

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030967.D
 Acq On : 31 Aug 2022 10:42
 Operator : JC/MD
 Sample : VX0831WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBL01

Quant Time: Sep 06 02:12:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

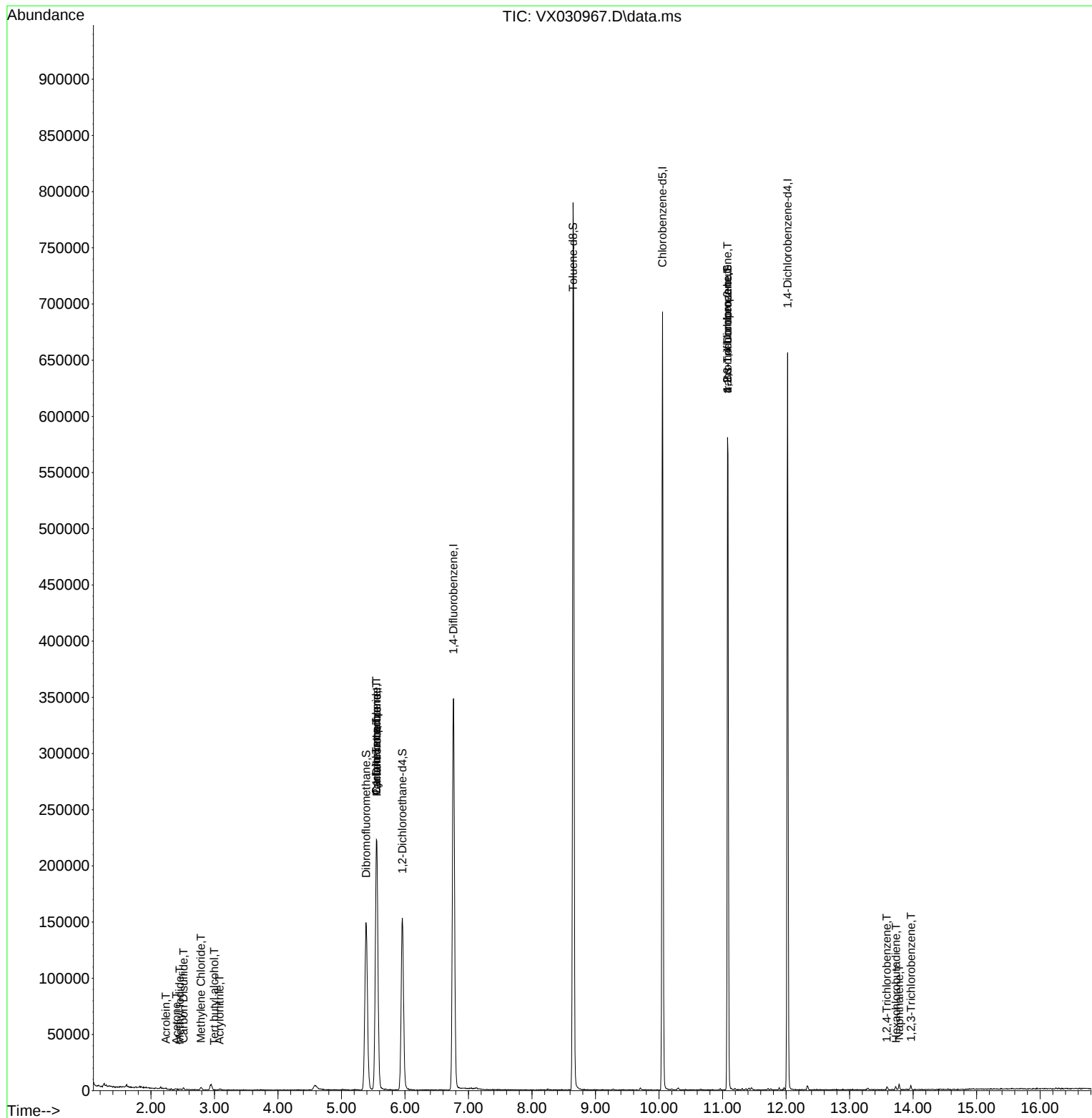
Internal Standards						
1) Pentafluorobenzene	5.556	168	220753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	378629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146530	46.279	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.560%		
35) Dibromofluoromethane	5.385	113	136387	48.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.740%		
50) Toluene-d8	8.647	98	502207	48.587	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.180%		
62) 4-Bromofluorobenzene	11.079	95	163151	44.325	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.640%		
Target Compounds						Qvalue
5) Bromomethane	1.617	94	565	Below Cal		87
10) Methyl Iodide	2.453	142	792	4.663 ug/l #		77
11) Tert butyl alcohol	2.995	59	175	0.233 ug/l #		74
13) Acrolein	2.233	56	135	7.618 ug/l #		44
15) Acrylonitrile	3.081	53	334	0.202 ug/l #		57
16) Acetone	2.398	43	1050	0.735 ug/l #		68
17) Carbon Disulfide	2.514	76	2206	0.312 ug/l		99
20) Methylene Chloride	2.788	84	1192	0.367 ug/l		93
31) Cyclohexane	5.550	56	3852	0.822 ug/l #		1
36) 1,1-Dichloropropene	5.550	75	17277	4.165 ug/l #		49
38) Carbon Tetrachloride	5.550	117	21821	5.525 ug/l #		18
76) 1,2,3-Trichloropropane	11.079	75	78055	22.617 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	78055	67.243 ug/l #		12
93) 1,2,4-Trichlorobenzene	13.585	180	966	0.281 ug/l		93
94) Hexachlorobutadiene	13.731	225	510	0.350 ug/l #		65
95) Naphthalene	13.780	128	3335	0.271 ug/l #		93
96) 1,2,3-Trichlorobenzene	13.969	180	1088	0.314 ug/l		94

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

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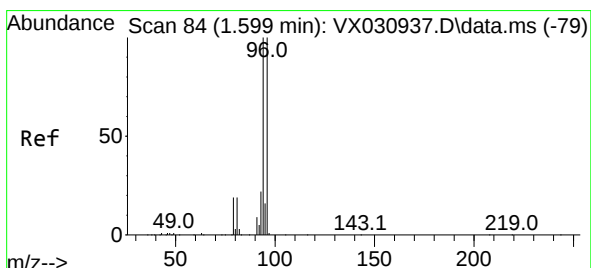
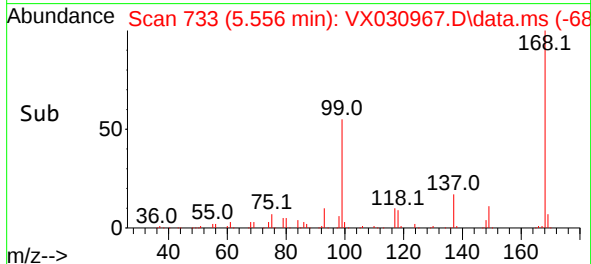
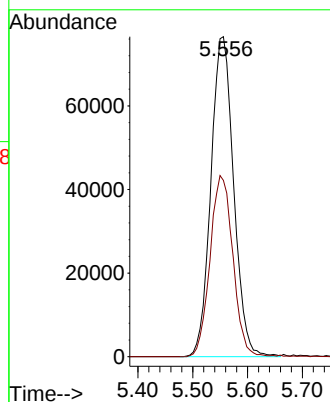
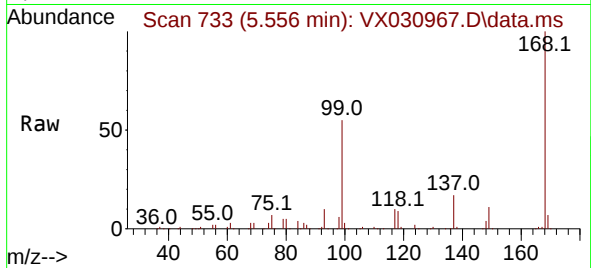




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

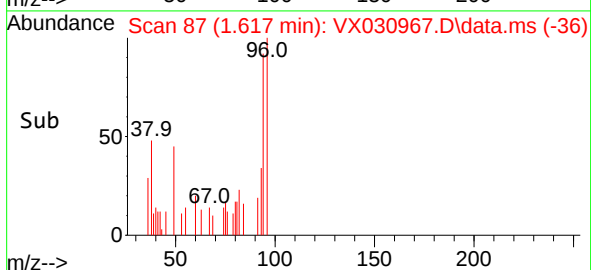
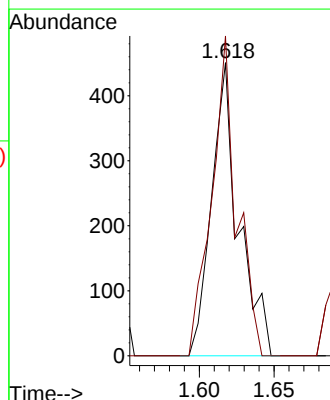
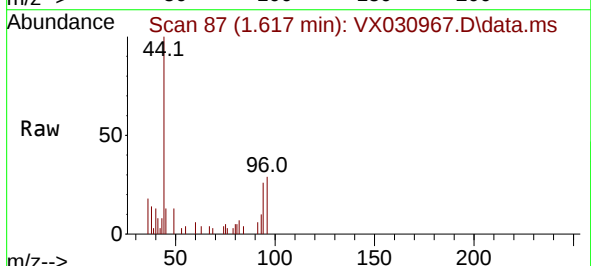
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

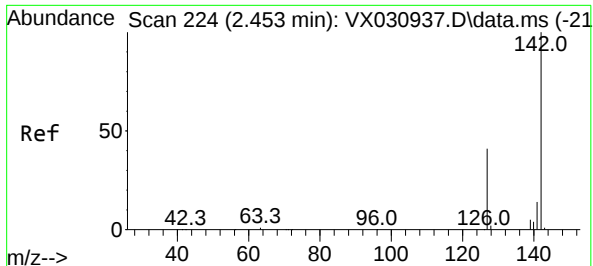
Tgt Ion:168 Resp: 220753
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

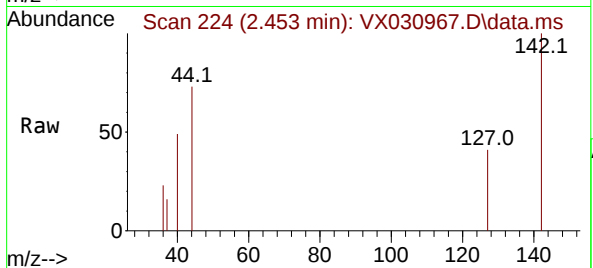
Tgt Ion: 94 Resp: 565
Ion Ratio Lower Upper
94 100
96 109.1 76.9 115.3



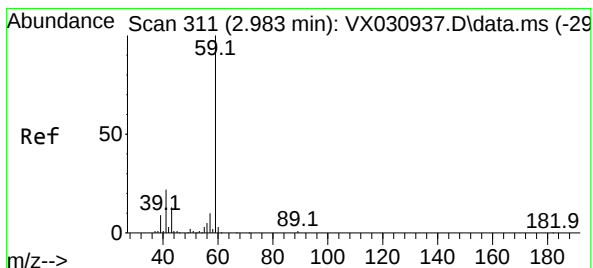
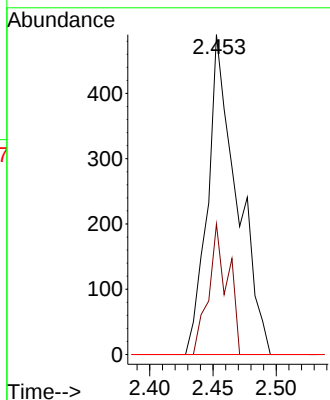
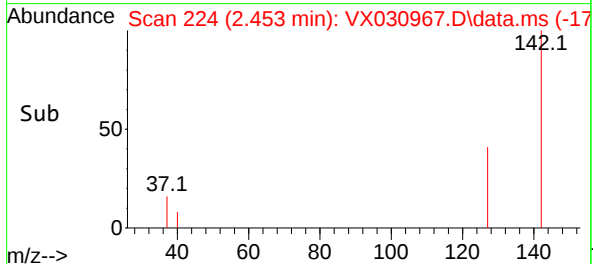


#10
Methyl Iodide
Concen: 4.663 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

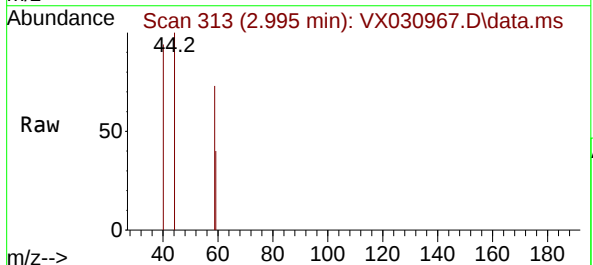
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01



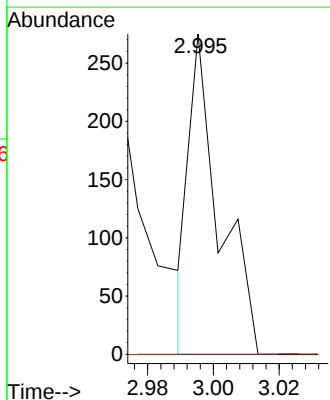
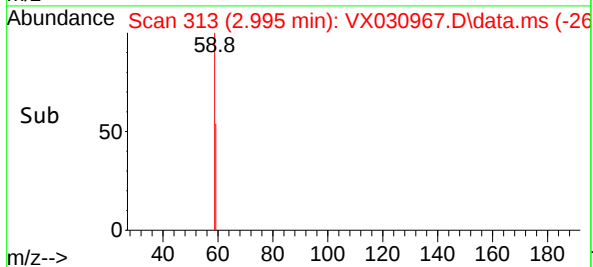
Tgt Ion:142 Resp: 792
Ion Ratio Lower Upper
142 100
127 26.9 30.2 45.2#
141 0.0 11.3 16.9#

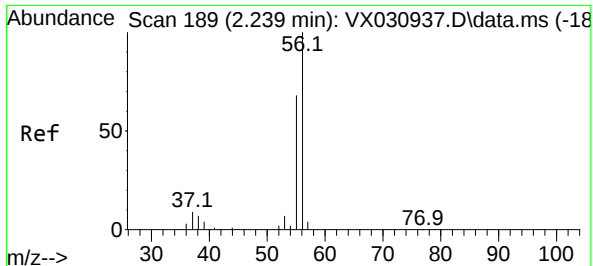


#11
Tert butyl alcohol
Concen: 0.233 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42



Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

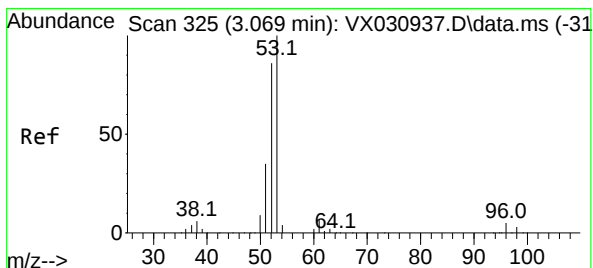
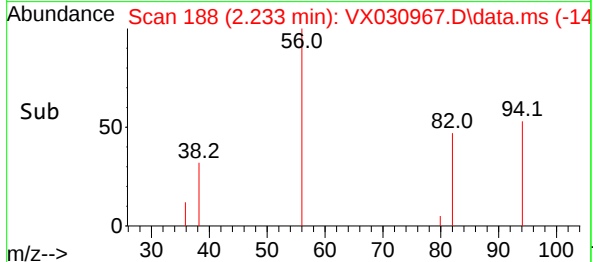
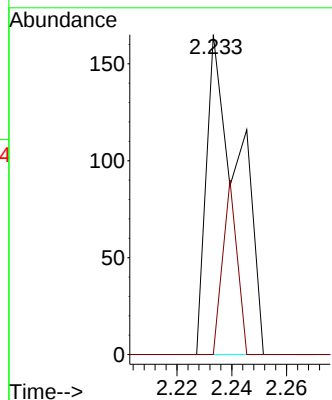
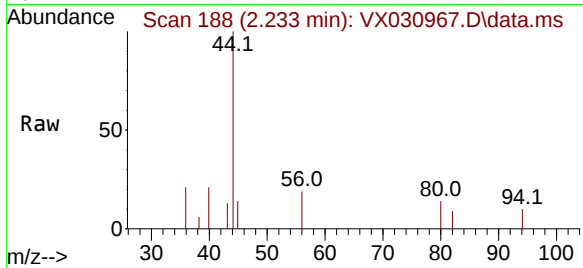




#13
Acrolein
Concen: 7.618 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

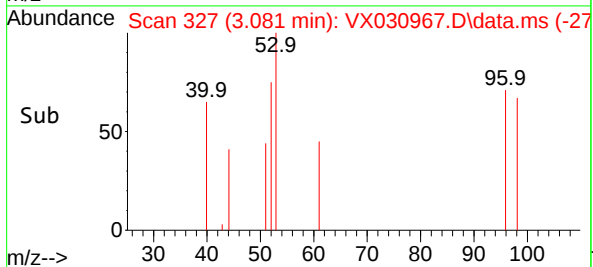
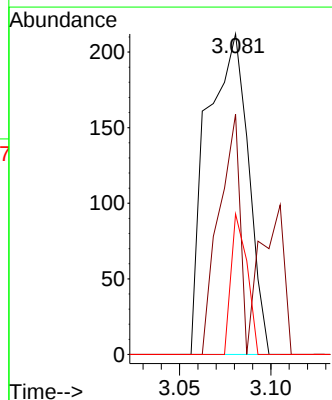
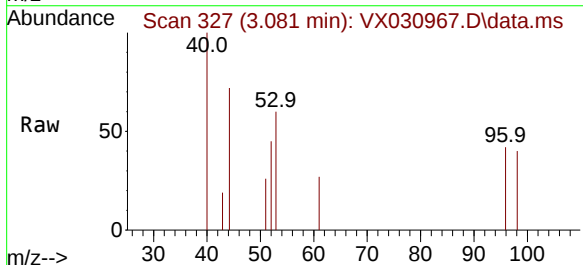
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

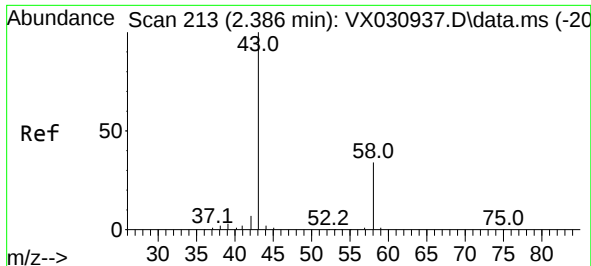
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 24.4 56.6 84.8#



#15
Acrylonitrile
Concen: 0.202 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.012 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

Tgt Ion: 53 Resp: 334
Ion Ratio Lower Upper
53 100
52 38.0 65.4 98.0#
51 17.1 27.7 41.5#

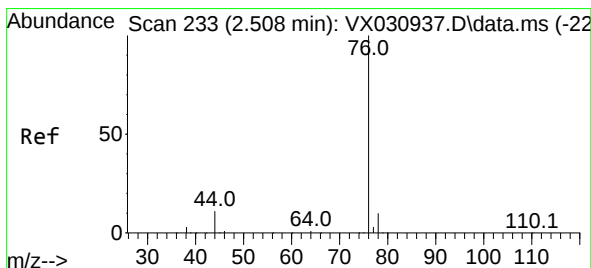
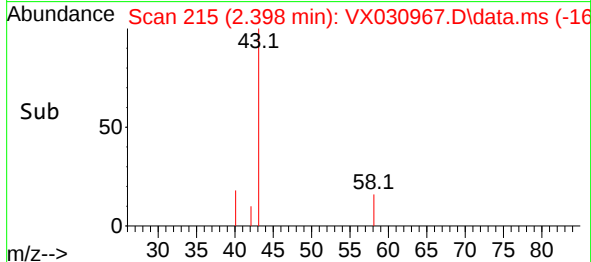
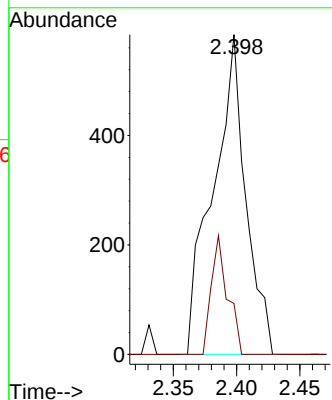
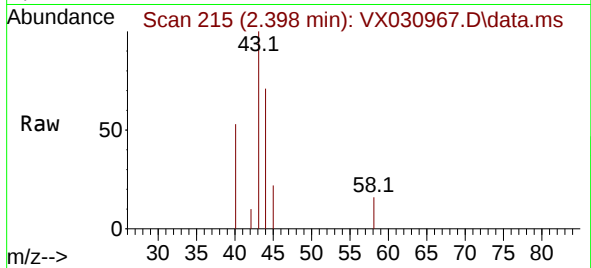




#16
Acetone
Concen: 0.735 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

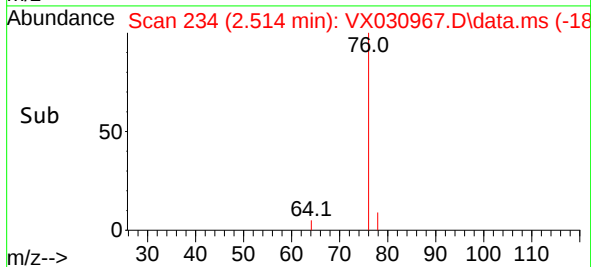
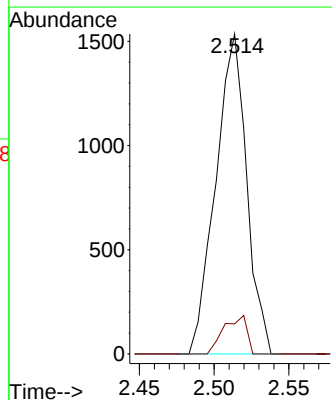
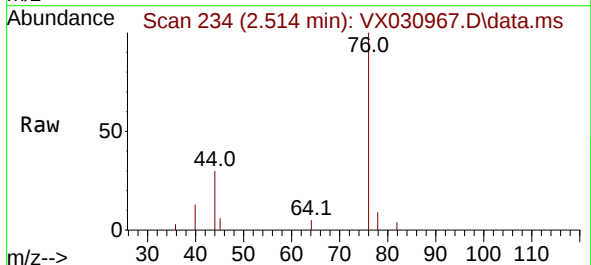
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

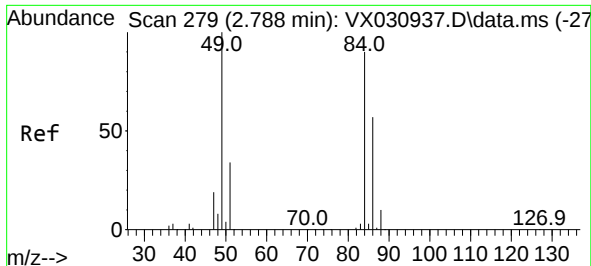
Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 15.9 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.312 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

Tgt Ion: 76 Resp: 2206
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.6

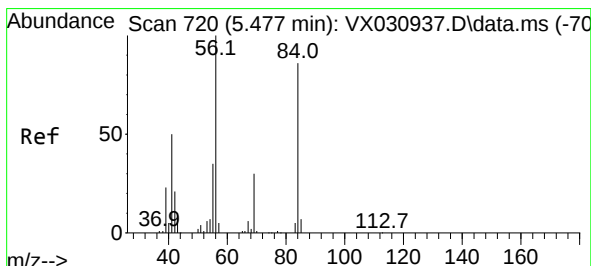
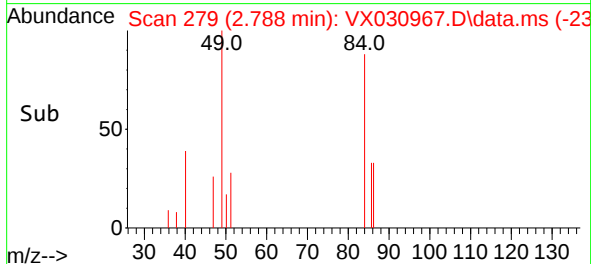
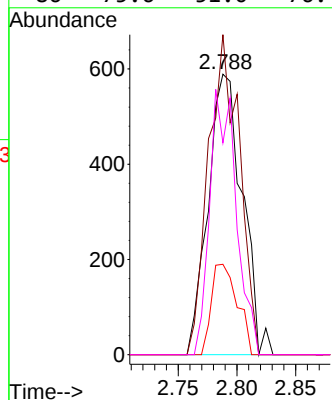
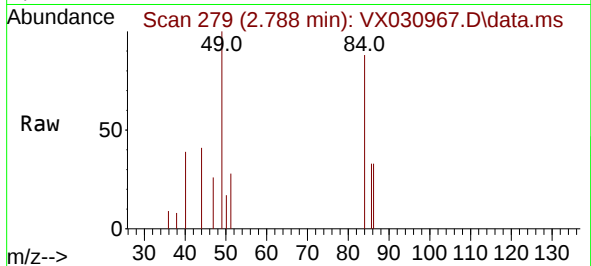




#20
Methylene Chloride
Concen: 0.367 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

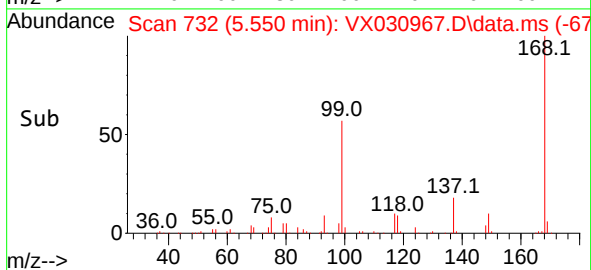
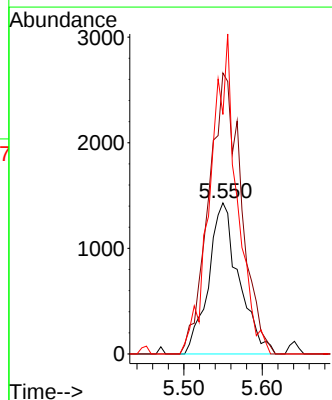
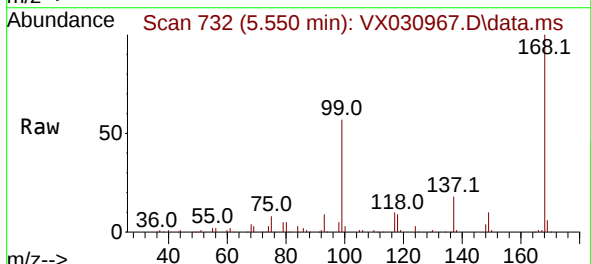
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

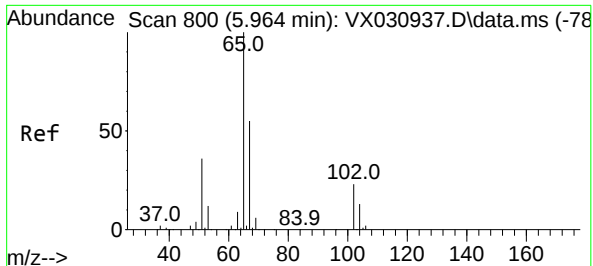
Tgt Ion:	84	Resp:	1192
Ion	Ratio	Lower	Upper
84	100		
49	114.1	93.8	140.6
51	32.3	29.4	44.0
86	75.6	51.0	76.4



#31
Cyclohexane
Concen: 0.822 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

Tgt Ion:	56	Resp:	3852
Ion	Ratio	Lower	Upper
56	100		
69	186.0	25.4	38.0#
84	158.6	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 46.279 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030967.D

Acq: 31 Aug 2022 10:42

Instrument :

MSVOA_X

ClientSampleId :

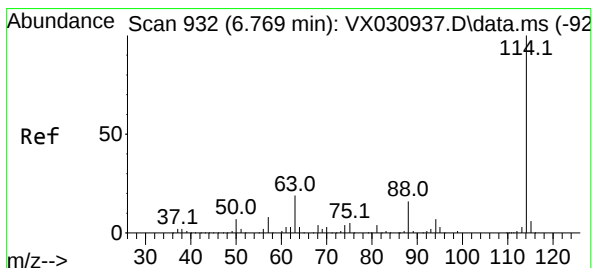
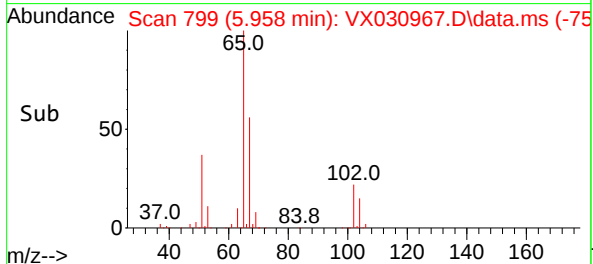
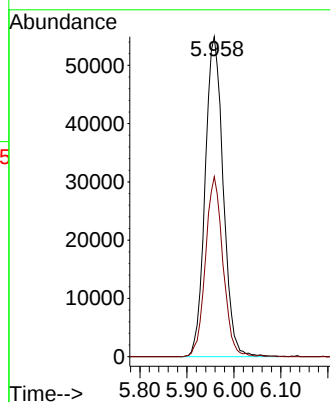
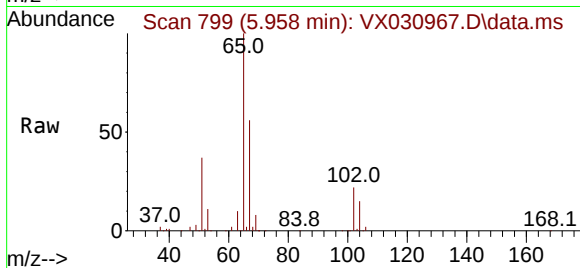
VX0831WBL01

Tgt Ion: 65 Resp: 146530

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030967.D

Acq: 31 Aug 2022 10:42

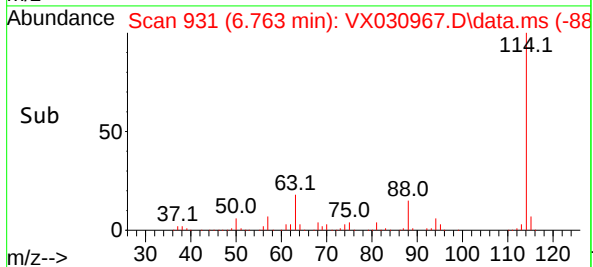
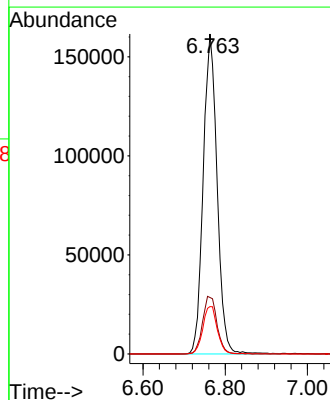
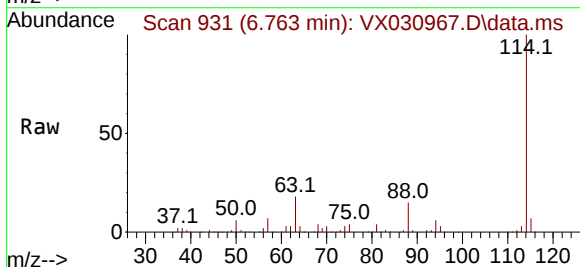
Tgt Ion: 114 Resp: 378629

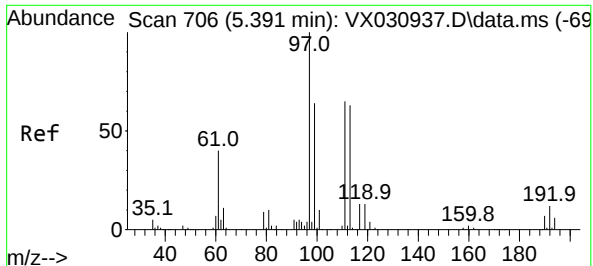
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX030967.D

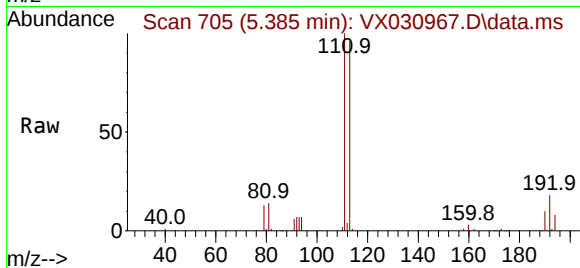
Acq: 31 Aug 2022 10:42

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VX0831WBL01



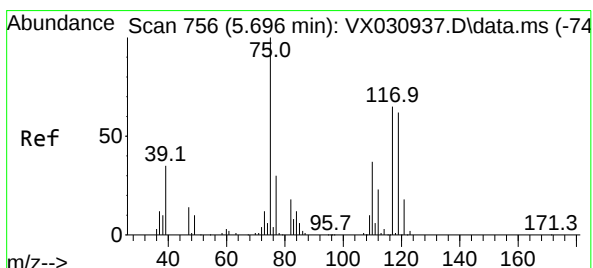
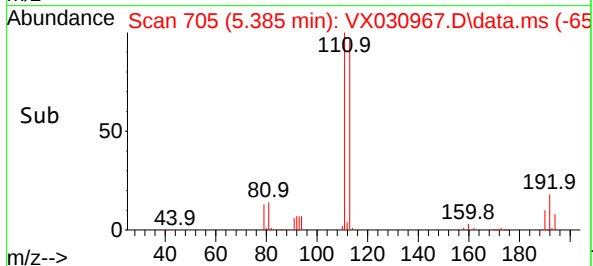
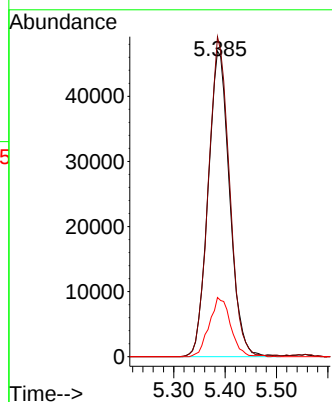
Tgt Ion:113 Resp: 136387

Ion Ratio Lower Upper

113 100

111 102.1 83.2 124.8

192 19.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.165 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030967.D

Acq: 31 Aug 2022 10:42

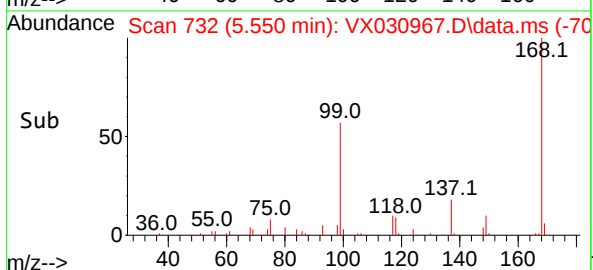
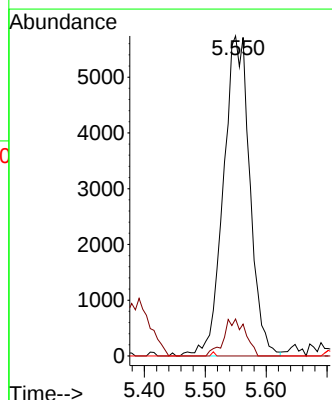
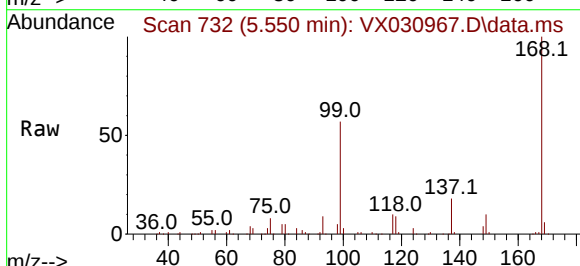
Tgt Ion: 75 Resp: 17277

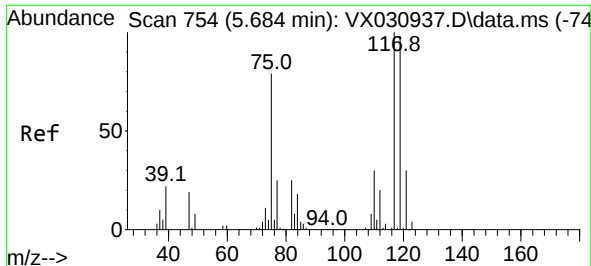
Ion Ratio Lower Upper

75 100

110 9.5 19.3 57.9#

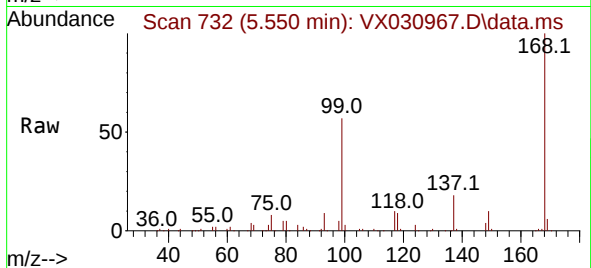
77 0.0 24.4 36.6#



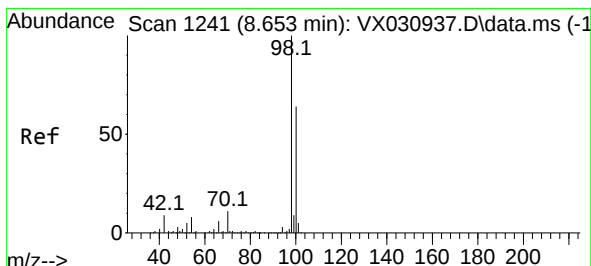
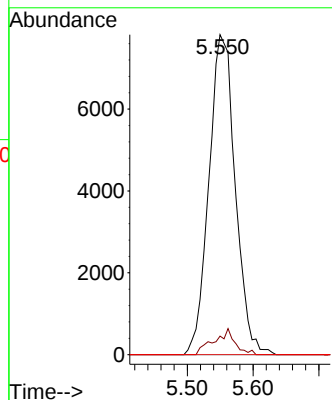
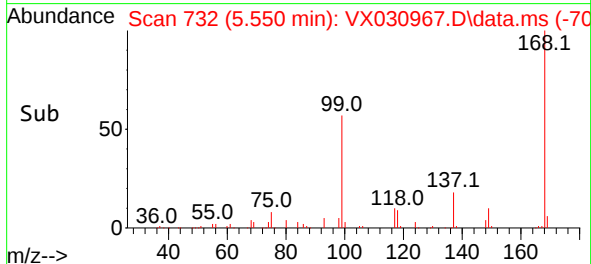


#38
Carbon Tetrachloride
Concen: 5.525 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

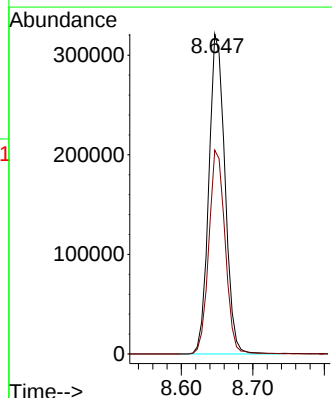
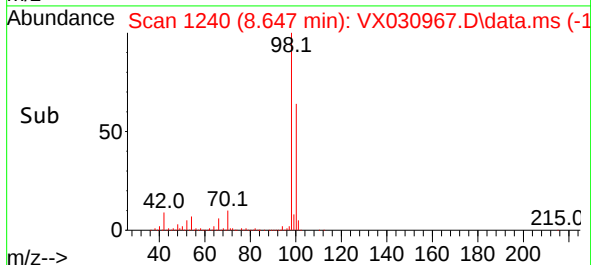
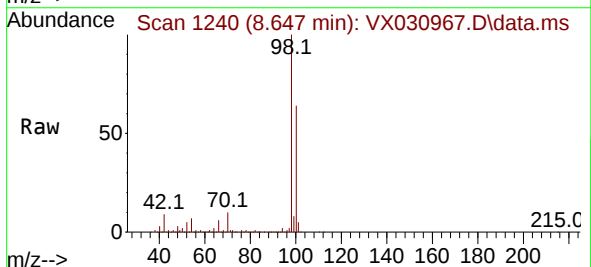


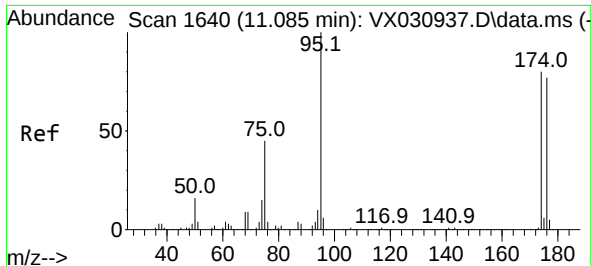
Tgt Ion:117 Resp: 21821
Ion Ratio Lower Upper
117 100
119 5.8 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 48.587 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

Tgt Ion: 98 Resp: 502207
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

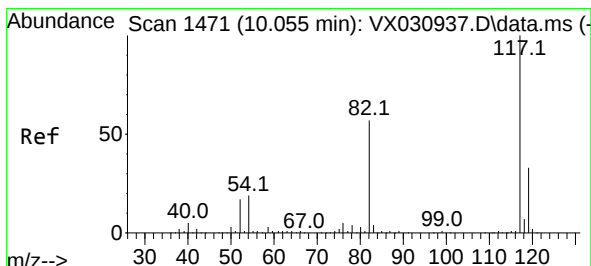
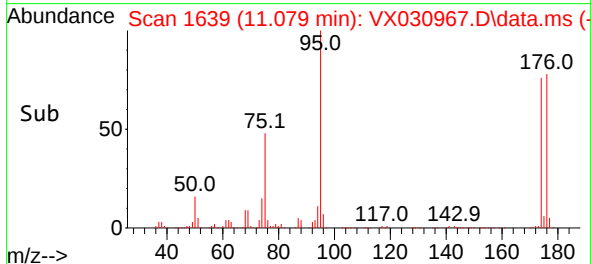
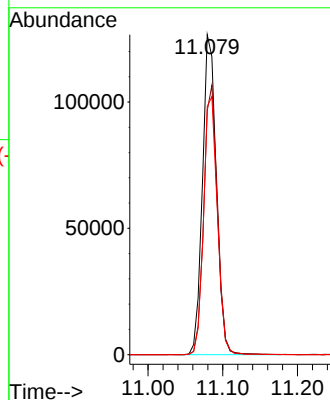
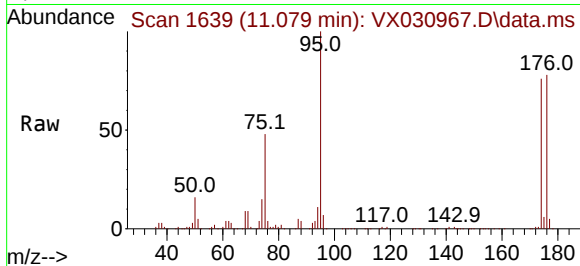




#62
4-Bromofluorobenzene
Concen: 44.325 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

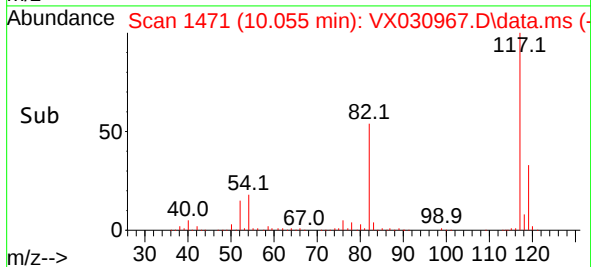
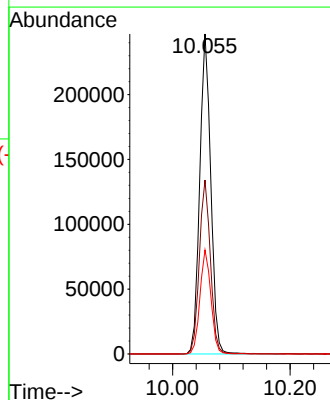
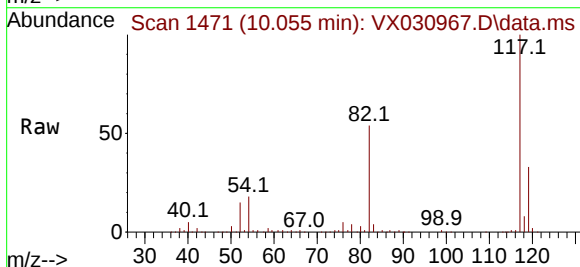
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

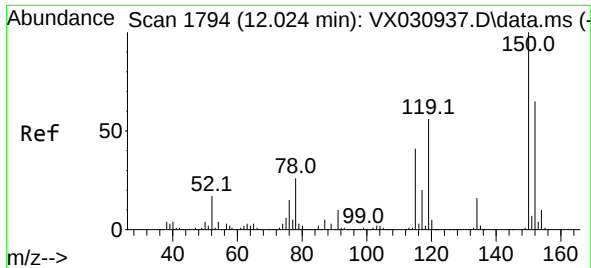
Tgt Ion: 95 Resp: 163151
Ion Ratio Lower Upper
95 100
174 83.1 0.0 149.0
176 80.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

Tgt Ion: 117 Resp: 322273
Ion Ratio Lower Upper
117 100
82 54.3 42.7 64.1
119 32.5 25.4 38.2

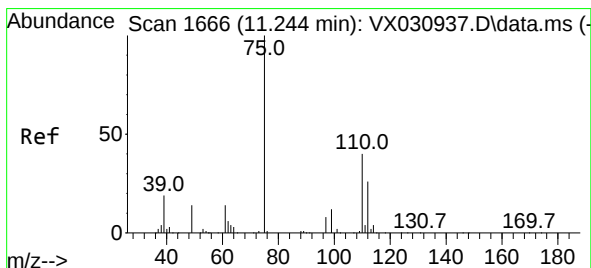
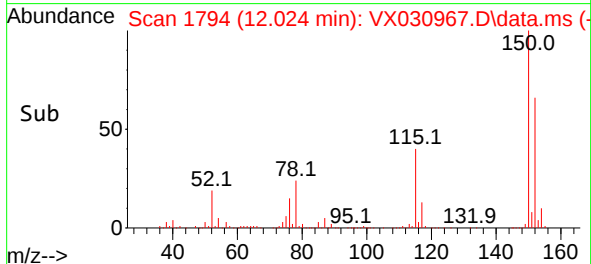
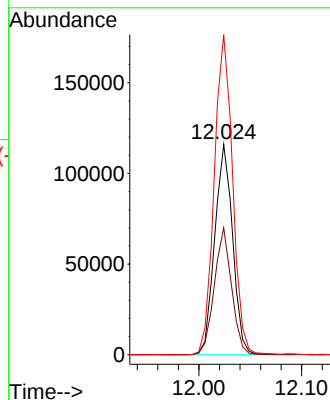
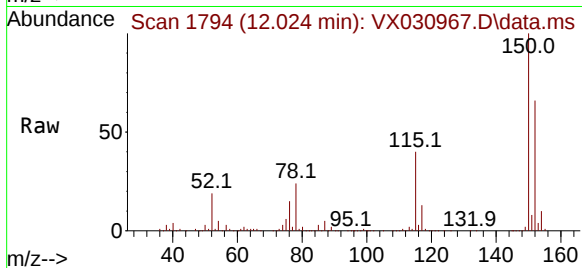




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030967.D
 Acq: 31 Aug 2022 10:42

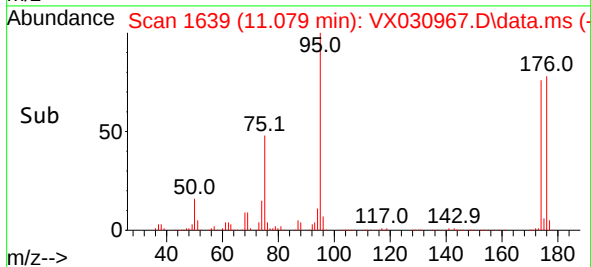
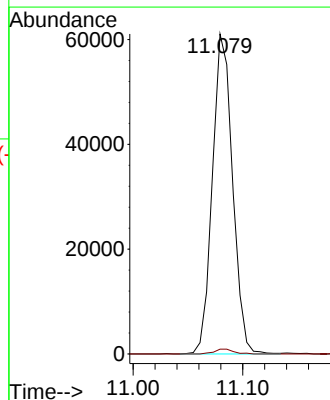
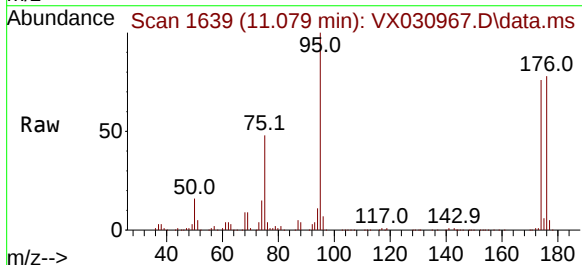
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBL01

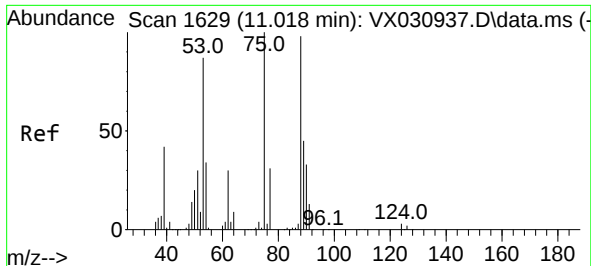
Tgt Ion:152 Resp: 140185
 Ion Ratio Lower Upper
 152 100
 115 58.2 40.5 121.5
 150 155.8 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.617 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX030967.D
 Acq: 31 Aug 2022 10:42

Tgt Ion: 75 Resp: 78055
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.8 59.3#

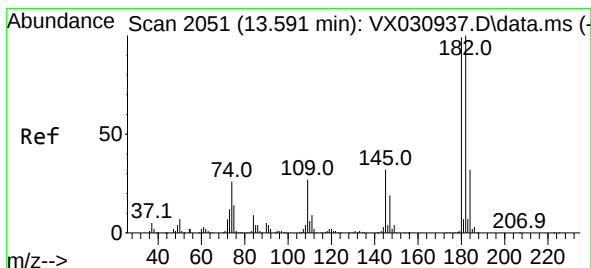
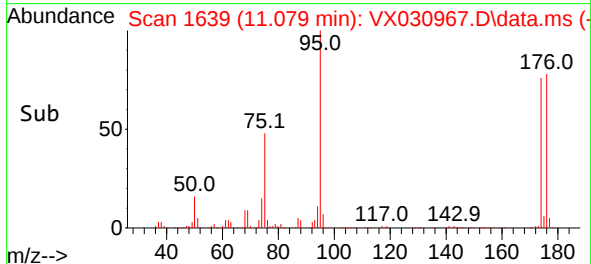
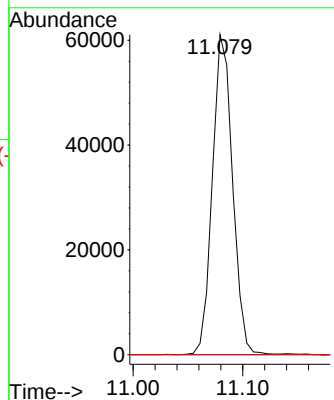
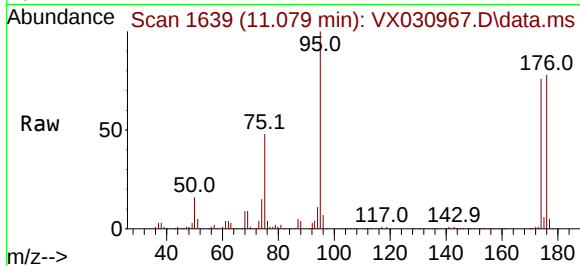




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.243 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX030967.D
 Acq: 31 Aug 2022 10:42

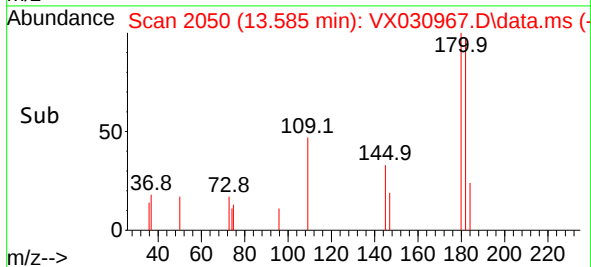
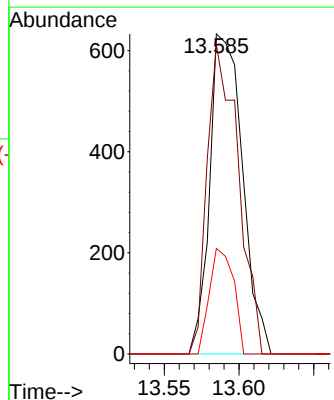
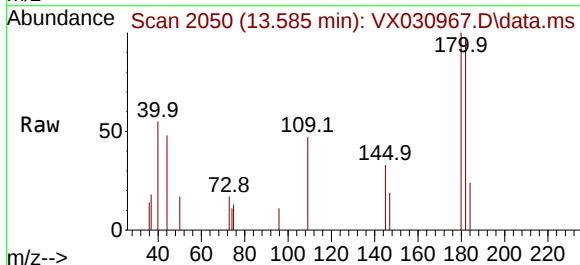
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBL01

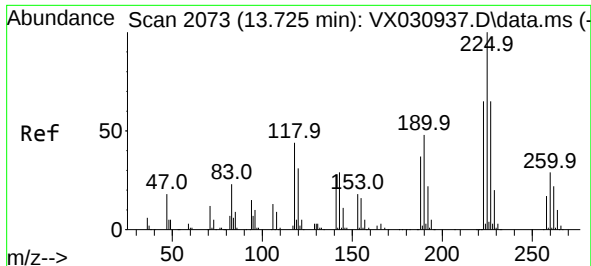
Tgt Ion: 75 Resp: 78055
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.281 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.006 min
 Lab File: VX030967.D
 Acq: 31 Aug 2022 10:42

Tgt Ion:180 Resp: 966
 Ion Ratio Lower Upper
 180 100
 182 91.6 48.2 144.6
 145 24.3 15.9 47.6

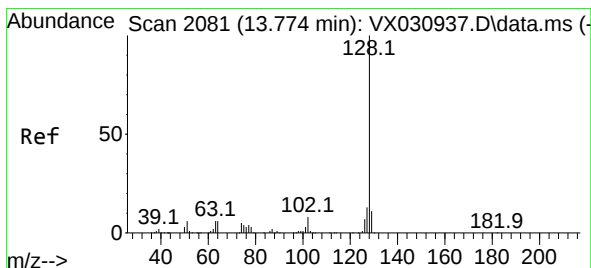
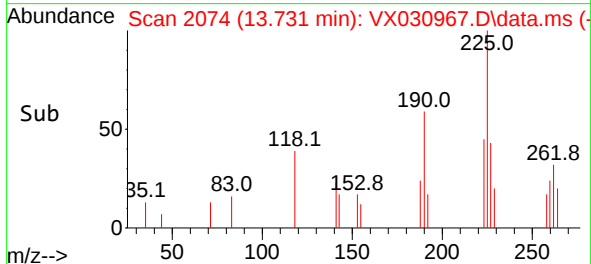
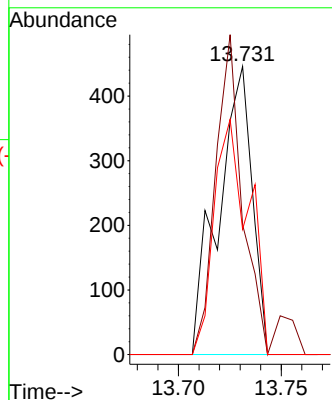
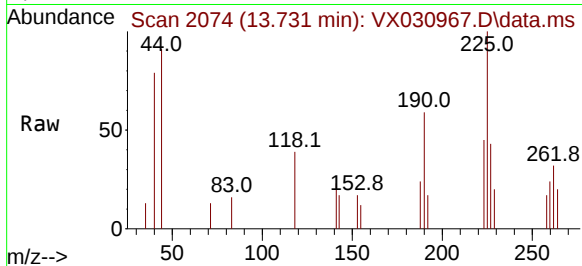




#94
Hexachlorobutadiene
Concen: 0.350 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

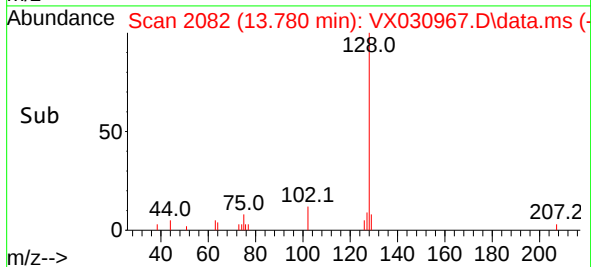
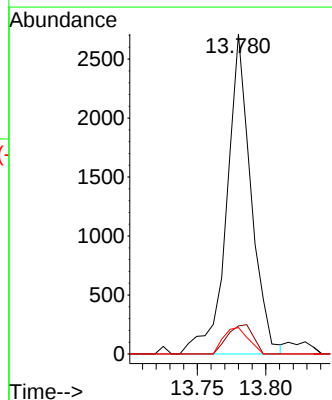
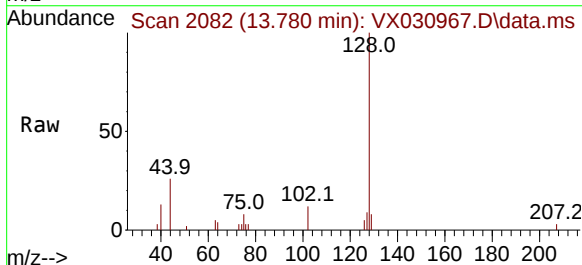
Instrument :
MSVOA_X
ClientSampleId :
VX0831WBL01

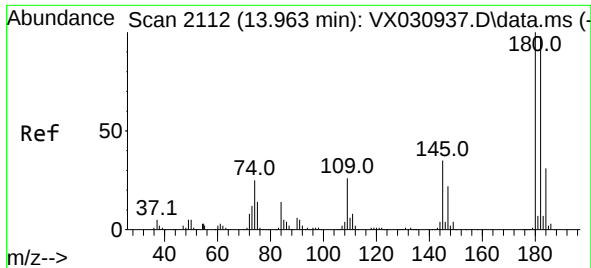
Tgt Ion:225 Resp: 510
Ion Ratio Lower Upper
225 100
223 95.5 30.6 91.6#
227 83.9 31.9 95.9



#95
Naphthalene
Concen: 0.271 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX030967.D
Acq: 31 Aug 2022 10:42

Tgt Ion:128 Resp: 3335
Ion Ratio Lower Upper
128 100
127 9.7 10.2 15.2#
129 8.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.314 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX030967.D
 Acq: 31 Aug 2022 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBL01

Tgt Ion:180 Resp: 1088
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.0 141.0
 145 33.6 17.0 50.9

