

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
 Data File : VX043951.D
 Acq On : 22 Nov 2024 11:50
 Operator : JC/MD
 Sample : VX1122MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122MBL01

Quant Time: Nov 22 22:18:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

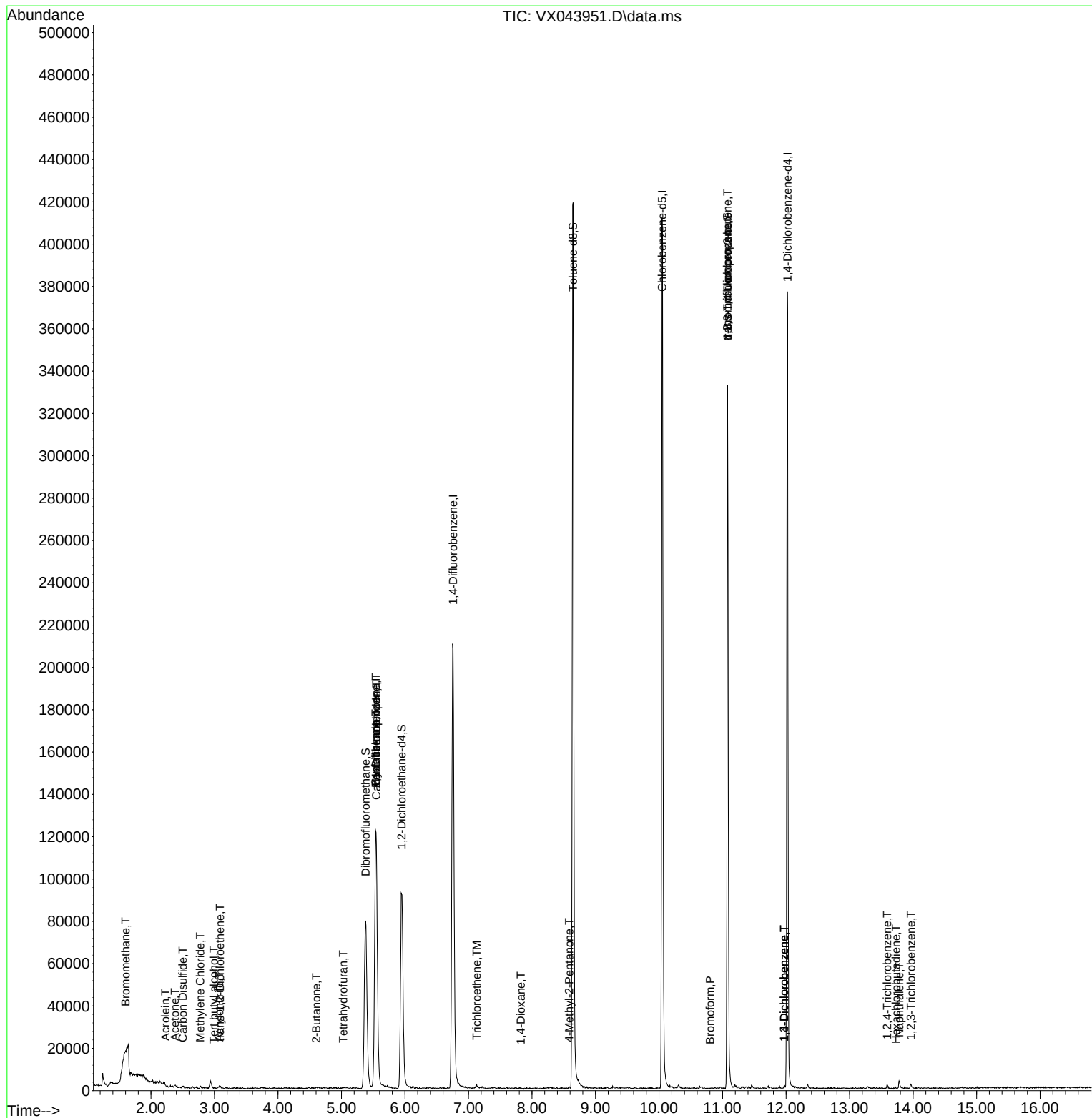
Internal Standards						
1) Pentafluorobenzene	5.544	168	110756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	214146	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	189507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94492	49.742	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.480%
35) Dibromofluoromethane	5.379	113	67961	44.414	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.820%
50) Toluene-d8	8.647	98	261229	49.525	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.060%
62) 4-Bromofluorobenzene	11.079	95	83330	46.420	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	269	0.278	ug/l	94
11) Tert butyl alcohol	2.989	59	196	0.643	ug/l #	73
13) Acrolein	2.227	56	247	0.769	ug/l	88
15) Acrylonitrile	3.075	53	503	0.677	ug/l #	85
16) Acetone	2.380	43	1187	1.360	ug/l	98
17) Carbon Disulfide	2.501	76	1057	0.402	ug/l #	94
20) Methylene Chloride	2.776	84	375	0.253	ug/l #	58
21) trans-1,2-Dichloroethene	3.087	96	378	0.287	ug/l #	71
25) 2-Butanone	4.605	43	261	0.232	ug/l #	50
29) Tetrahydrofuran	5.025	42	194	0.281	ug/l #	62
31) Cyclohexane	5.537	56	3308	1.562	ug/l #	39
36) 1,1-Dichloropropene	5.544	75	10534	5.524	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12928	6.034	ug/l #	16
44) Trichloroethene	7.129	130	517	0.307	ug/l	74
49) 1,4-Dioxane	7.824	88	20	0.621	ug/l #	30
51) 4-Methyl-2-Pentanone	8.586	43	519	0.226	ug/l	90
71) Bromoform	10.805	173	97	1.302	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	47230	28.387	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	47230	77.462	ug/l #	7
87) 1,3-Dichlorobenzene	11.969	146	600	0.237	ug/l	89
88) 1,4-Dichlorobenzene	11.969	146	600	0.232	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	621	0.412	ug/l	92
94) Hexachlorobutadiene	13.731	225	130	0.218	ug/l #	44
95) Naphthalene	13.786	128	2858	0.527	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.969	180	660	0.433	ug/l	87

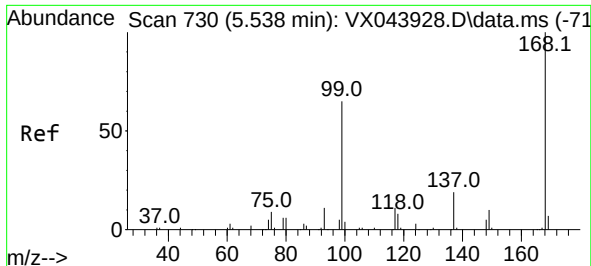
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

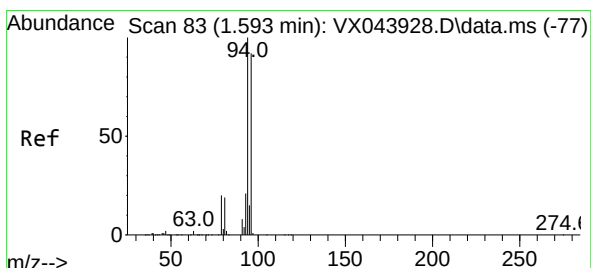
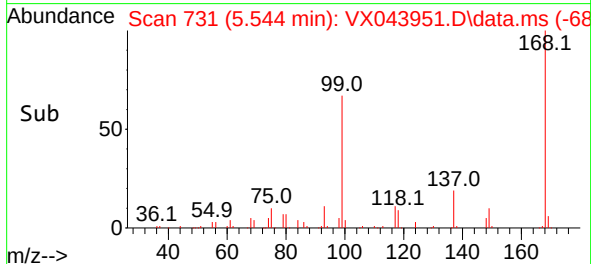
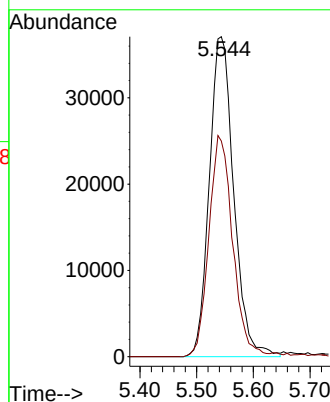
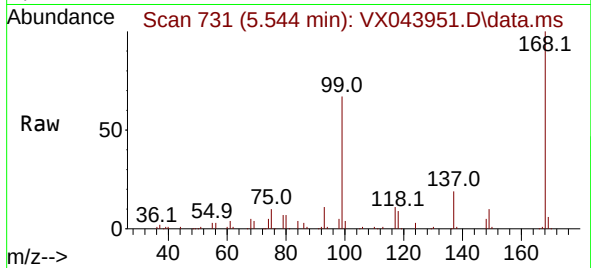




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

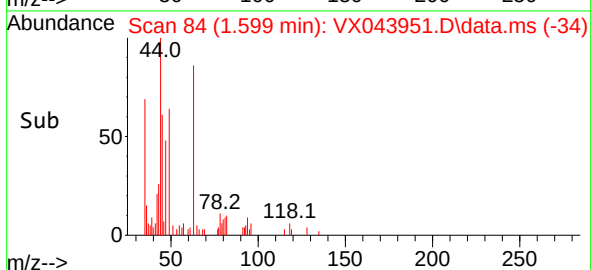
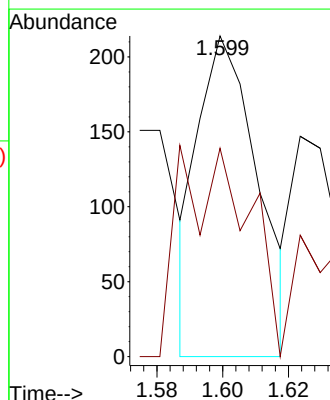
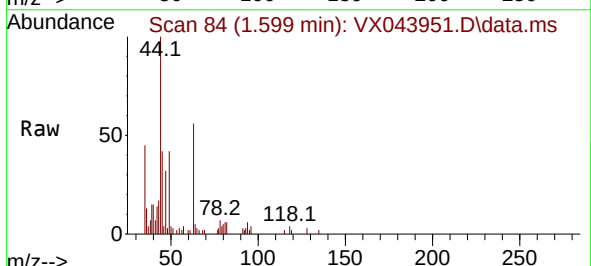
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

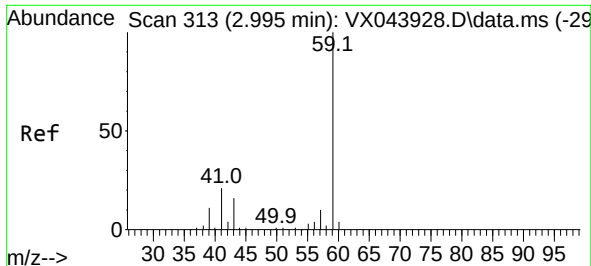
Tgt Ion:168 Resp: 110756
Ion Ratio Lower Upper
168 100
99 67.4 51.8 77.8



#5
Bromomethane
Concen: 0.278 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 97.9 73.9 110.9





#11

Tert butyl alcohol

Concen: 0.643 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

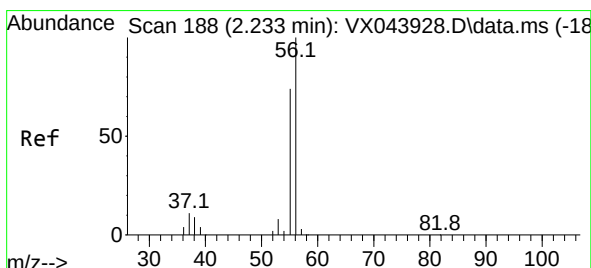
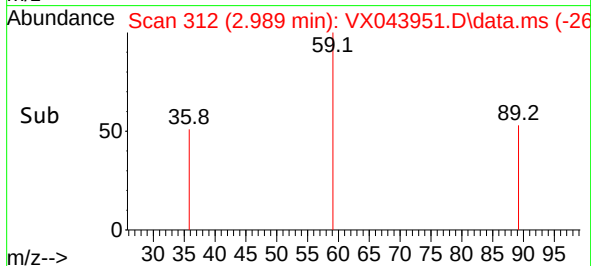
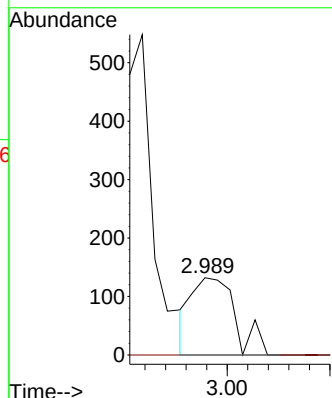
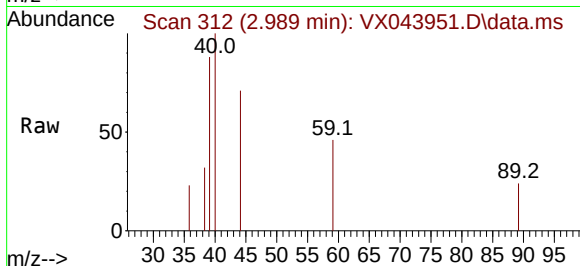
VX1122MBL01

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 0.769 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX043951.D

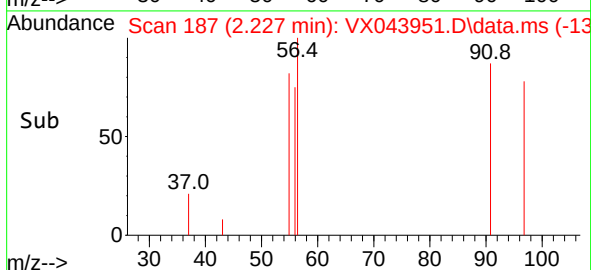
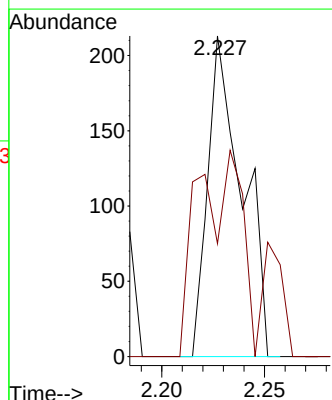
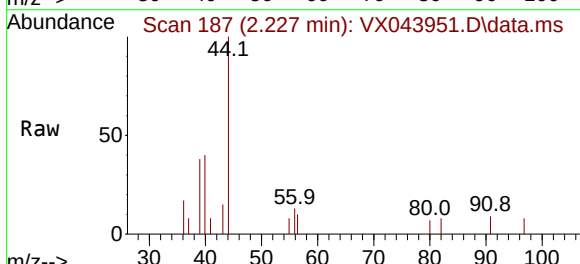
Acq: 22 Nov 2024 11:50

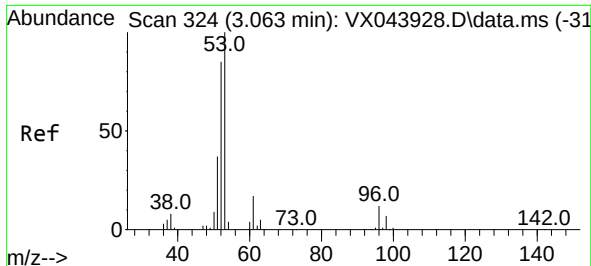
Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 82.6 58.2 87.2





#15

Acrylonitrile

Concen: 0.677 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX1122MBL01

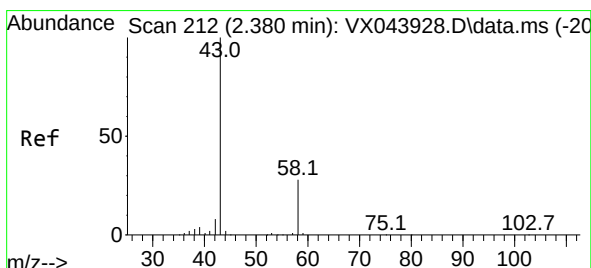
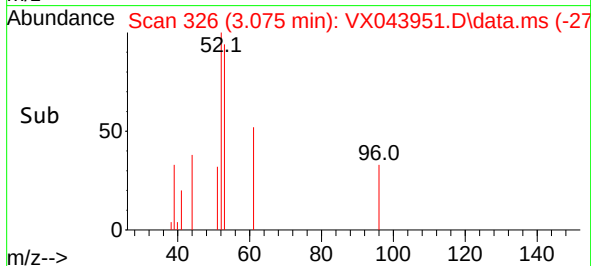
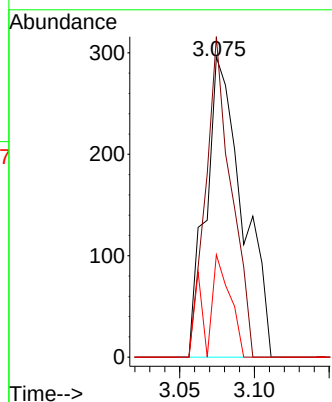
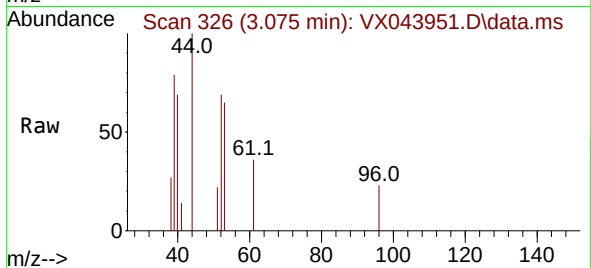
Tgt Ion: 53 Resp: 503

Ion Ratio Lower Upper

53 100

52 74.4 66.5 99.7

51 22.3 30.2 45.4#



#16

Acetone

Concen: 1.360 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043951.D

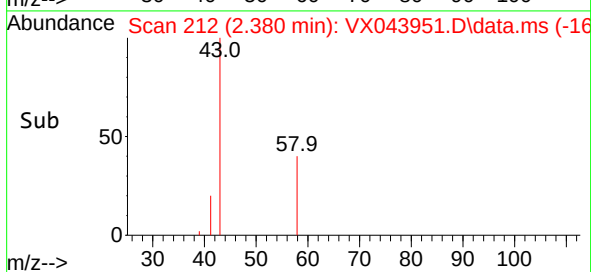
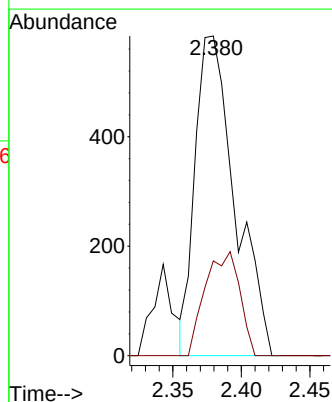
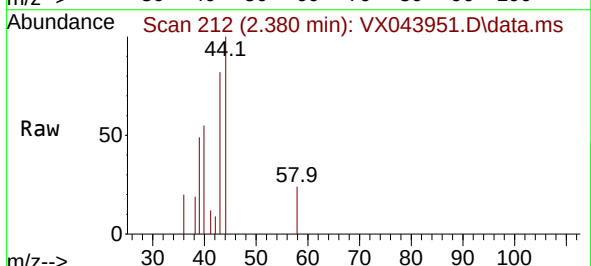
Acq: 22 Nov 2024 11:50

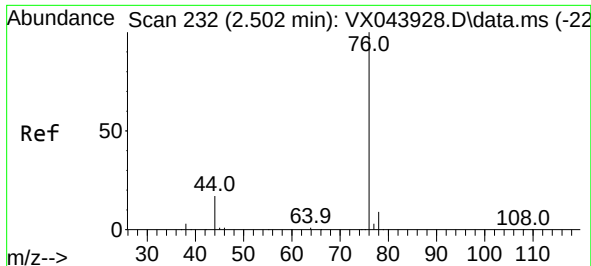
Tgt Ion: 43 Resp: 1187

Ion Ratio Lower Upper

43 100

58 29.6 22.7 34.1

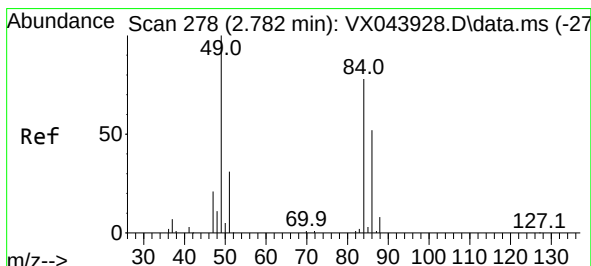
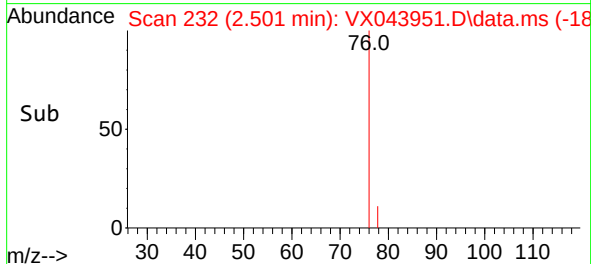
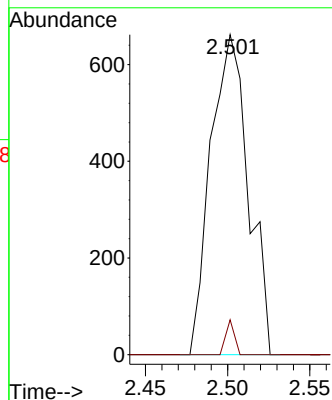
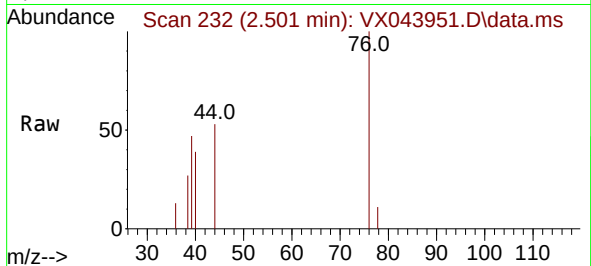




#17
Carbon Disulfide
Concen: 0.402 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

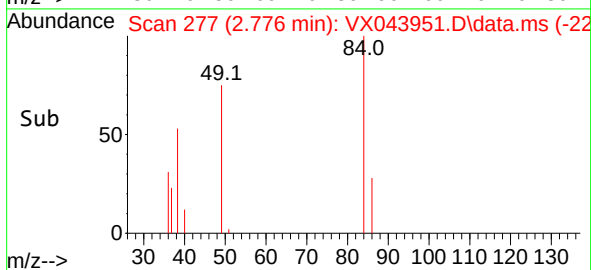
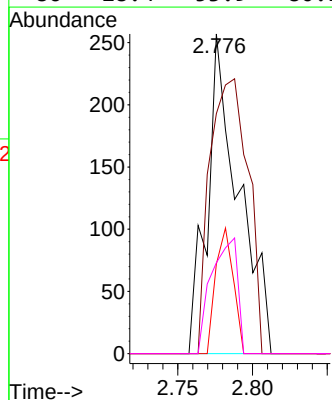
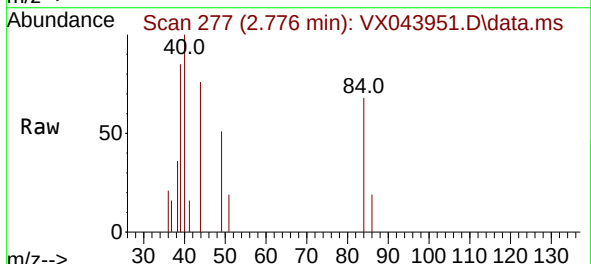
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

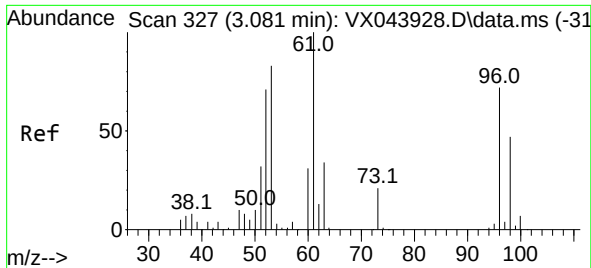
Tgt Ion: 76 Resp: 1057
Ion Ratio Lower Upper
76 100
78 10.9 7.0 10.6#



#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Tgt Ion: 84 Resp: 375
Ion Ratio Lower Upper
84 100
49 75.1 102.7 154.1#
51 28.0 31.7 47.5#
86 28.4 53.9 80.9#

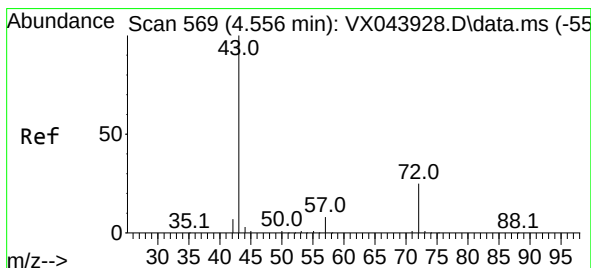
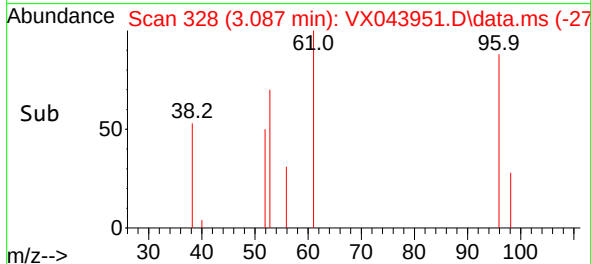
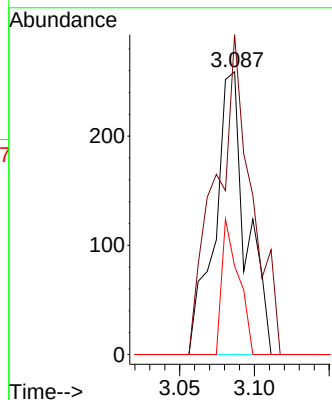
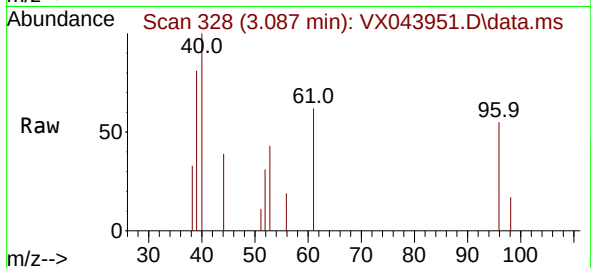




#21
trans-1,2-Dichloroethene
Concen: 0.287 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

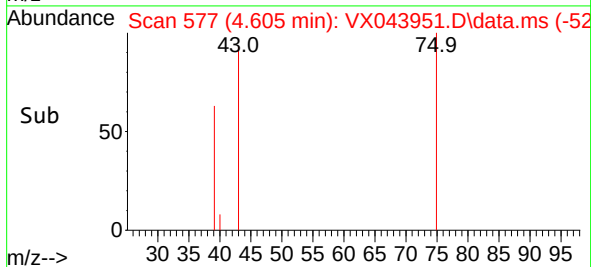
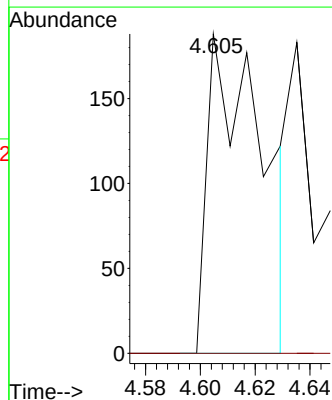
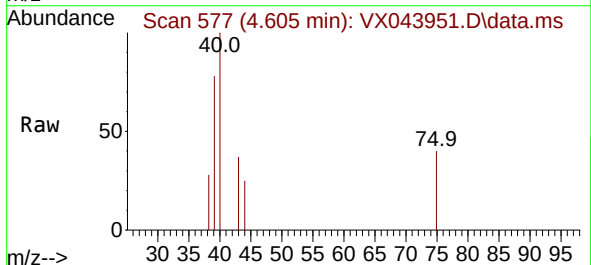
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

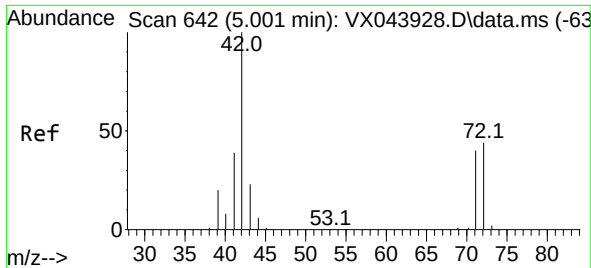
Tgt Ion: 96 Resp: 378
Ion Ratio Lower Upper
96 100
61 113.1 111.8 167.6
98 31.3 52.7 79.1#



#25
2-Butanone
Concen: 0.232 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#

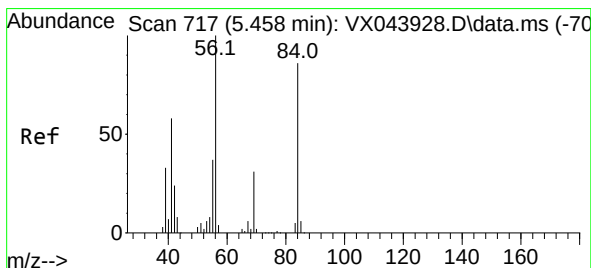
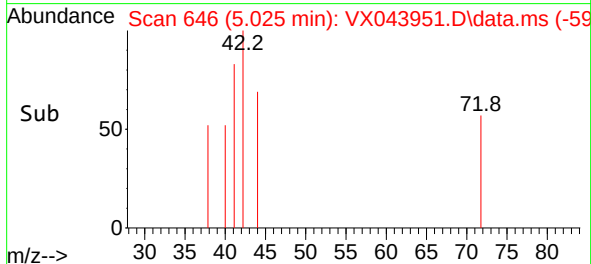
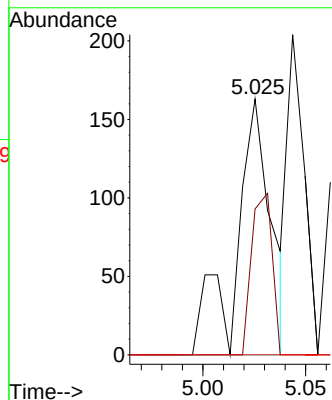
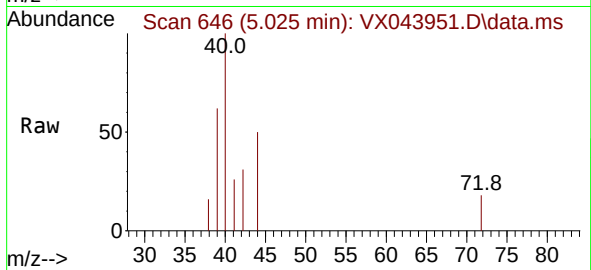




#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 5.025 min Scan# 642
Delta R.T. 0.024 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

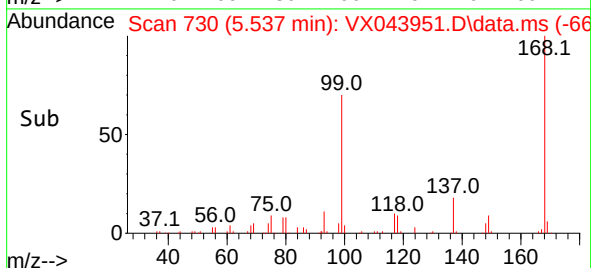
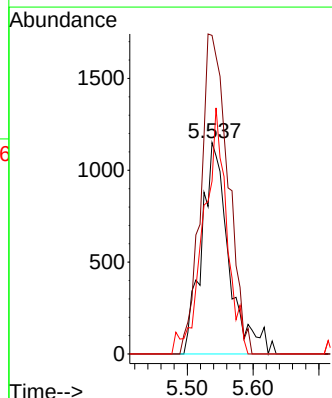
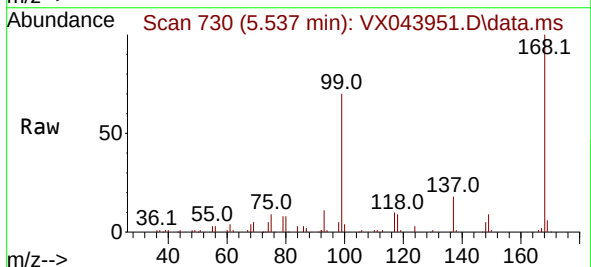
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

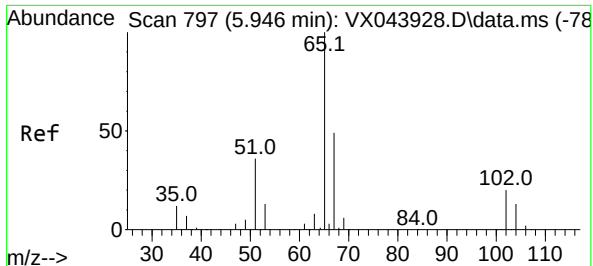
Tgt Ion:	42	Resp:	194
Ion	Ratio	Lower	Upper
42	100		
72	37.1	36.4	54.6
71	0.0	33.4	50.0#



#31
Cyclohexane
Concen: 1.562 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Tgt Ion:	56	Resp:	3308
Ion	Ratio	Lower	Upper
56	100		
69	150.7	24.7	37.1#
84	81.8	68.7	103.1

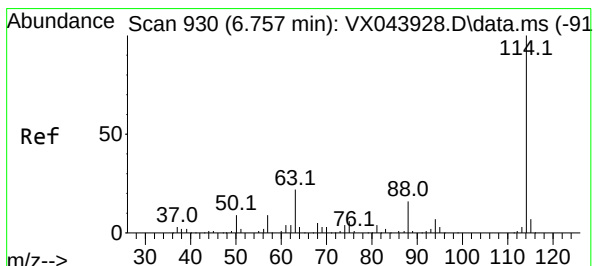
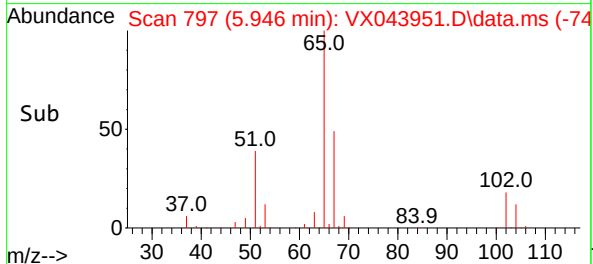
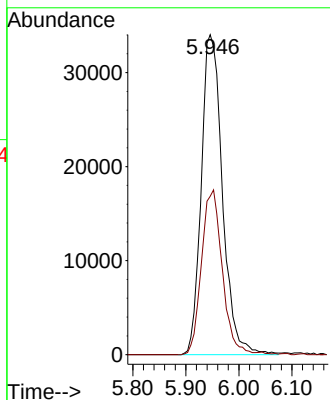
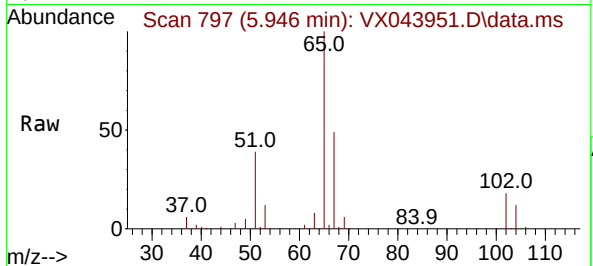




#33
 1,2-Dichloroethane-d4
 Concen: 49.742 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: VX043951.D
 Acq: 22 Nov 2024 11:50

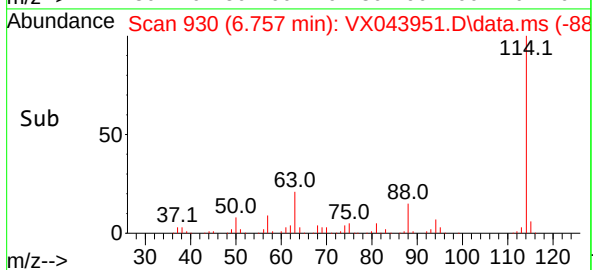
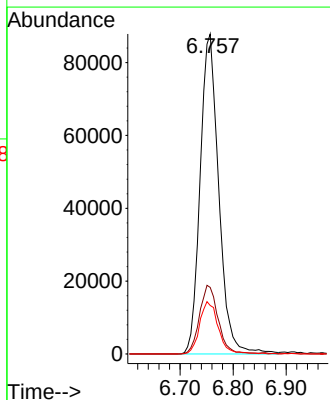
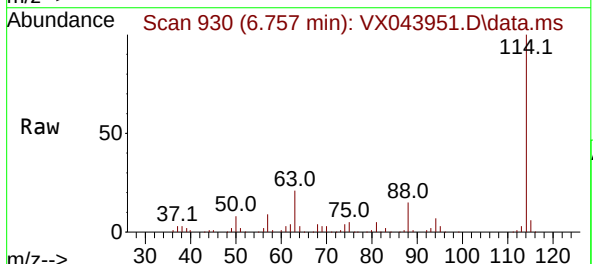
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122MBL01

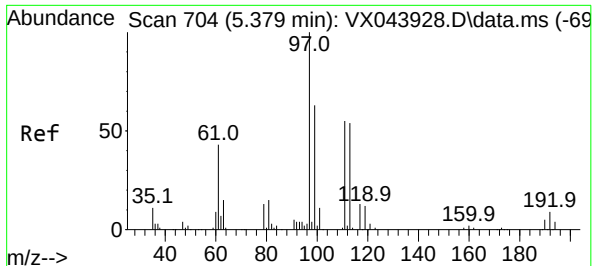
Tgt Ion: 65 Resp: 94492
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043951.D
 Acq: 22 Nov 2024 11:50

Tgt Ion: 114 Resp: 214146
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 44.0
 88 15.1 0.0 32.4

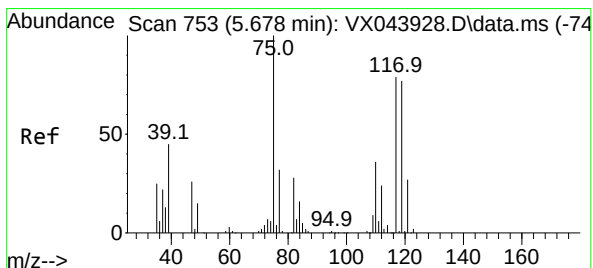
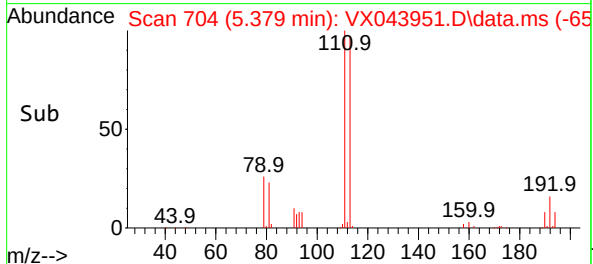
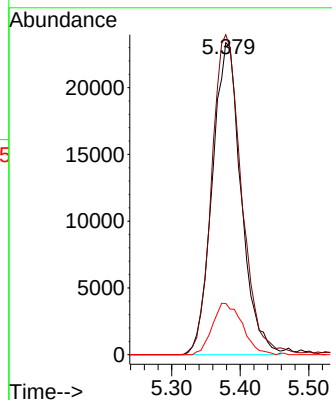
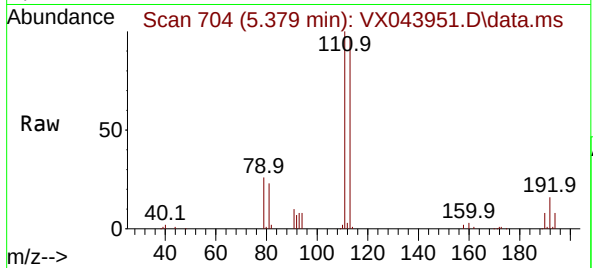




#35
Dibromofluoromethane
Concen: 44.414 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

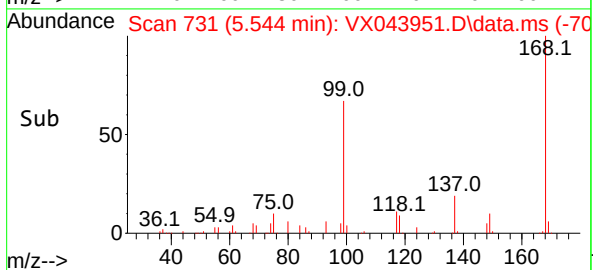
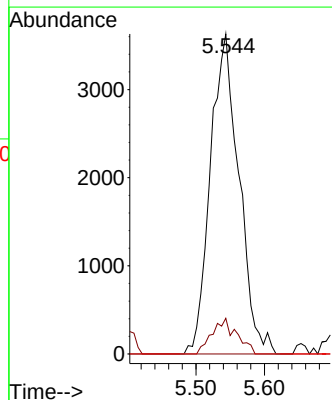
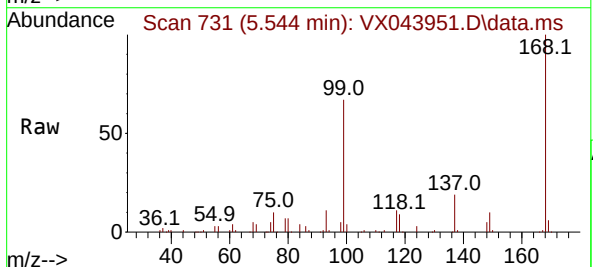
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

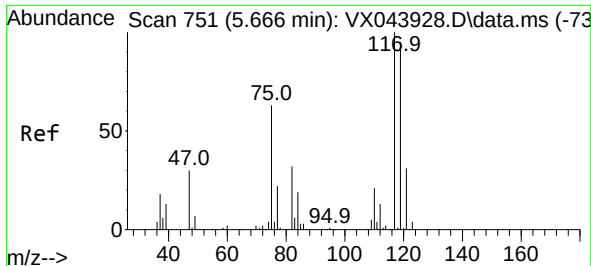
Tgt Ion:113 Resp: 67961
Ion Ratio Lower Upper
113 100
111 106.3 81.0 121.4
192 17.2 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.524 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Tgt Ion: 75 Resp: 10534
Ion Ratio Lower Upper
75 100
110 9.6 17.4 52.2#
77 0.0 25.8 38.8#

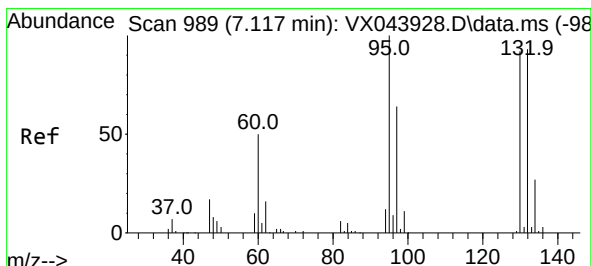
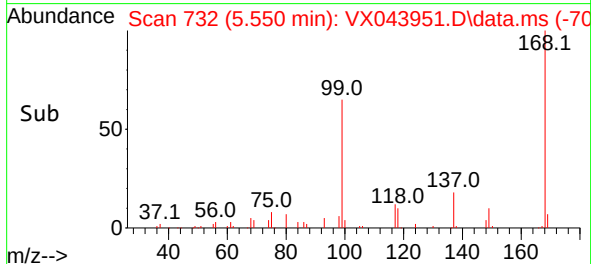
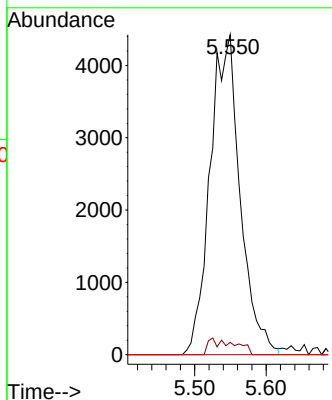
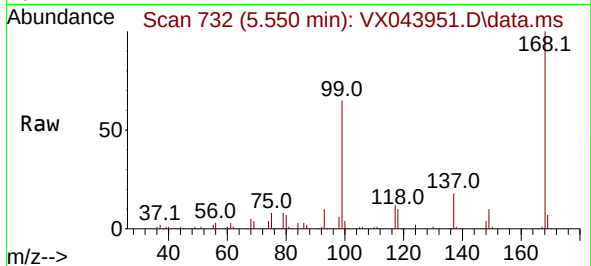




#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

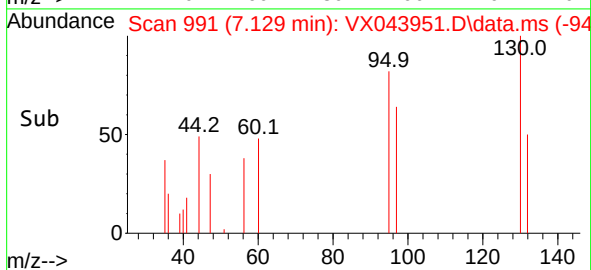
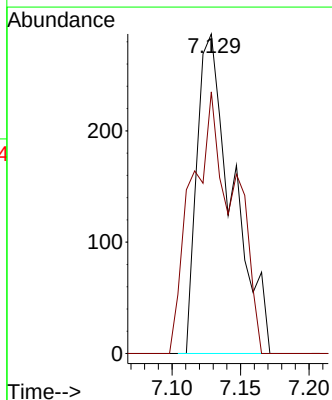
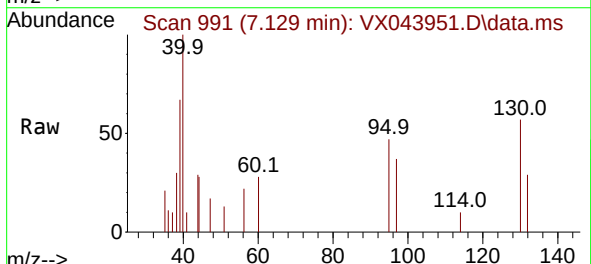
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

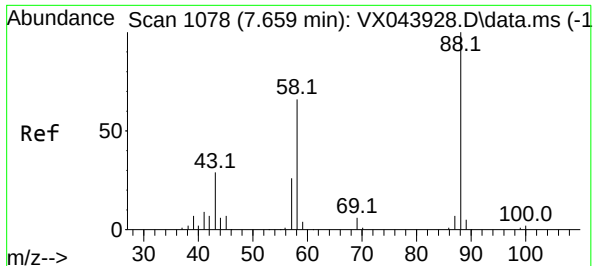
Tgt Ion:117 Resp: 12928
Ion Ratio Lower Upper
117 100
119 3.8 75.2 112.8#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 0.307 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Tgt Ion:130 Resp: 517
Ion Ratio Lower Upper
130 100
95 81.9 0.0 217.8





#49

1,4-Dioxane

Concen: 0.621 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.164 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

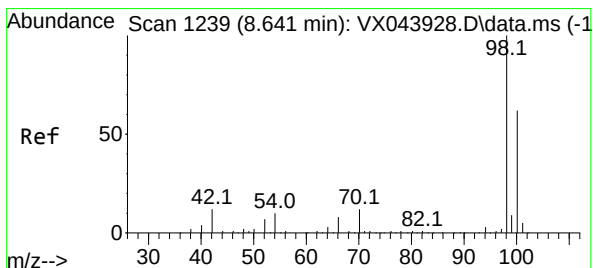
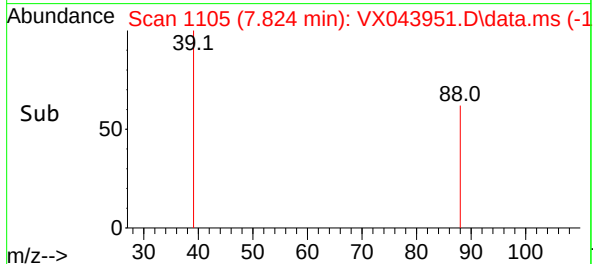
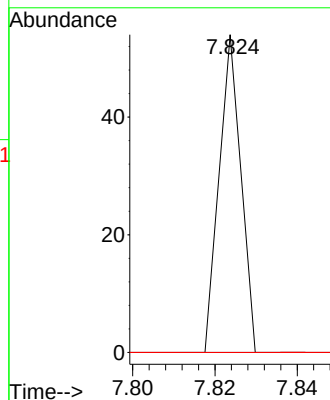
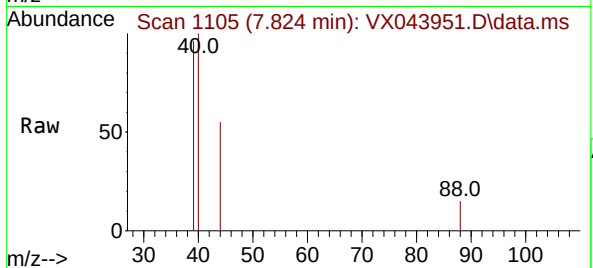
Instrument :

MSVOA_X

ClientSampleId :

VX1122MBL01

Tgt Ion: 88	Resp:	20
Ion	Ratio	Lower Upper
88	100	
43	0.0	26.8 40.2#
58	0.0	45.4 68.2#



#50

Toluene-d8

Concen: 49.525 ug/l

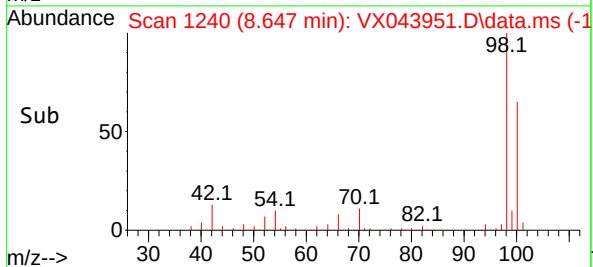
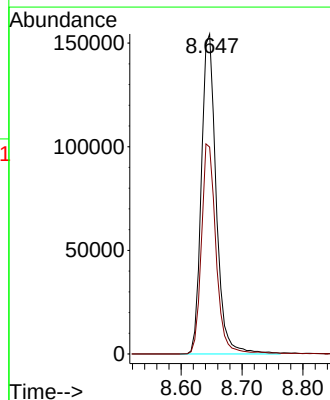
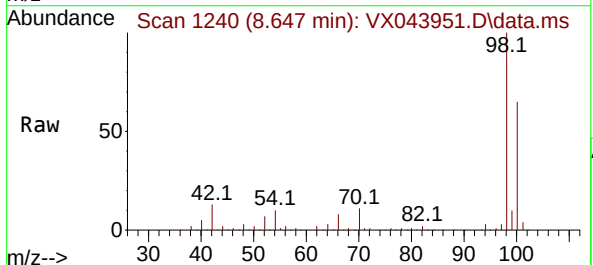
RT: 8.647 min Scan# 1240

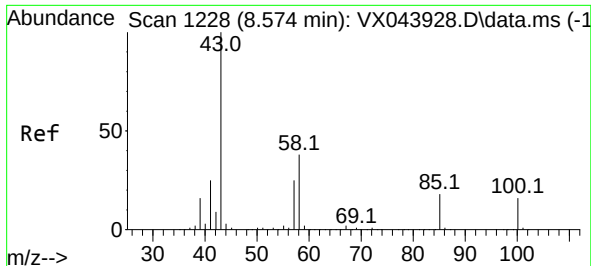
Delta R.T. 0.006 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

Tgt Ion: 98	Resp:	261229
Ion	Ratio	Lower Upper
98	100	
100	64.9	52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.226 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

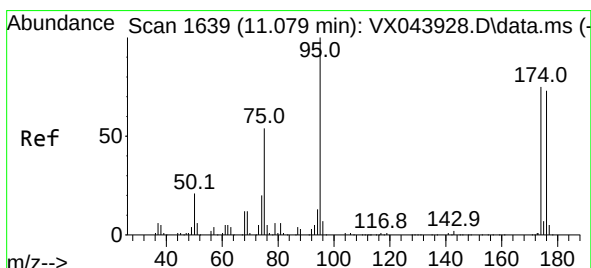
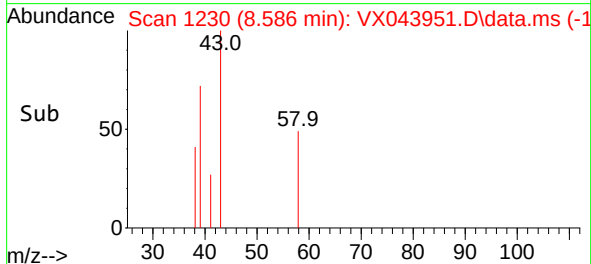
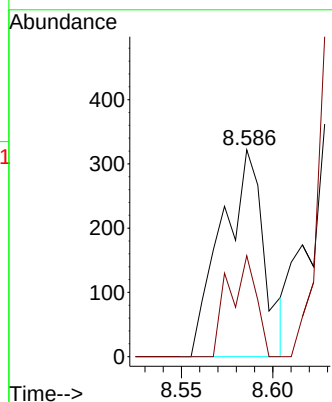
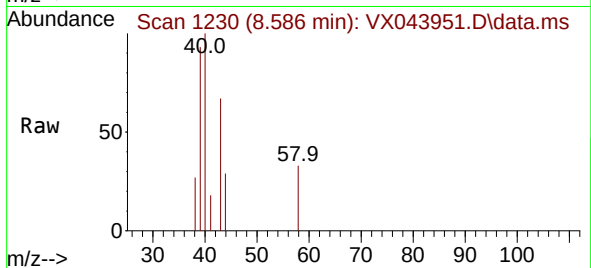
VX1122MBL01

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

43 100

58 31.8 30.0 45.0



#62

4-Bromofluorobenzene

Concen: 46.420 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

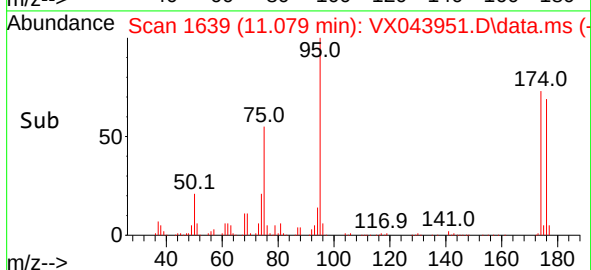
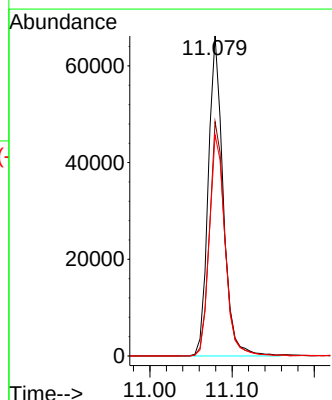
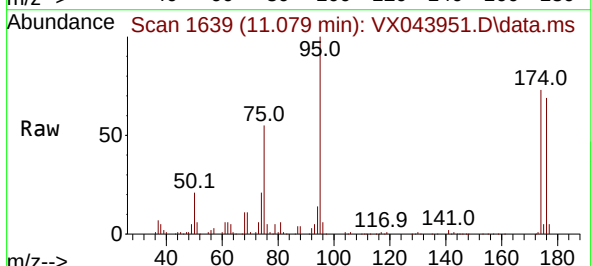
Tgt Ion: 95 Resp: 83330

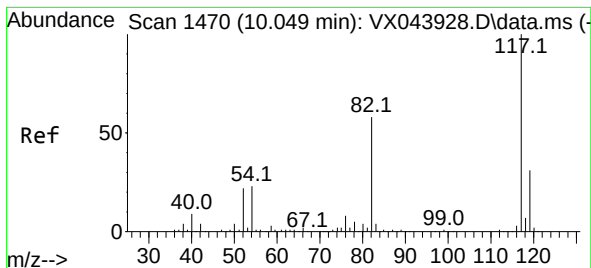
Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.4

176 72.5 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX1122MBL01

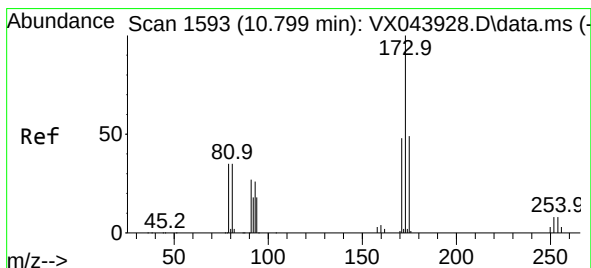
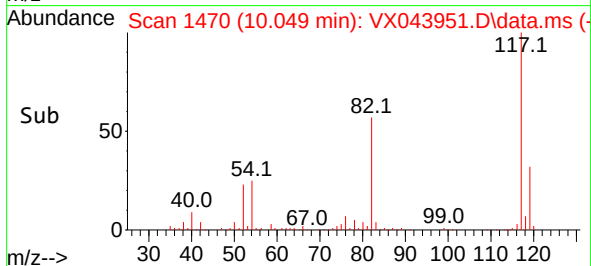
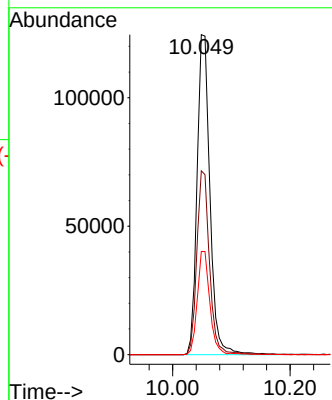
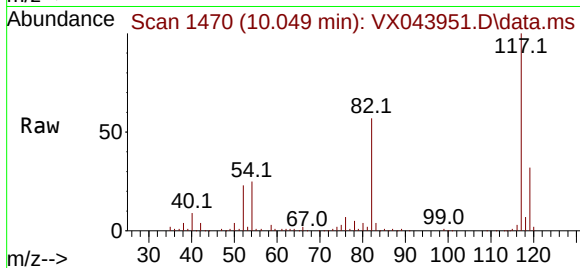
Tgt Ion:117 Resp: 189507

Ion Ratio Lower Upper

117 100

82 57.5 46.4 69.6

119 32.3 24.6 37.0



#71

Bromoform

Concen: 1.302 ug/l

RT: 10.805 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

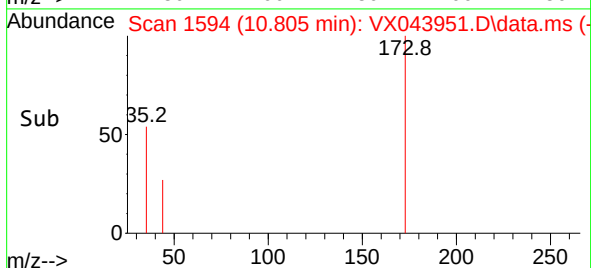
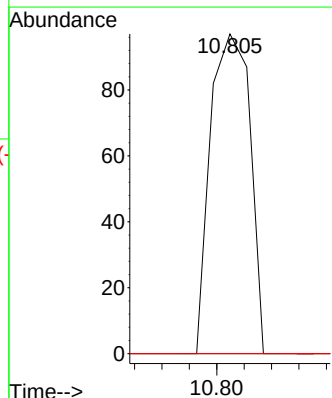
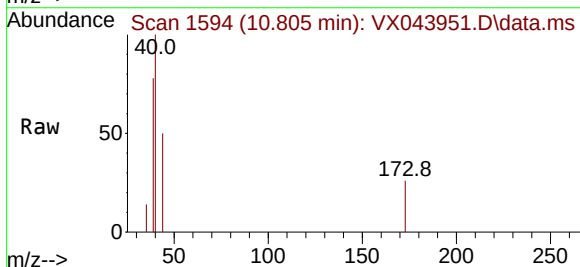
Tgt Ion:173 Resp: 97

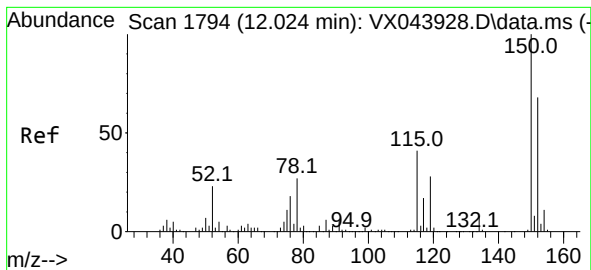
Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043951.D

Acq: 22 Nov 2024 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX1122MBL01

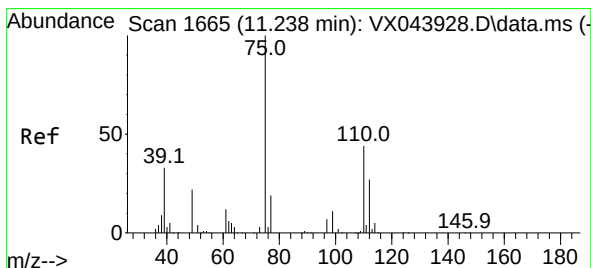
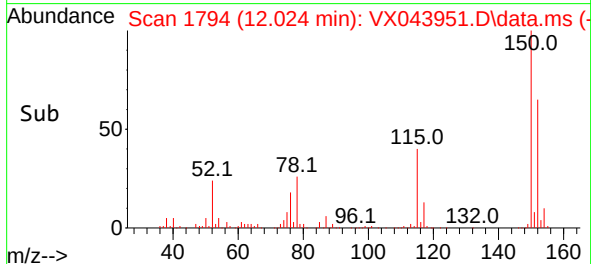
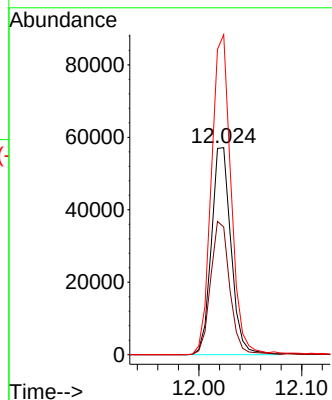
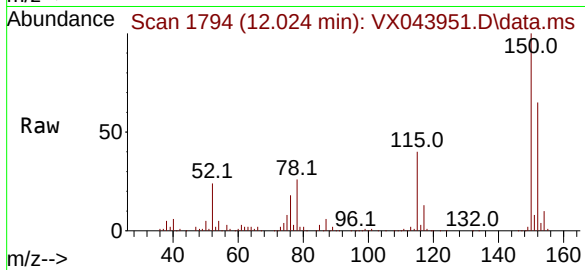
Tgt Ion:152 Resp: 75868

Ion Ratio Lower Upper

152 100

115 62.7 45.4 136.2

150 155.7 0.0 353.0



#76

1,2,3-Trichloropropane

Concen: 28.387 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043951.D

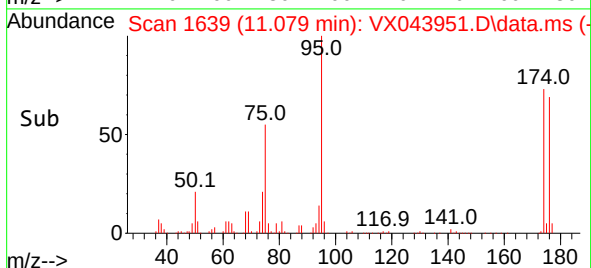
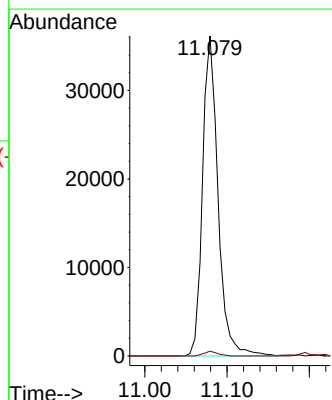
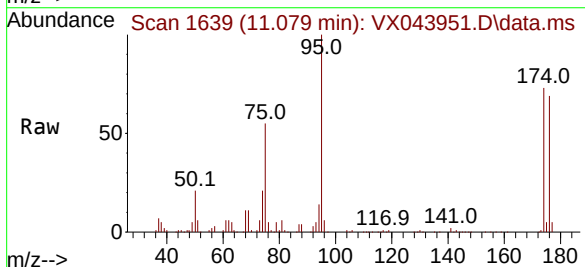
Acq: 22 Nov 2024 11:50

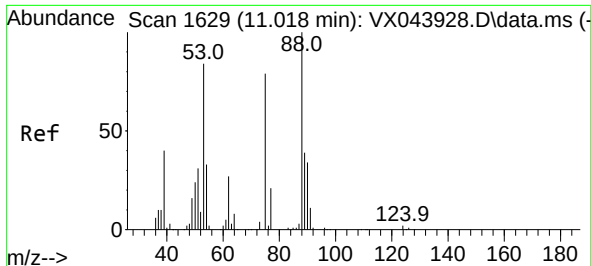
Tgt Ion: 75 Resp: 47230

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.3#

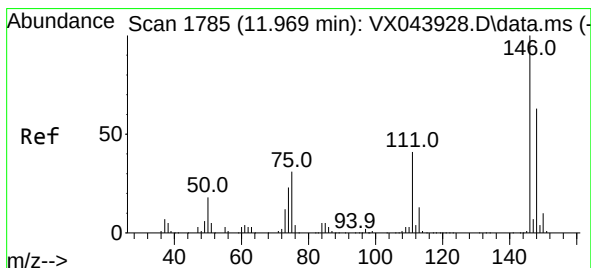
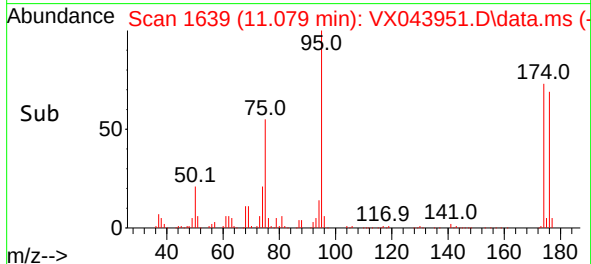
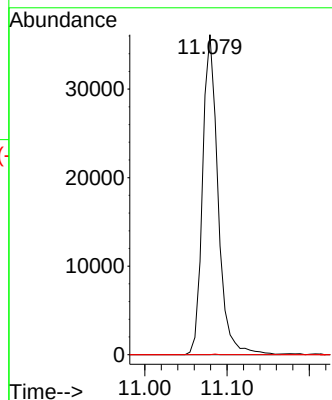
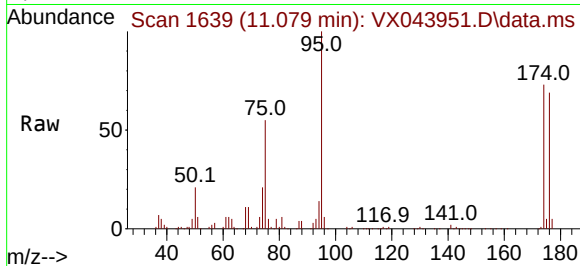




#81
trans-1,4-Dichloro-2-butene
Concen: 77.462 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

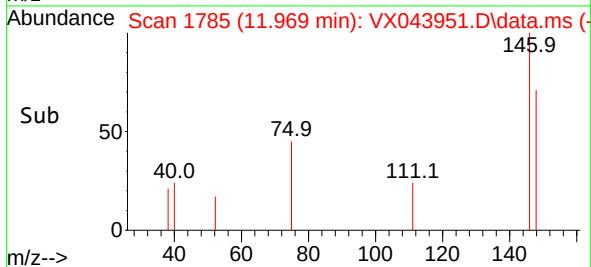
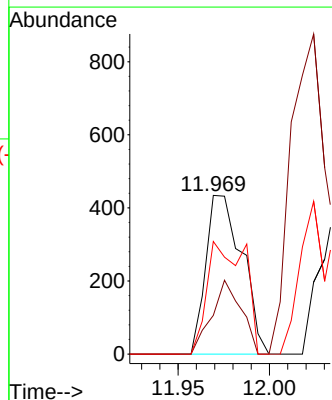
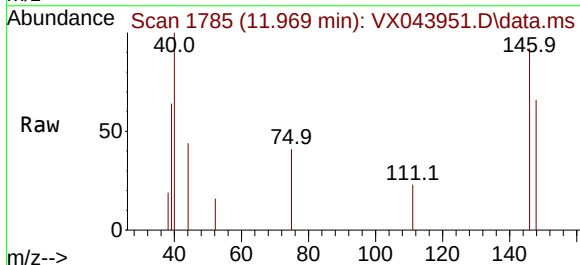
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

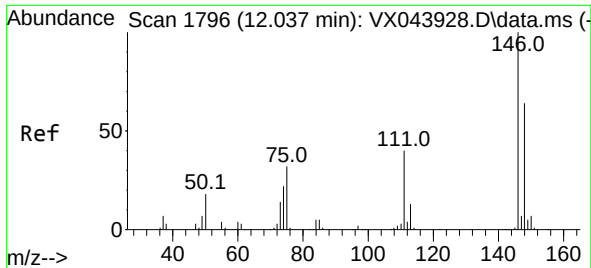
Tgt Ion: 75 Resp: 47230
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.1 38.2 57.2#



#87
1,3-Dichlorobenzene
Concen: 0.237 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Tgt Ion:146 Resp: 600
Ion Ratio Lower Upper
146 100
111 37.7 21.1 63.3
148 73.5 31.7 95.1

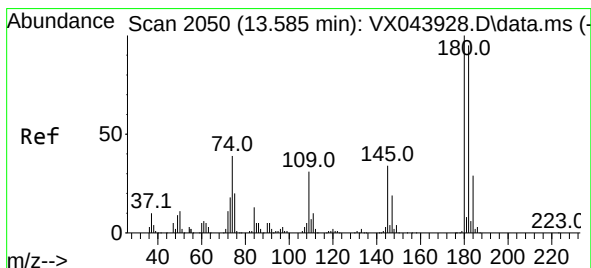
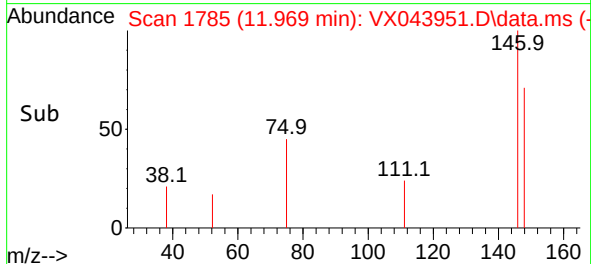
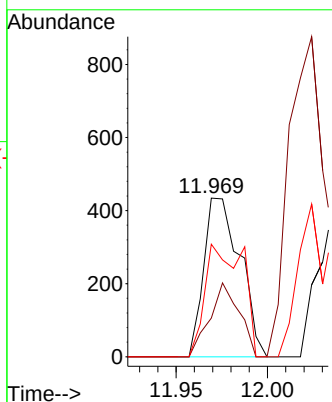
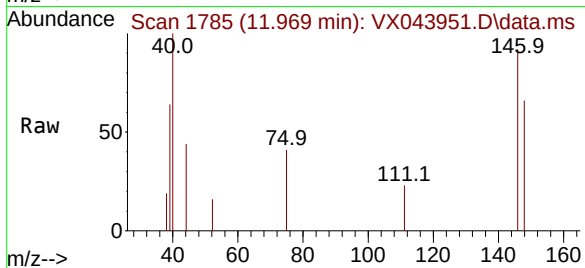




#88
1,4-Dichlorobenzene
Concen: 0.232 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

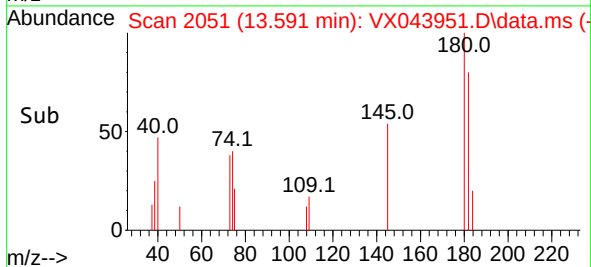
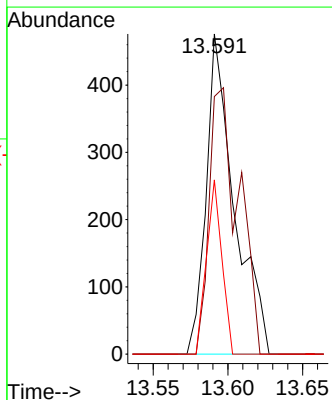
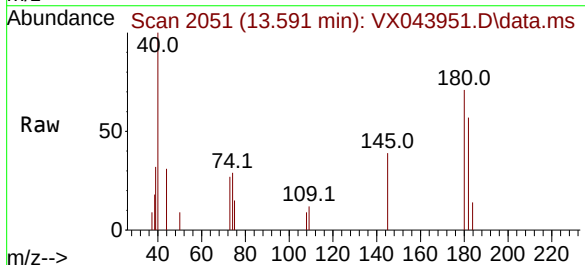
Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

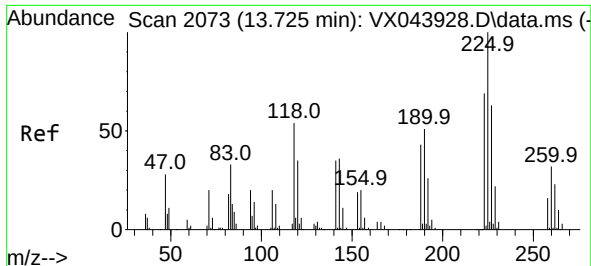
Tgt Ion:146	Resp:	600
Ion Ratio	Lower	Upper
146	100	
111	37.7	20.1 60.3
148	73.5	30.9 92.8



#93
1,2,4-Trichlorobenzene
Concen: 0.412 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

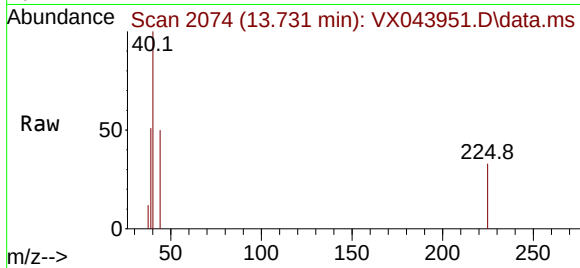
Tgt Ion:180	Resp:	621
Ion Ratio	Lower	Upper
180	100	
182	87.4	48.0 144.2
145	29.6	16.8 50.4



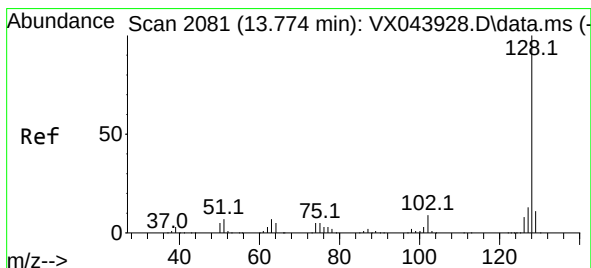
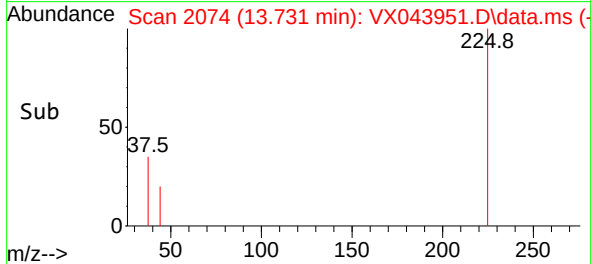
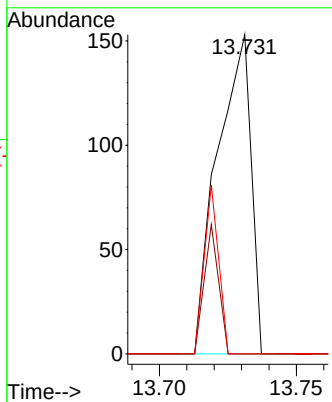


#94
Hexachlorobutadiene
Concen: 0.218 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX1122MBL01

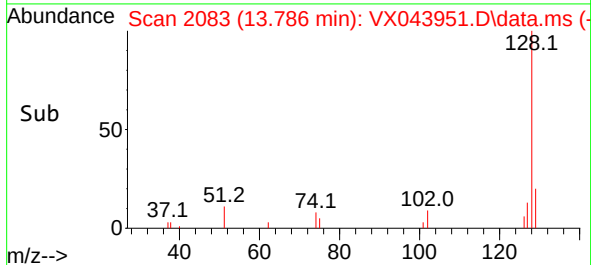
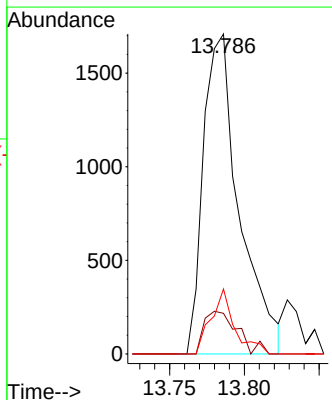
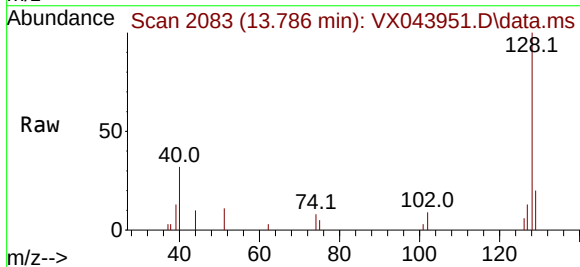


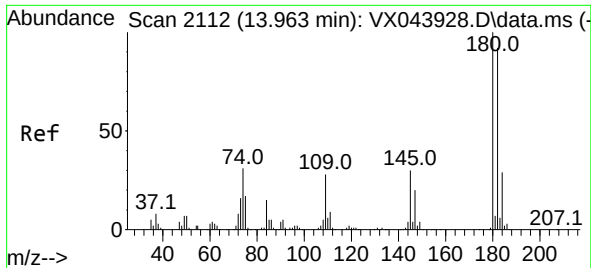
Tgt Ion:225 Resp: 130
Ion Ratio Lower Upper
225 100
223 17.7 32.9 98.6#
227 23.1 31.6 94.8#



#95
Naphthalene
Concen: 0.527 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX043951.D
Acq: 22 Nov 2024 11:50

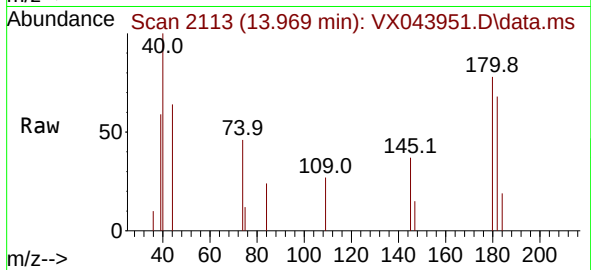
Tgt Ion:128 Resp: 2858
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 13.3 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.433 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX043951.D
 Acq: 22 Nov 2024 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122MBL01



Tgt Ion:	180	Resp:	660
Ion	Ratio	Lower	Upper
180	100		
182	102.3	45.6	136.8
145	22.9	16.4	49.4

