

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034719.D
 Acq On : 24 Mar 2023 14:33
 Operator : JC/MD
 Sample : 02058-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

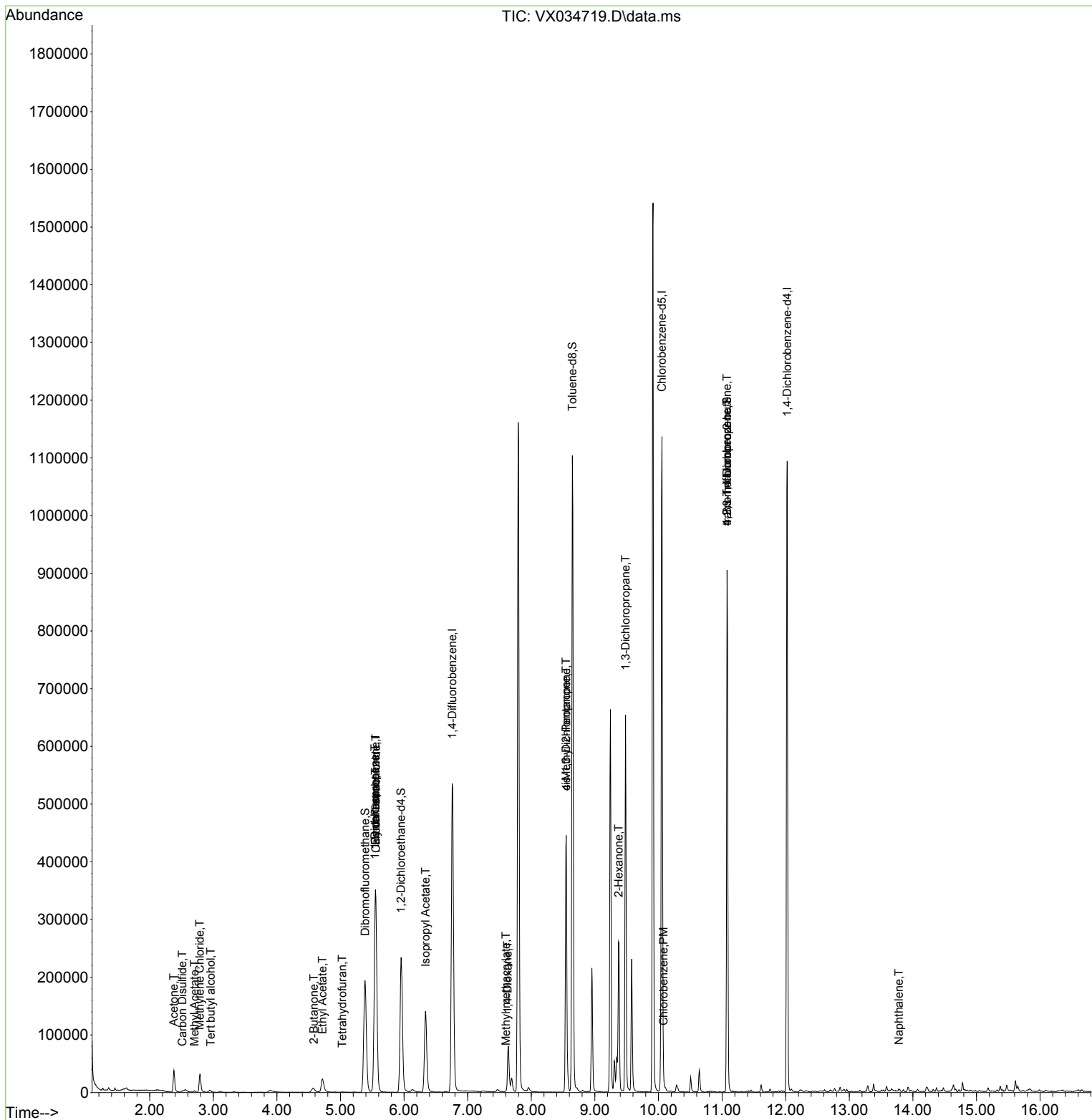
Quant Time: Mar 27 01:30:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

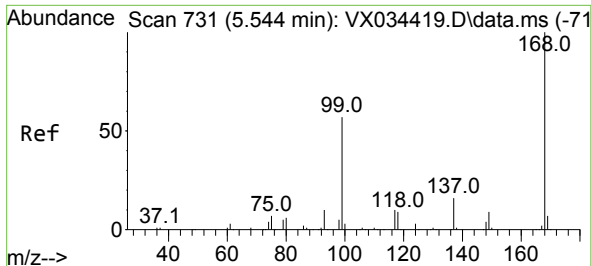
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	316524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	527452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	479640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231771	50.333	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.660%			
35) Dibromofluoromethane	5.385	113	169397	48.643	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.280%			
50) Toluene-d8	8.647	98	639990	49.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.460%			
62) 4-Bromofluorobenzene	11.079	95	248787	47.378	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.760%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	255	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	3043	3.173	ug/l #	73
16) Acetone	2.380	43	41113	18.954	ug/l	95
17) Carbon Disulfide	2.514	76	2922	0.300	ug/l	99
18) Methyl Acetate	2.703	43	2358	0.333	ug/l	93
20) Methylene Chloride	2.788	84	14668	3.484	ug/l	99
25) 2-Butanone	4.580	43	9023	2.907	ug/l	94
29) Tetrahydrofuran	5.025	42	466	0.243	ug/l #	45
31) Cyclohexane	5.550	56	7438	1.152	ug/l #	10
36) 1,1-Dichloropropene	5.544	75	27830	5.203	ug/l #	50
37) Ethyl Acetate	4.715	43	42052	7.196	ug/l	96
38) Carbon Tetrachloride	5.556	117	34444	6.473	ug/l #	16
43) Isopropyl Acetate	6.336	43	196126	19.812	ug/l	100
48) Methyl methacrylate	7.604	41	5307	1.115	ug/l #	15
49) 1,4-Dioxane	7.629	88	47	0.470	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	161938	28.199	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	69265	10.571	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	5466	0.800	ug/l #	42
59) 2-Hexanone	9.372	43	198826	44.789	ug/l #	26
65) Chlorobenzene	10.079	112	3396	0.323	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	134154	26.352	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	134154	71.291	ug/l #	8
95) Naphthalene	13.780	128	3501	0.214	ug/l	97

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

Quant Time: Mar 27 01:30:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

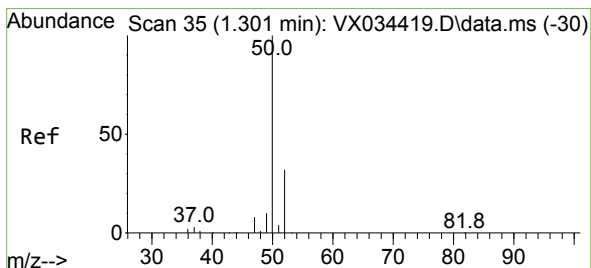
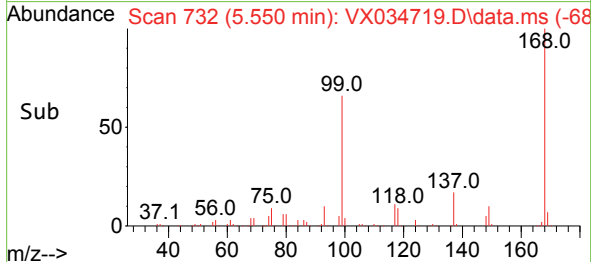
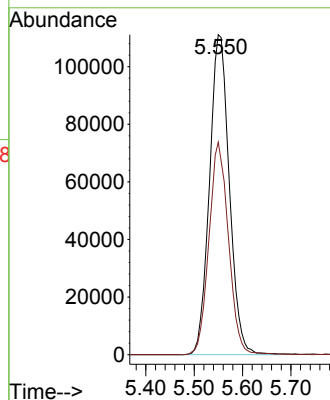
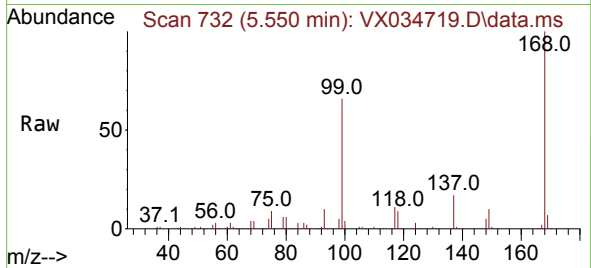




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

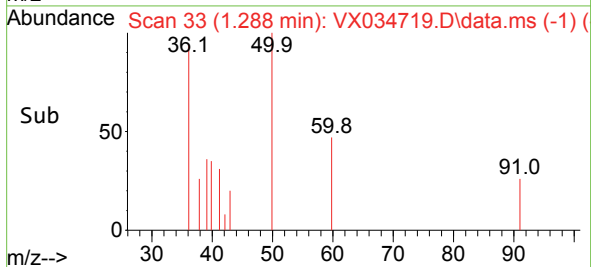
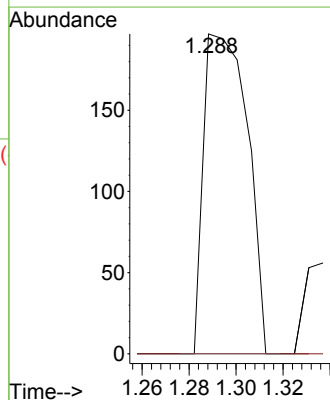
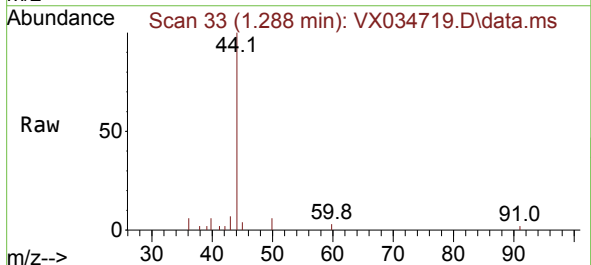
Instrument :
MSVOA_X
ClientSampleId :

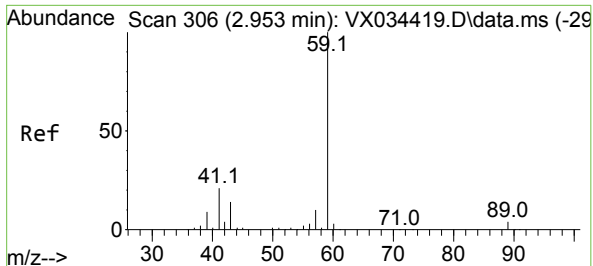
Tgt Ion:168 Resp: 316524
Ion Ratio Lower Upper
168 100
99 66.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.013 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Tgt Ion: 50 Resp: 255
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

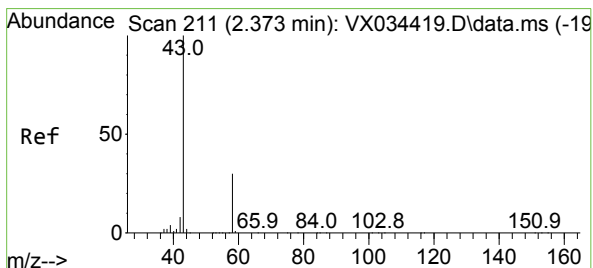
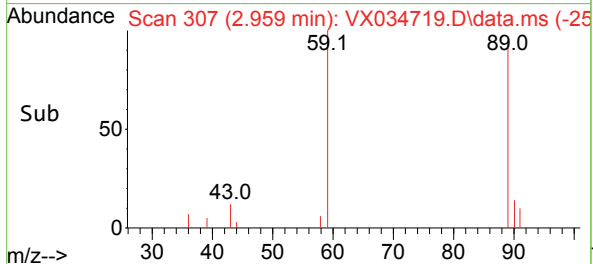
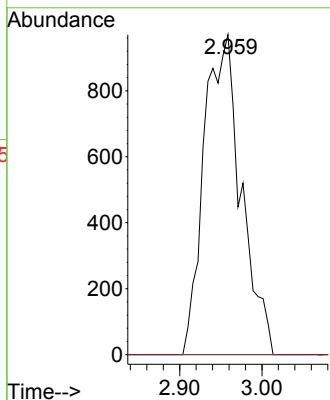
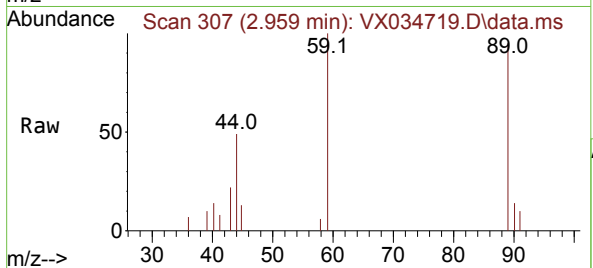




#11
Tert butyl alcohol
Concen: 3.173 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

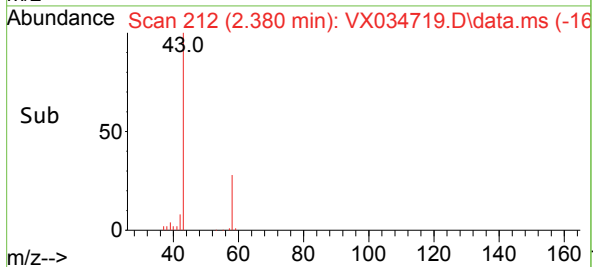
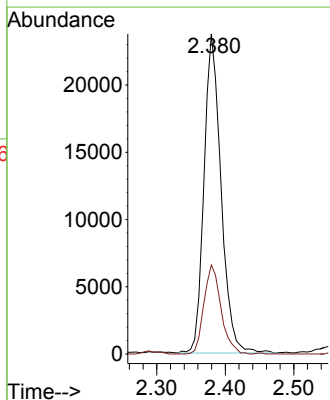
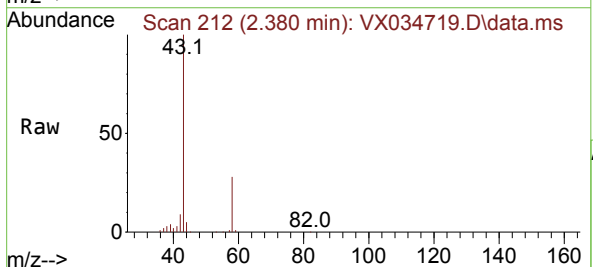
Instrument :
MSVOA_X
ClientSampleId :

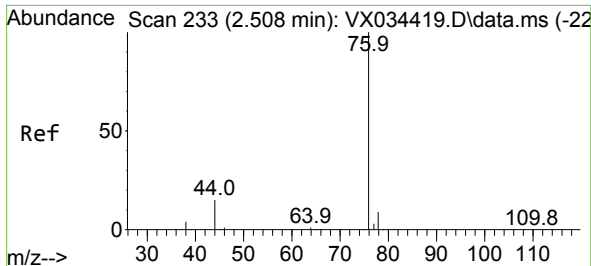
Tgt Ion: 59 Resp: 3043
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 18.954 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Tgt Ion: 43 Resp: 41113
Ion Ratio Lower Upper
43 100
58 27.9 24.7 37.1





#17

Carbon Disulfide

Concen: 0.300 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

Instrument :

MSVOA_X

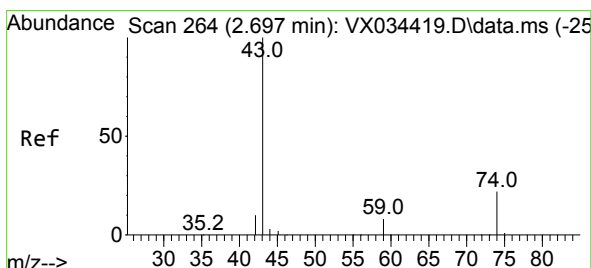
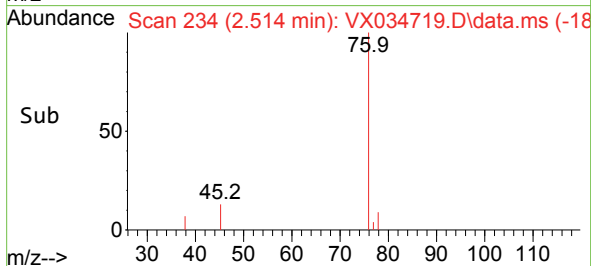
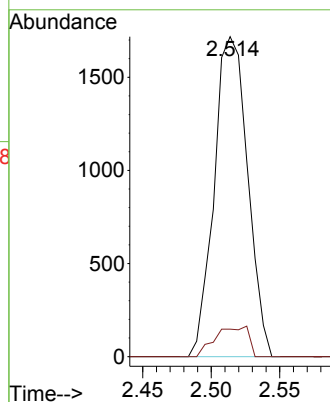
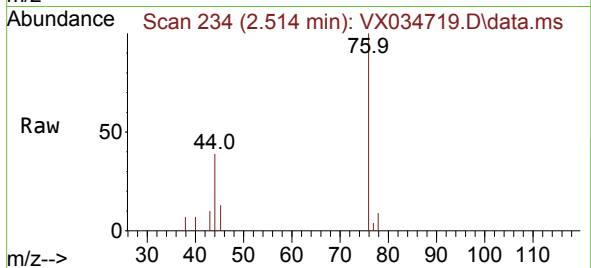
ClientSampleId :

Tgt Ion: 76 Resp: 2922

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



#18

Methyl Acetate

Concen: 0.333 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX034719.D

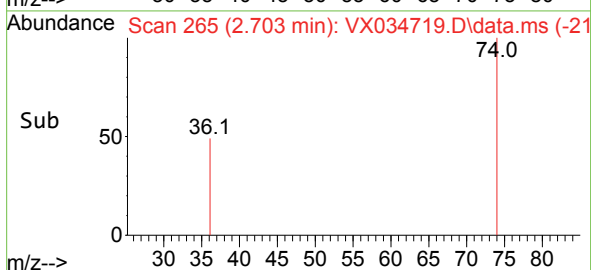
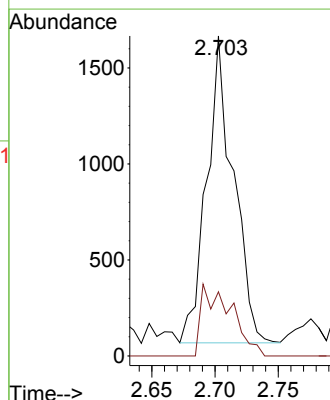
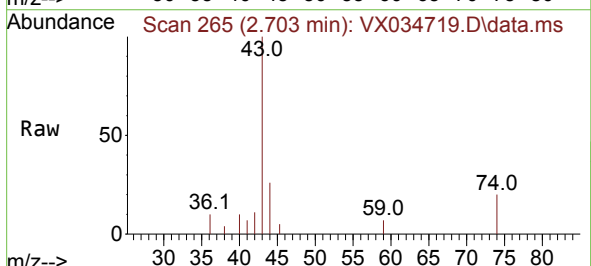
Acq: 24 Mar 2023 14:33

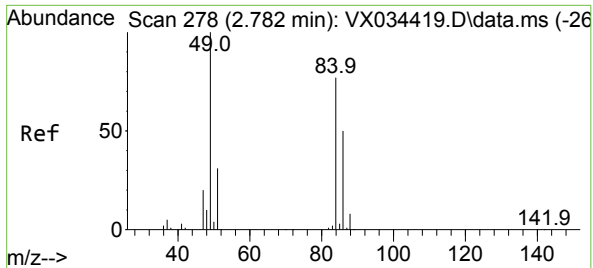
Tgt Ion: 43 Resp: 2358

Ion Ratio Lower Upper

43 100

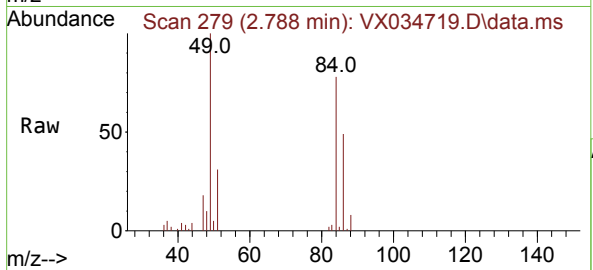
74 26.2 18.3 27.5





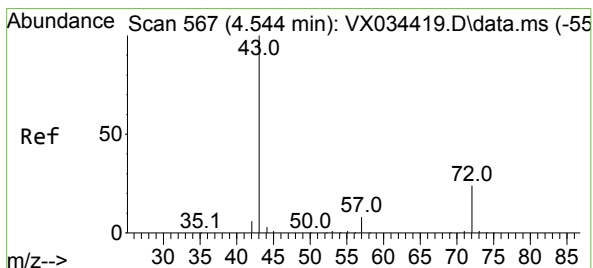
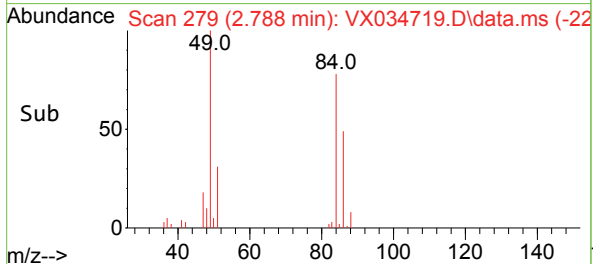
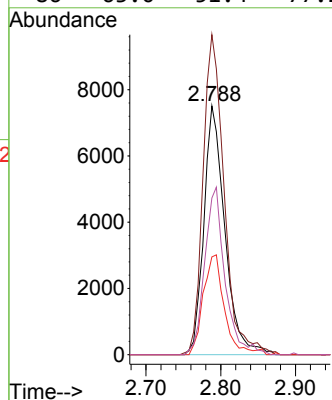
#20
Methylene Chloride
Concen: 3.484 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 14668

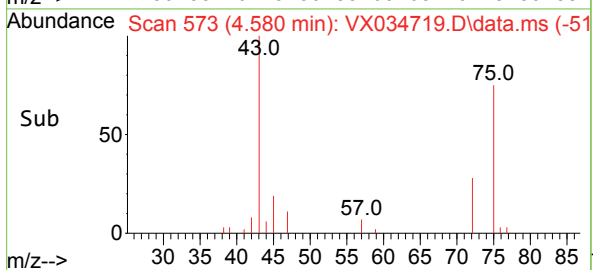
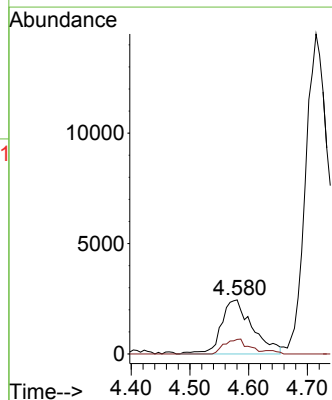
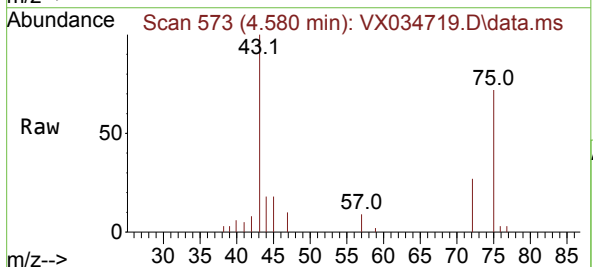
Ion	Ratio	Lower	Upper
84	100		
49	128.7	103.8	155.8
51	39.3	31.8	47.8
86	63.0	51.4	77.2

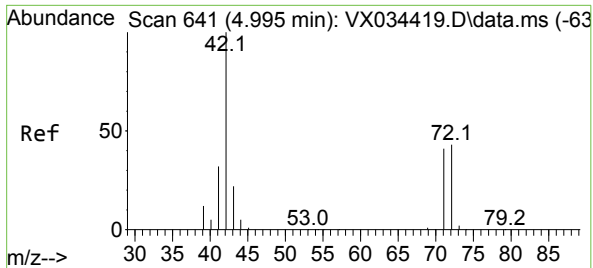


#25
2-Butanone
Concen: 2.907 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.037 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Tgt Ion: 43 Resp: 9023

Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX034719.D

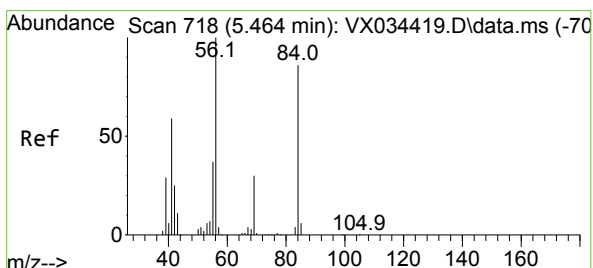
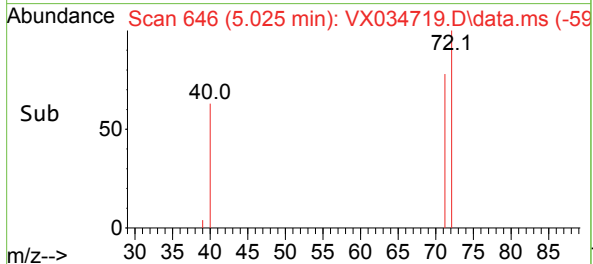
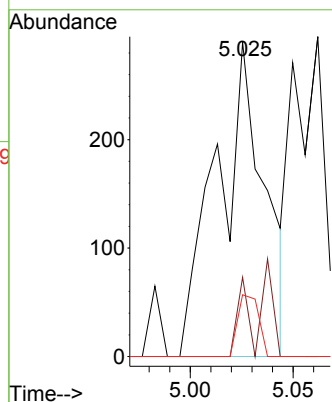
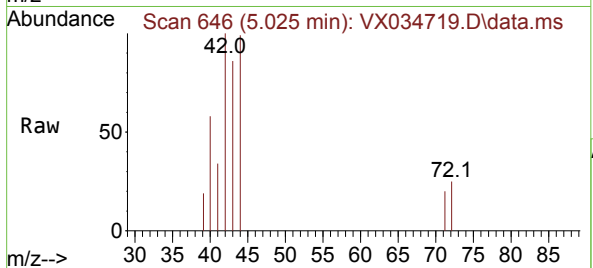
Acq: 24 Mar 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	466
Ion	Ratio	Lower	Upper
42	100		
72	5.8	34.5	51.7#
71	8.6	32.1	48.1#



#31

Cyclohexane

Concen: 1.152 ug/l

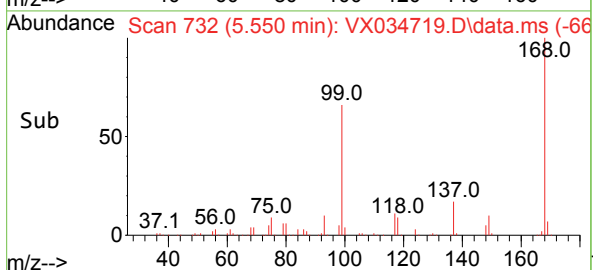
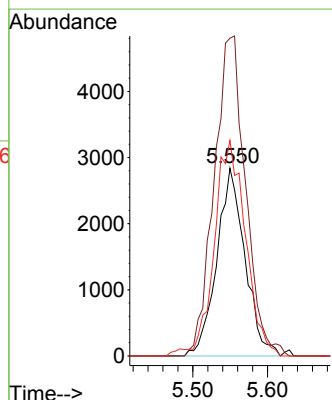
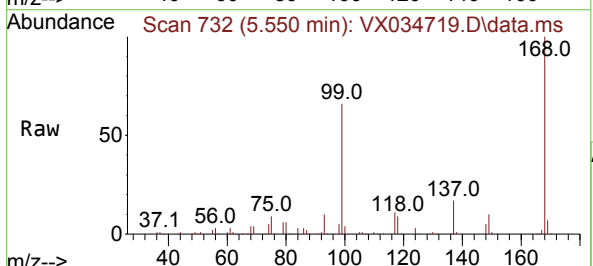
RT: 5.550 min Scan# 732

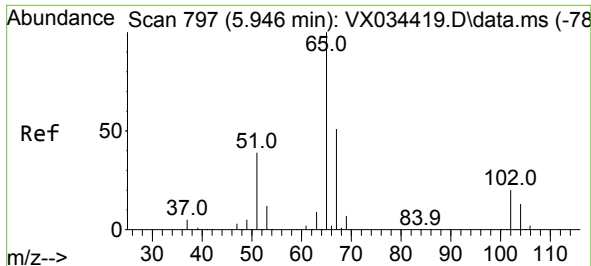
Delta R.T. 0.085 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

Tgt Ion:	56	Resp:	7438
Ion	Ratio	Lower	Upper
56	100		
69	169.3	23.7	35.5#
84	114.8	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 50.333 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

Instrument :

MSVOA_X

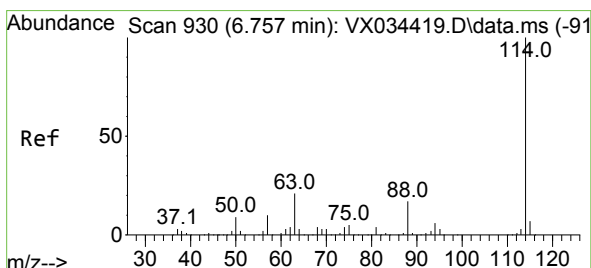
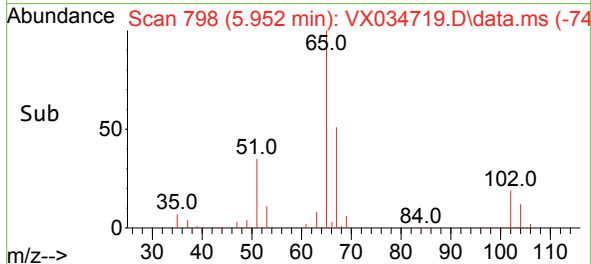
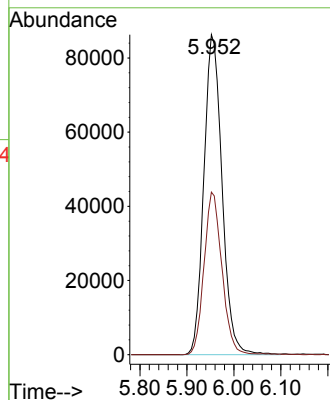
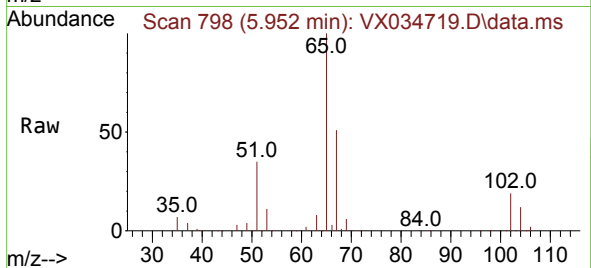
ClientSampleId :

Tgt Ion: 65 Resp: 231771

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

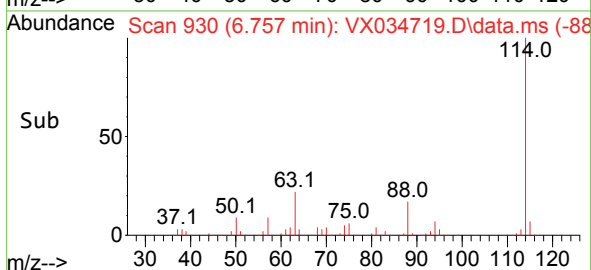
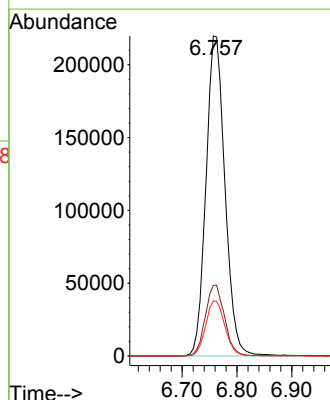
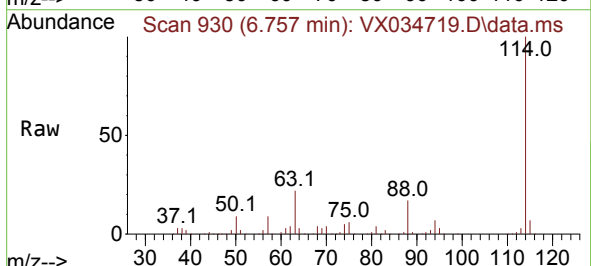
Tgt Ion: 114 Resp: 527452

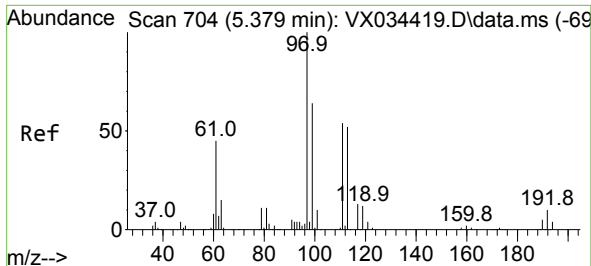
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 17.2 0.0 33.2

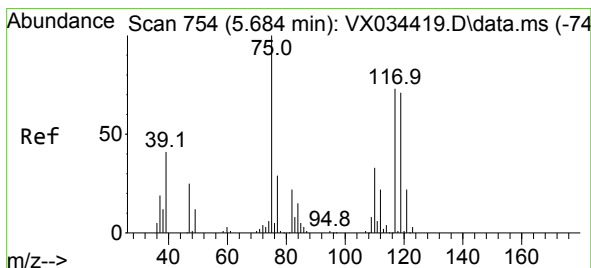
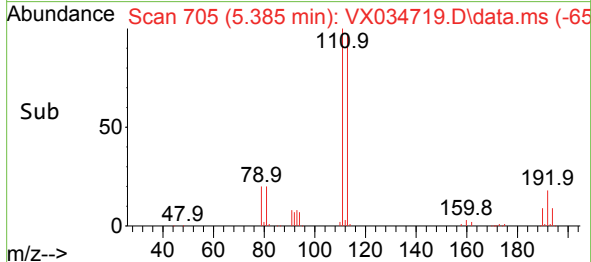
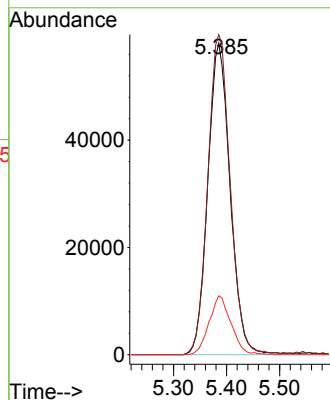
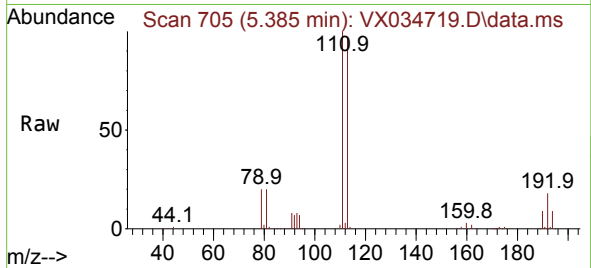




#35
 Dibromofluoromethane
 Concen: 48.643 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX034719.D
 Acq: 24 Mar 2023 14:33

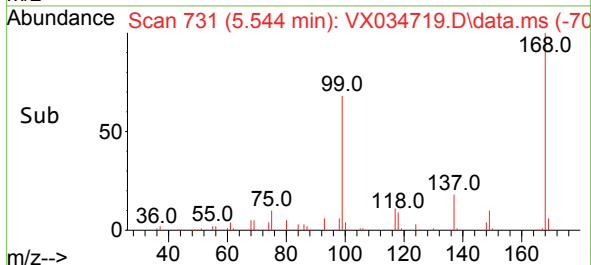
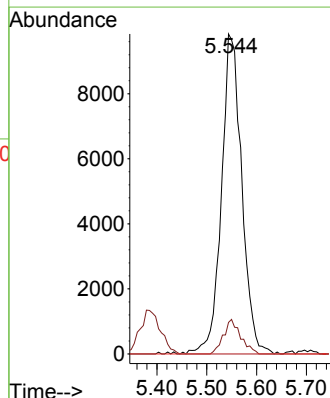
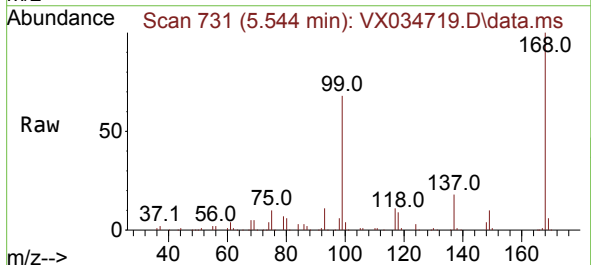
Instrument :
 MSVOA_X
 ClientSampleId :

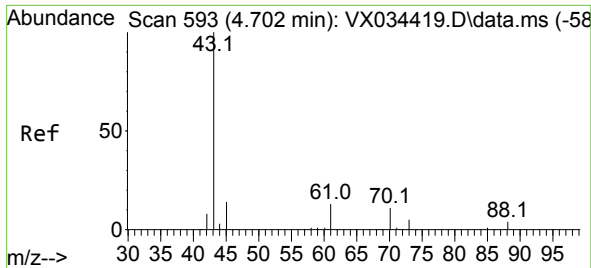
Tgt Ion:113 Resp: 169397
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.7 125.5
 192 18.6 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.203 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.140 min
 Lab File: VX034719.D
 Acq: 24 Mar 2023 14:33

Tgt Ion: 75 Resp: 27830
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.5 52.5#
 77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 7.196 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

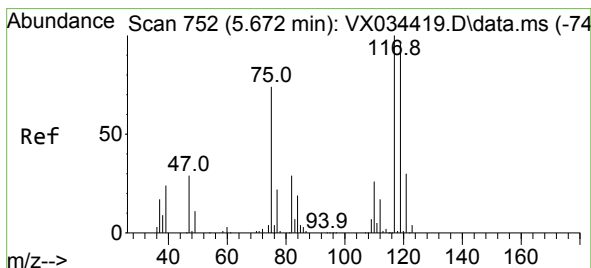
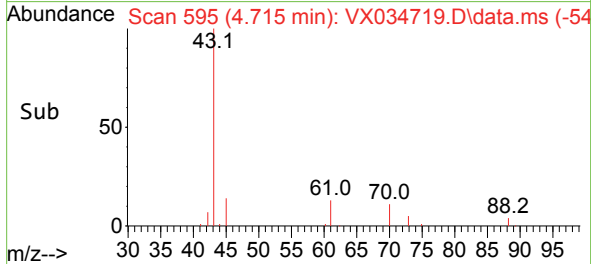
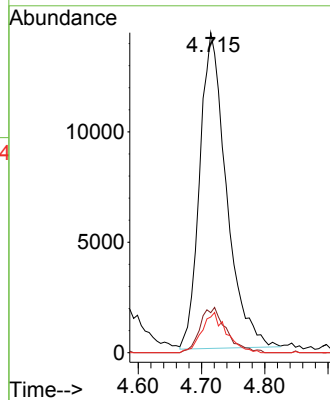
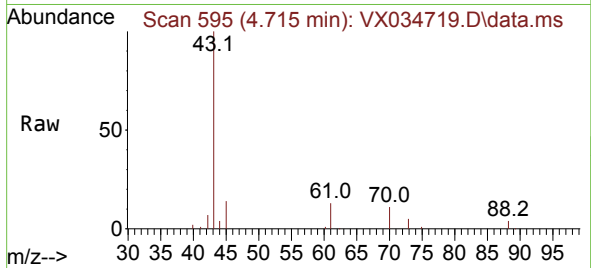
Tgt Ion: 43 Resp: 42052

Ion Ratio Lower Upper

43 100

61 14.2 10.2 15.4

70 11.8 8.2 12.4



#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

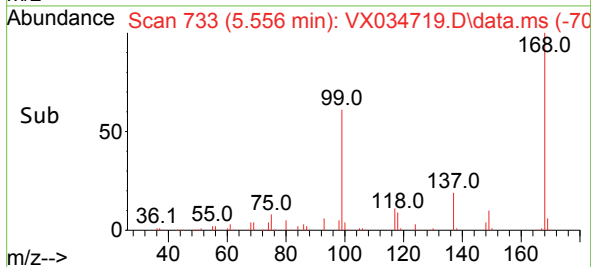
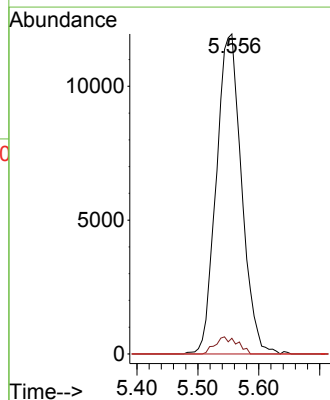
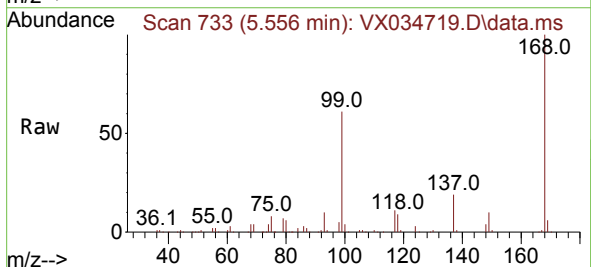
Tgt Ion: 117 Resp: 34444

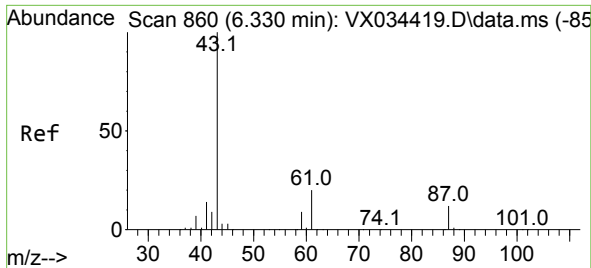
Ion Ratio Lower Upper

117 100

119 4.9 76.6 114.8#

121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 19.812 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX034719.D

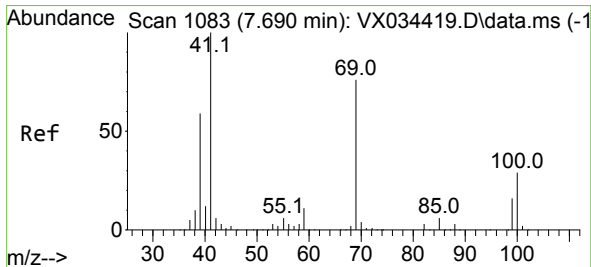
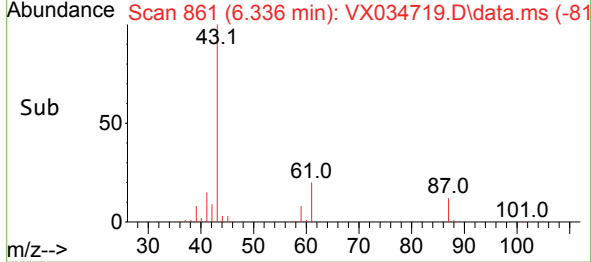
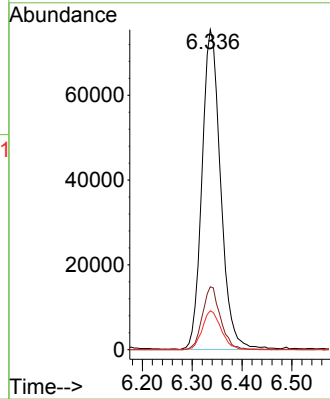
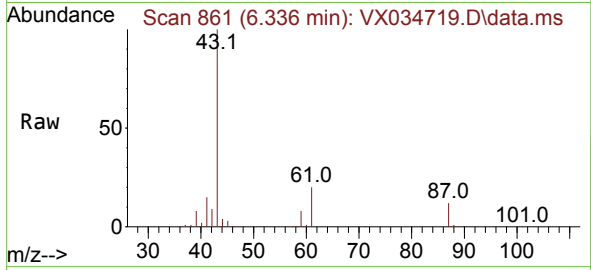
Acq: 24 Mar 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	196126
Ion Ratio	Lower	Upper	
43	100		
61	19.0	15.2	22.8
87	12.2	9.8	14.8



#48

Methyl methacrylate

Concen: 1.115 ug/l

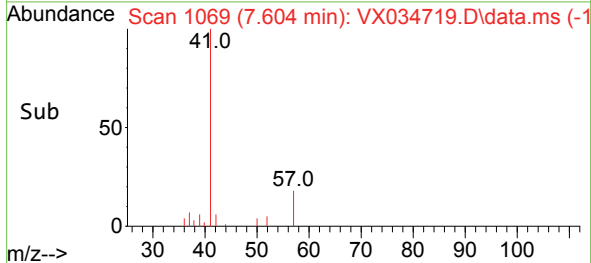
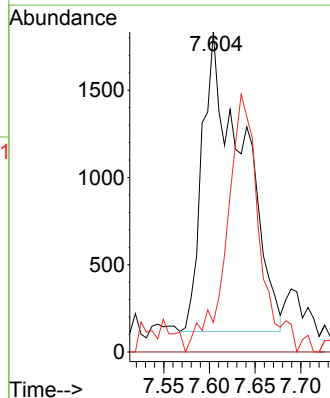
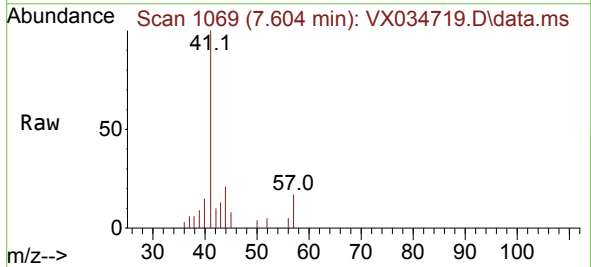
RT: 7.604 min Scan# 1069

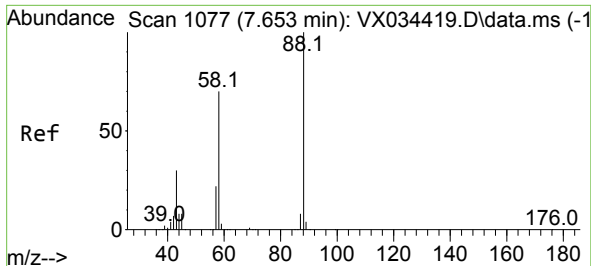
Delta R.T. -0.085 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

Tgt Ion:	41	Resp:	5307
Ion Ratio	Lower	Upper	
41	100		
69	0.0	62.2	93.4#
39	0.0	47.7	71.5#





#49

1,4-Dioxane

Concen: 0.470 ug/l

RT: 7.629 min Scan# 1077

Delta R.T. -0.024 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

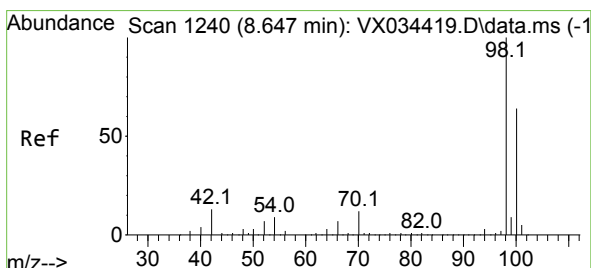
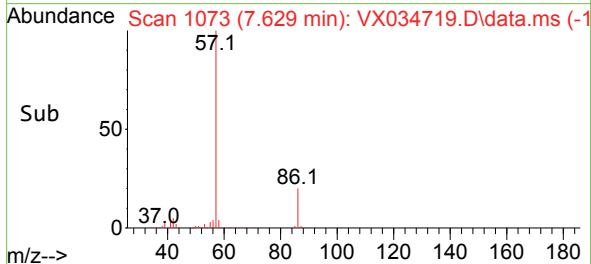
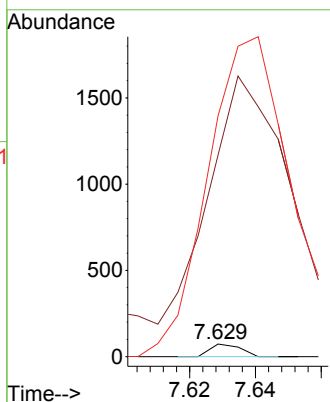
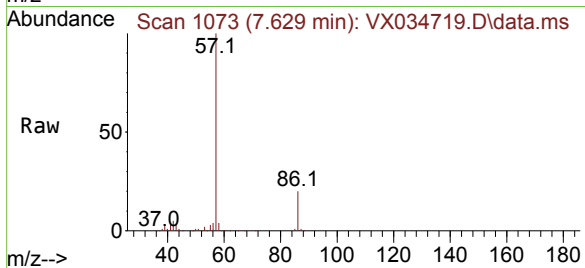
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 47

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	7502.1	56.8	85.2#



#50

Toluene-d8

Concen: 49.229 ug/l

RT: 8.647 min Scan# 1240

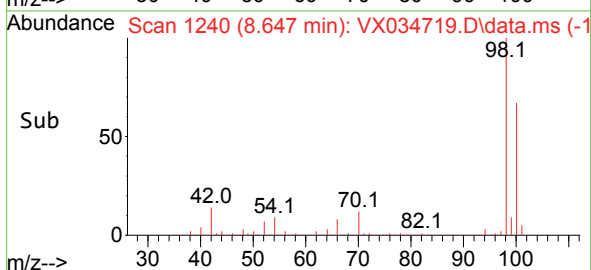
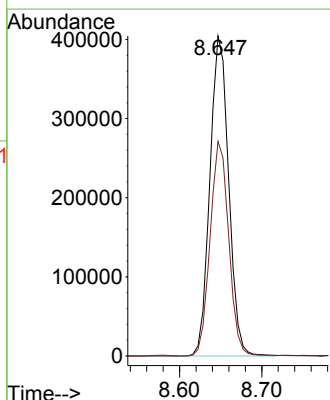
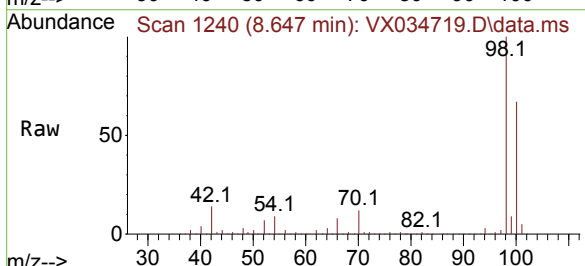
Delta R.T. 0.000 min

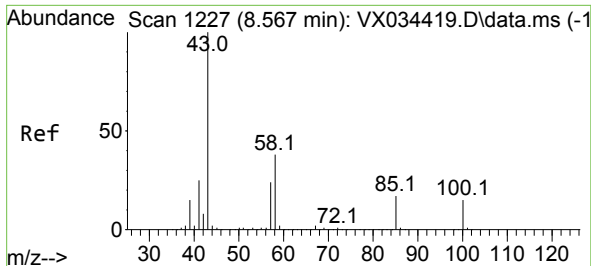
Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

Tgt Ion: 98 Resp: 639990

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7

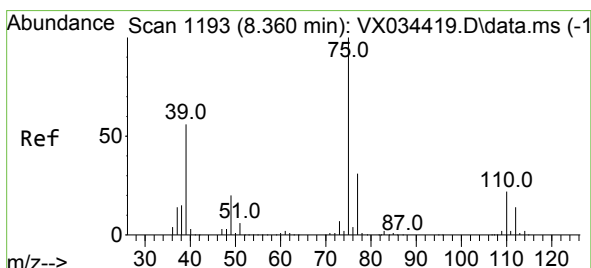
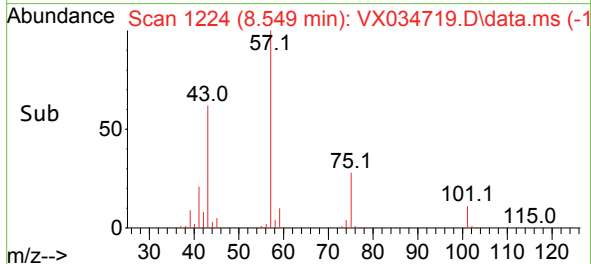
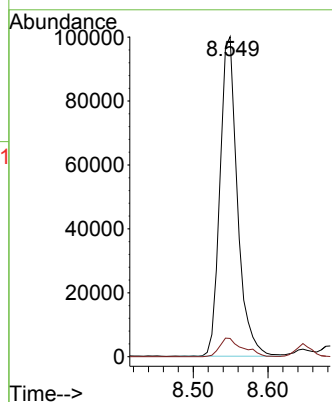
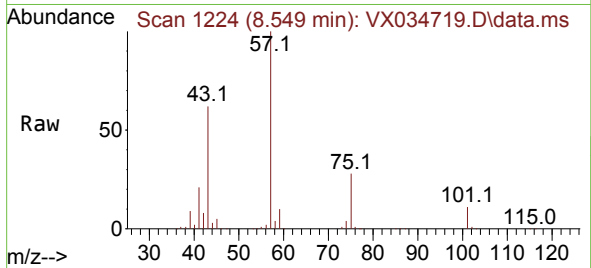




#51
4-Methyl-2-Pentanone
Concen: 28.199 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

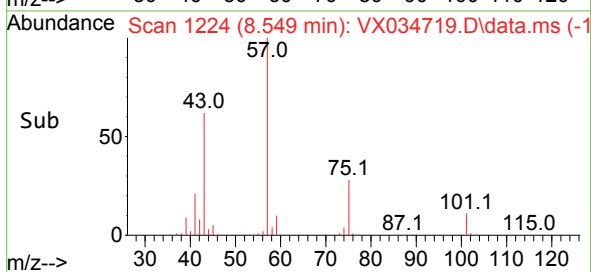
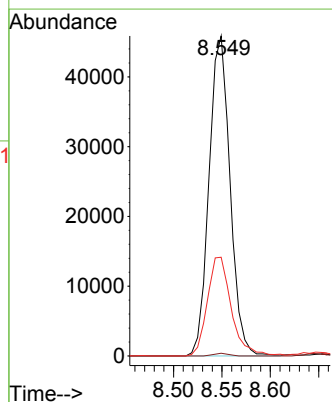
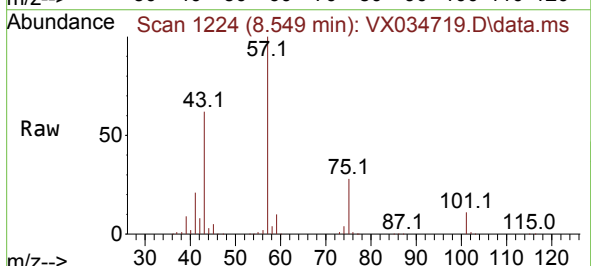
Instrument :
MSVOA_X
ClientSampleId :

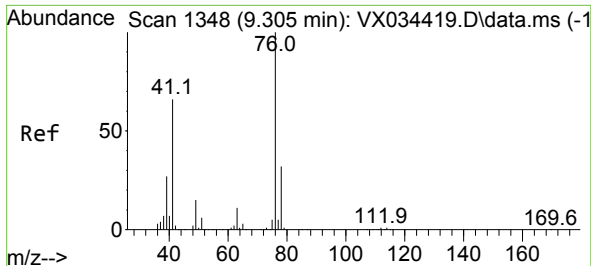
Tgt Ion: 43 Resp: 161938
Ion Ratio Lower Upper
43 100
58 7.7 30.6 46.0#



#54
cis-1,3-Dichloropropene
Concen: 10.571 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Tgt Ion: 75 Resp: 69265
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 30.8 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 0.800 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034719.D

Acq: 24 Mar 2023 14:33

Instrument :

MSVOA_X

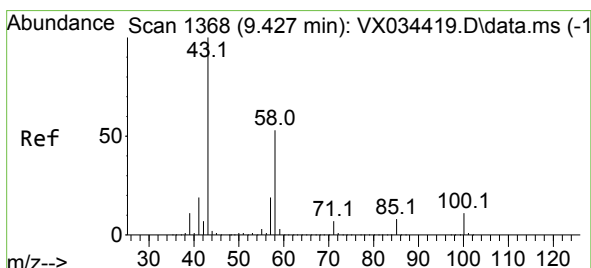
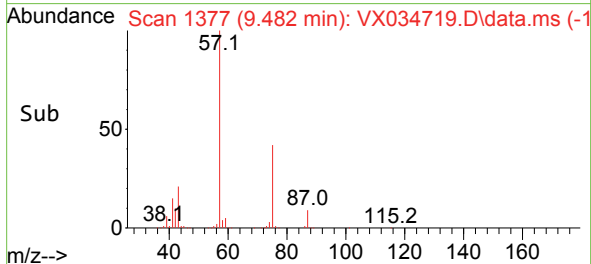
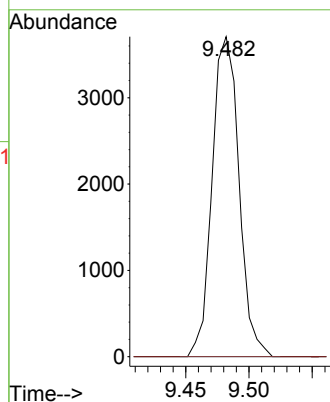
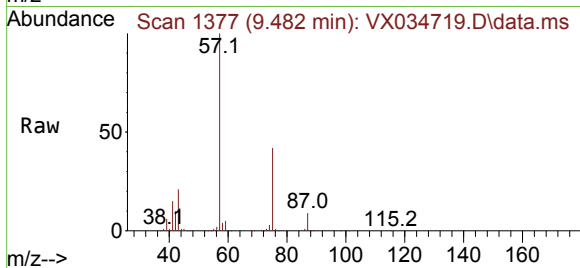
ClientSampleId :

Tgt Ion: 76 Resp: 5466

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 44.789 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX034719.D

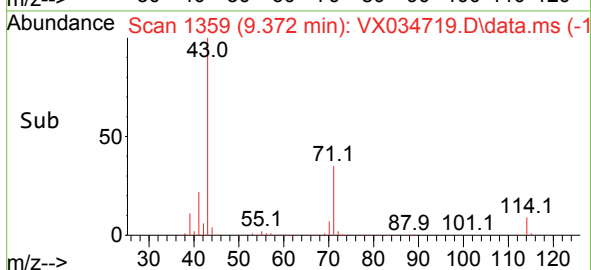
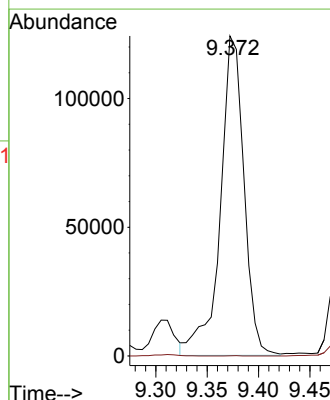
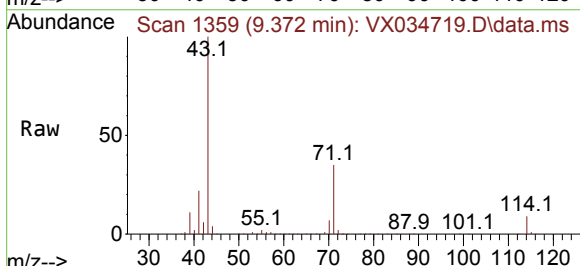
Acq: 24 Mar 2023 14:33

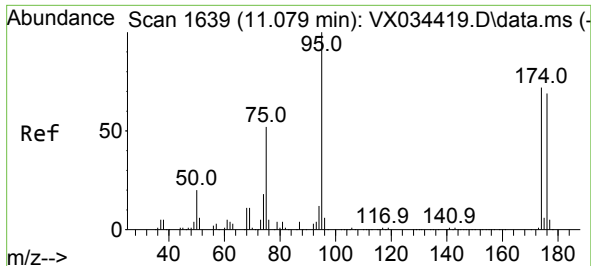
Tgt Ion: 43 Resp: 198826

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.9#

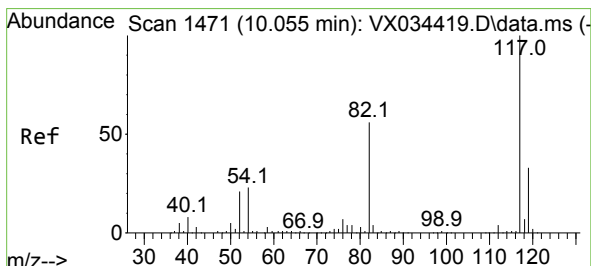
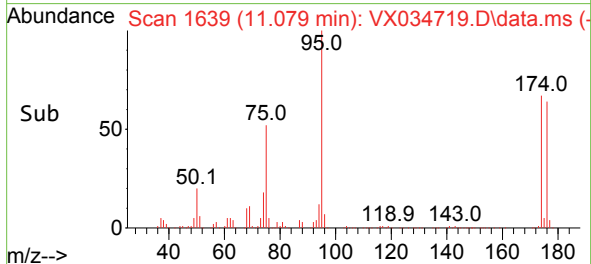
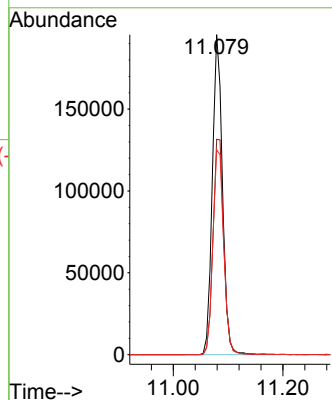
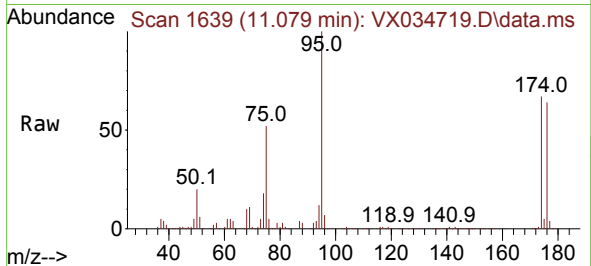




#62
4-Bromofluorobenzene
Concen: 47.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

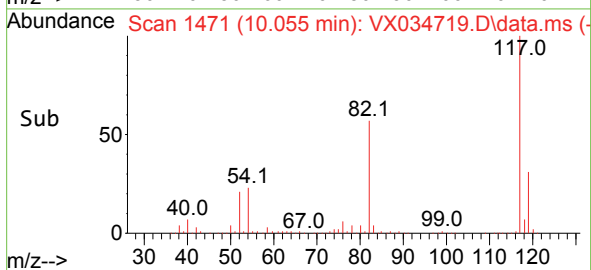
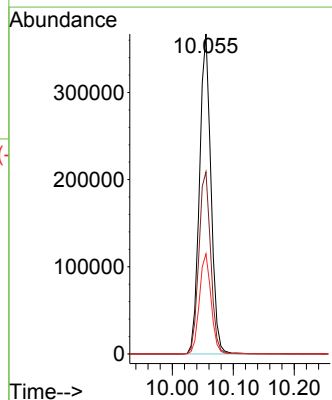
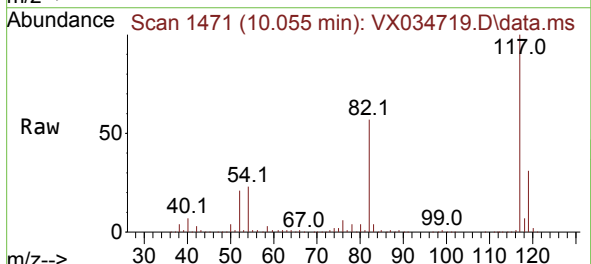
Instrument :
MSVOA_X
ClientSampleId :

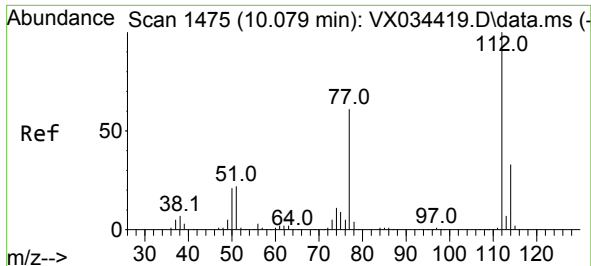
Tgt Ion: 95 Resp: 248787
Ion Ratio Lower Upper
95 100
174 71.3 0.0 147.4
176 68.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Tgt Ion: 117 Resp: 479640
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 31.3 26.0 39.0

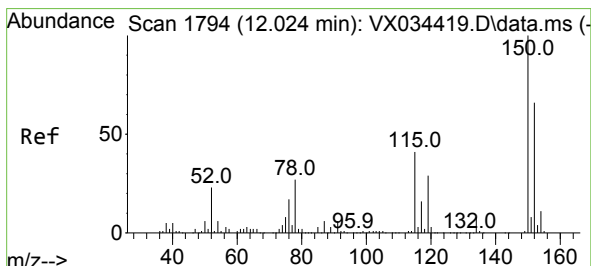
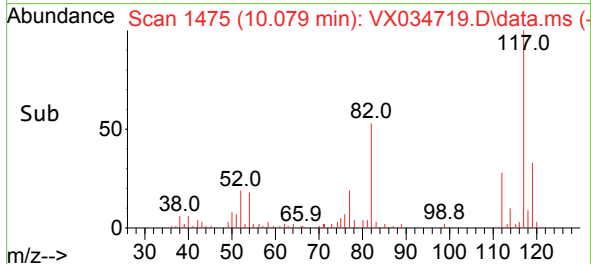
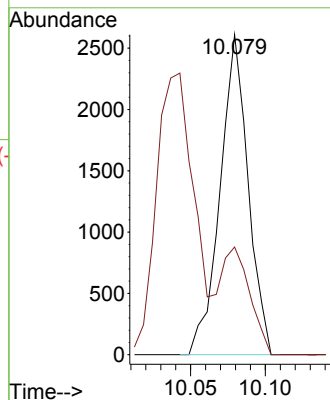
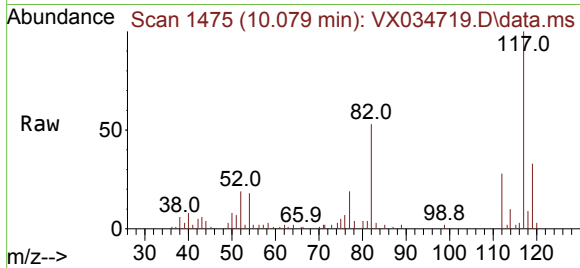




#65
Chlorobenzene
Concen: 0.323 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

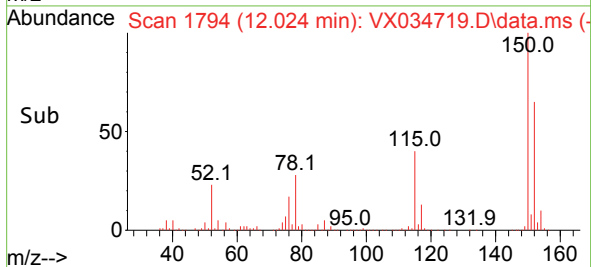
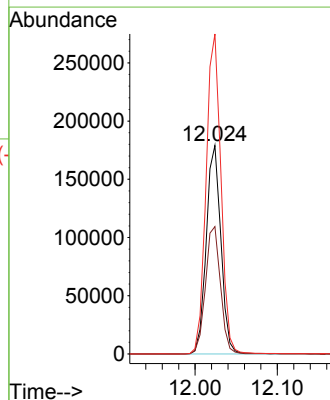
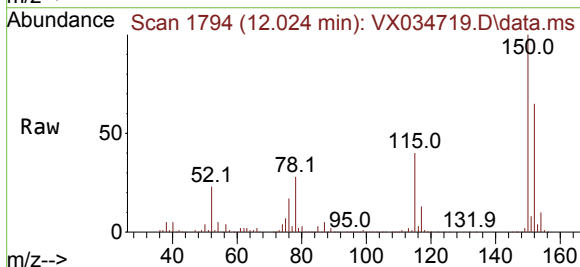
Instrument :
MSVOA_X
ClientSampleId :

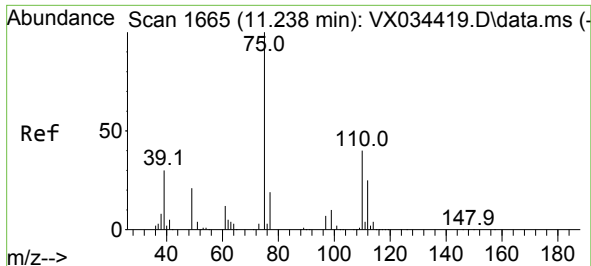
Tgt Ion:112 Resp: 3396
Ion Ratio Lower Upper
112 100
114 33.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Tgt Ion:152 Resp: 221713
Ion Ratio Lower Upper
152 100
115 62.9 45.0 135.0
150 155.7 0.0 352.4

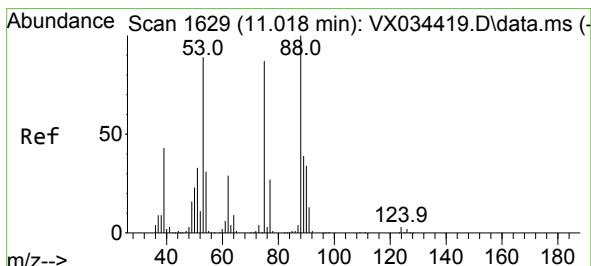
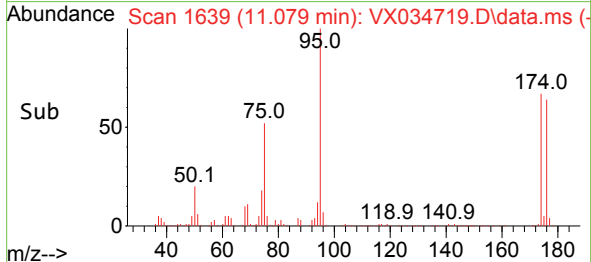
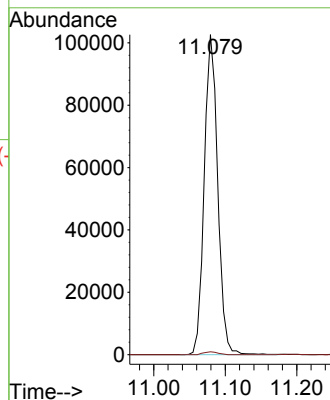
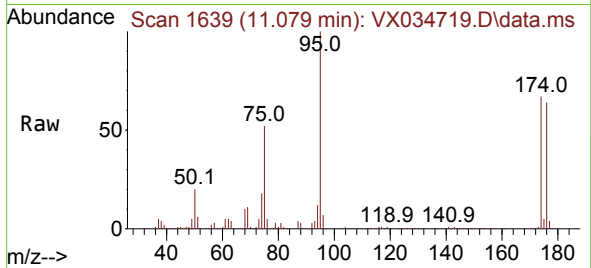




#76
1,2,3-Trichloropropane
Concen: 26.352 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

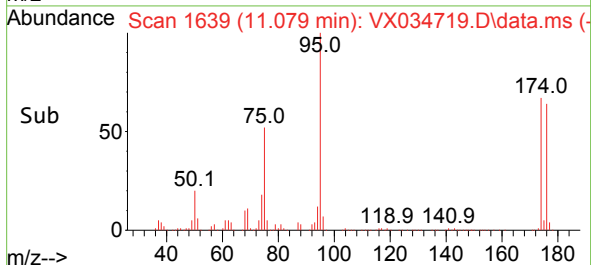
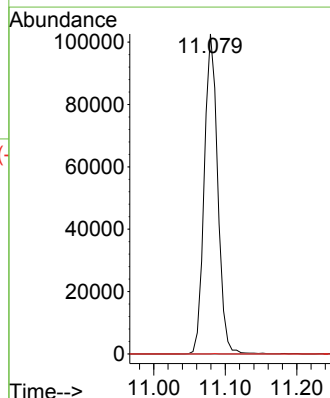
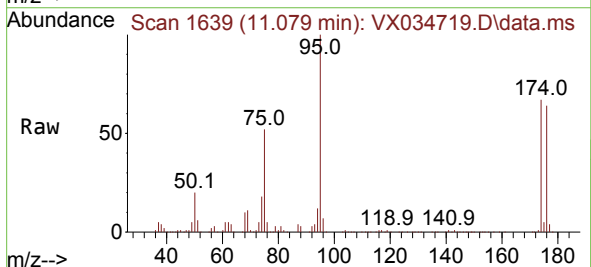
Instrument :
MSVOA_X
ClientSampleId :

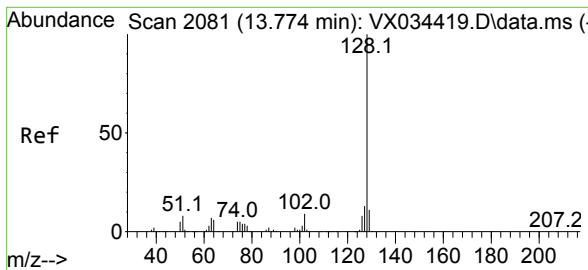
Tgt Ion: 75 Resp: 134154
Ion Ratio Lower Upper
75 100
77 0.9 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

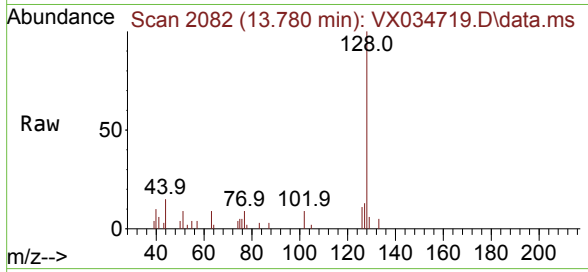
Tgt Ion: 75 Resp: 134154
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.214 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034719.D
Acq: 24 Mar 2023 14:33

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	3501
Ion Ratio	Lower	Upper	
128	100		
127	15.0	10.2	15.4
129	10.8	8.6	13.0

