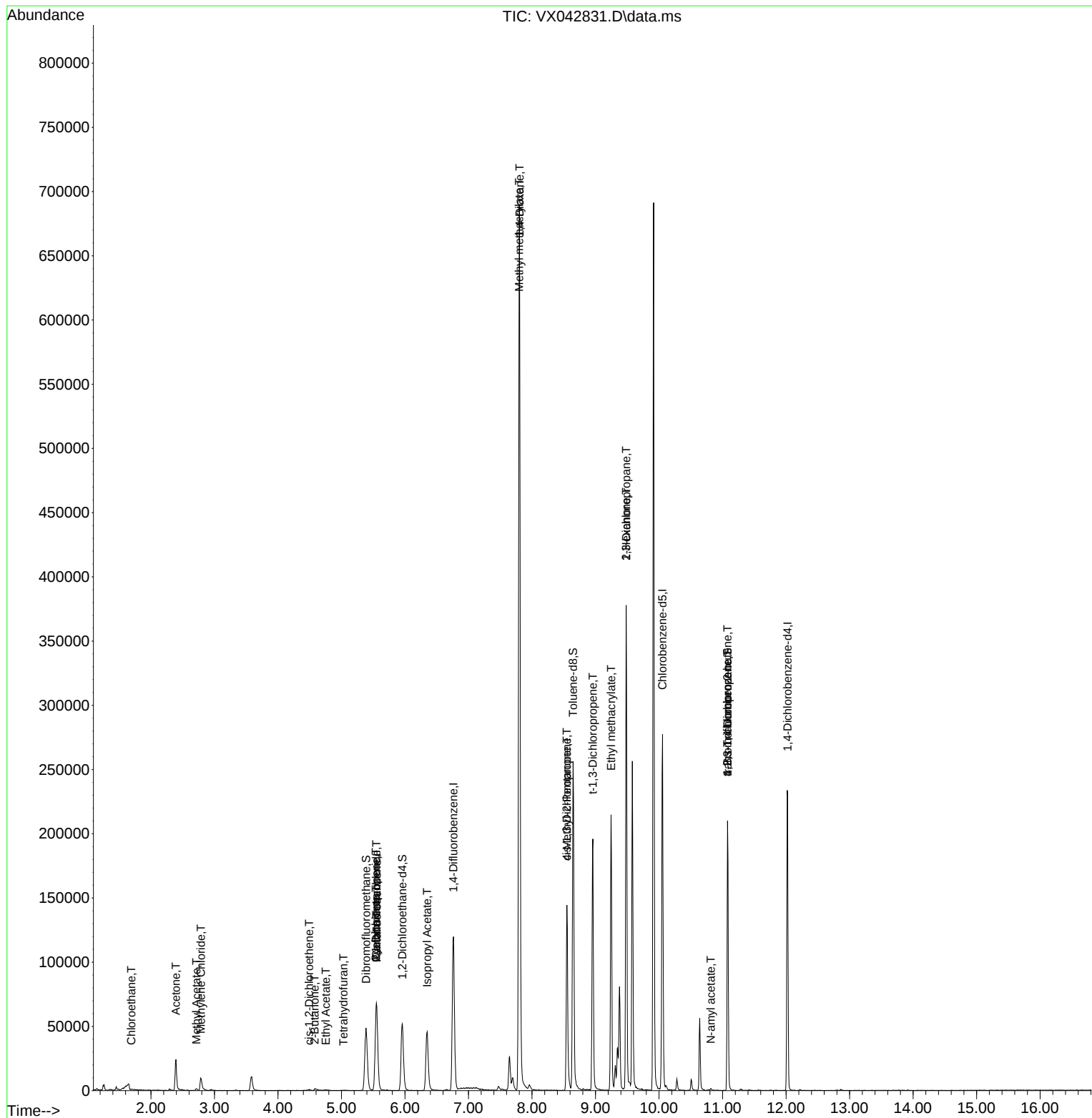
Internal Standards						
1) Pentafluorobenzene	5.556	168	60445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	123573	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54802	56.433	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.860%			
35) Dibromofluoromethane	5.385	113	42534	49.826	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.647	98	153763	49.624	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.240%			
62) 4-Bromofluorobenzene	11.079	95	56593	49.978	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.960%			
Target Compounds					Qvalue	
3) Chloromethane	1.252	50	57	Below Cal	#	43
6) Chloroethane	1.691	64	66	0.244	ug/l #	43
11) Tert butyl alcohol	3.014	59	416	Below Cal	#	78
16) Acetone	2.392	43	26955	76.442	ug/l #	82
18) Methyl Acetate	2.715	43	1898	2.145	ug/l	98
20) Methylene Chloride	2.788	84	5879	6.543	ug/l #	77
25) 2-Butanone	4.574	43	1539	2.971	ug/l #	84
27) cis-1,2-Dichloroethene	4.489	96	617	0.695	ug/l	61
29) Tetrahydrofuran	5.032	42	93	0.288	ug/l #	81
31) Cyclohexane	5.544	56	877	0.820	ug/l #	51
36) 1,1-Dichloropropene	5.544	75	5357	4.839	ug/l #	48
37) Ethyl Acetate	4.751	43	1063	0.941	ug/l #	81
38) Carbon Tetrachloride	5.550	117	7122	5.582	ug/l #	16
43) Isopropyl Acetate	6.348	43	64014	36.216	ug/l #	95
48) Methyl methacrylate	7.799	41	61322	70.564	ug/l #	50
49) 1,4-Dioxane	7.805	88	104	35.379	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	51336	43.852	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	423	0.353	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24485	19.233	ug/l #	54
56) Ethyl methacrylate	9.244	69	915	0.693	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3319	2.307	ug/l #	42
59) 2-Hexanone	9.482	43	42080	46.352	ug/l #	55
74) N-amyl acetate	10.817	43	570	0.401	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	29299	26.498	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	29299	78.427	ug/l #	5

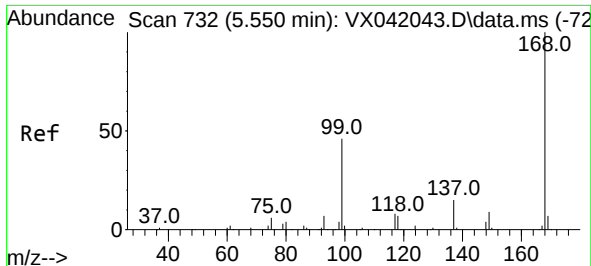
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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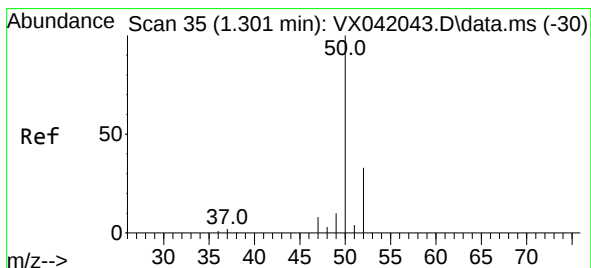
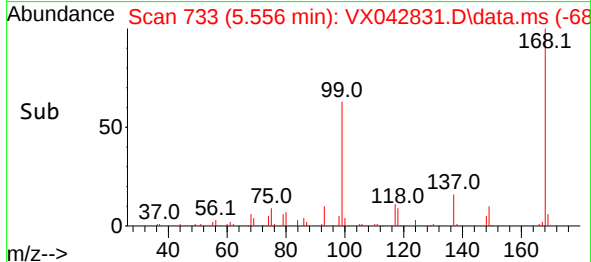
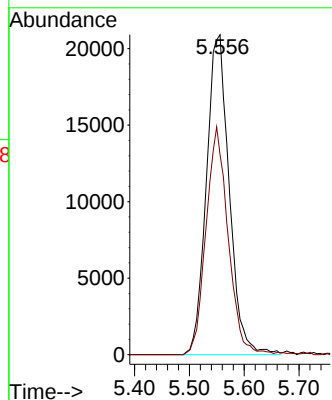
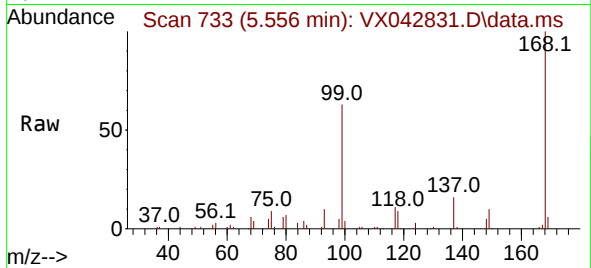




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

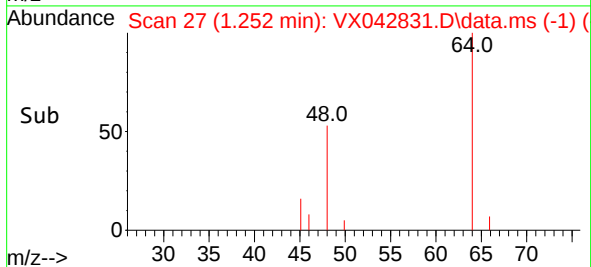
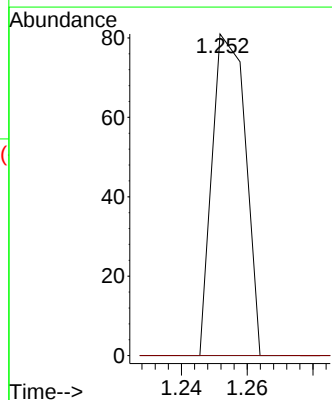
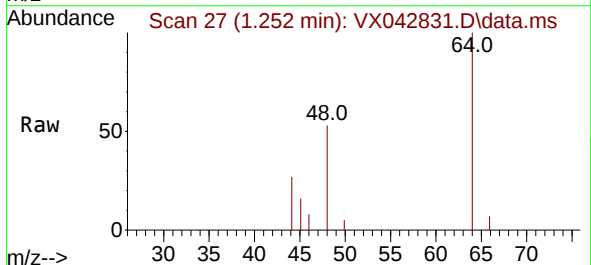
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

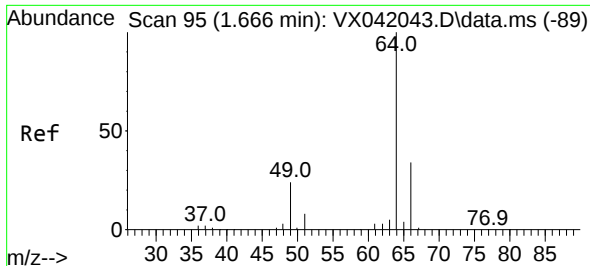
Tgt Ion:168 Resp: 60445
Ion Ratio Lower Upper
168 100
99 62.5 56.6 85.0



#3
Chloromethane
Concen: Below Cal
RT: 1.252 min Scan# 27
Delta R.T. -0.055 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 50 Resp: 57
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

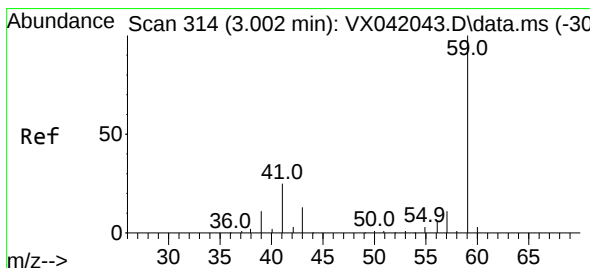
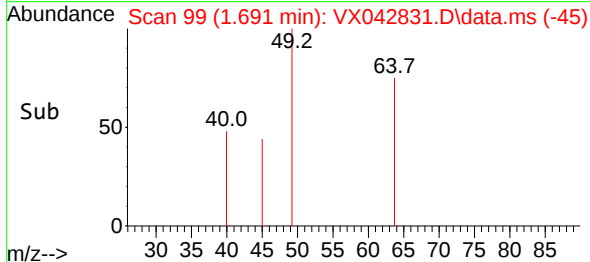
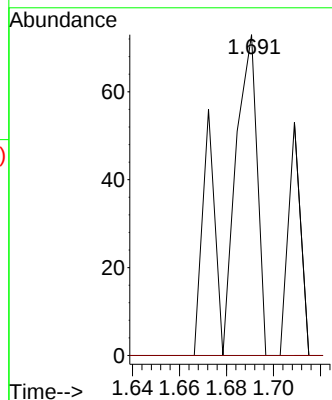
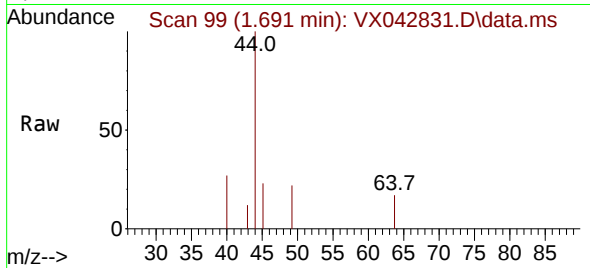




#6
Chloroethane
Concen: 0.244 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.031 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

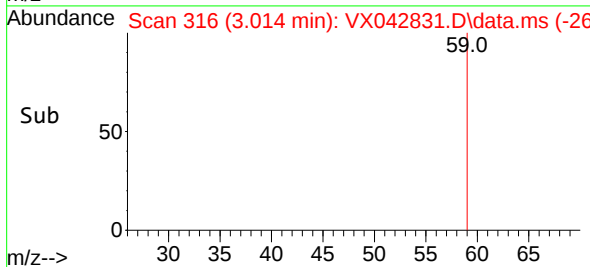
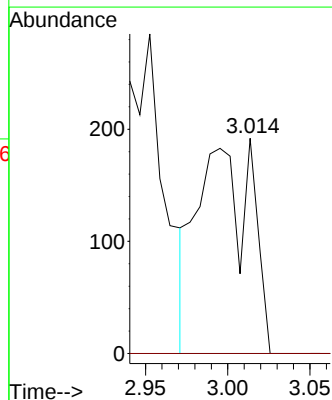
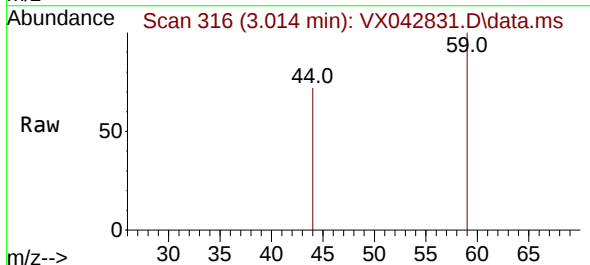
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

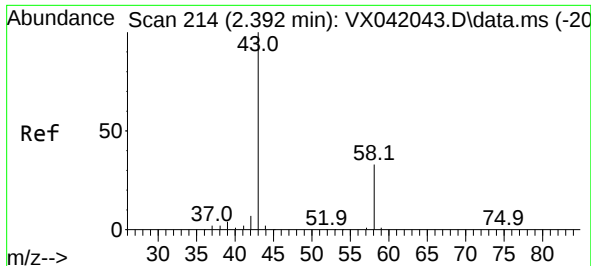
Tgt Ion: 64 Resp: 66
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.014 min Scan# 316
Delta R.T. 0.007 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

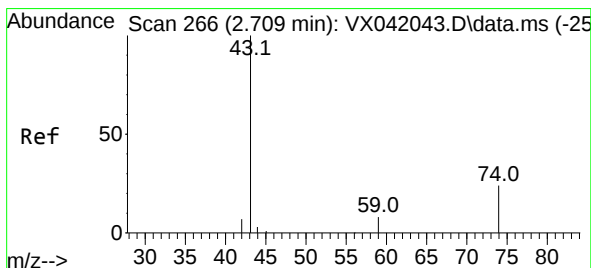
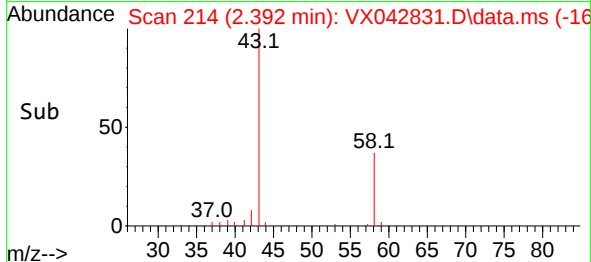
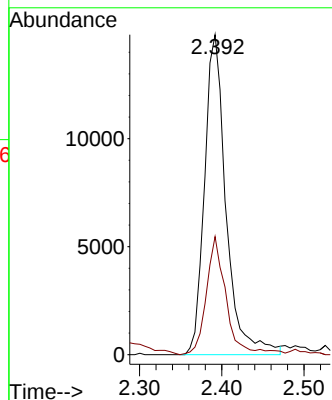
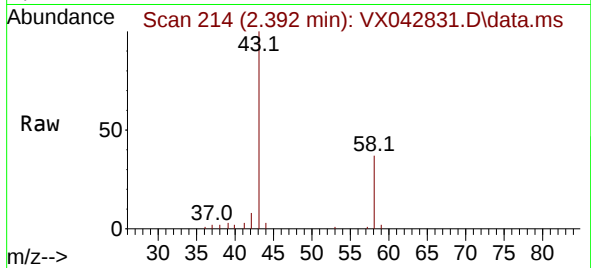




#16
Acetone
Concen: 76.442 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

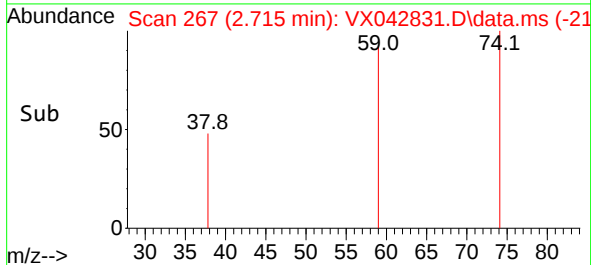
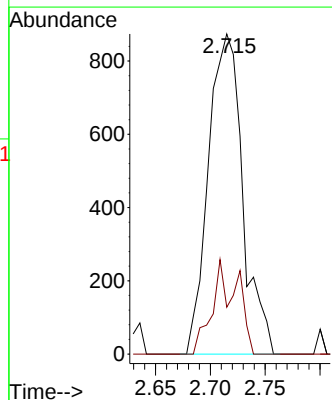
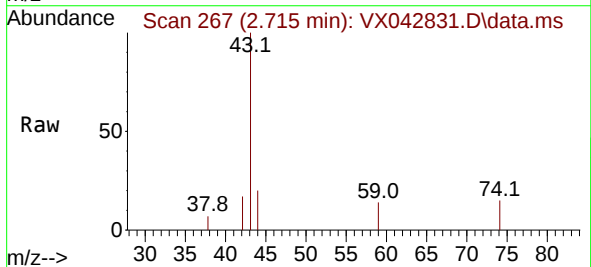
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

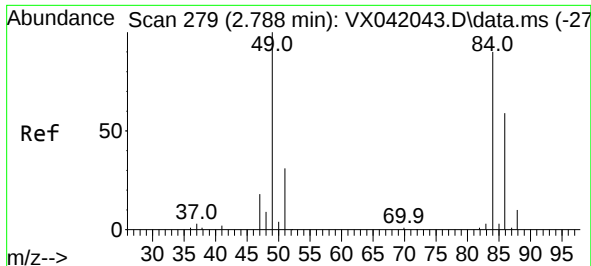
Tgt Ion: 43 Resp: 26955
Ion Ratio Lower Upper
43 100
58 36.9 21.9 32.9#



#18
Methyl Acetate
Concen: 2.145 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.8





#20

Methylene Chloride

Concen: 6.543 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX042831.D

Acq: 02 Aug 2024 07:22

Instrument :

MSVOA_X

ClientSampleId :

PB162393TB

Tgt Ion: 84 Resp: 5879

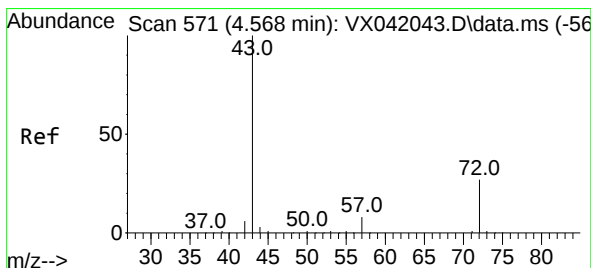
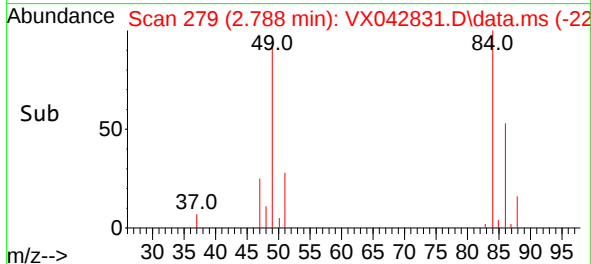
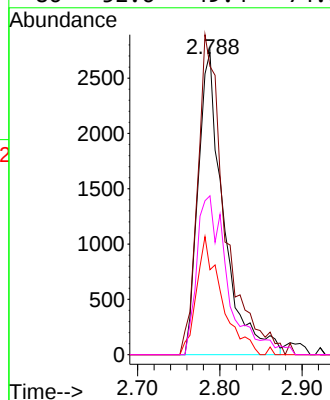
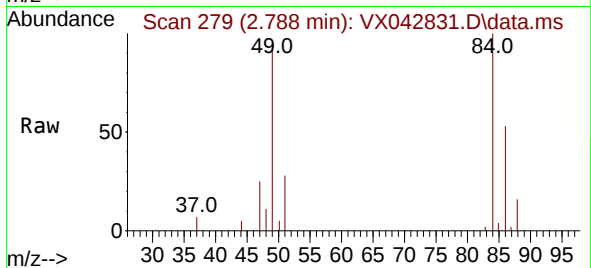
Ion Ratio Lower Upper

84 100

49 95.3 103.6 155.4#

51 28.1 33.8 50.6#

86 52.6 49.4 74.0



#25

2-Butanone

Concen: 2.971 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.000 min

Lab File: VX042831.D

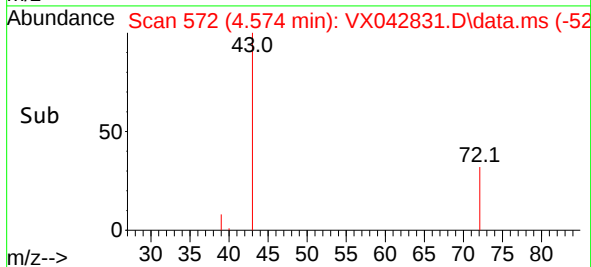
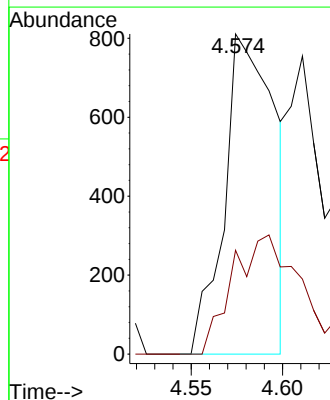
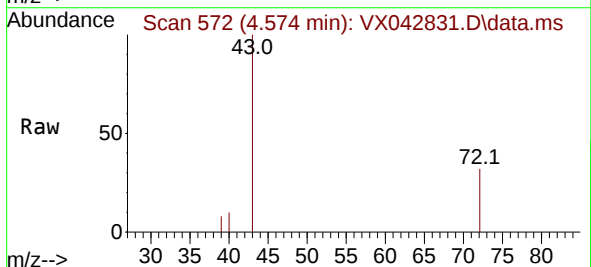
Acq: 02 Aug 2024 07:22

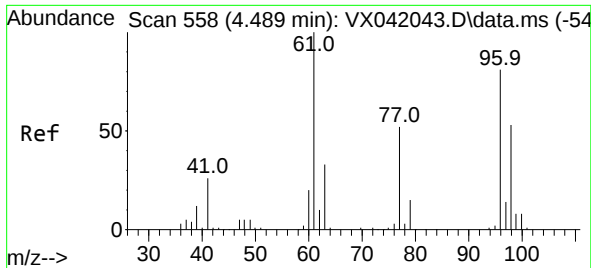
Tgt Ion: 43 Resp: 1539

Ion Ratio Lower Upper

43 100

72 32.4 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 0.695 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX042831.D

Acq: 02 Aug 2024 07:22

Instrument :

MSVOA_X

ClientSampleId :

PB162393TB

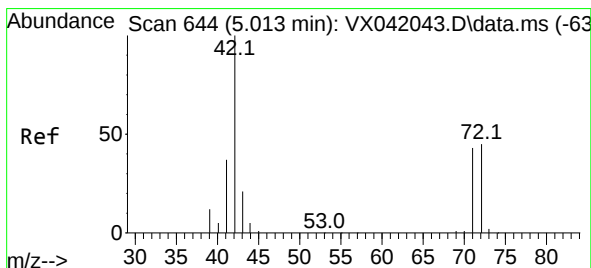
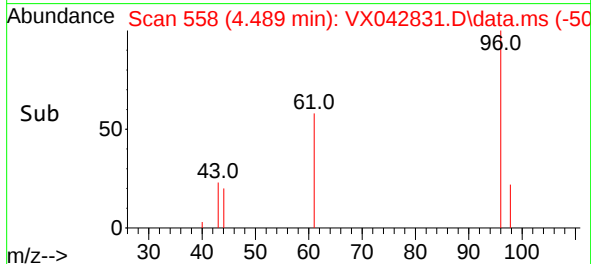
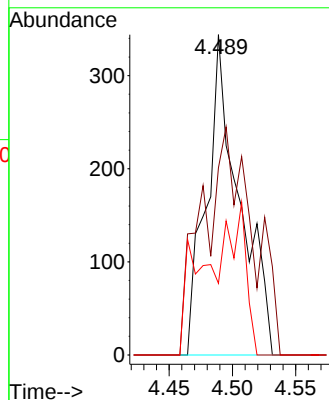
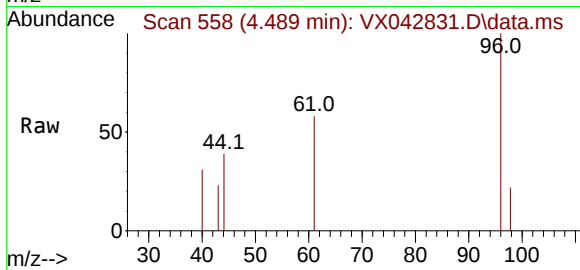
Tgt Ion: 96 Resp: 617

Ion Ratio Lower Upper

96 100

61 108.8 0.0 312.2

98 27.7 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX042831.D

Acq: 02 Aug 2024 07:22

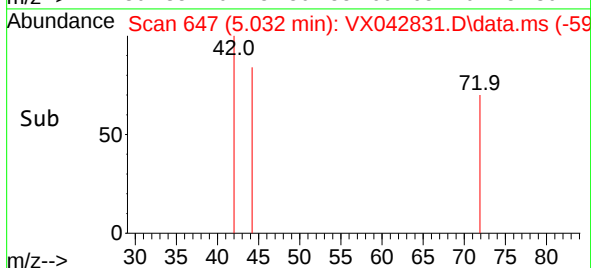
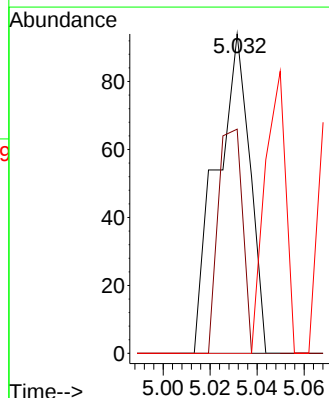
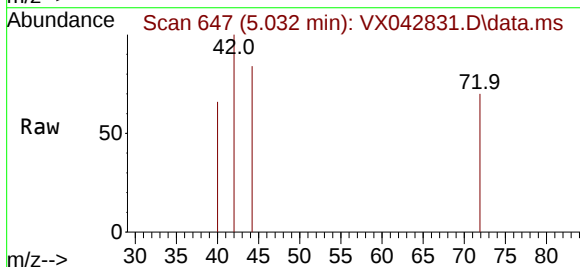
Tgt Ion: 42 Resp: 93

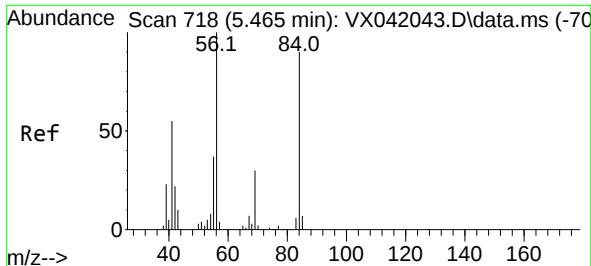
Ion Ratio Lower Upper

42 100

72 51.6 34.2 51.4#

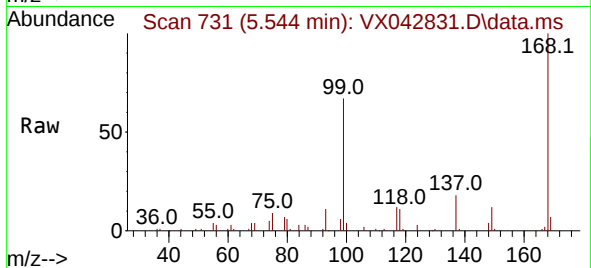
71 54.8 32.2 48.2#





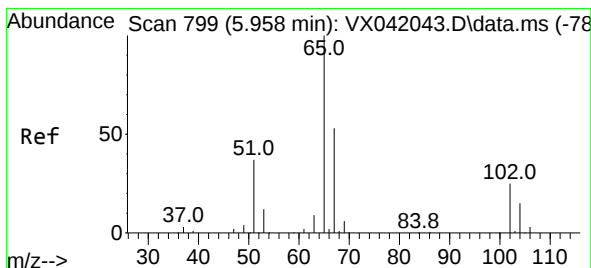
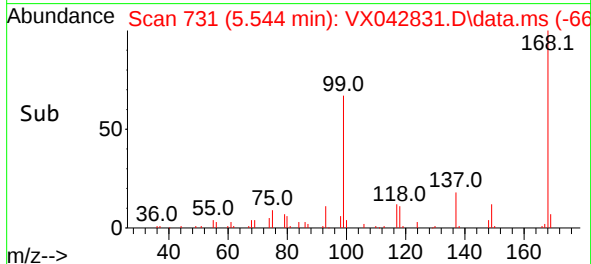
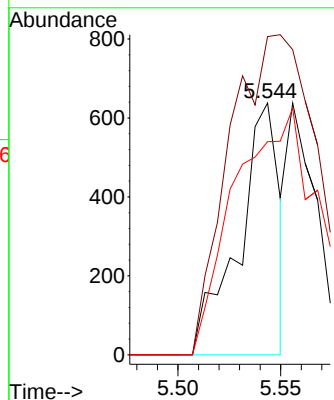
#31
Cyclohexane
Concen: 0.820 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Instrument :
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ClientSampleId :
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Tgt Ion: 56 Resp: 877

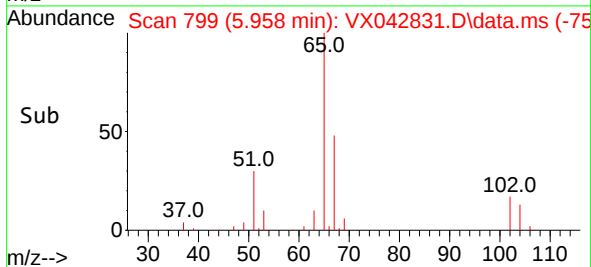
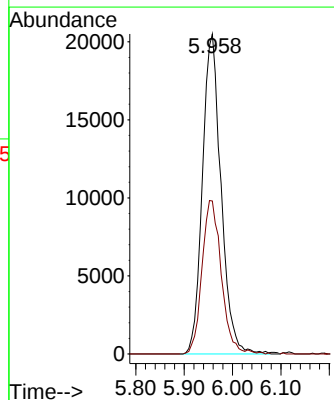
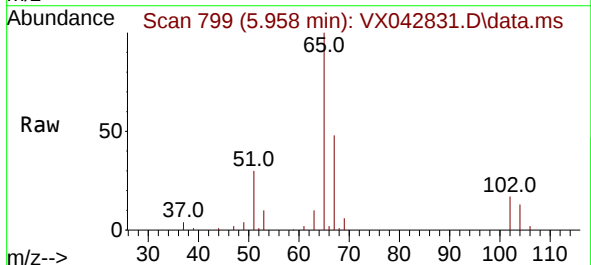
Ion	Ratio	Lower	Upper
56	100		
69	126.3	23.4	35.2#
84	84.6	65.9	98.9

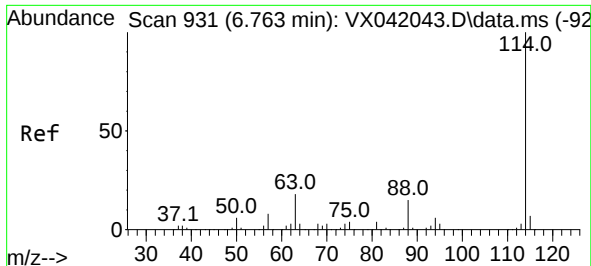


#33
1,2-Dichloroethane-d4
Concen: 56.433 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 65 Resp: 54802

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	100.2

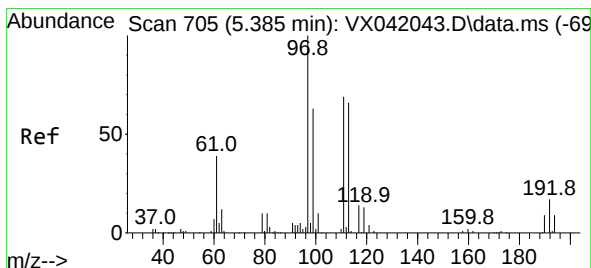
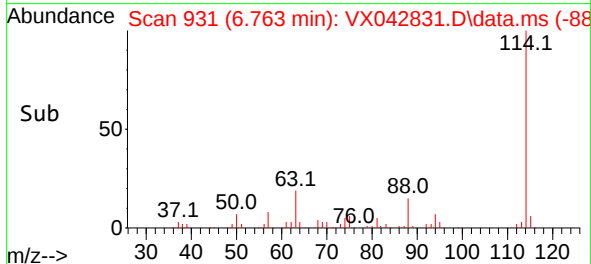
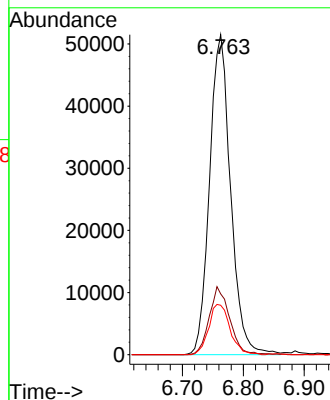
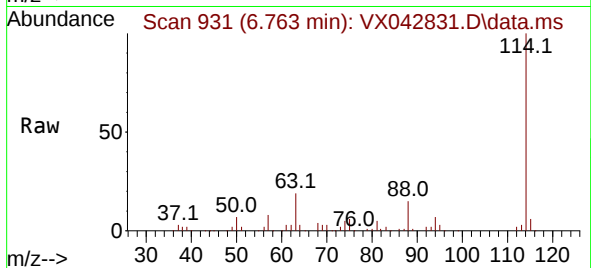




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

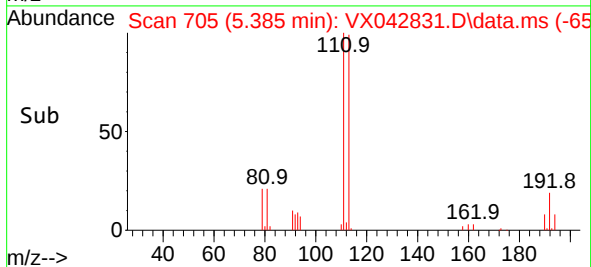
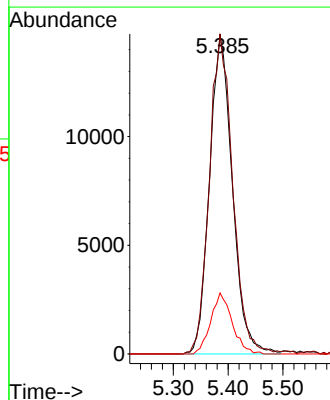
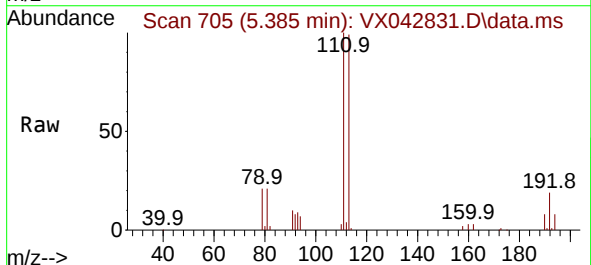
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

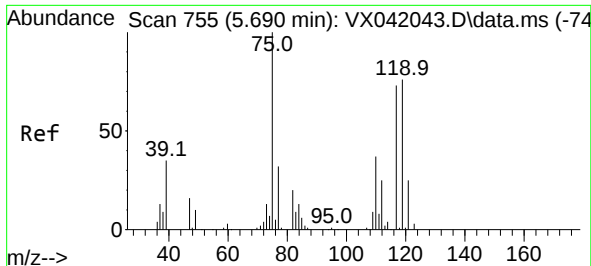
Tgt Ion:114 Resp: 123573
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.826 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

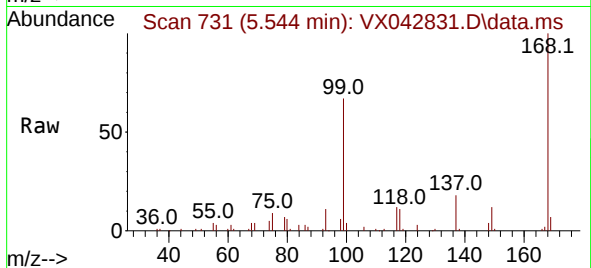
Tgt Ion:113 Resp: 42534
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 17.9 13.3 19.9



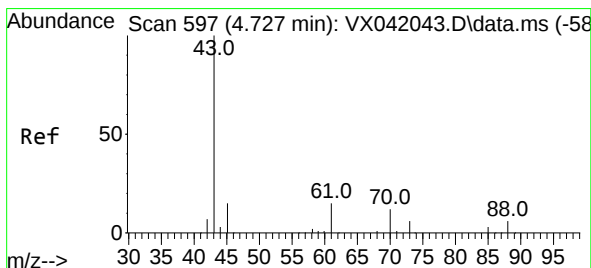
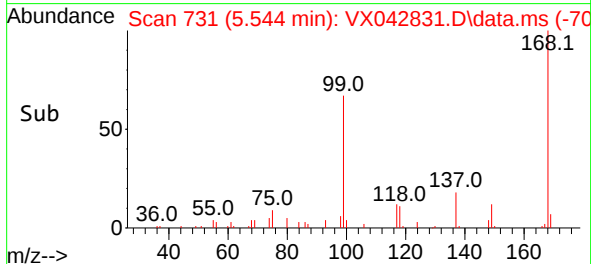
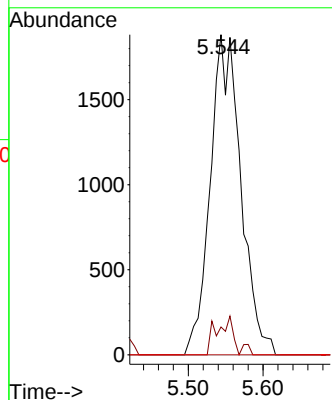


#36
1,1-Dichloropropene
Concen: 4.839 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

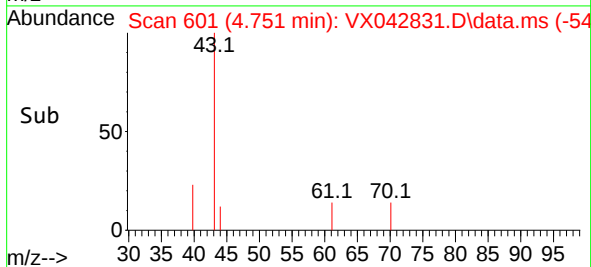
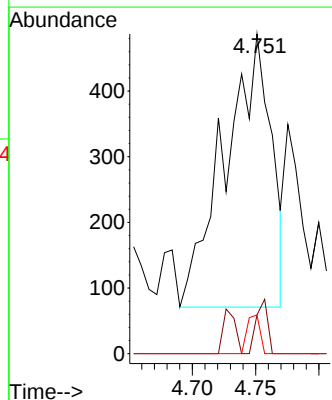
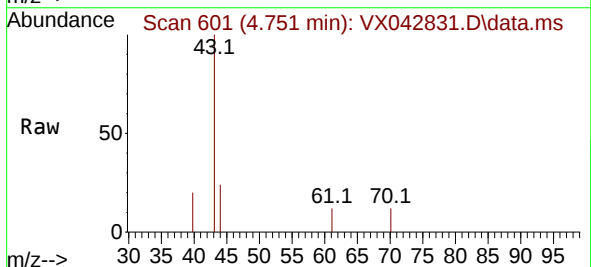


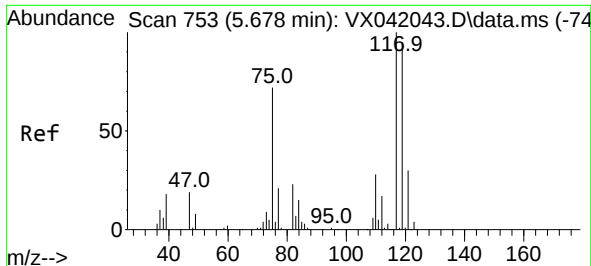
Tgt Ion: 75 Resp: 5357
Ion Ratio Lower Upper
75 100
110 6.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.941 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.024 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

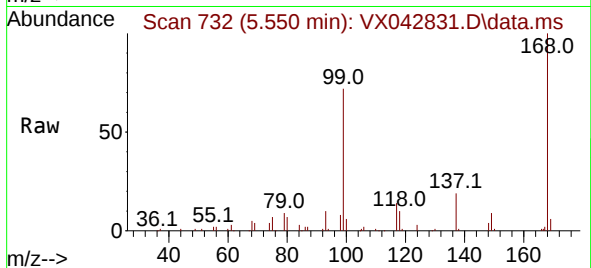
Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
61 4.9 10.6 16.0#
70 4.0 8.3 12.5#



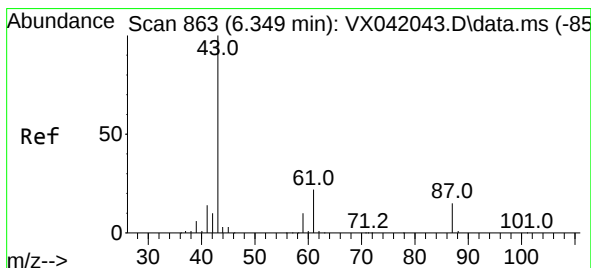
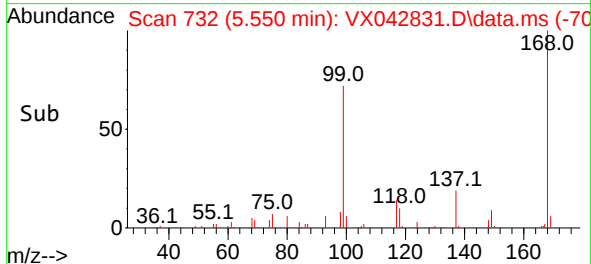
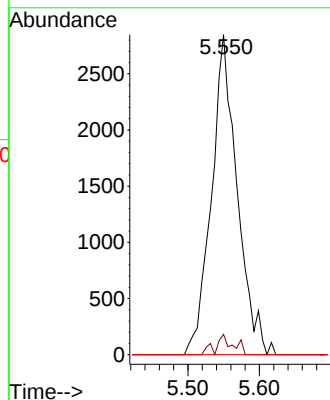


#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.128 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

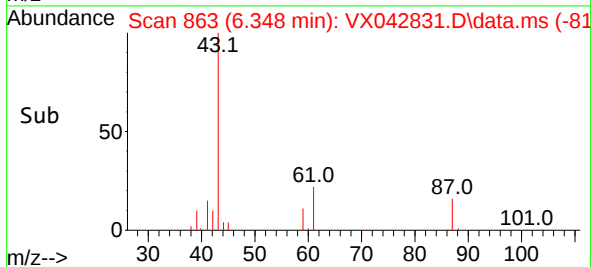
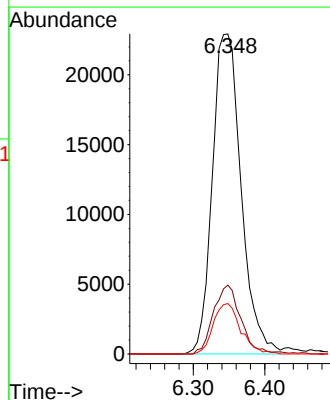
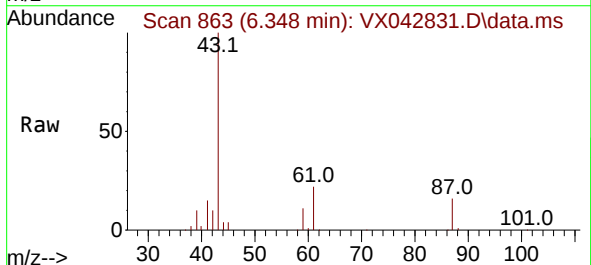


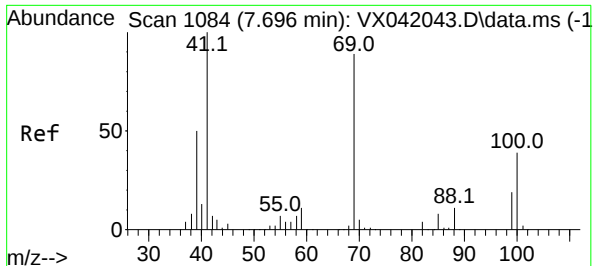
Tgt Ion:117 Resp: 7122
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 36.216 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 43 Resp: 64014
Ion Ratio Lower Upper
43 100
61 20.5 15.2 22.8
87 15.0 9.8 14.6#

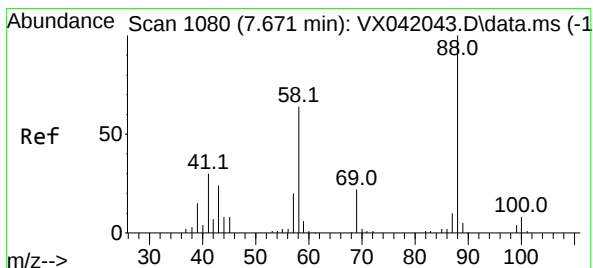
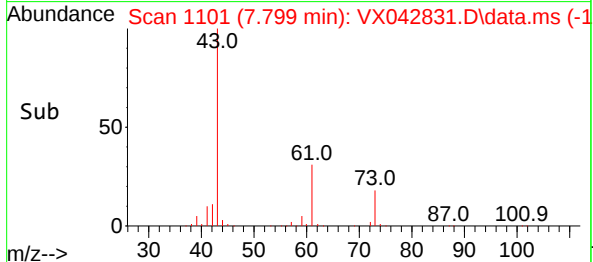
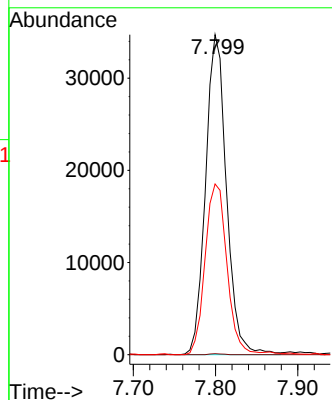
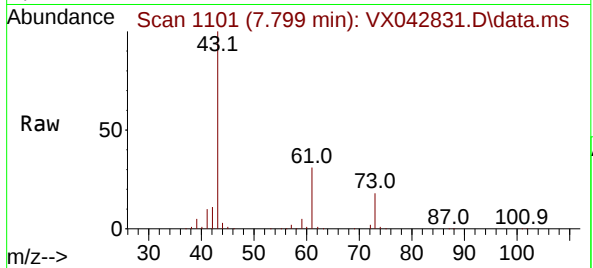




#48
Methyl methacrylate
Concen: 70.564 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

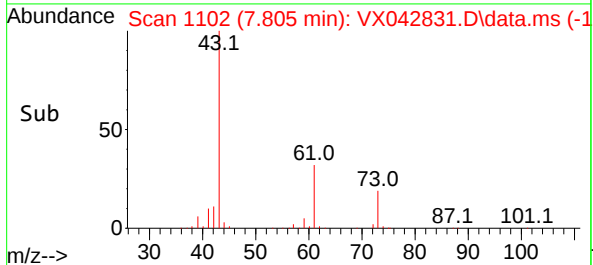
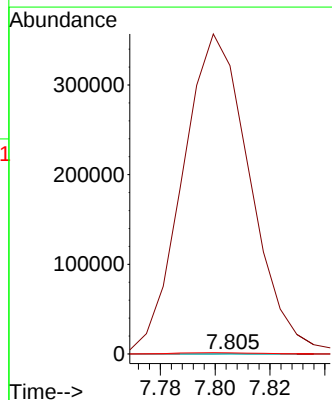
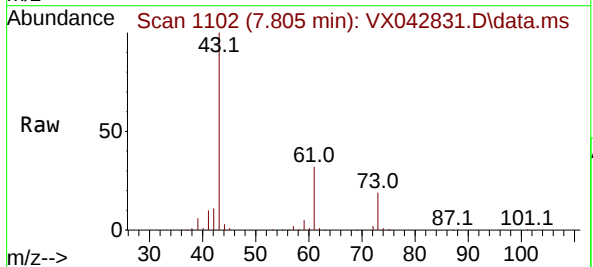
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

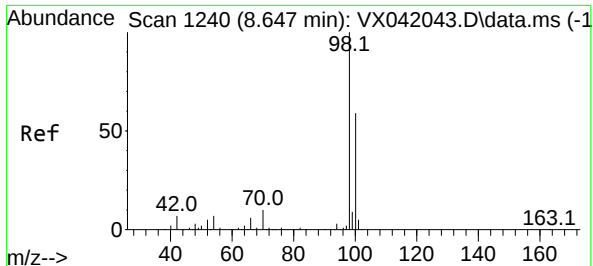
Tgt Ion: 41 Resp: 61322
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 56.4 47.7 71.5



#49
1,4-Dioxane
Concen: 35.379 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 602521.2 0.0 0.0#
58 2716.3 60.1 90.1#

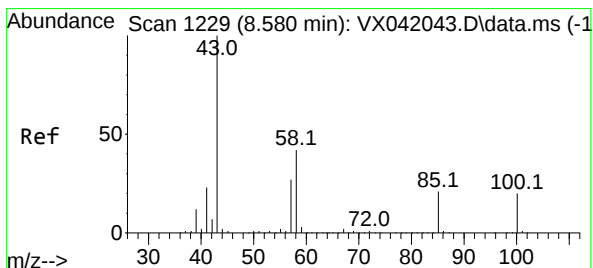
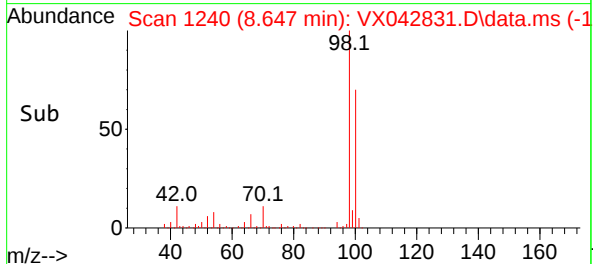
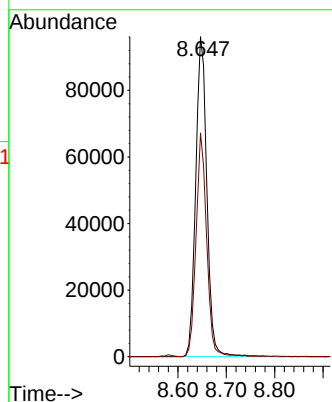
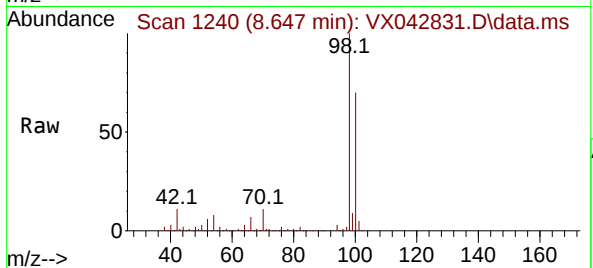




#50
Toluene-d8
Concen: 49.624 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

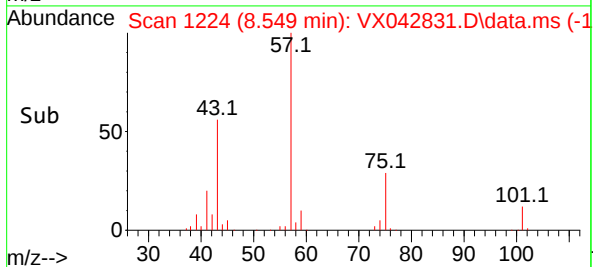
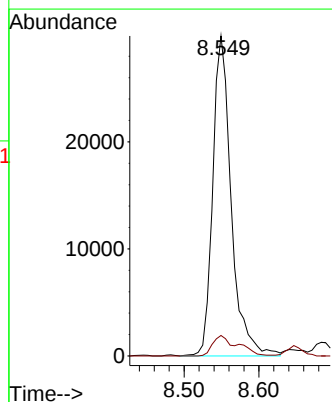
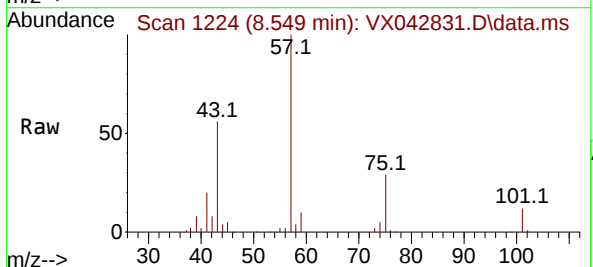
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

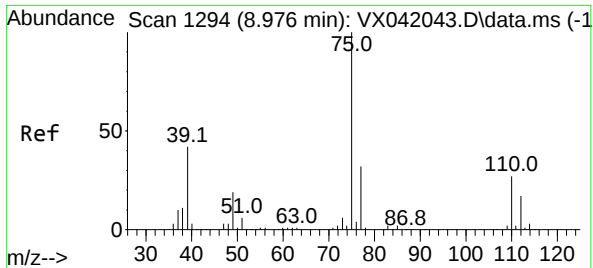
Tgt Ion: 98 Resp: 153763
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 43.852 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 43 Resp: 51336
Ion Ratio Lower Upper
43 100
58 6.1 30.4 45.6#

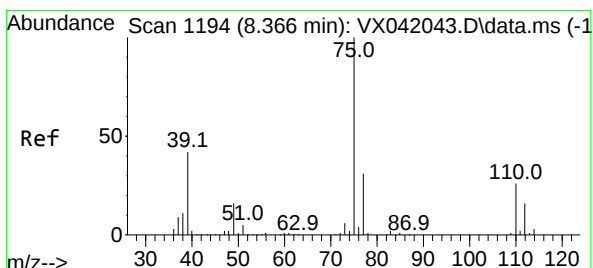
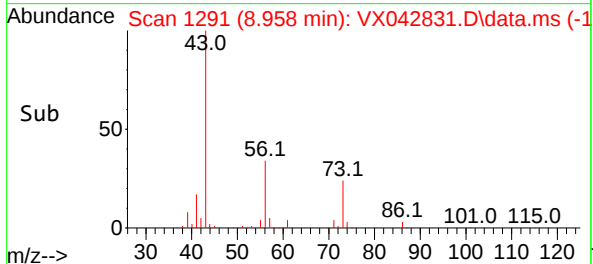
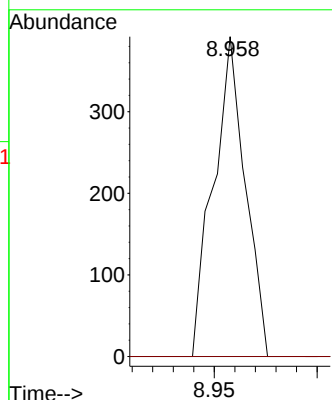
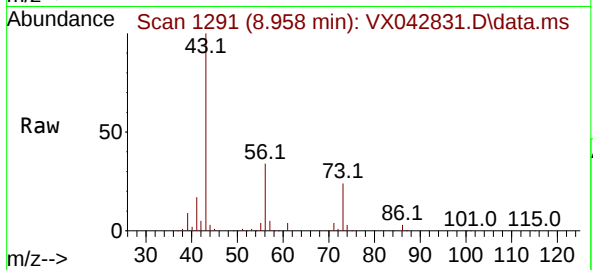




#53
 t-1,3-Dichloropropene
 Concen: 0.353 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX042831.D
 Acq: 02 Aug 2024 07:22

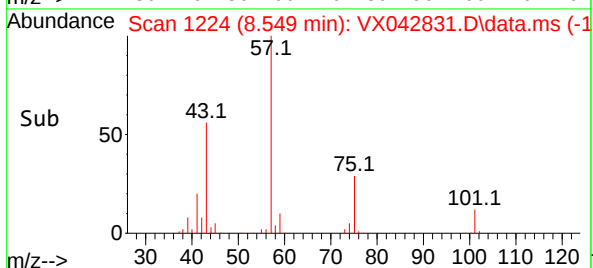
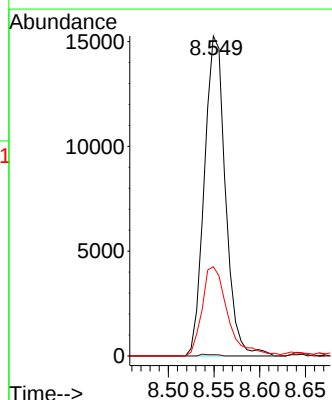
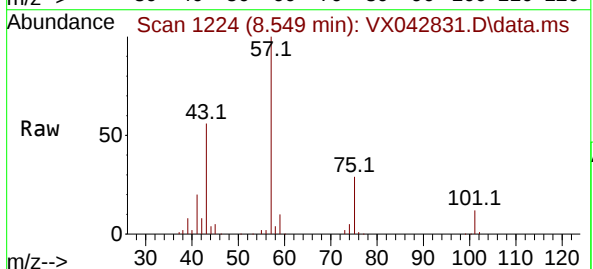
Instrument :
 MSVOA_X
 ClientSampleId :
 PB162393TB

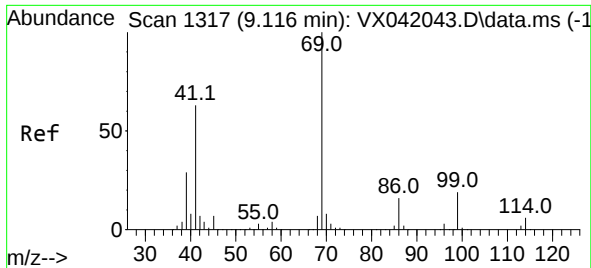
Tgt Ion: 75 Resp: 423
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.233 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042831.D
 Acq: 02 Aug 2024 07:22

Tgt Ion: 75 Resp: 24485
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 27.9 46.7 70.1#

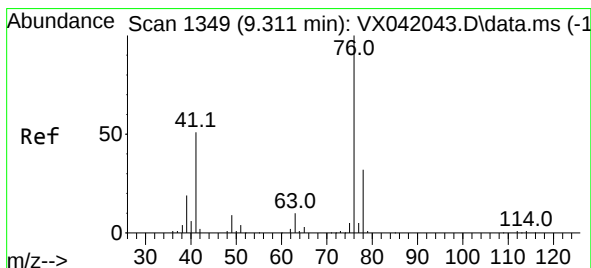
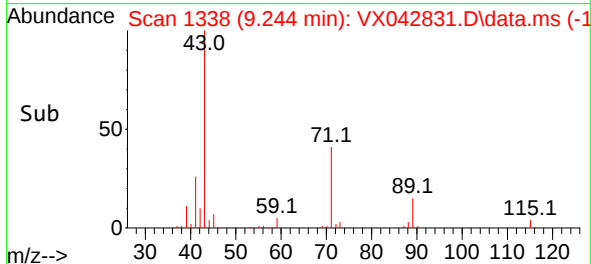
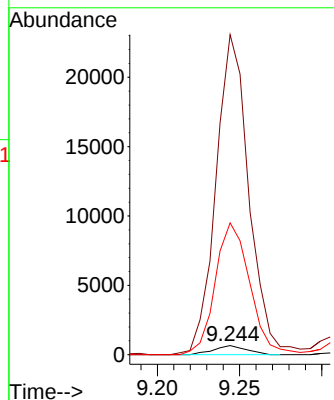
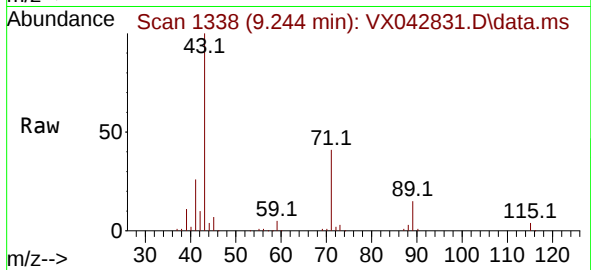




#56
Ethyl methacrylate
Concen: 0.693 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.122 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

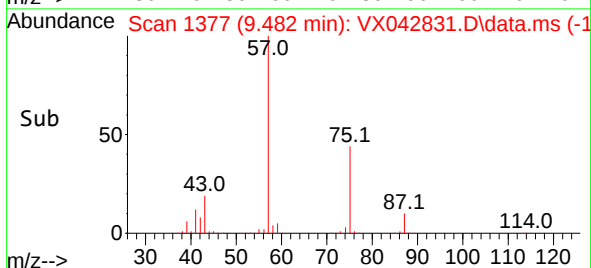
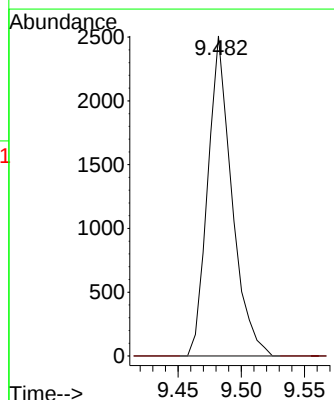
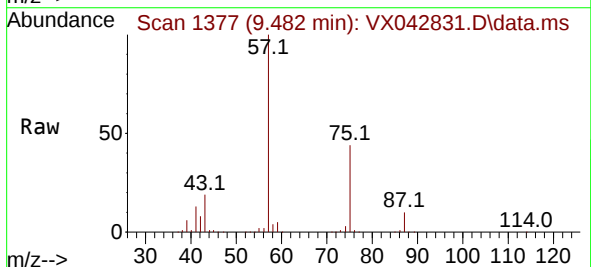
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

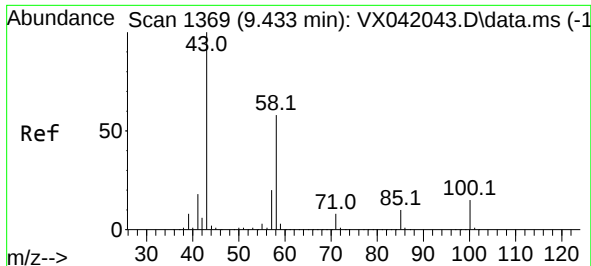
Tgt Ion: 69 Resp: 915
Ion Ratio Lower Upper
69 100
41 3521.5 56.8 85.2#
39 1518.5 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 2.307 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 76 Resp: 3319
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 46.352 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX042831.D

Acq: 02 Aug 2024 07:22

Instrument :

MSVOA_X

ClientSampleId :

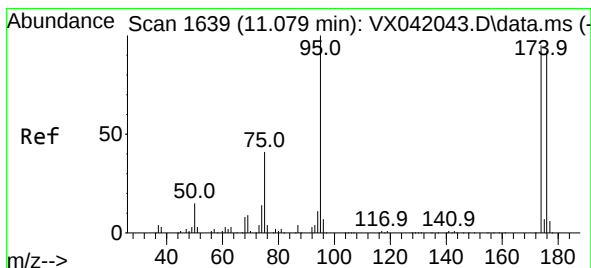
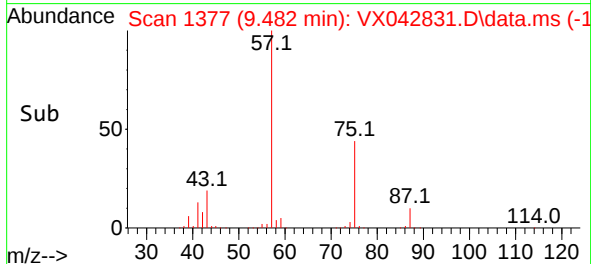
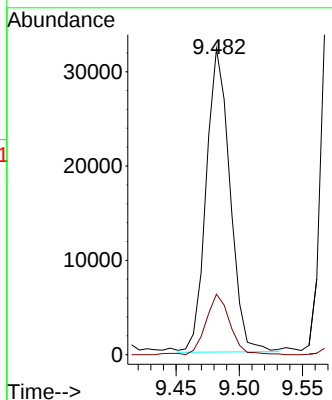
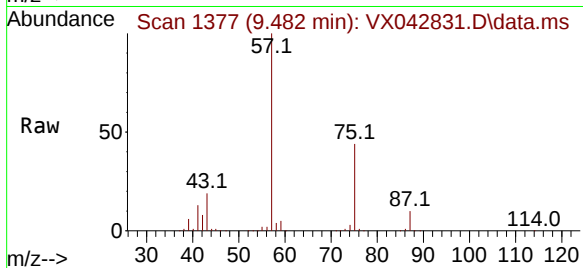
PB162393TB

Tgt Ion: 43 Resp: 42080

Ion Ratio Lower Upper

43 100

58 20.3 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 49.978 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX042831.D

Acq: 02 Aug 2024 07:22

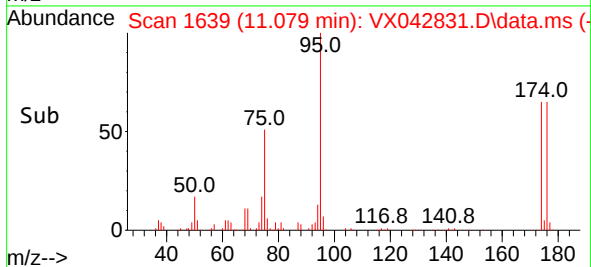
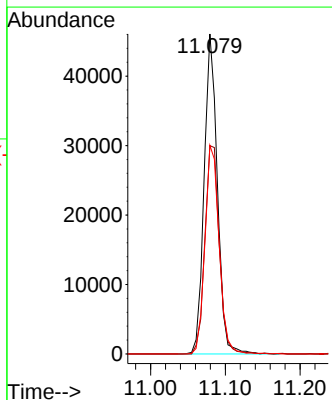
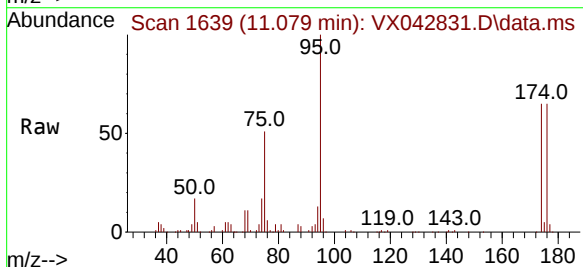
Tgt Ion: 95 Resp: 56593

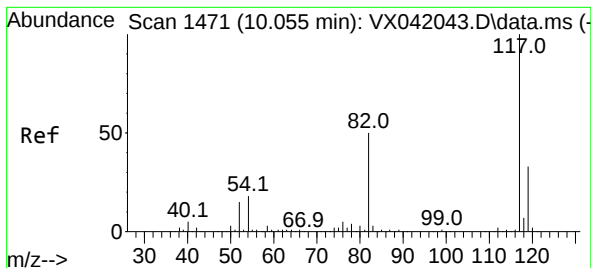
Ion Ratio Lower Upper

95 100

174 70.9 0.0 135.6

176 70.0 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: VX042831.D

Acq: 02 Aug 2024 07:22

Instrument :

MSVOA_X

ClientSampleId :

PB162393TB

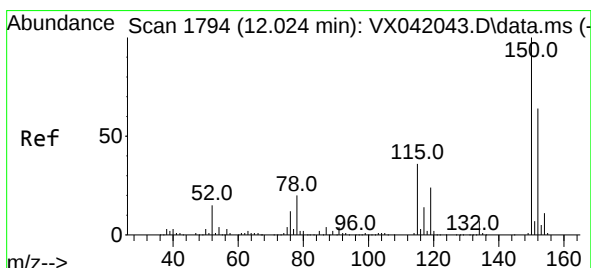
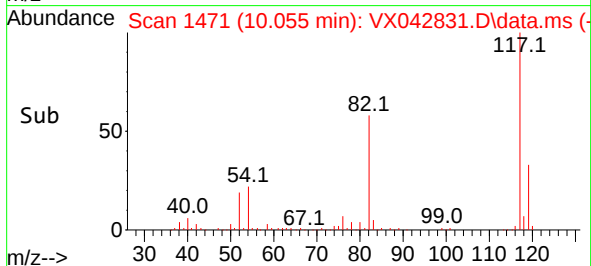
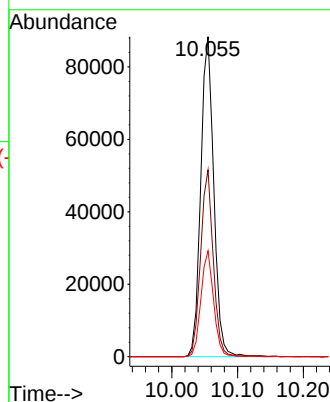
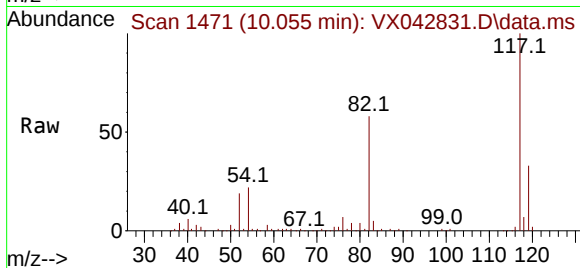
Tgt Ion:117 Resp: 121850

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

119 33.1 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: VX042831.D

Acq: 02 Aug 2024 07:22

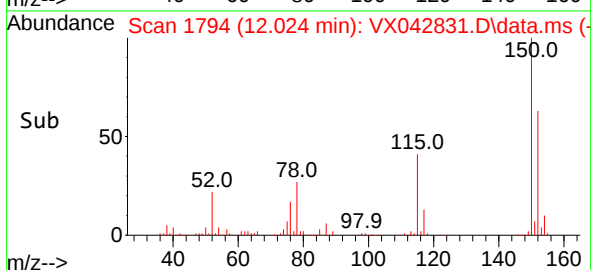
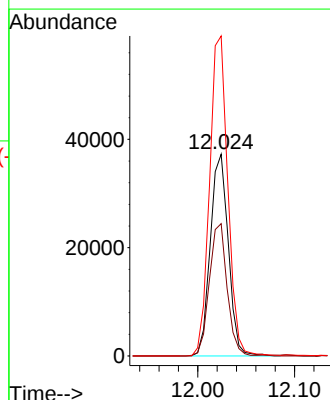
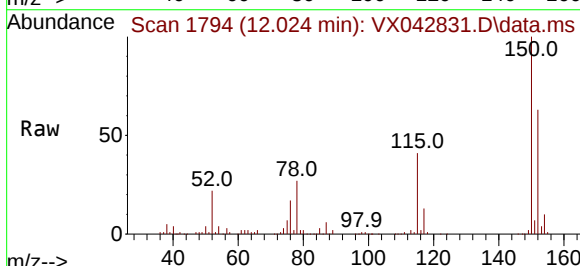
Tgt Ion:152 Resp: 48390

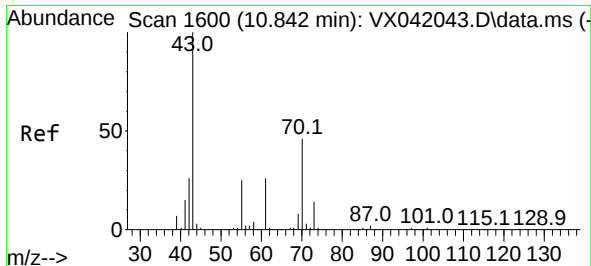
Ion Ratio Lower Upper

152 100

115 64.9 43.3 129.9

150 160.1 0.0 345.0

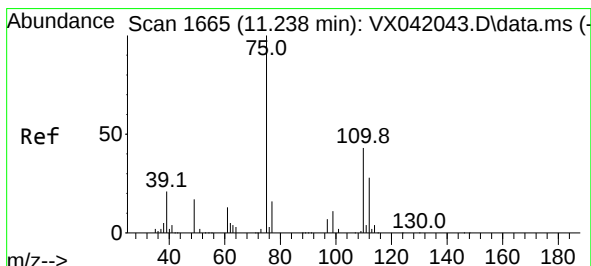
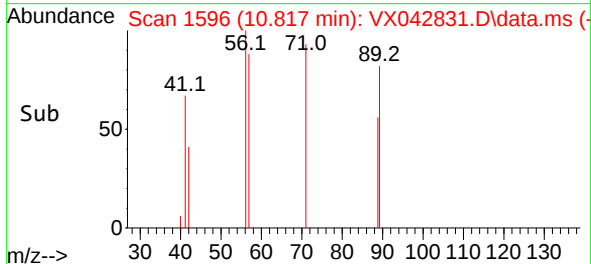
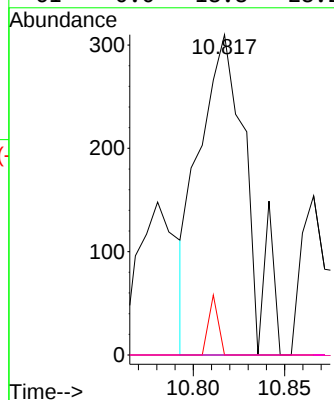
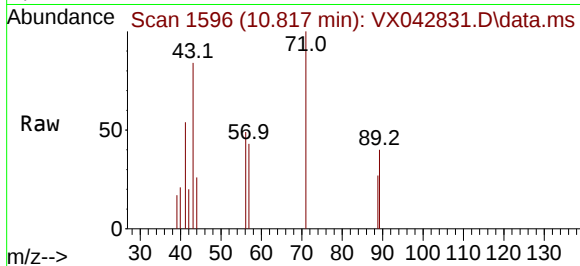




#74
N-amy1 acetate
Concen: 0.401 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

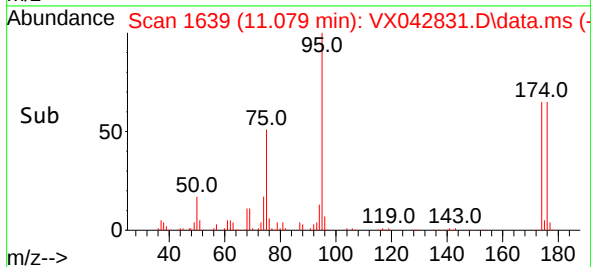
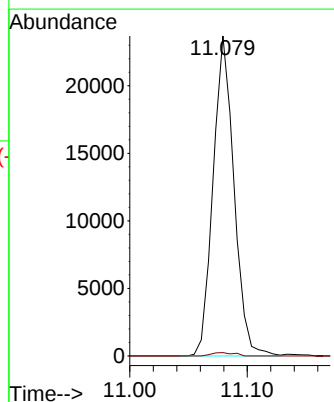
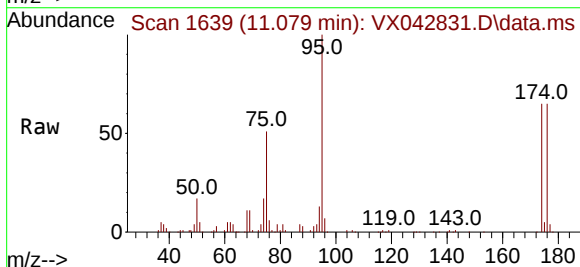
Instrument :
MSVOA_X
ClientSampleId :
PB162393TB

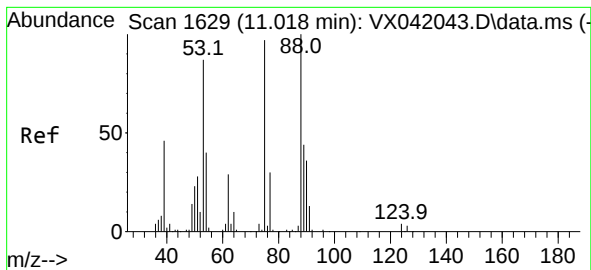
Tgt Ion: 43	Resp: 570
Ion Ratio	Lower Upper
43	100
70	0.0 32.9 49.3#
55	3.7 19.3 28.9#
61	0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 26.498 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042831.D
Acq: 02 Aug 2024 07:22

Tgt Ion: 75	Resp: 29299
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.427 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX042831.D
 Acq: 02 Aug 2024 07:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162393TB

Tgt Ion: 75 Resp: 29299
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

