

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033122.D
 Acq On : 30 Nov 2022 10:17
 Operator : JC/MD
 Sample : VX1130MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1130MBL01

Quant Time: Dec 01 00:17:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

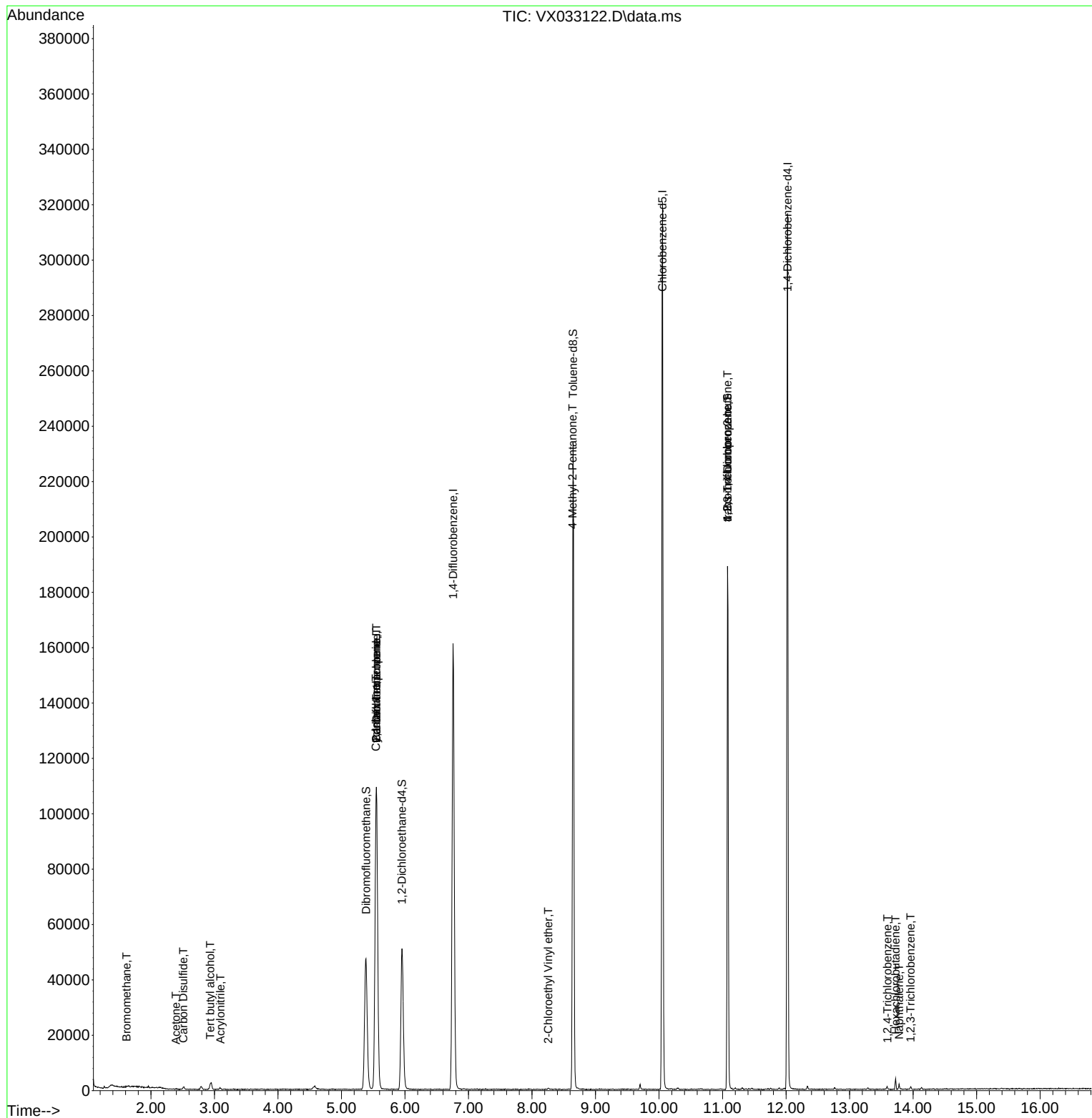
Internal Standards						
1) Pentafluorobenzene	5.550	168	104624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52926	51.888	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.780%			
35) Dibromofluoromethane	5.385	113	41202	44.656	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.320%			
50) Toluene-d8	8.647	98	135886	48.901	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.800%			
62) 4-Bromofluorobenzene	11.079	95	48171	39.745	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 79.480%#			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	179	0.251	ug/l #	72
11) Tert butyl alcohol	2.934	59	1647	10.197	ug/l #	72
15) Acrylonitrile	3.093	53	216	0.473	ug/l #	71
16) Acetone	2.392	43	120	0.252	ug/l #	45
17) Carbon Disulfide	2.508	76	1169	0.463	ug/l	96
20) Methylene Chloride	2.794	84	581	Below Cal	#	70
31) Cyclohexane	5.544	56	2175	1.317	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8014	5.432	ug/l #	50
38) Carbon Tetrachloride	5.550	117	10876	6.645	ug/l #	15
51) 4-Methyl-2-Pentanone	8.641	43	655	0.499	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.257	63	291	0.401	ug/l #	62
76) 1,2,3-Trichloropropane	11.079	75	26161	21.510	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	26161	69.917	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	392	0.309	ug/l #	84
94) Hexachlorobutadiene	13.725	225	603	1.077	ug/l	98
95) Naphthalene	13.780	128	1404	0.342	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	440	0.346	ug/l	96

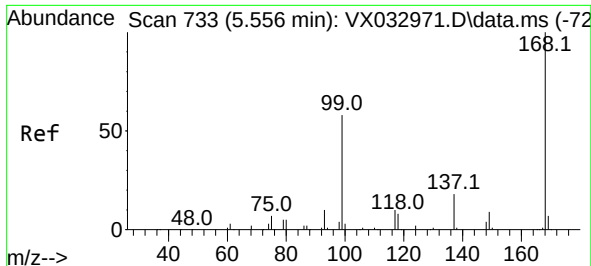
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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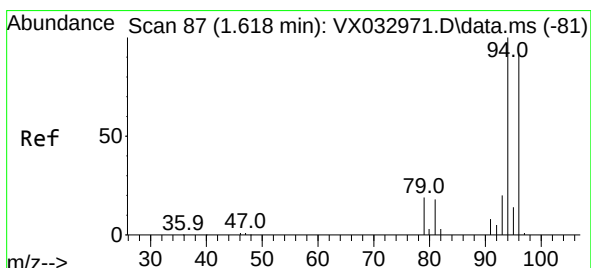
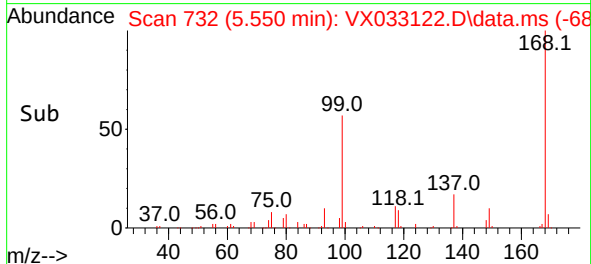
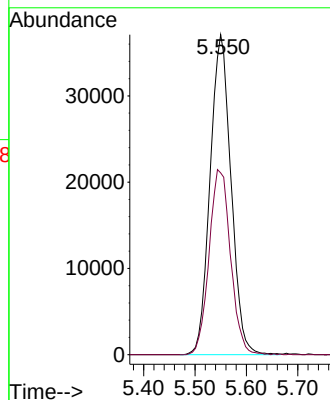
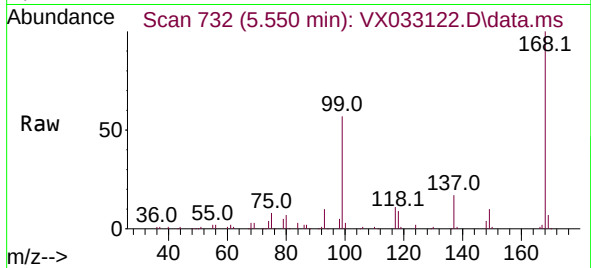




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

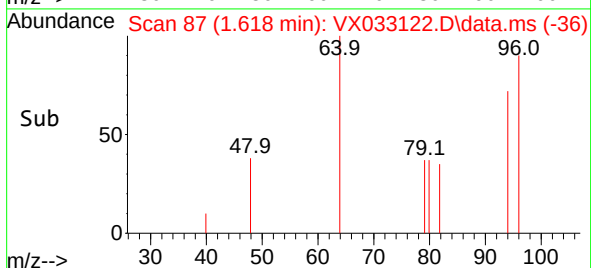
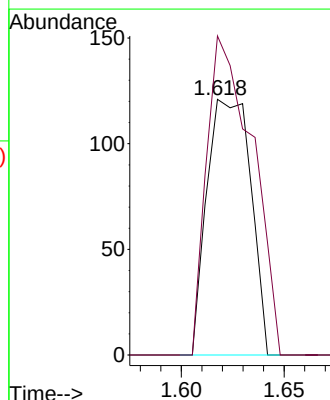
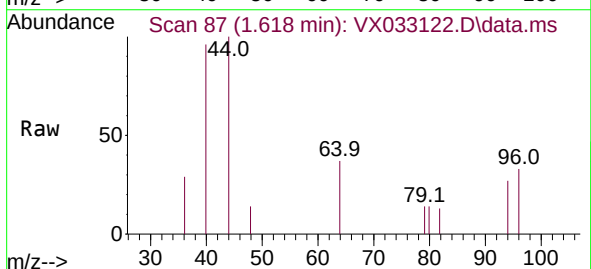
Instrument :
MSVOA_X
ClientSampleId :
VX1130MBL01

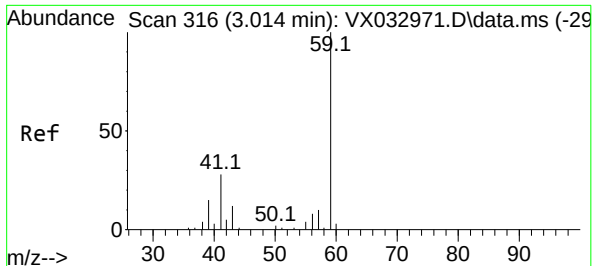
Tgt Ion:168 Resp: 104624
Ion Ratio Lower Upper
168 100
99 56.8 46.1 69.1



#5
Bromomethane
Concen: 0.251 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.013 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 124.8 77.6 116.4#

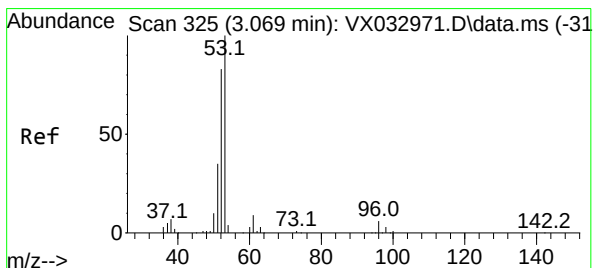
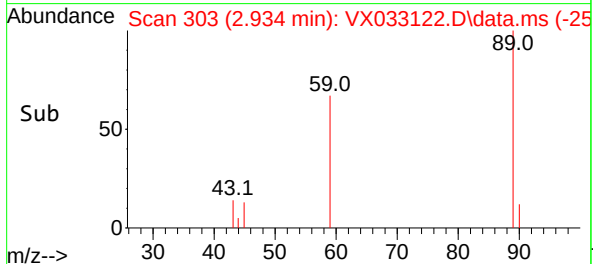
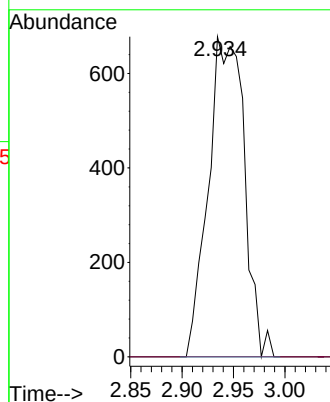
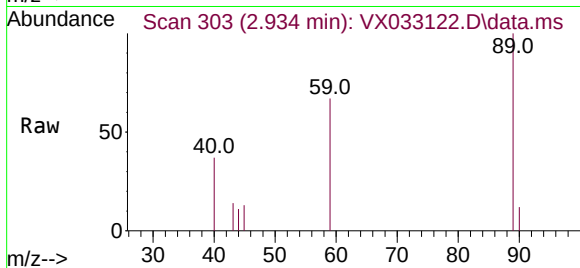




#11
Tert butyl alcohol
Concen: 10.197 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.031 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

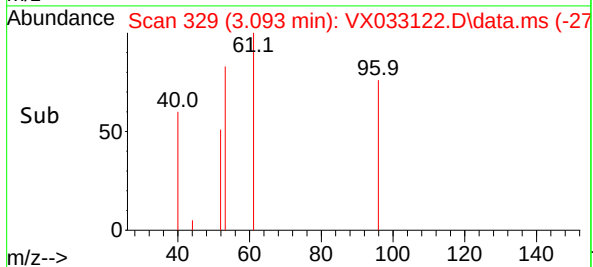
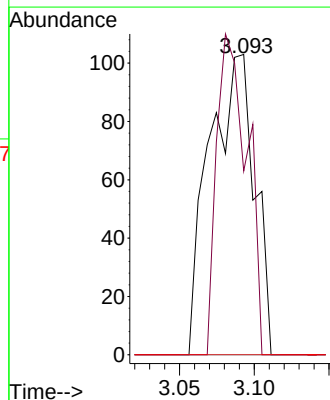
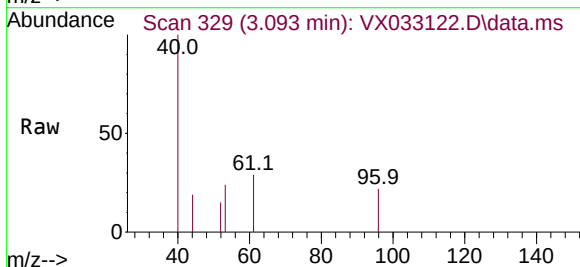
Instrument :
MSVOA_X
ClientSampleId :
VX1130MBL01

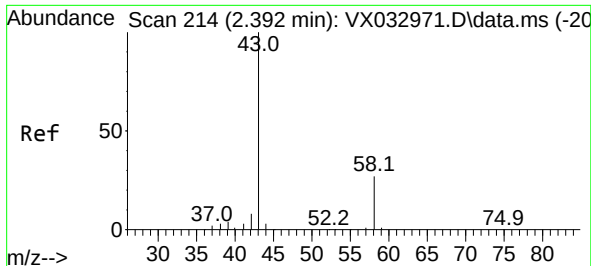
Tgt Ion: 59 Resp: 1647
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#15
Acrylonitrile
Concen: 0.473 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.031 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

Tgt Ion: 53 Resp: 216
Ion Ratio Lower Upper
53 100
52 71.8 67.4 101.0
51 0.0 30.3 45.5#

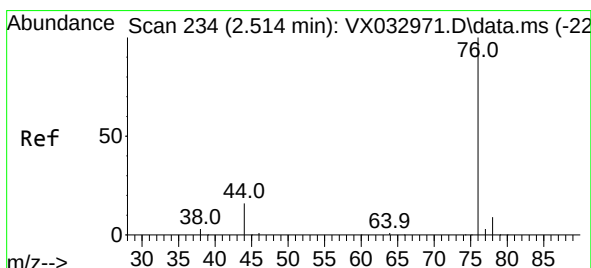
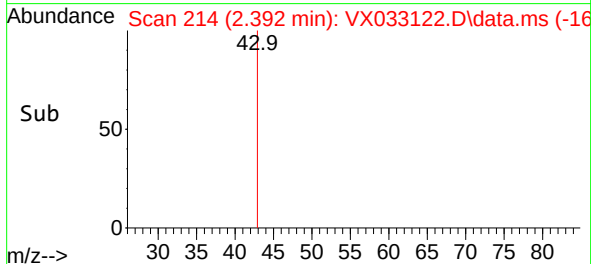
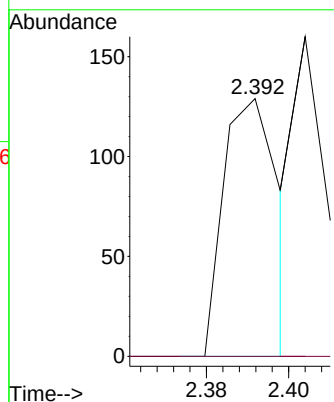
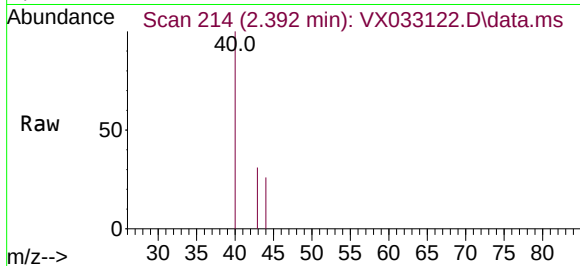




#16
Acetone
Concen: 0.252 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

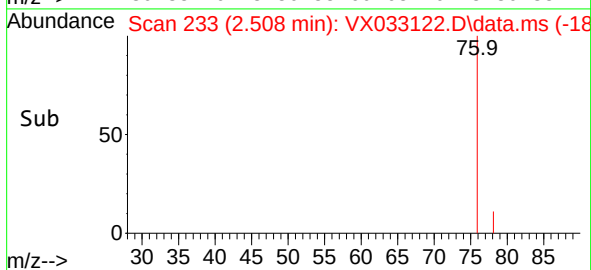
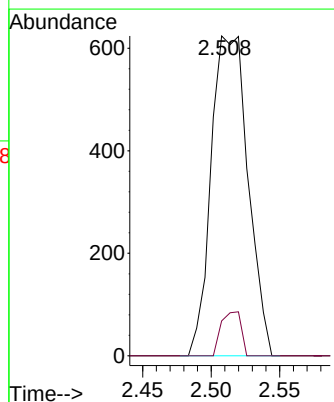
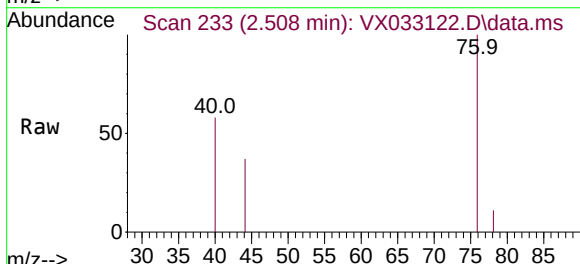
Instrument :
MSVOA_X
ClientSampleId :
VX1130MBL01

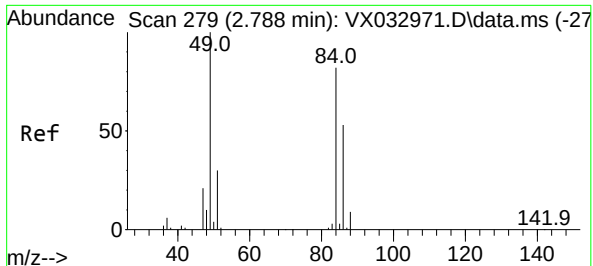
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.463 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

Tgt Ion: 76 Resp: 1169
Ion Ratio Lower Upper
76 100
78 10.9 7.5 11.3





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033122.D

Acq: 30 Nov 2022 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX1130MBL01

Tgt Ion: 84 Resp: 581

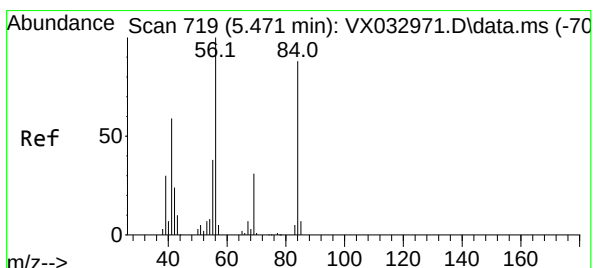
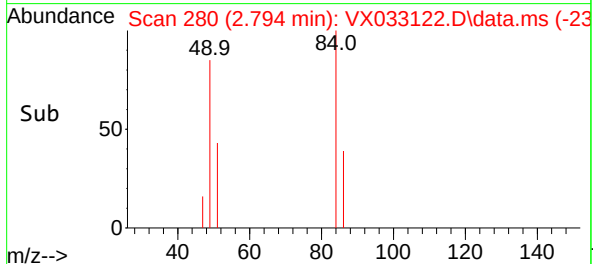
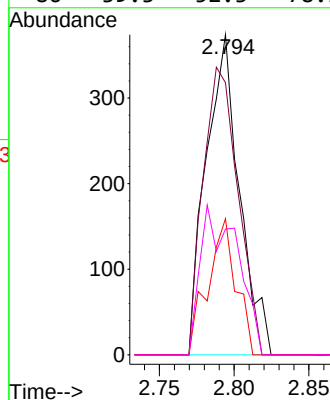
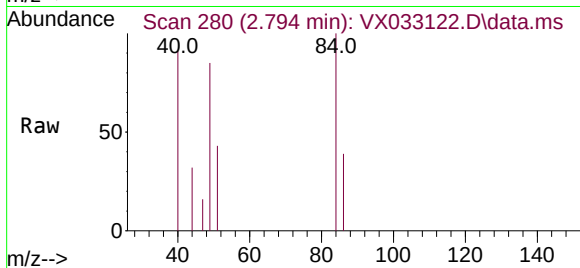
Ion Ratio Lower Upper

84 100

49 85.0 101.0 151.6#

51 42.5 31.1 46.7

86 39.3 52.3 78.5#



#31

Cyclohexane

Concen: 1.317 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX033122.D

Acq: 30 Nov 2022 10:17

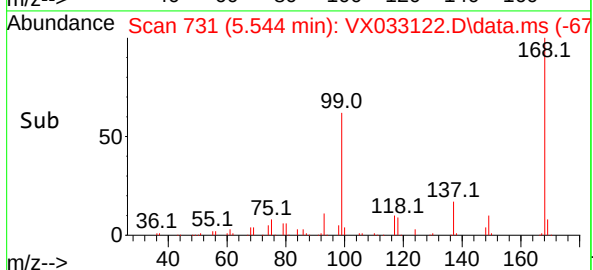
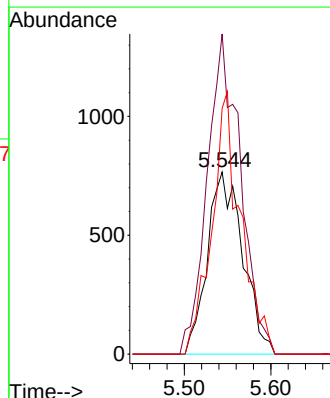
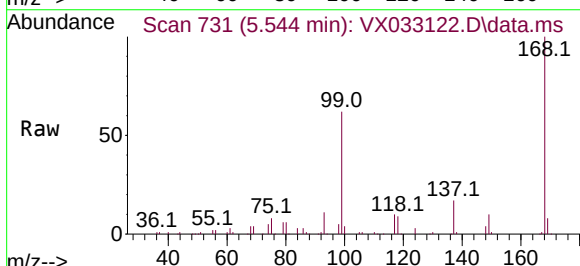
Tgt Ion: 56 Resp: 2175

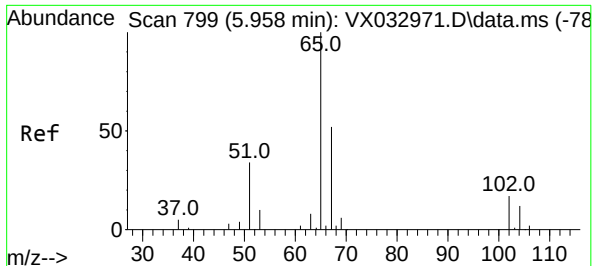
Ion Ratio Lower Upper

56 100

69 175.8 24.1 36.1#

84 134.9 66.9 100.3#

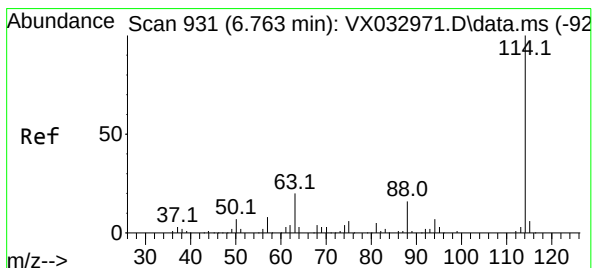
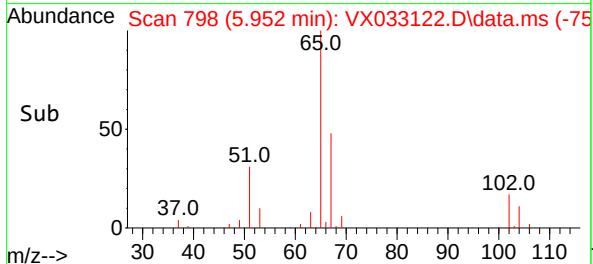
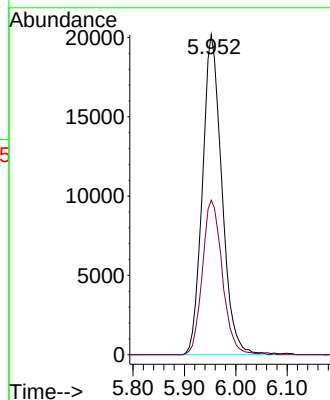
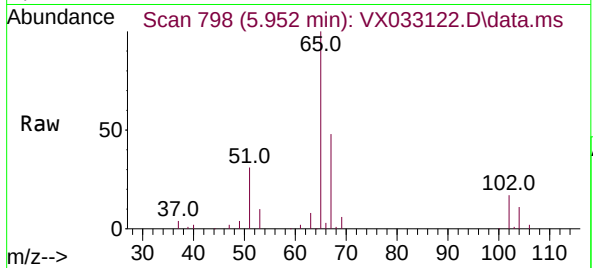




#33
 1,2-Dichloroethane-d4
 Concen: 51.888 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX033122.D
 Acq: 30 Nov 2022 10:17

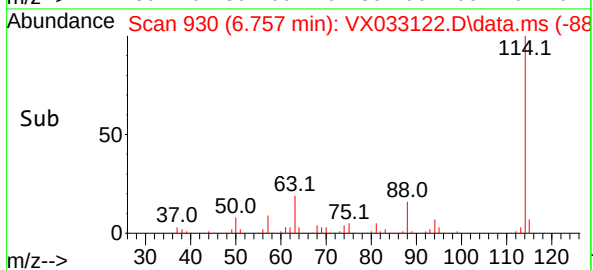
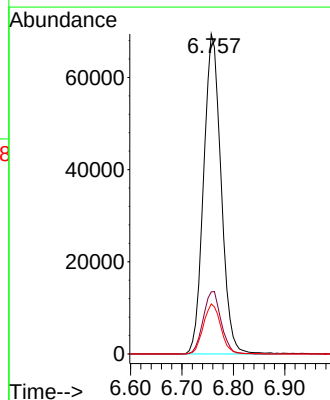
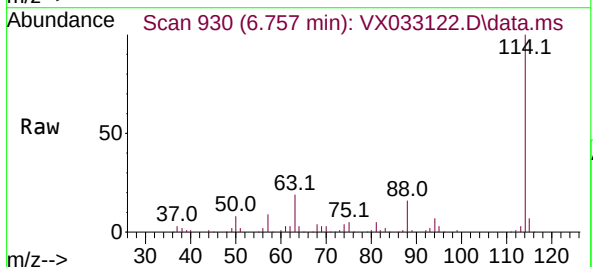
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1130MBL01

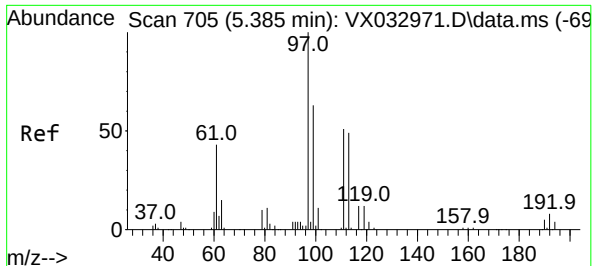
Tgt Ion: 65 Resp: 52926
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX033122.D
 Acq: 30 Nov 2022 10:17

Tgt Ion: 114 Resp: 163660
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.6
 88 15.7 0.0 33.4

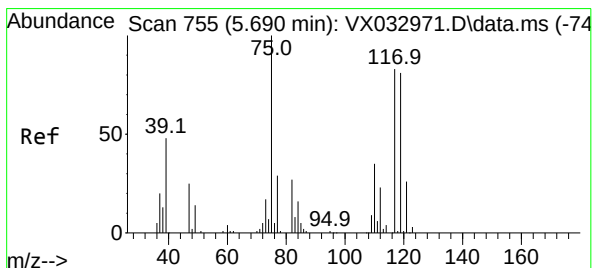
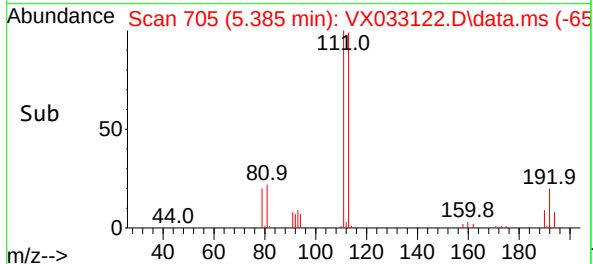
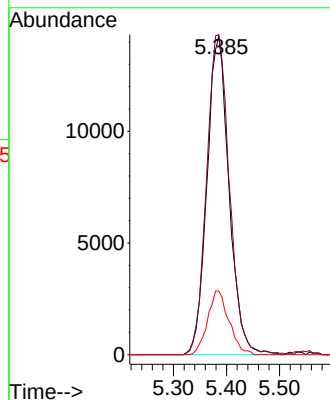
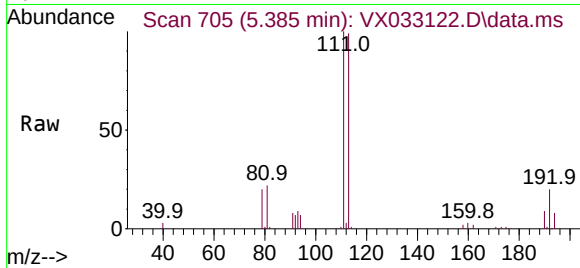




#35
Dibromofluoromethane
Concen: 44.656 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

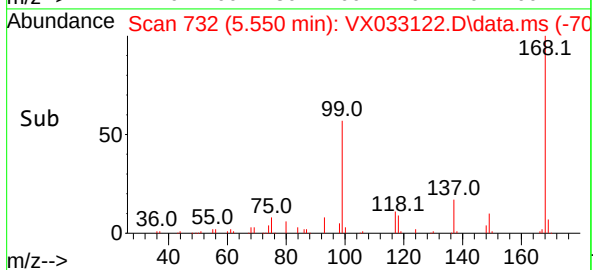
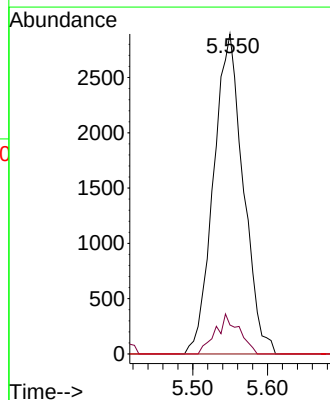
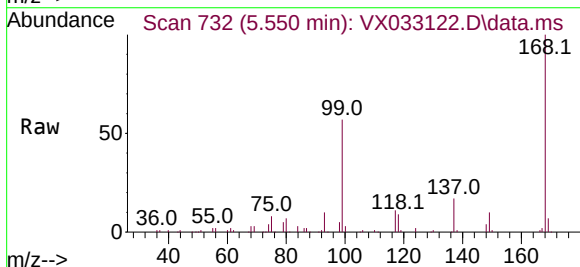
Instrument :
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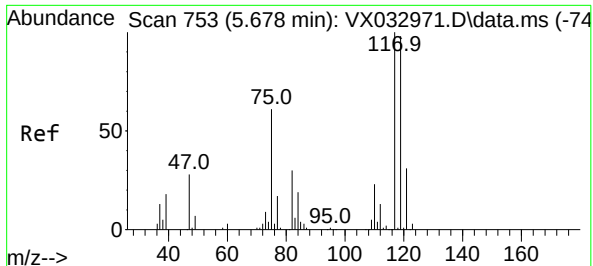
Tgt Ion:113 Resp: 41202
Ion Ratio Lower Upper
113 100
111 104.2 82.4 123.6
192 19.4 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.432 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

Tgt Ion: 75 Resp: 8014
Ion Ratio Lower Upper
75 100
110 9.9 18.4 55.2#
77 0.0 24.5 36.7#

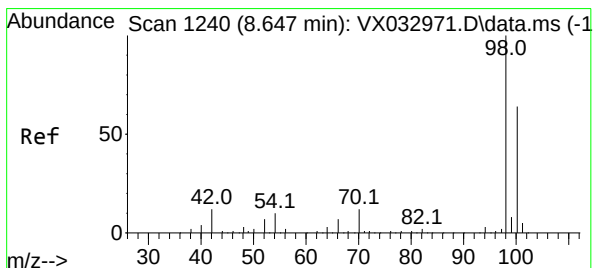
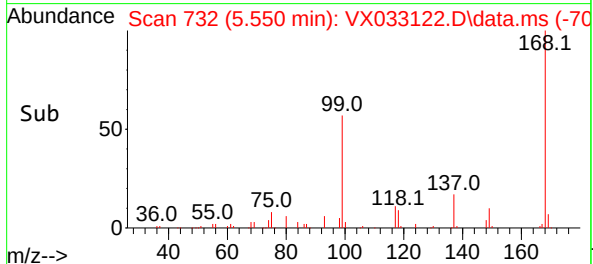
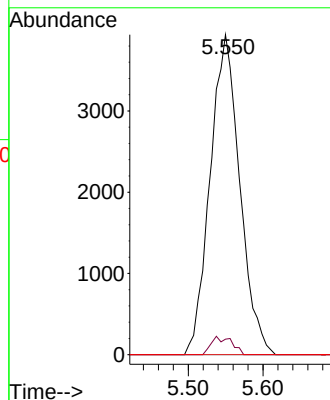
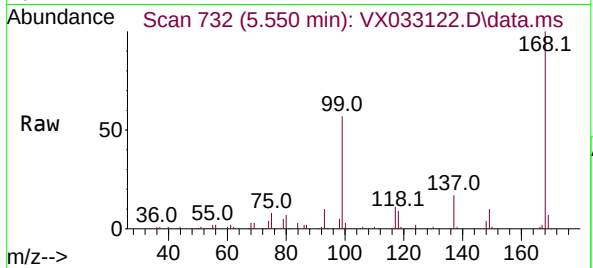




#38
Carbon Tetrachloride
Concen: 6.645 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

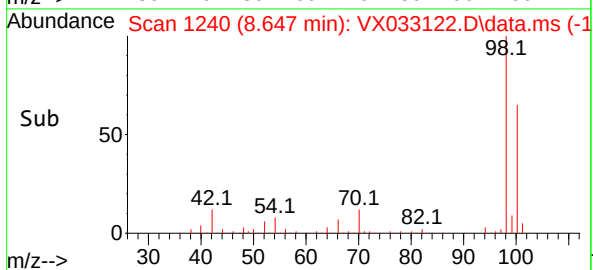
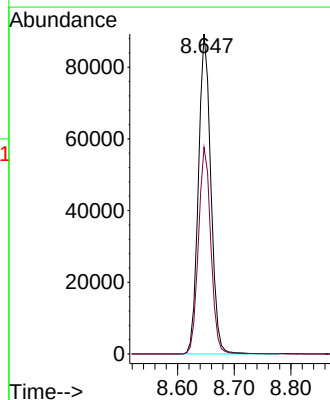
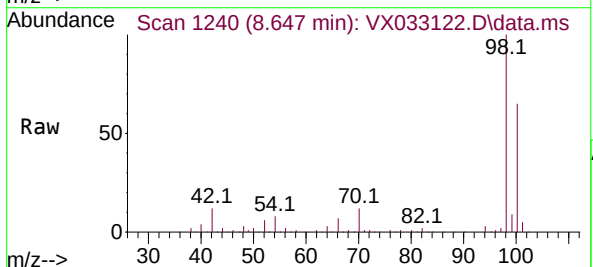
Instrument :
MSVOA_X
ClientSampleId :
VX1130MBL01

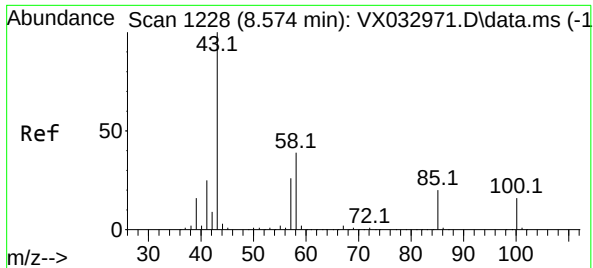
Tgt Ion:117 Resp: 10876
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.901 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

Tgt Ion: 98 Resp: 135886
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.499 ug/l

RT: 8.641 min Scan# 1176

Delta R.T. 0.067 min

Lab File: VX033122.D

Acq: 30 Nov 2022 10:17

Instrument :

MSVOA_X

ClientSampleId :

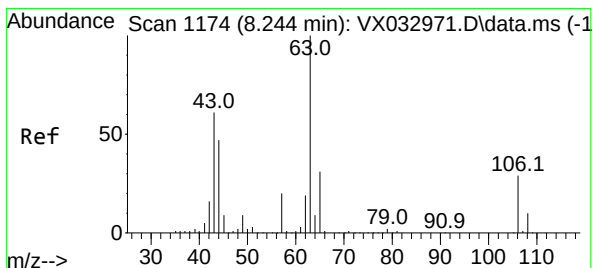
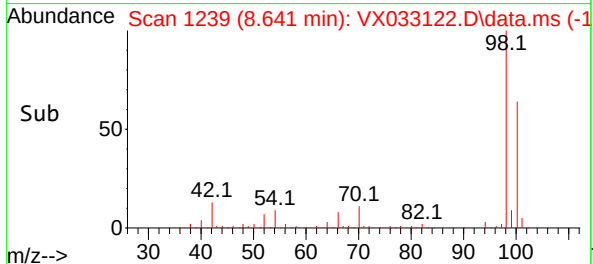
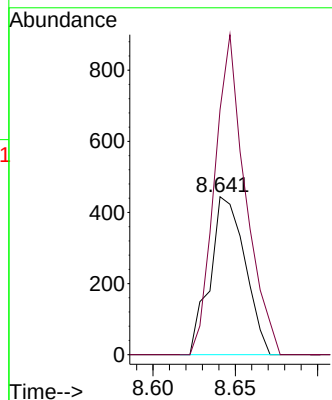
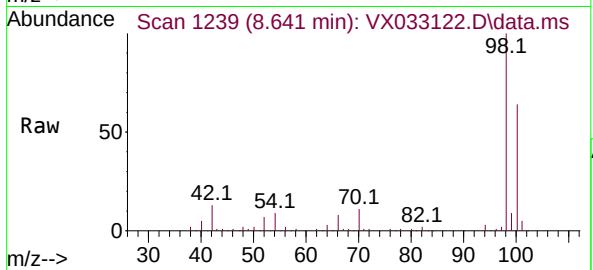
VX1130MBL01

Tgt Ion: 43 Resp: 655

Ion Ratio Lower Upper

43 100

58 179.2 30.9 46.3#



#58

2-Chloroethyl Vinyl ether

Concen: 0.401 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.013 min

Lab File: VX033122.D

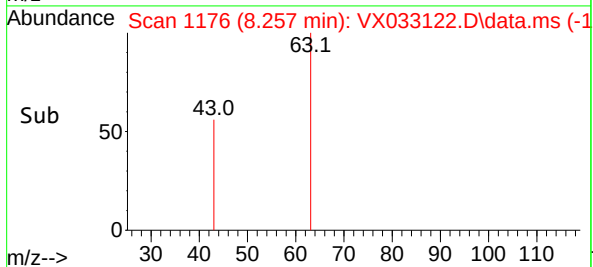
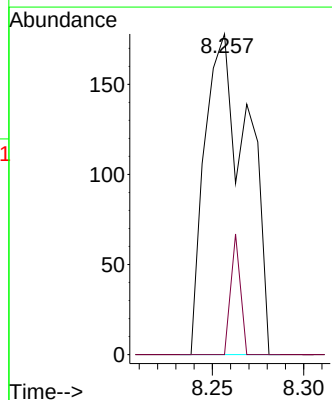
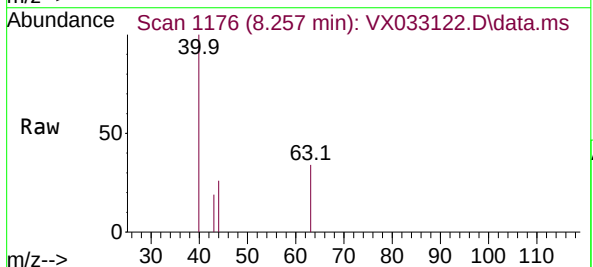
Acq: 30 Nov 2022 10:17

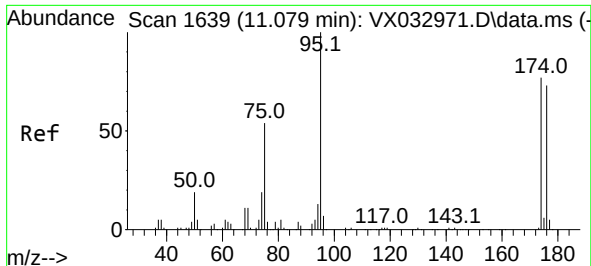
Tgt Ion: 63 Resp: 291

Ion Ratio Lower Upper

63 100

106 8.6 23.3 34.9#

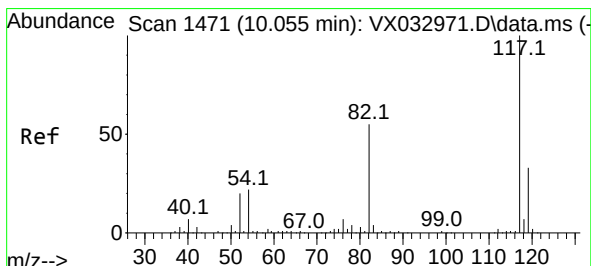
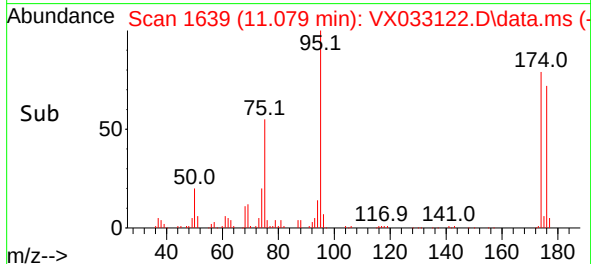
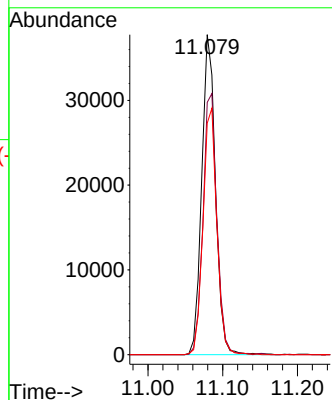
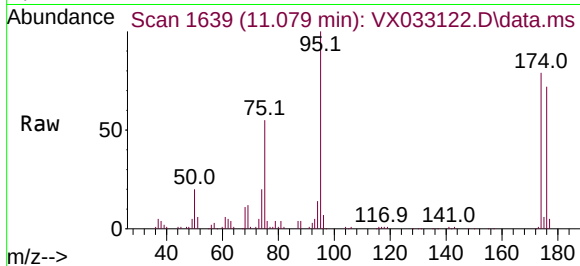




#62
4-Bromofluorobenzene
Concen: 39.745 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

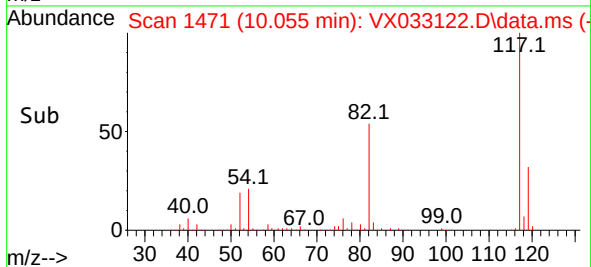
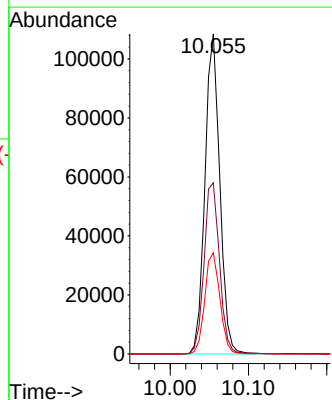
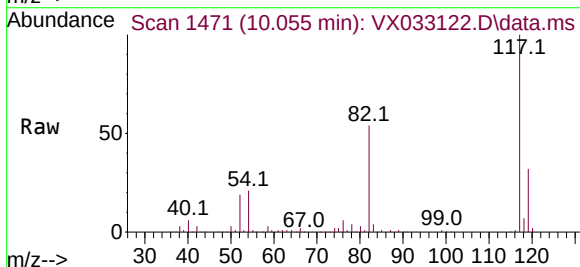
Instrument :
MSVOA_X
ClientSampleId :
VX1130MBL01

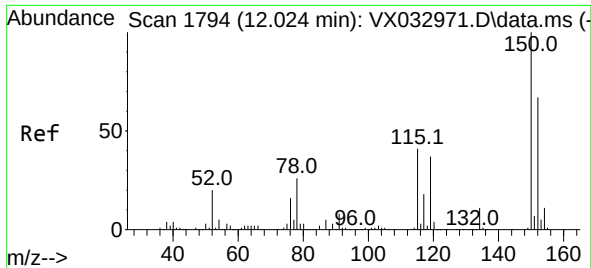
Tgt Ion: 95 Resp: 48171
Ion Ratio Lower Upper
95 100
174 82.5 0.0 164.0
176 77.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

Tgt Ion: 117 Resp: 142473
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 31.6 25.7 38.5

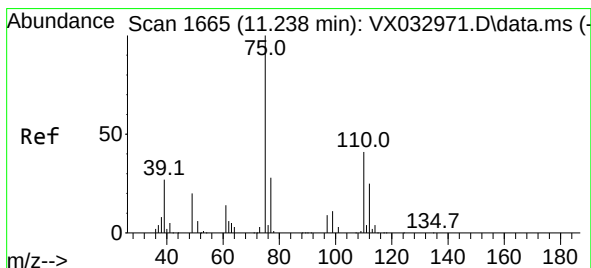
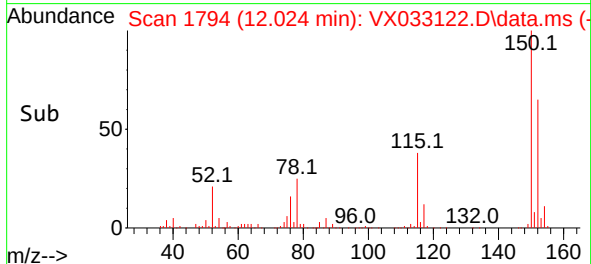
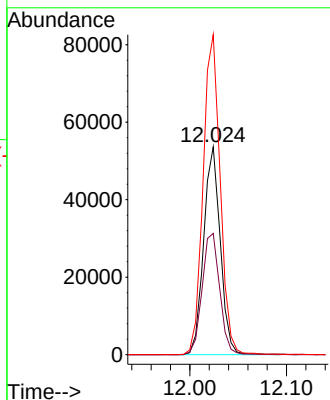
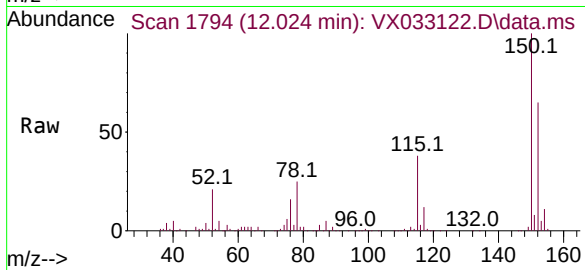




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033122.D
 Acq: 30 Nov 2022 10:17

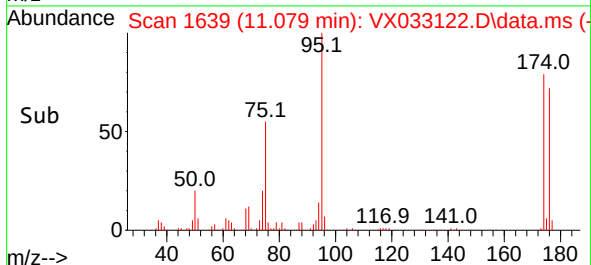
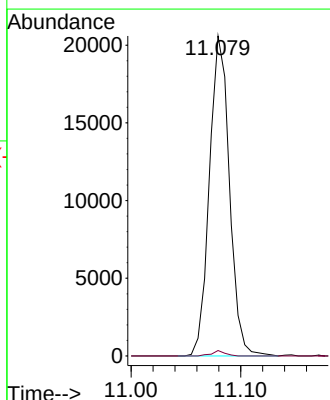
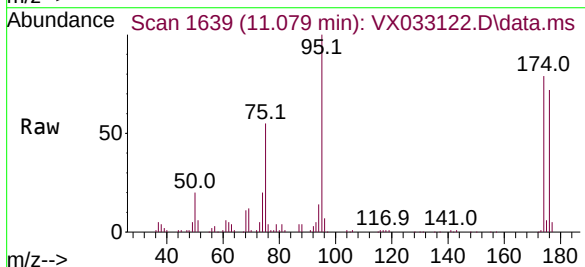
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1130MBL01

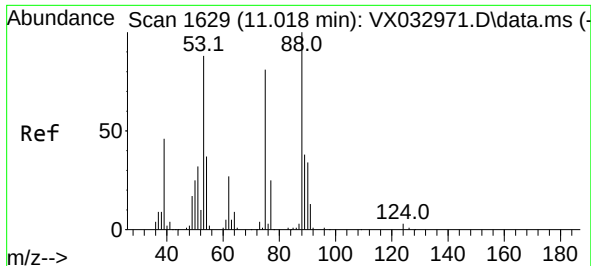
Tgt Ion:152 Resp: 64220
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.0 132.0
 150 158.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 21.510 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX033122.D
 Acq: 30 Nov 2022 10:17

Tgt Ion: 75 Resp: 26161
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 60.0#

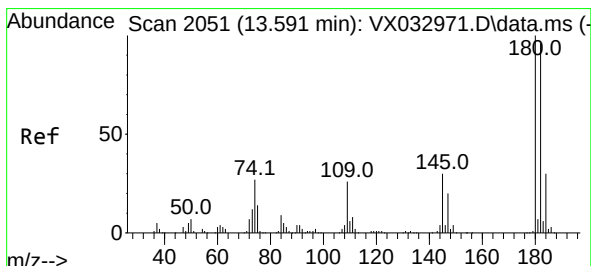
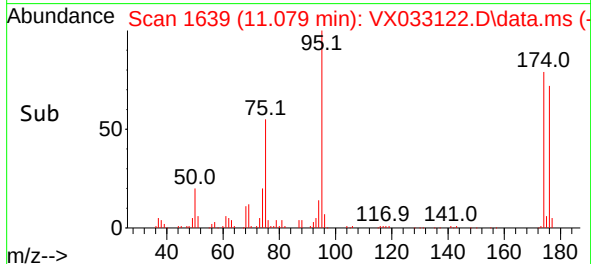
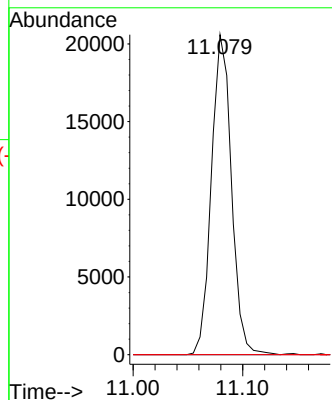
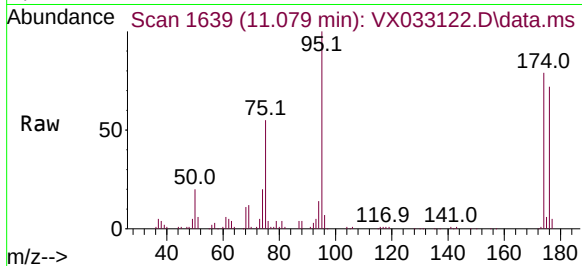




#81
trans-1,4-Dichloro-2-butene
Concen: 69.917 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

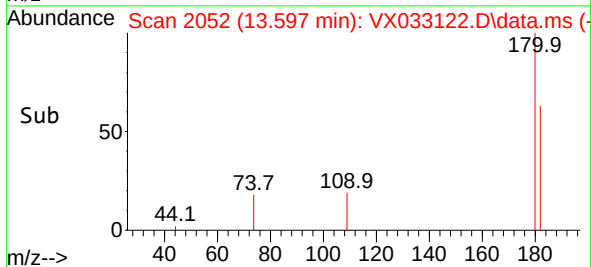
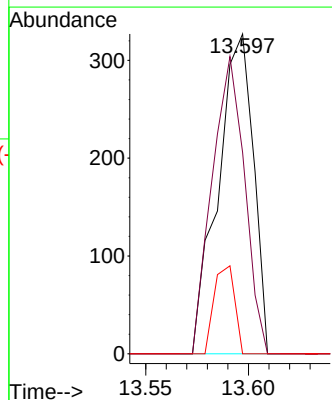
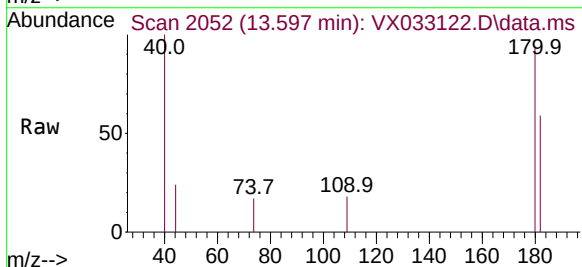
Instrument :
MSVOA_X
ClientSampleId :
VX1130MBL01

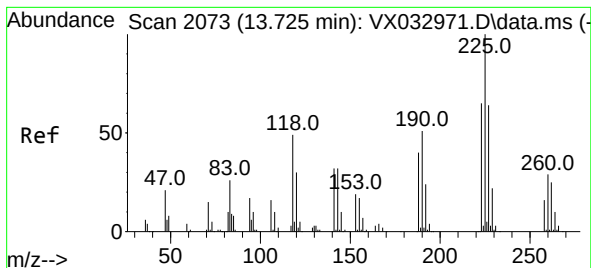
Tgt Ion: 75 Resp: 26161
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.309 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX033122.D
Acq: 30 Nov 2022 10:17

Tgt Ion:180 Resp: 392
Ion Ratio Lower Upper
180 100
182 85.2 48.4 145.0
145 16.1 16.2 48.5#





#94

Hexachlorobutadiene

Concen: 1.077 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX033122.D

Acq: 30 Nov 2022 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX1130MBL01

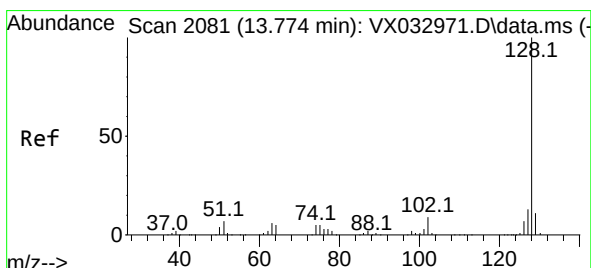
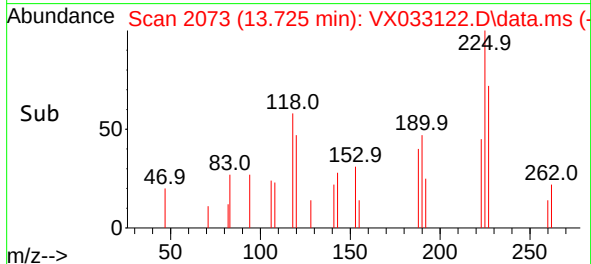
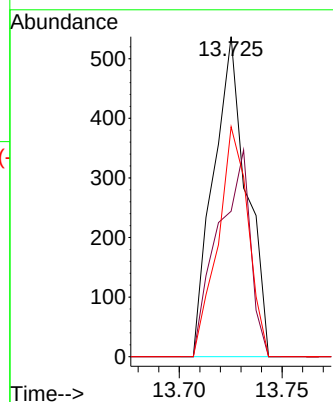
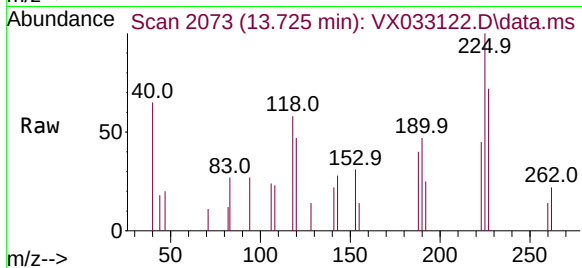
Tgt Ion:225 Resp: 603

Ion Ratio Lower Upper

225 100

223 62.5 31.9 95.9

227 65.5 31.9 95.5



#95

Naphthalene

Concen: 0.342 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX033122.D

Acq: 30 Nov 2022 10:17

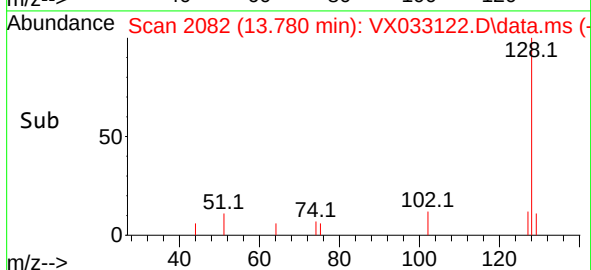
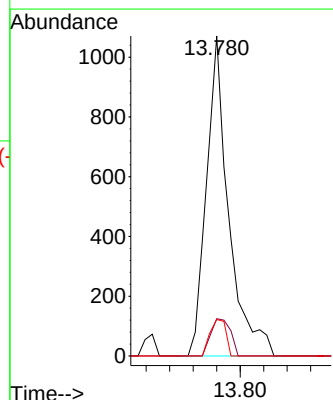
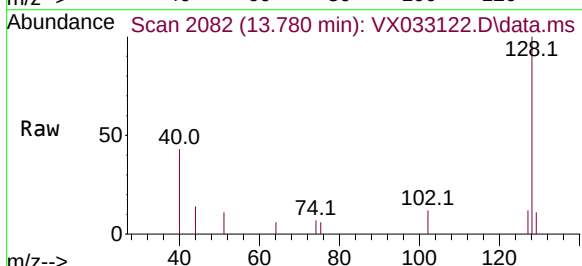
Tgt Ion:128 Resp: 1404

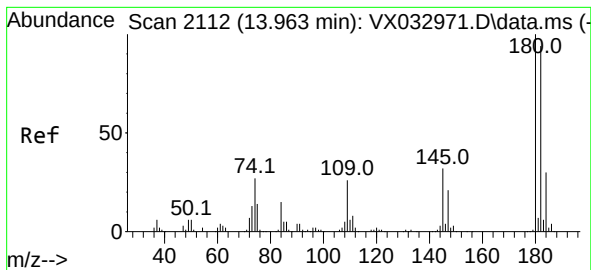
Ion Ratio Lower Upper

128 100

127 10.3 10.2 15.4

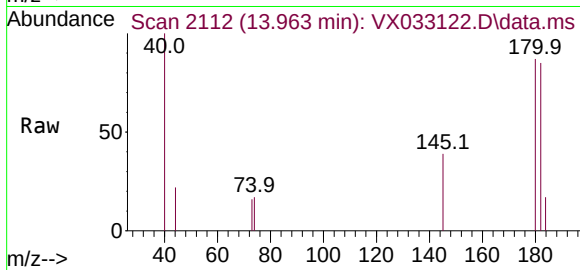
129 8.1 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.346 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX033122.D
 Acq: 30 Nov 2022 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1130MBL01



Tgt Ion:180	Resp:	440
Ion	Ratio	Lower Upper
180	100	
182	92.0	47.5 142.6
145	30.5	16.9 50.6

