

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040323\
 Data File : VX034931.D
 Acq On : 03 Apr 2023 14:47
 Operator : JC/MD
 Sample : 02164-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-2TW

Quant Time: Apr 03 21:38:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

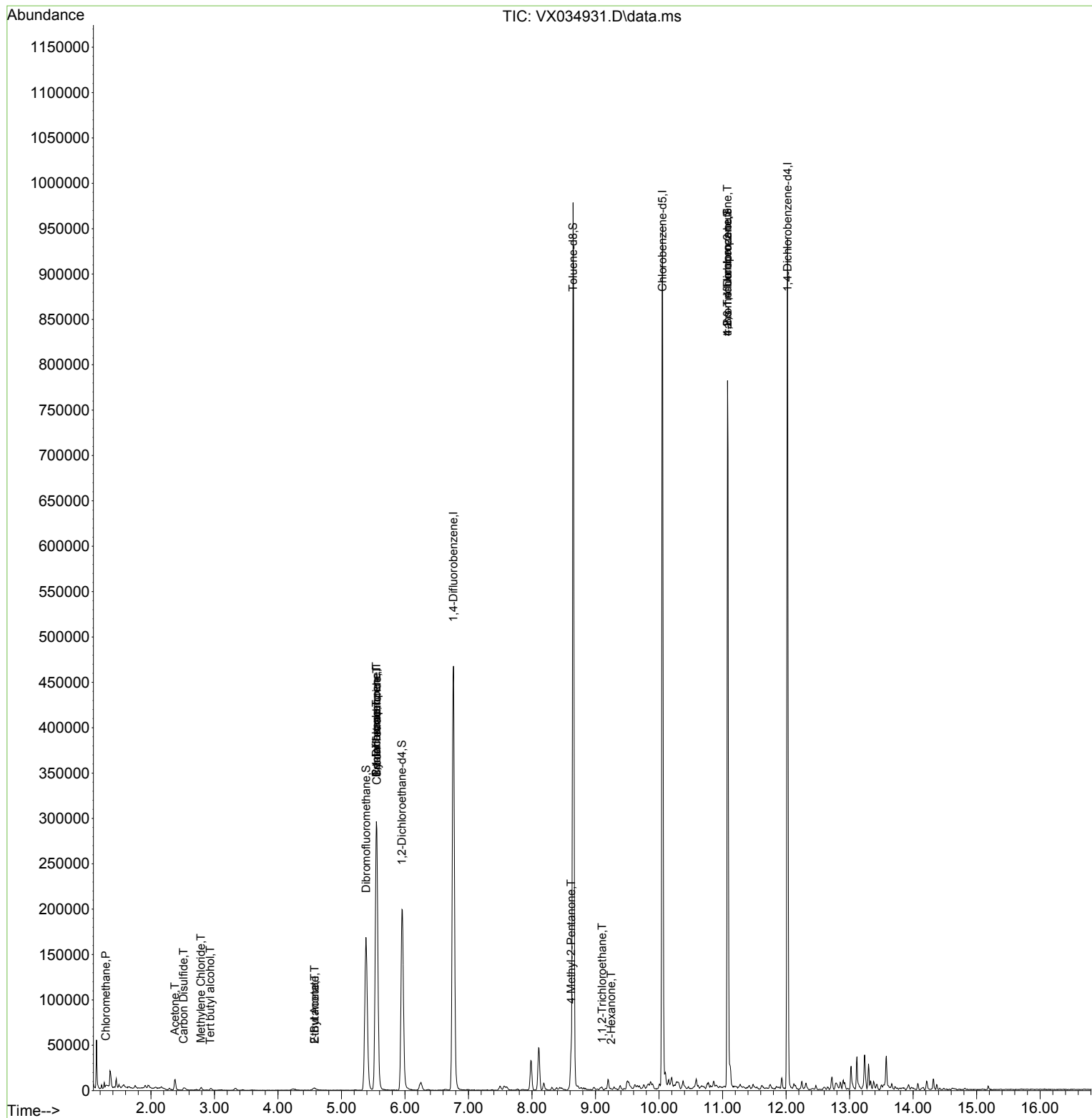
Internal Standards						
1) Pentafluorobenzene	5.550	168	264842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	463616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	188282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	204626	50.520	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.040%			
35) Dibromofluoromethane	5.385	113	143518	46.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.600%			
50) Toluene-d8	8.646	98	555307	49.062	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.120%			
62) 4-Bromofluorobenzene	11.079	95	212687	48.559	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	733	0.222	ug/l #	42
11) Tert butyl alcohol	2.934	59	1495	2.104	ug/l #	73
16) Acetone	2.379	43	13479	8.192	ug/l	89
17) Carbon Disulfide	2.513	76	2207	0.324	ug/l	99
20) Methylene Chloride	2.788	84	1331	0.410	ug/l	96
25) 2-Butanone	4.574	43	3038	1.269	ug/l #	63
31) Cyclohexane	5.550	56	7064	1.432	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	23061	5.076	ug/l #	50
37) Ethyl Acetate	4.574	43	3038	0.640	ug/l #	70
38) Carbon Tetrachloride	5.556	117	29502	6.888	ug/l #	16
51) 4-Methyl-2-Pentanone	8.616	43	6929	1.473	ug/l #	37
55) 1,1,2-Trichloroethane	9.104	97	1051	0.327	ug/l #	15
59) 2-Hexanone	9.244	43	904	0.254	ug/l	68
76) 1,2,3-Trichloropropane	11.079	75	113131	29.820	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	113131	89.370	ug/l #	8

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

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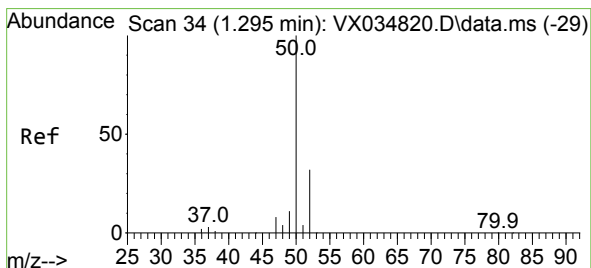
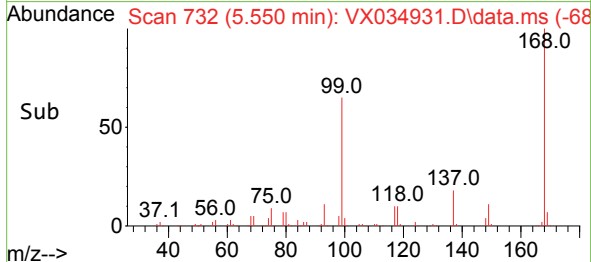
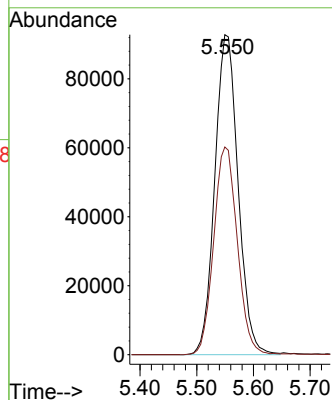
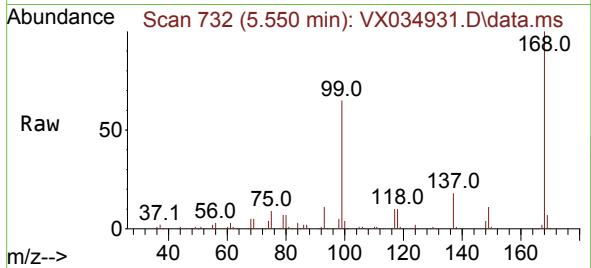




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

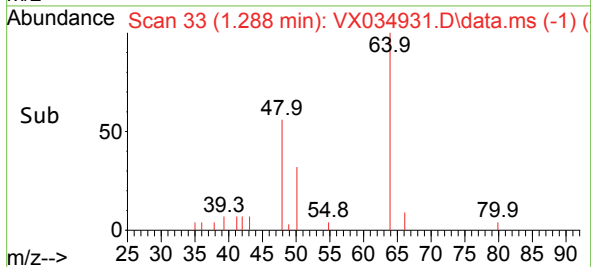
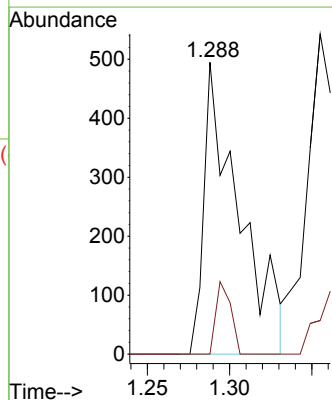
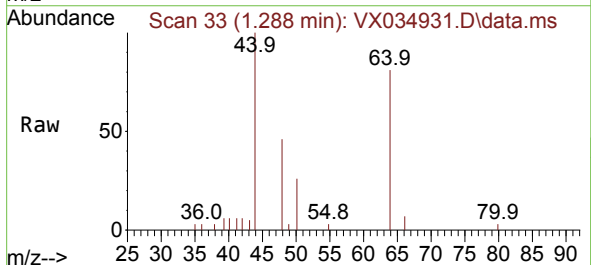
Instrument :
MSVOA_X
ClientSampleId :
SB-2TW

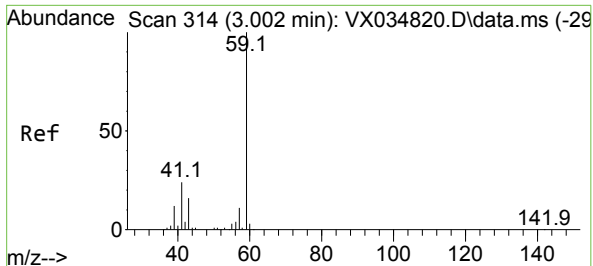
Tgt Ion:168 Resp: 264842
Ion Ratio Lower Upper
168 100
99 64.9 45.7 68.5



#3
Chloromethane
Concen: 0.222 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

Tgt Ion: 50 Resp: 733
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.104 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.067 min

Lab File: VX034931.D

Acq: 03 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

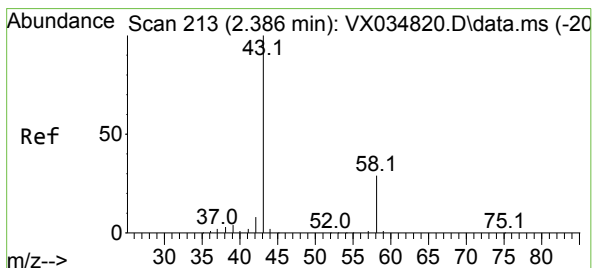
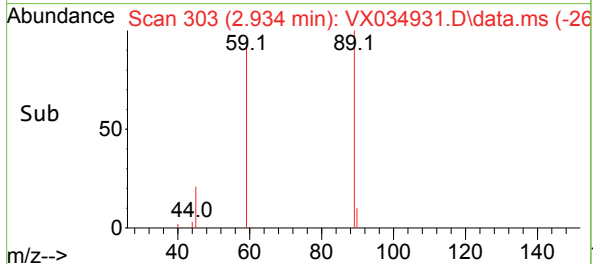
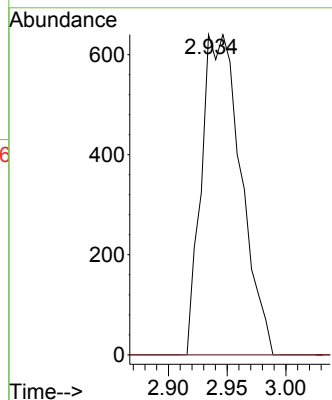
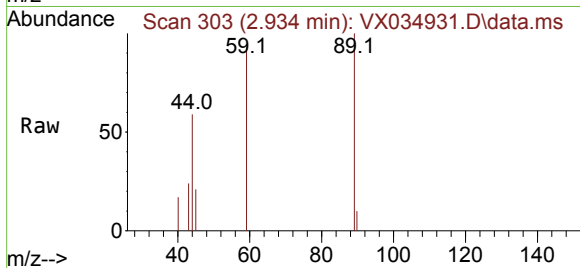
SB-2TW

Tgt Ion: 59 Resp: 1495

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 8.192 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX034931.D

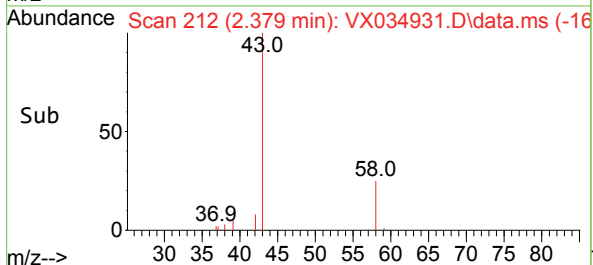
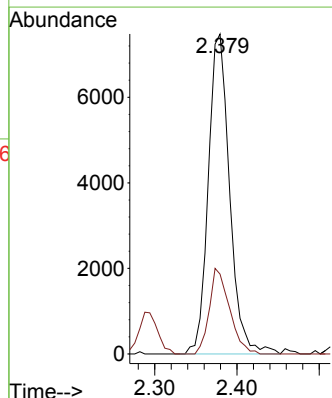
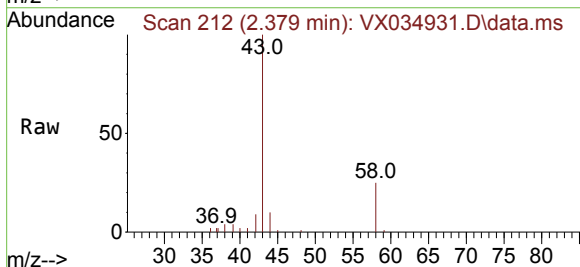
Acq: 03 Apr 2023 14:47

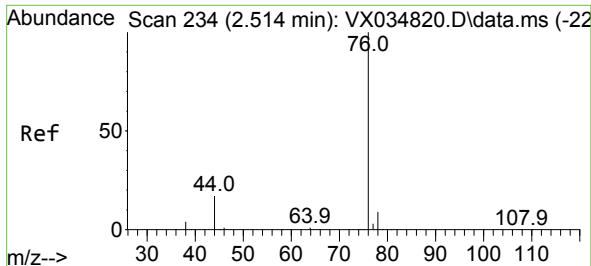
Tgt Ion: 43 Resp: 13479

Ion Ratio Lower Upper

43 100

58 24.9 24.7 37.1





#17

Carbon Disulfide

Concen: 0.324 ug/l

RT: 2.513 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034931.D

Acq: 03 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

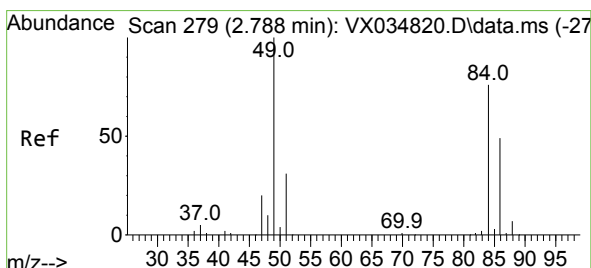
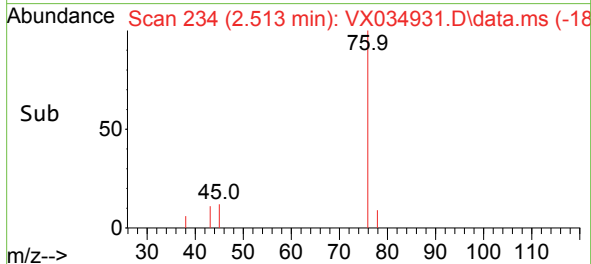
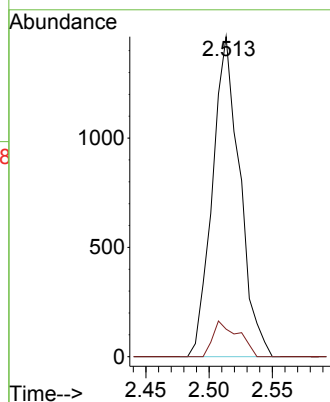
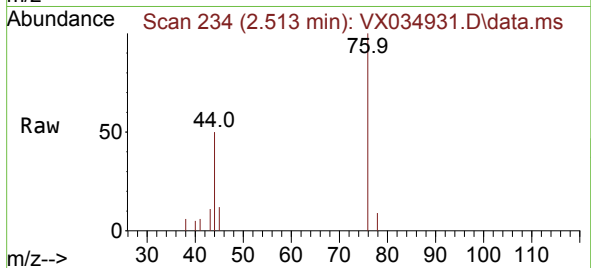
SB-2TW

Tgt Ion: 76 Resp: 2207

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



#20

Methylene Chloride

Concen: 0.410 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX034931.D

Acq: 03 Apr 2023 14:47

Tgt Ion: 84 Resp: 1331

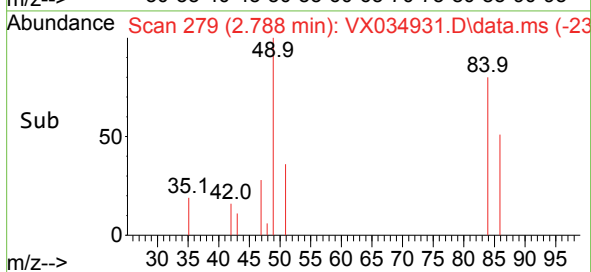
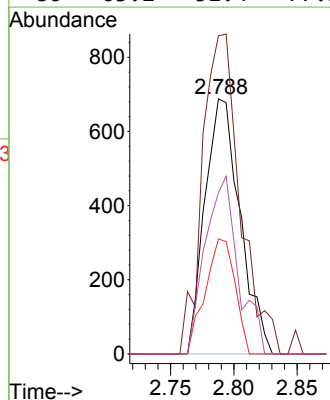
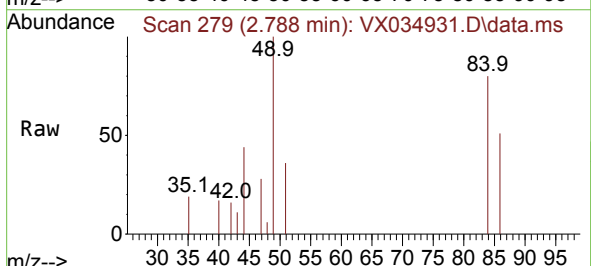
Ion Ratio Lower Upper

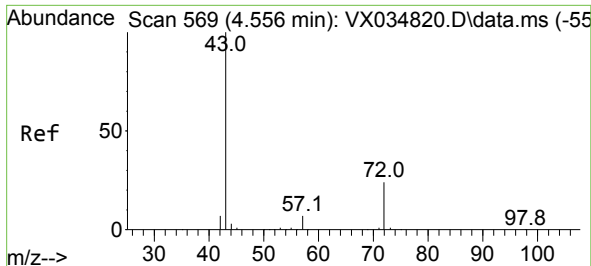
84 100

49 124.7 103.8 155.8

51 45.1 31.8 47.8

86 63.2 51.4 77.2

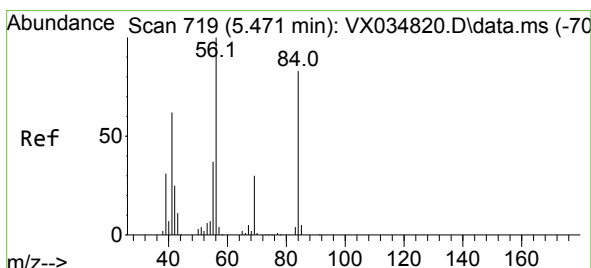
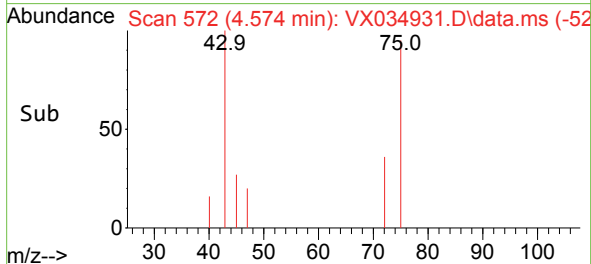
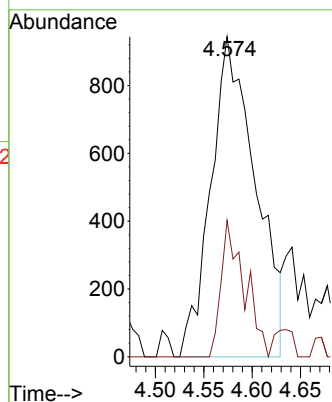
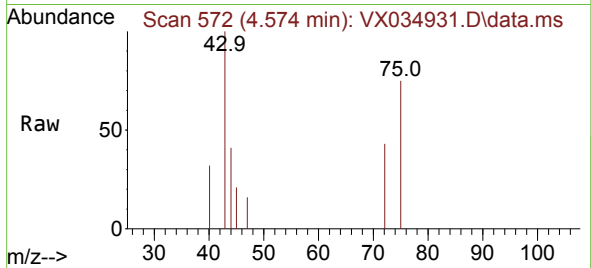




#25
2-Butanone
Concen: 1.269 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

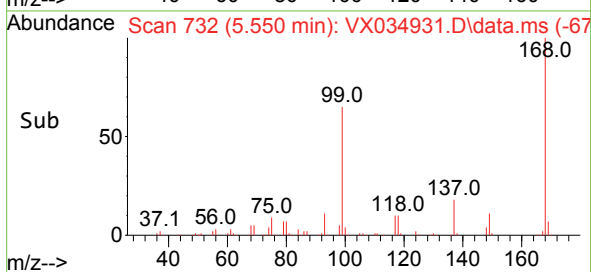
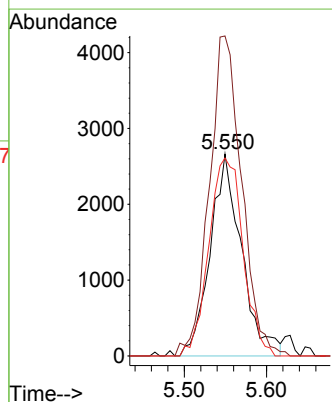
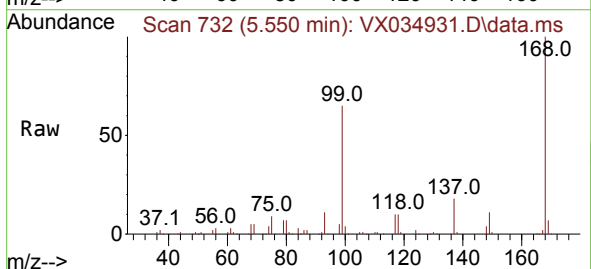
Instrument :
MSVOA_X
ClientSampleId :
SB-2TW

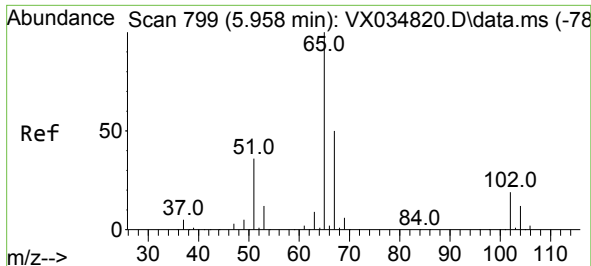
Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
72 42.6 19.3 28.9#



#31
Cyclohexane
Concen: 1.432 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

Tgt Ion: 56 Resp: 7064
Ion Ratio Lower Upper
56 100
69 156.3 23.7 35.5#
84 98.0 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 50.520 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX034931.D

Acq: 03 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

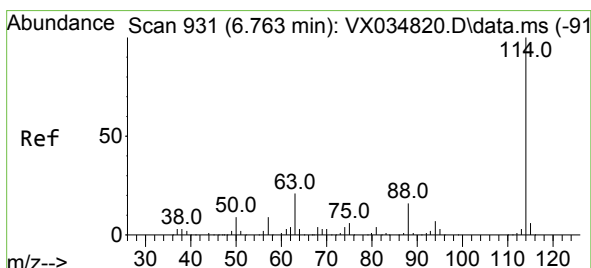
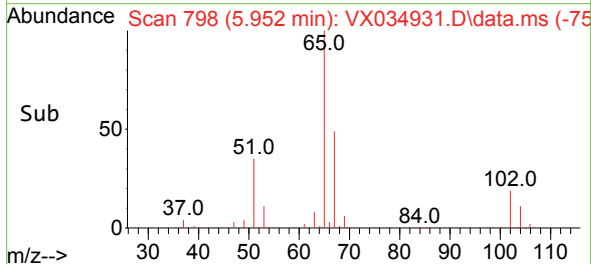
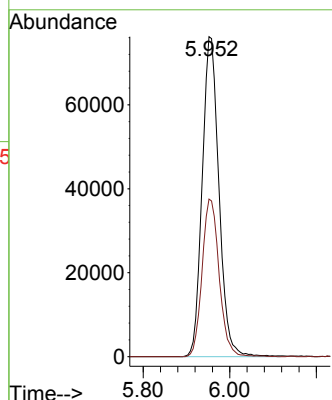
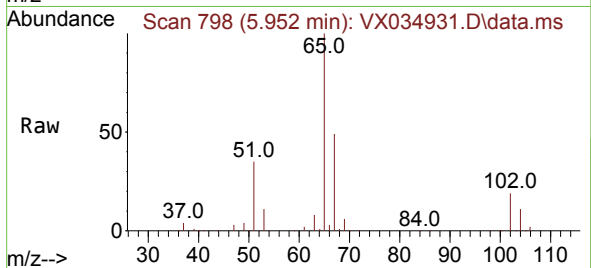
SB-2TW

Tgt Ion: 65 Resp: 204626

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX034931.D

Acq: 03 Apr 2023 14:47

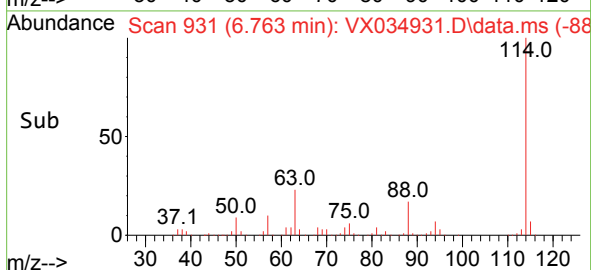
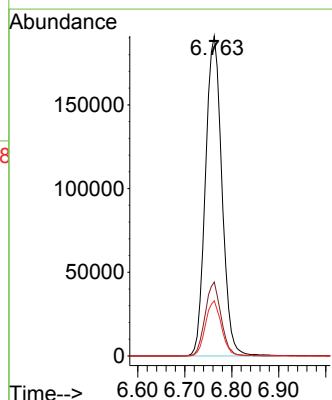
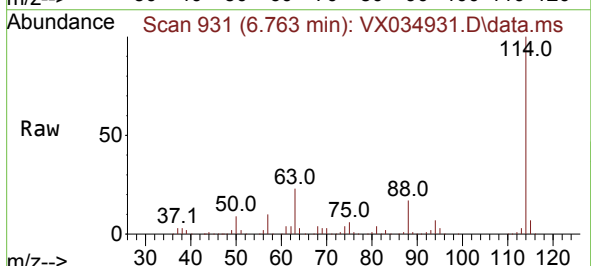
Tgt Ion: 114 Resp: 463616

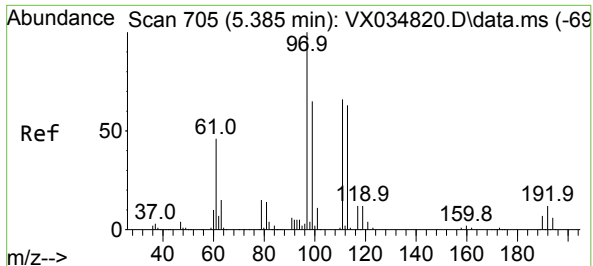
Ion Ratio Lower Upper

114 100

63 23.1 0.0 42.2

88 17.2 0.0 33.2

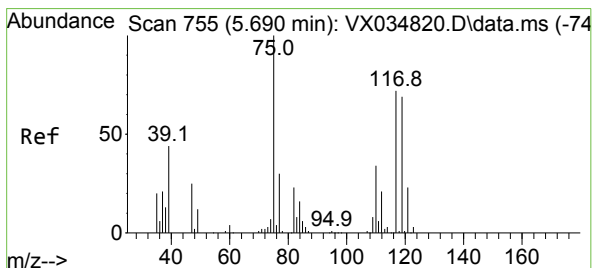
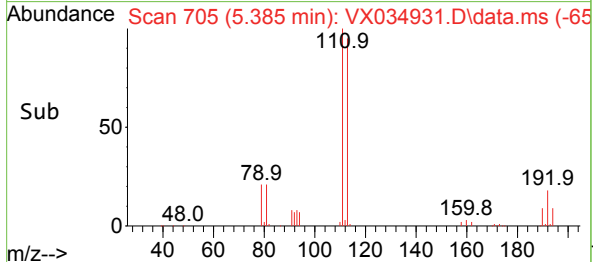
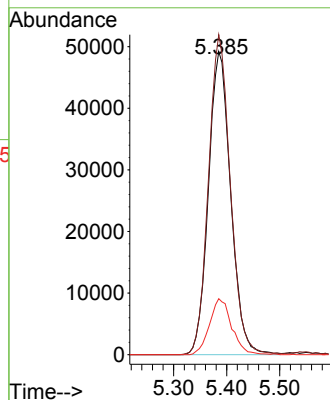
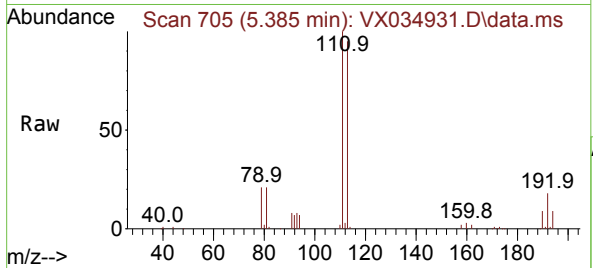




#35
Dibromofluoromethane
Concen: 46.803 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

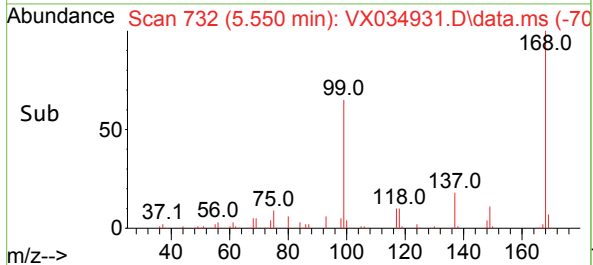
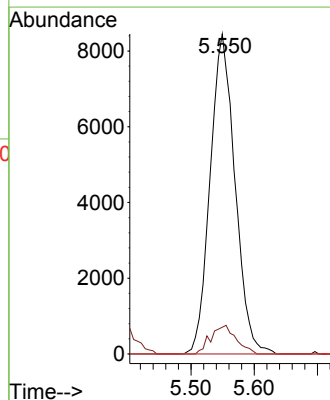
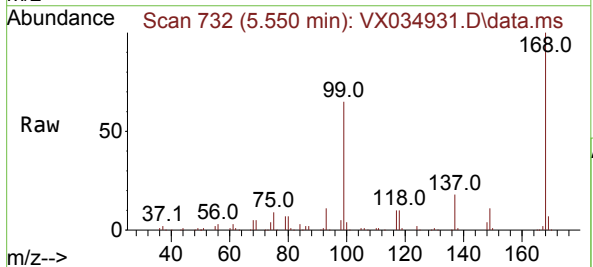
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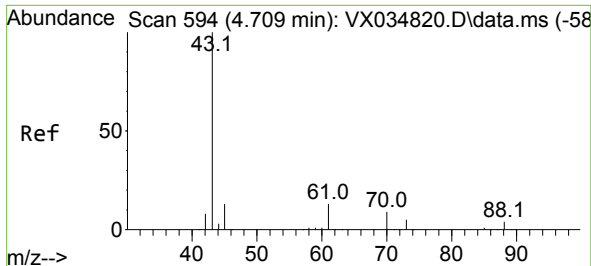
Tgt Ion:113 Resp: 143518
Ion Ratio Lower Upper
113 100
111 103.8 83.7 125.5
192 18.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

Tgt Ion: 75 Resp: 23061
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.640 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX034931.D

Acq: 03 Apr 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

SB-2TW

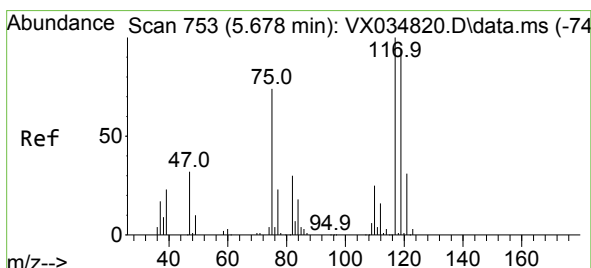
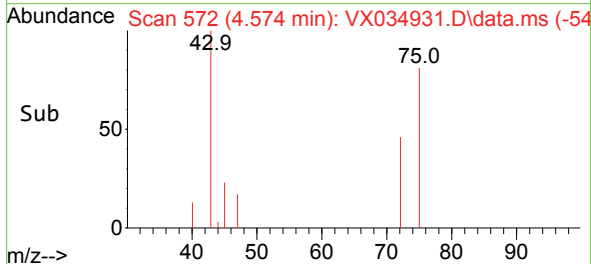
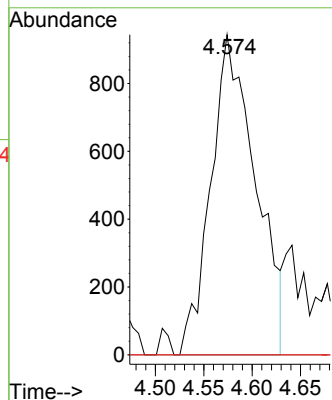
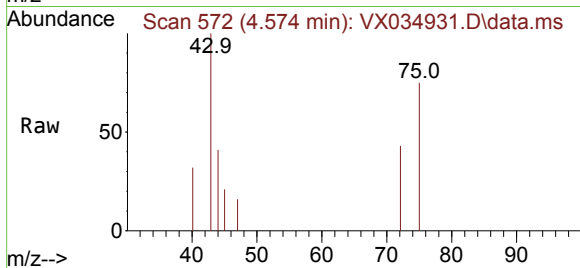
Tgt Ion: 43 Resp: 3038

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.888 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX034931.D

Acq: 03 Apr 2023 14:47

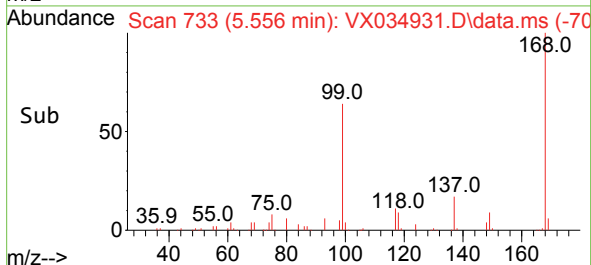
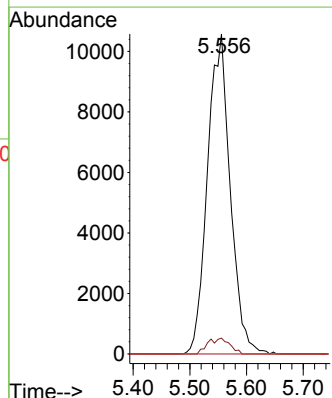
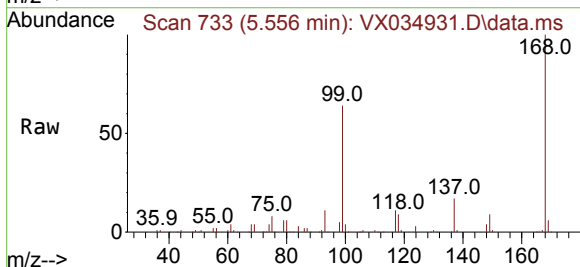
Tgt Ion: 117 Resp: 29502

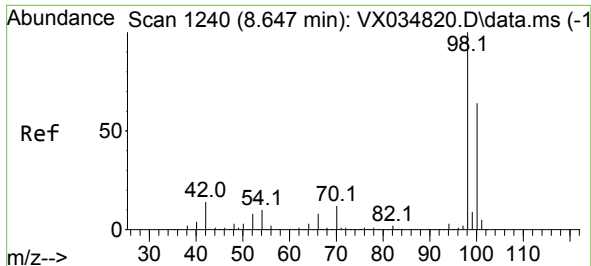
Ion Ratio Lower Upper

117 100

119 4.9 76.6 114.8#

121 0.0 23.8 35.6#

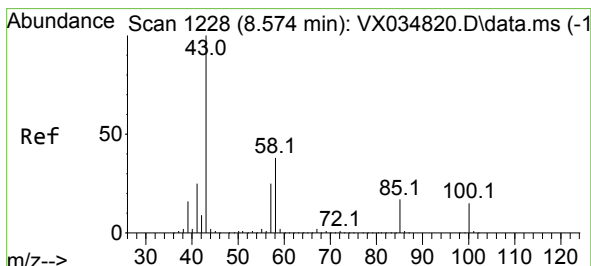
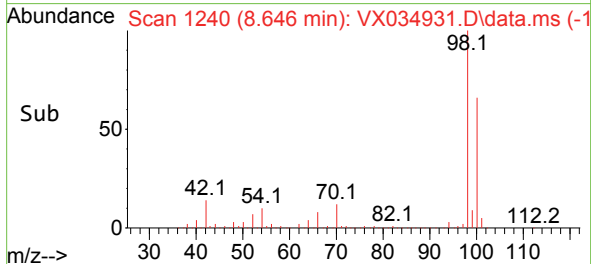
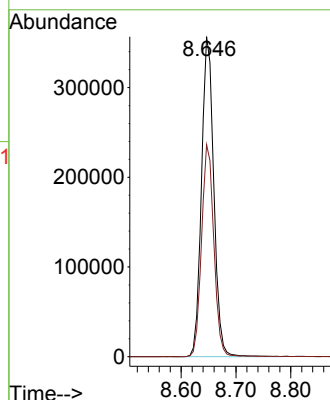
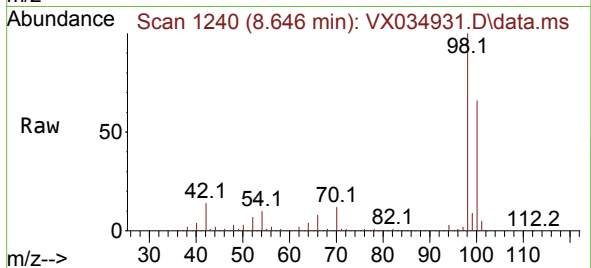




#50
Toluene-d8
Concen: 49.062 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

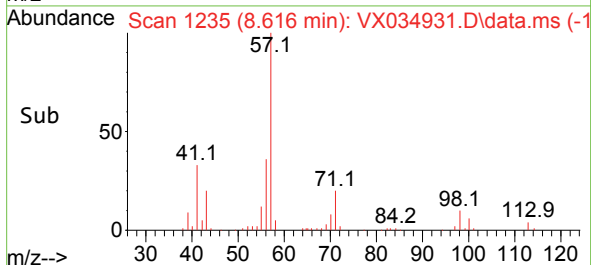
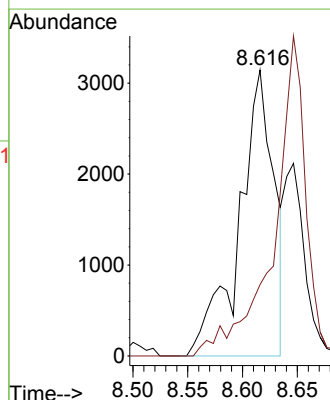
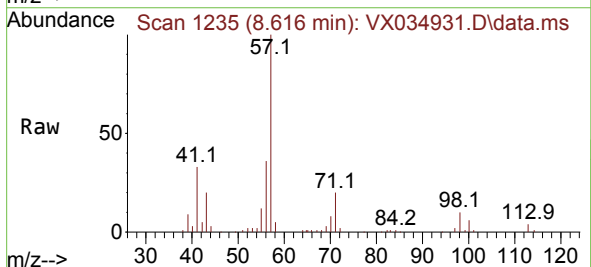
Instrument :
MSVOA_X
ClientSampleId :
SB-2TW

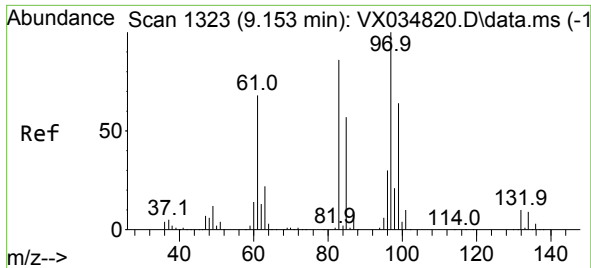
Tgt Ion: 98 Resp: 555307
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.473 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.042 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

Tgt Ion: 43 Resp: 6929
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#

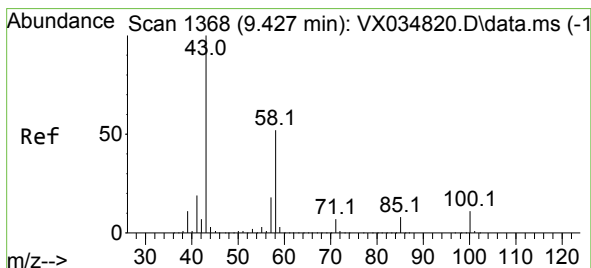
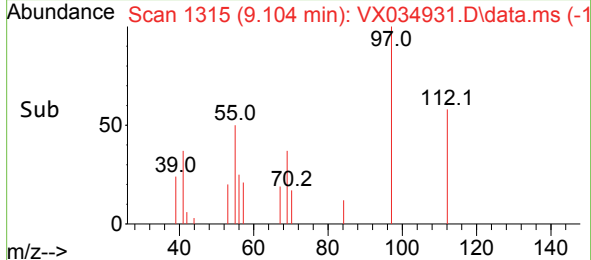
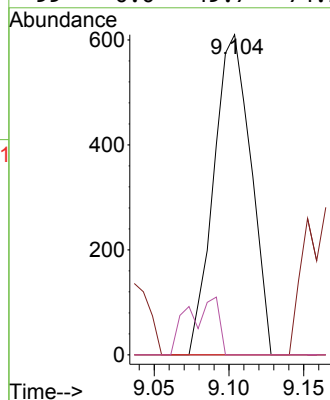
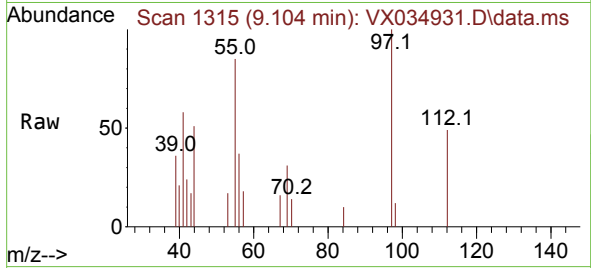




#55
1,1,2-Trichloroethane
Concen: 0.327 ug/l
RT: 9.104 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

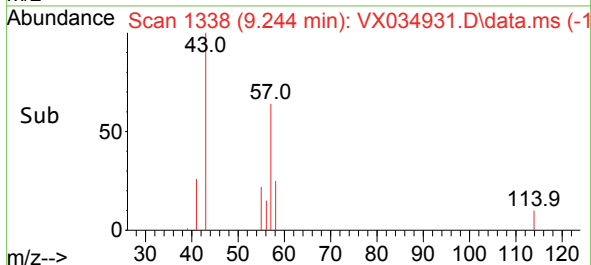
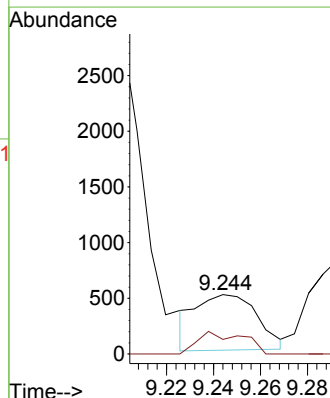
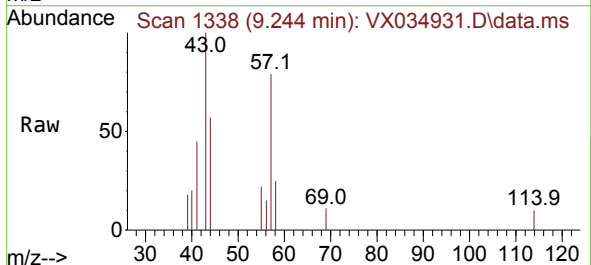
Instrument :
MSVOA_X
ClientSampleId :
SB-2TW

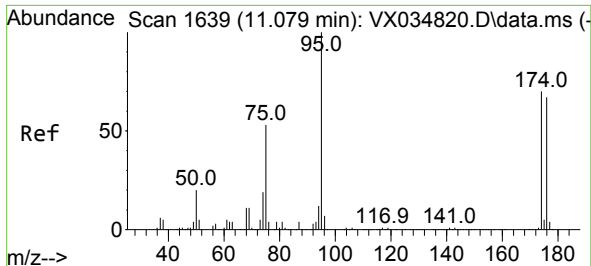
Tgt Ion:	97	Resp:	1051
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.7	104.5#
85	0.0	43.7	65.5#
99	0.0	49.7	74.5#



#59
2-Hexanone
Concen: 0.254 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. -0.183 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

Tgt Ion:	43	Resp:	904
Ion	Ratio	Lower	Upper
43	100		
58	30.1	26.3	78.9

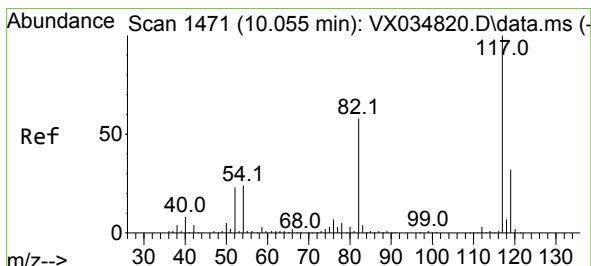
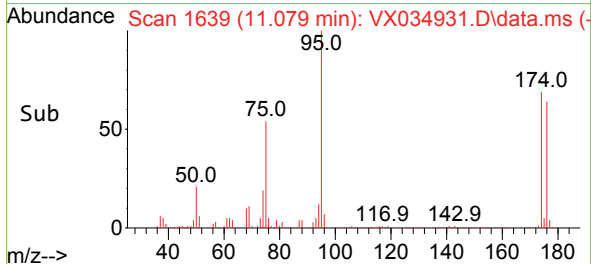
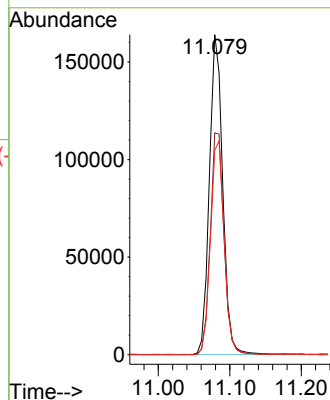
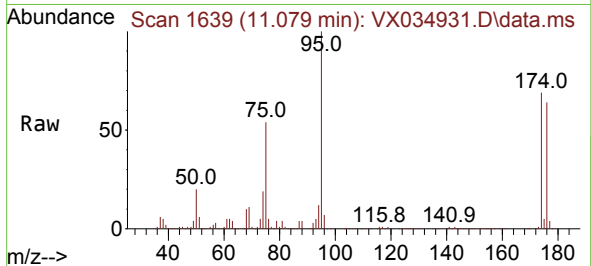




#62
4-Bromofluorobenzene
Concen: 48.559 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

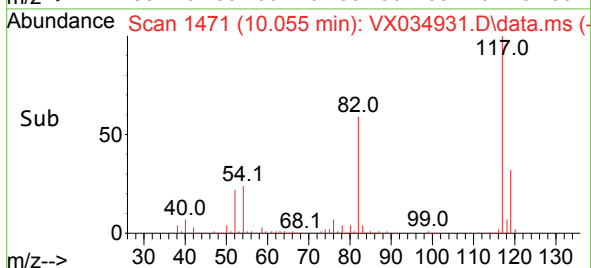
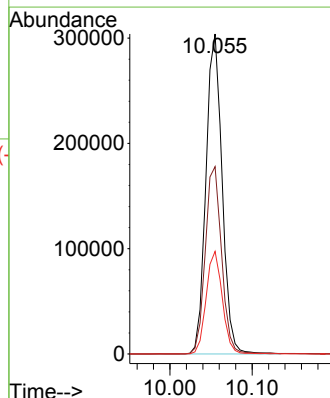
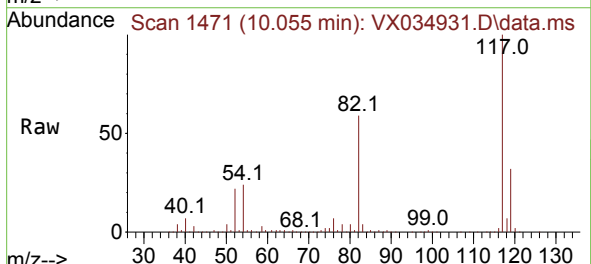
Instrument :
MSVOA_X
ClientSampleId :
SB-2TW

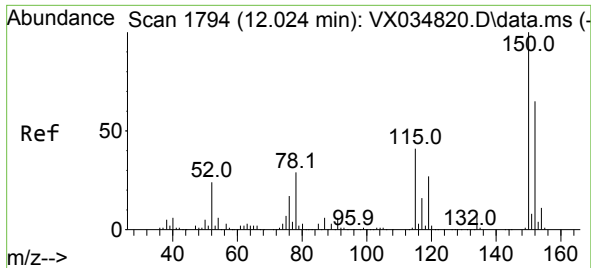
Tgt Ion: 95 Resp: 212687
Ion Ratio Lower Upper
95 100
174 71.3 0.0 147.4
176 68.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034931.D
Acq: 03 Apr 2023 14:47

Tgt Ion: 117 Resp: 415704
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 32.0 26.0 39.0

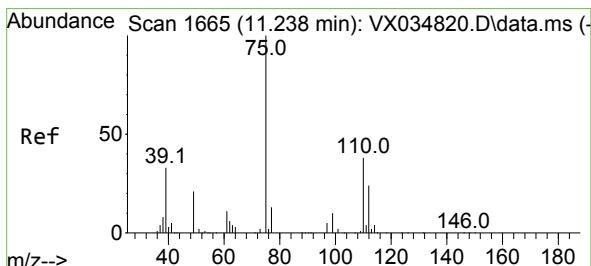
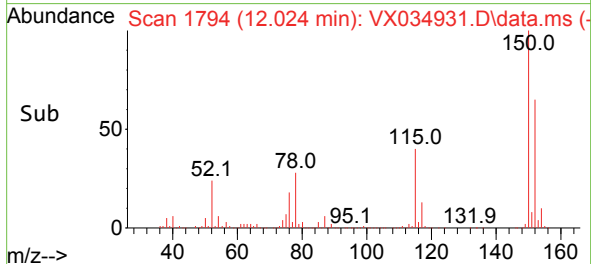
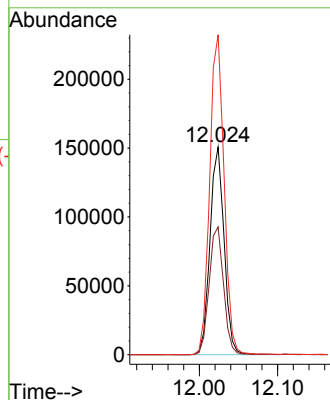
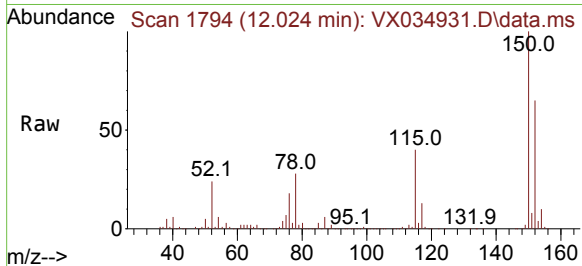




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034931.D
 Acq: 03 Apr 2023 14:47

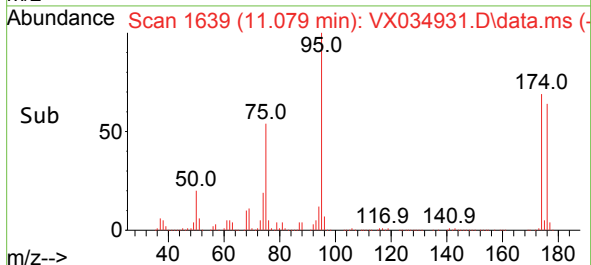
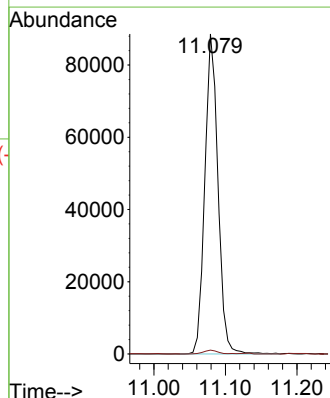
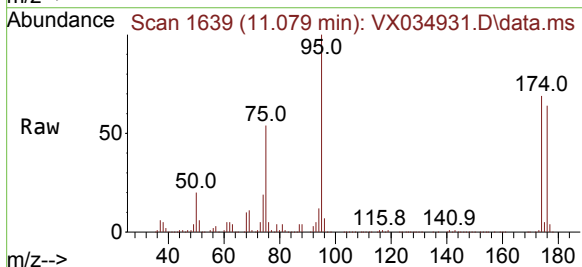
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-2TW

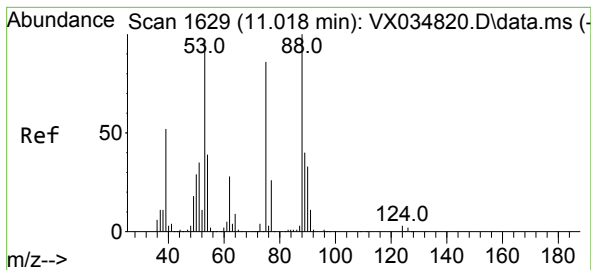
Tgt Ion:152 Resp: 188282
 Ion Ratio Lower Upper
 152 100
 115 62.8 45.0 135.0
 150 157.0 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 29.820 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034931.D
 Acq: 03 Apr 2023 14:47

Tgt Ion: 75 Resp: 113131
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.370 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034931.D
 Acq: 03 Apr 2023 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-2TW

Tgt Ion: 75 Resp: 113131
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

