

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034718.D
 Acq On : 24 Mar 2023 14:09
 Operator : JC/MD
 Sample : 02047-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 01:30:24 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

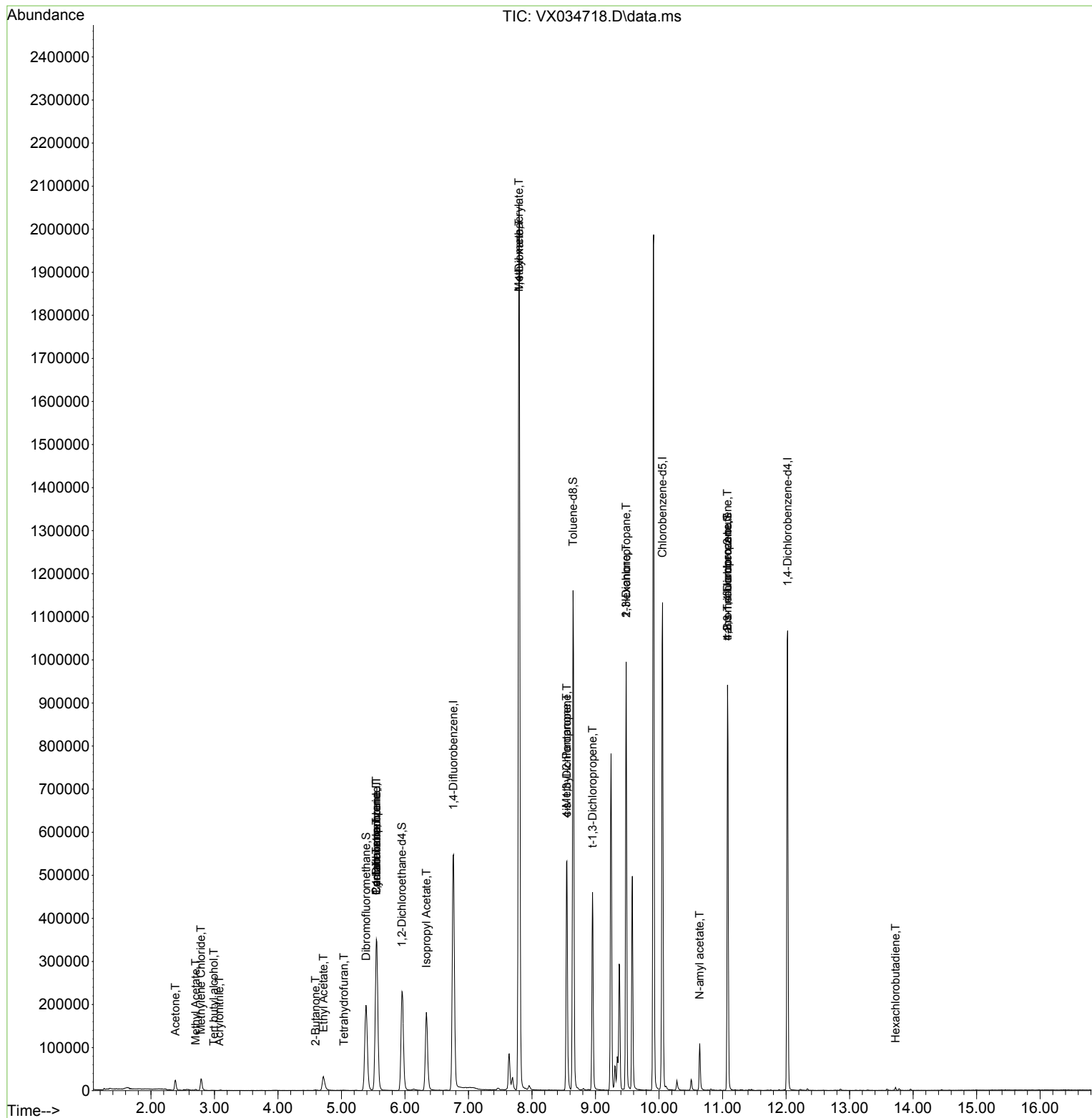
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	317552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	542741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	491498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	222004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234414	50.742	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.480%	
35) Dibromofluoromethane	5.385	113	173240	48.345	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.680%	
50) Toluene-d8	8.646	98	655389	48.993	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	11.079	95	252744	46.775	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	426	Below Cal	#	79
11) Tert butyl alcohol	2.989	59	438	0.455	ug/l #	85
15) Acrylonitrile	3.074	53	479	0.230	ug/l #	41
16) Acetone	2.385	43	27343	12.565	ug/l	94
18) Methyl Acetate	2.702	43	2427	0.341	ug/l	98
20) Methylene Chloride	2.788	84	13098	3.101	ug/l	95
25) 2-Butanone	4.592	43	2786	0.895	ug/l	99
29) Tetrahydrofuran	5.037	42	923	0.480	ug/l #	38
31) Cyclohexane	5.549	56	7701	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	27400	4.978	ug/l #	47
37) Ethyl Acetate	4.714	43	57984	9.643	ug/l	97
38) Carbon Tetrachloride	5.549	117	34424	6.287	ug/l #	16
43) Isopropyl Acetate	6.336	43	250479	24.590	ug/l	100
48) Methyl methacrylate	7.793	41	183284	37.412	ug/l #	45
49) 1,4-Dioxane	7.799	88	350	3.401	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	194402	32.899	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	1388	0.223	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	83593	12.398	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	7896	1.123	ug/l #	42
59) 2-Hexanone	9.482	43	122271	26.768	ug/l #	50
74) N-amyl acetate	10.640	43	31413	3.822	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	134730	26.431	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	134730	71.503	ug/l #	8
94) Hexachlorobutadiene	13.725	225	1039	0.529	ug/l	94

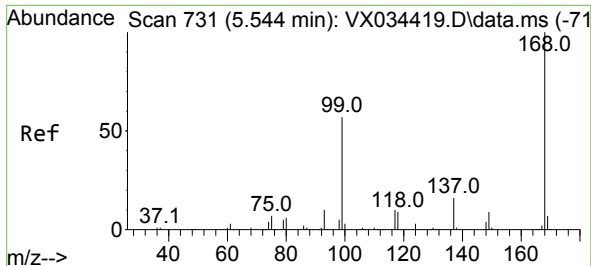
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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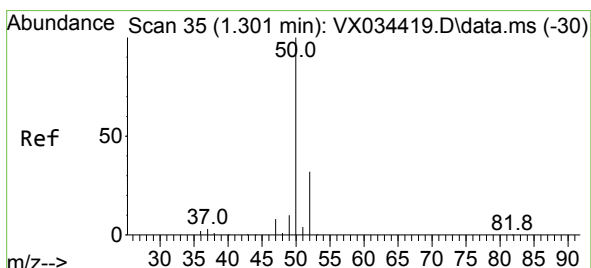
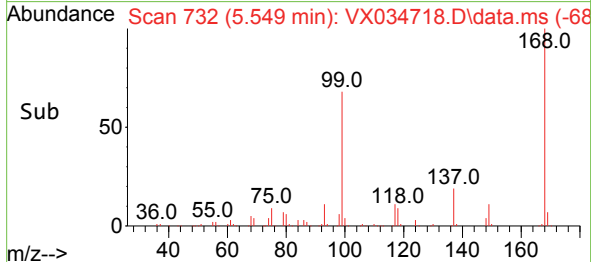
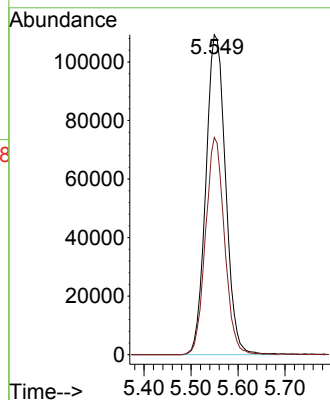
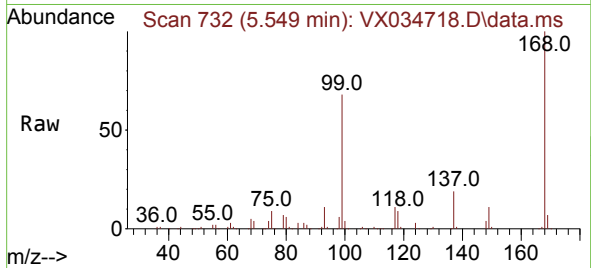




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

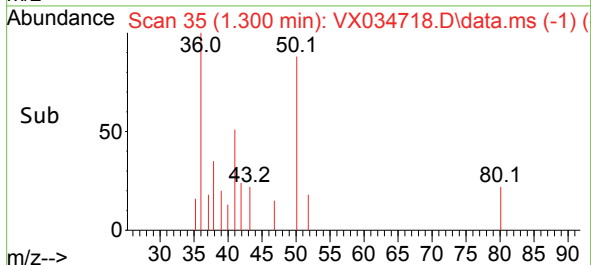
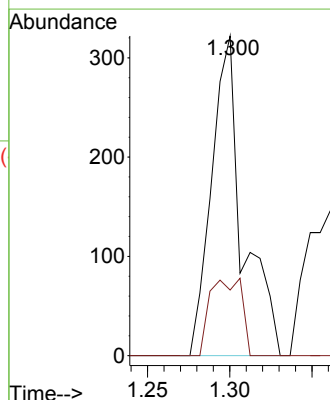
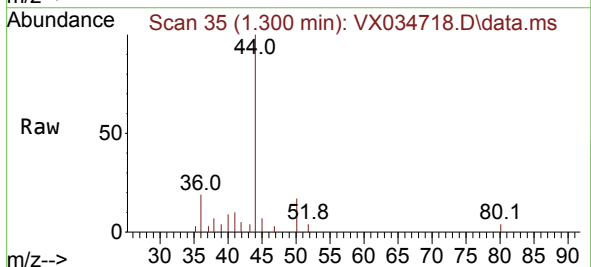
Instrument :
MSVOA_X
ClientSampleId :

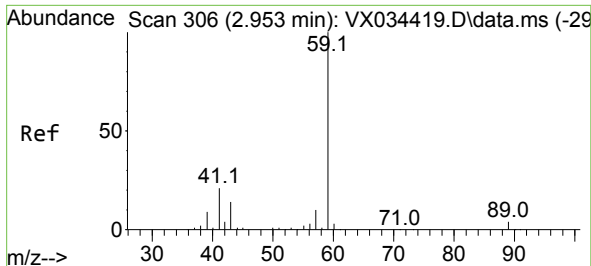
Tgt Ion:168 Resp: 317552
Ion Ratio Lower Upper
168 100
99 67.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Tgt Ion: 50 Resp: 426
Ion Ratio Lower Upper
50 100
52 20.5 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.455 ug/l

RT: 2.989 min Scan# 312

Delta R.T. 0.036 min

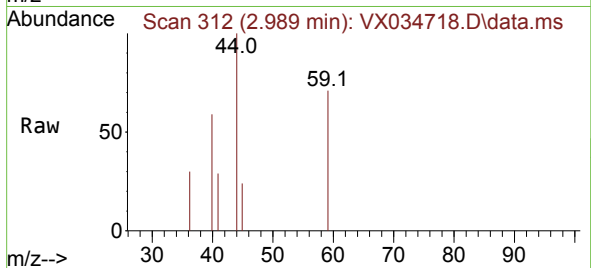
Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

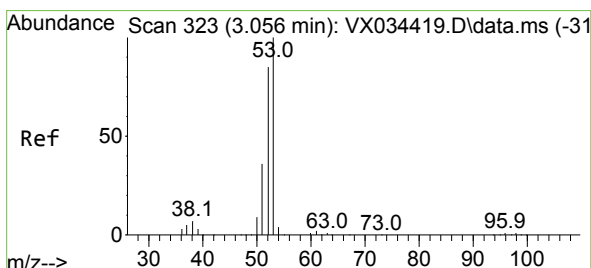
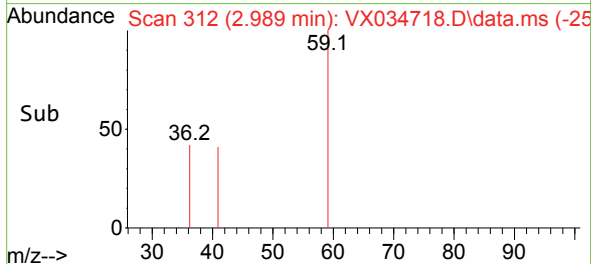
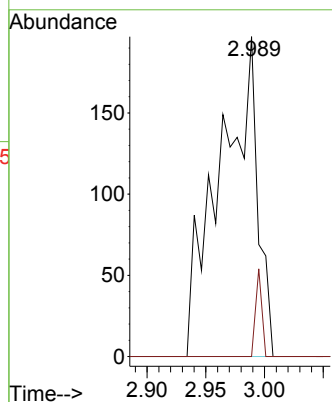


Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

59 100

57 4.6 8.1 12.1#



#15

Acrylonitrile

Concen: 0.230 ug/l

RT: 3.074 min Scan# 326

Delta R.T. 0.018 min

Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

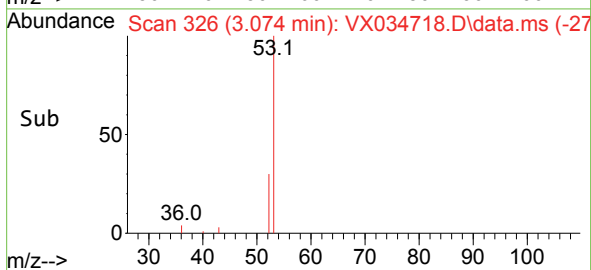
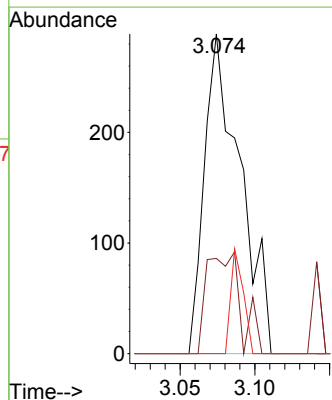
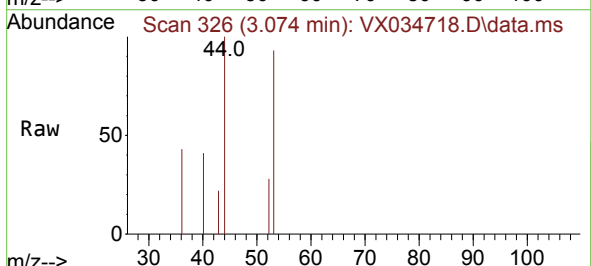
Tgt Ion: 53 Resp: 479

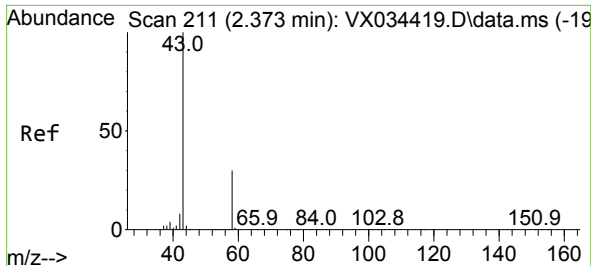
Ion Ratio Lower Upper

53 100

52 30.1 66.2 99.2#

51 0.0 28.3 42.5#

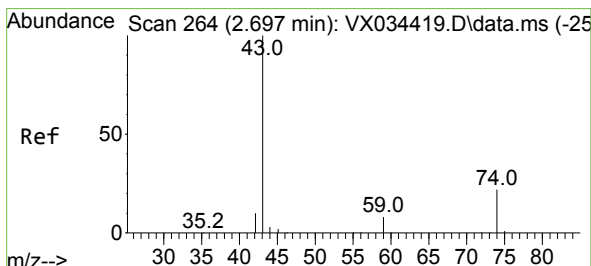
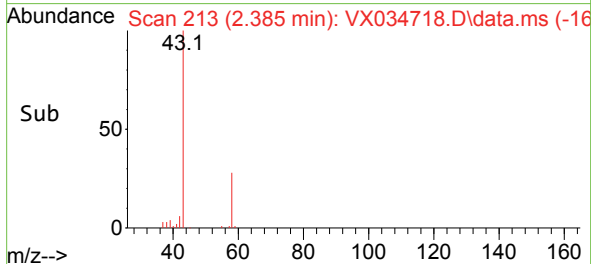
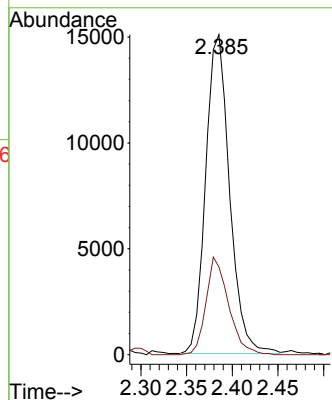
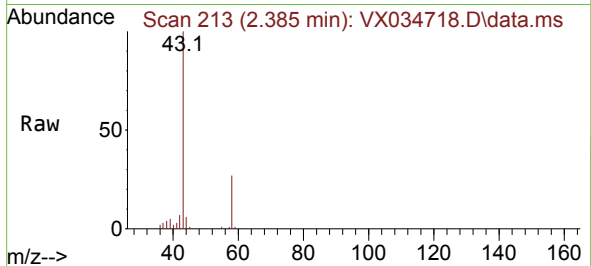




#16
Acetone
Concen: 12.565 ug/l
RT: 2.385 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

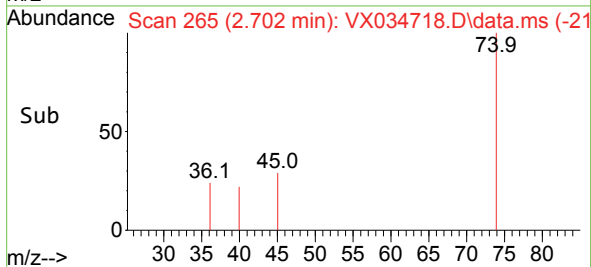
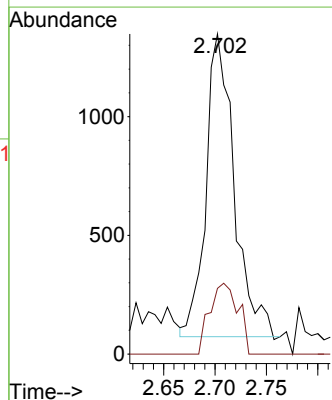
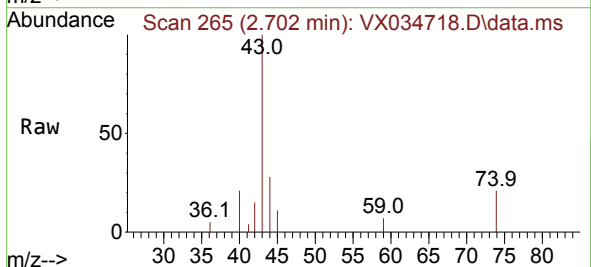
Instrument :
MSVOA_X
ClientSampleId :

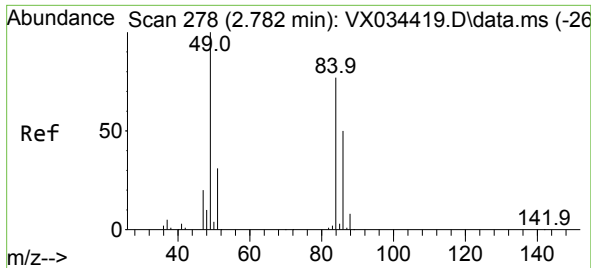
Tgt Ion: 43 Resp: 27343
Ion Ratio Lower Upper
43 100
58 27.5 24.7 37.1



#18
Methyl Acetate
Concen: 0.341 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

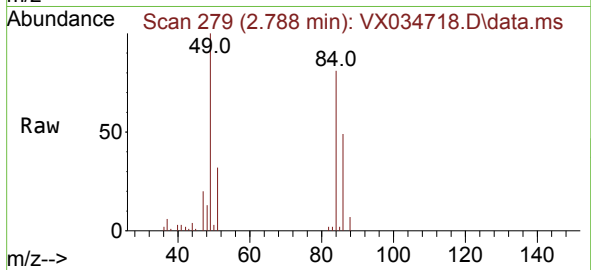
Tgt Ion: 43 Resp: 2427
Ion Ratio Lower Upper
43 100
74 23.7 18.3 27.5





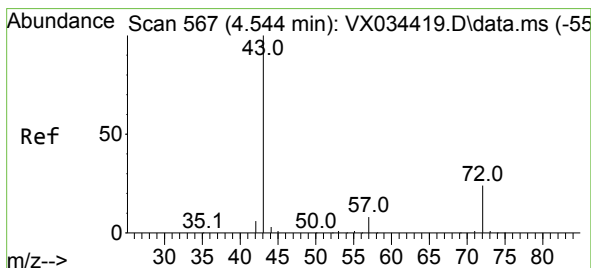
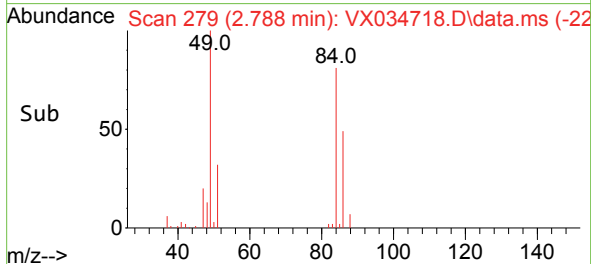
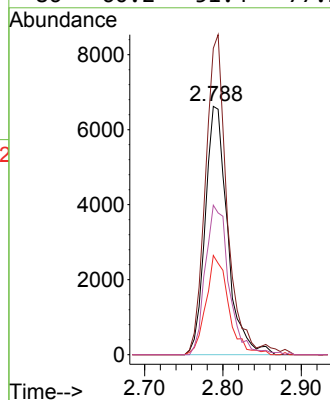
#20
Methylene Chloride
Concen: 3.101 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 13098

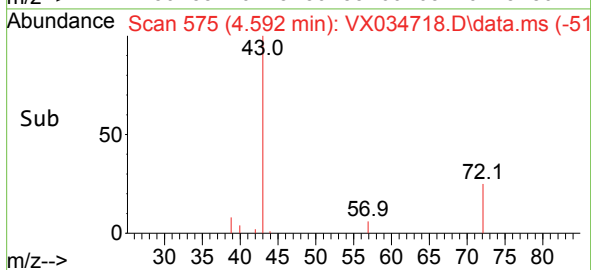
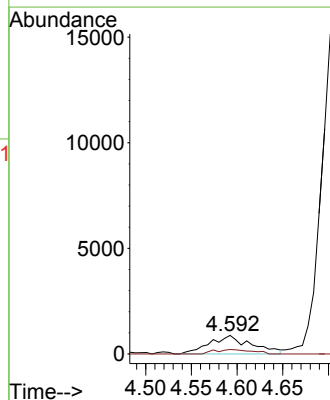
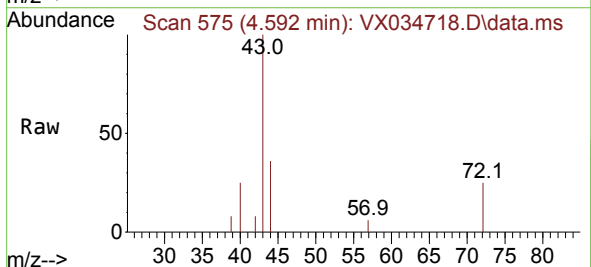
Ion	Ratio	Lower	Upper
84	100		
49	123.3	103.8	155.8
51	40.0	31.8	47.8
86	60.2	51.4	77.2

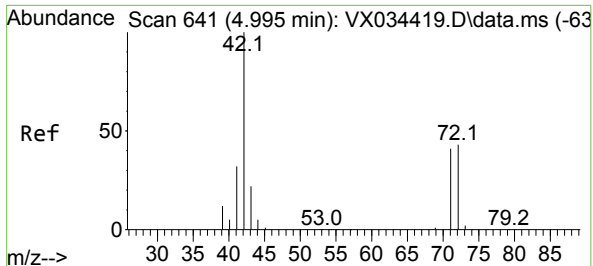


#25
2-Butanone
Concen: 0.895 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.048 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Tgt Ion: 43 Resp: 2786

Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.480 ug/l

RT: 5.037 min Scan# 641

Delta R.T. 0.042 min

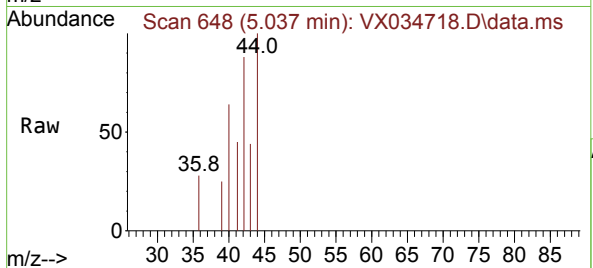
Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :



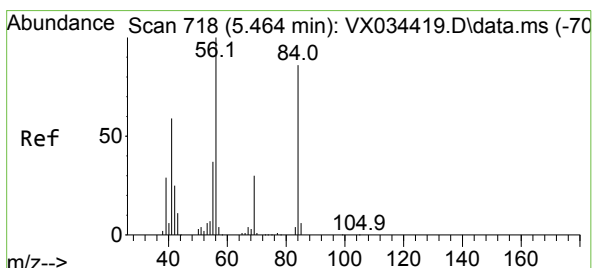
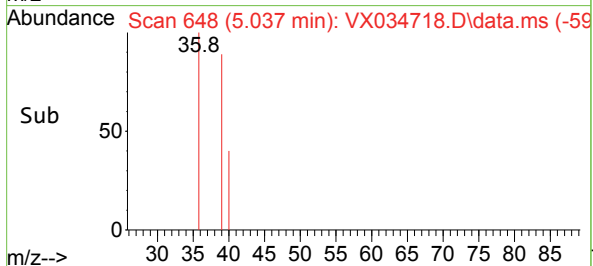
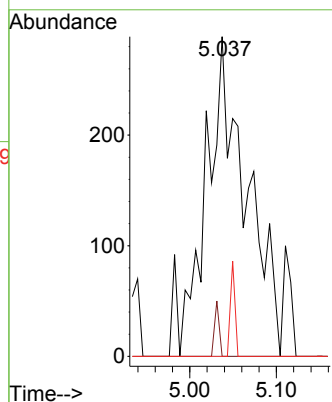
Tgt Ion: 42 Resp: 923

Ion Ratio Lower Upper

42 100

72 2.0 34.5 51.7#

71 3.4 32.1 48.1#



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

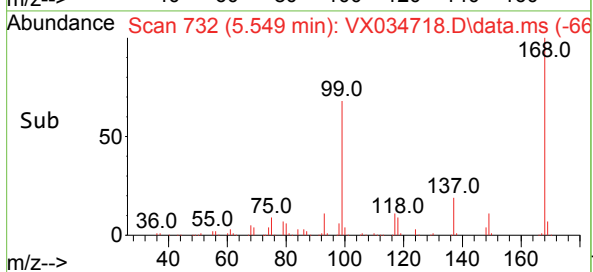
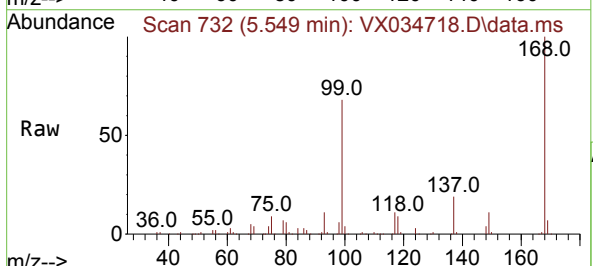
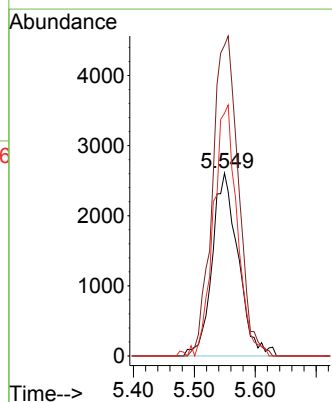
Tgt Ion: 56 Resp: 7701

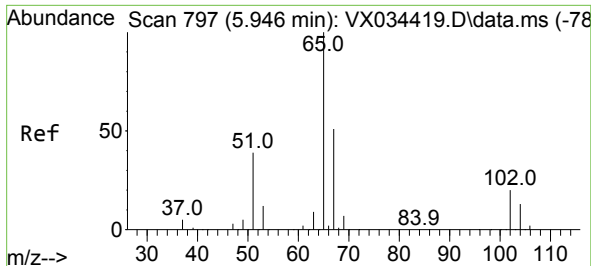
Ion Ratio Lower Upper

56 100

69 169.9 23.7 35.5#

84 132.7 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 50.742 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

Instrument :

MSVOA_X

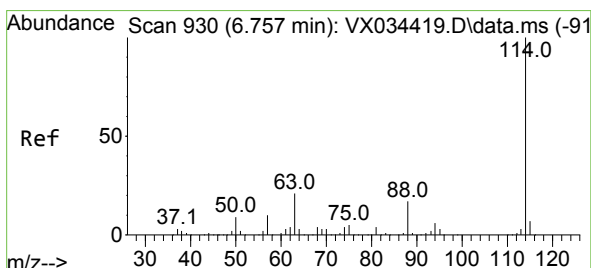
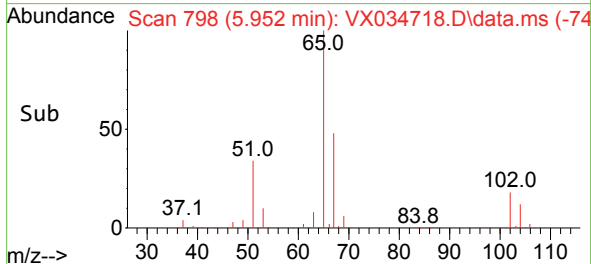
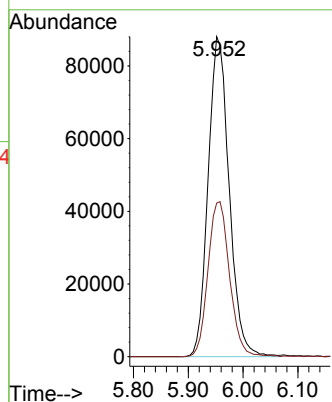
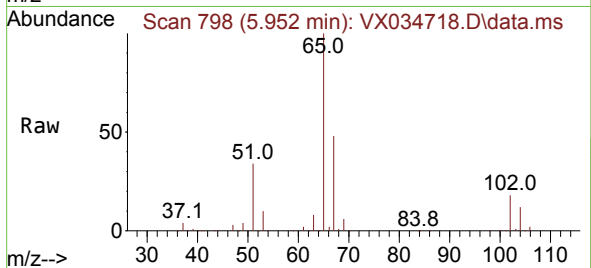
ClientSampleId :

Tgt Ion: 65 Resp: 234414

Ion Ratio Lower Upper

65 100

67 49.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

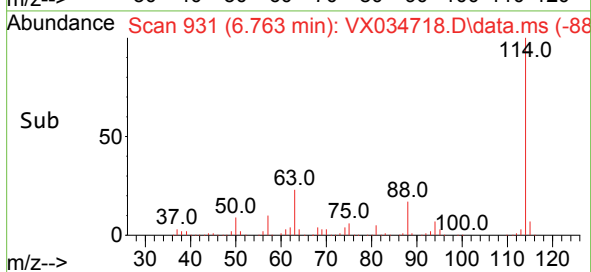
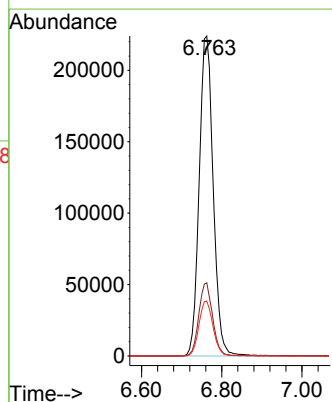
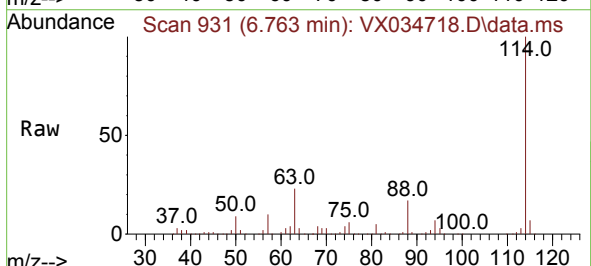
Tgt Ion: 114 Resp: 542741

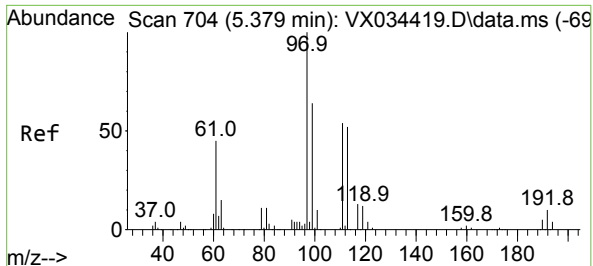
Ion Ratio Lower Upper

114 100

63 22.9 0.0 42.2

88 17.1 0.0 33.2

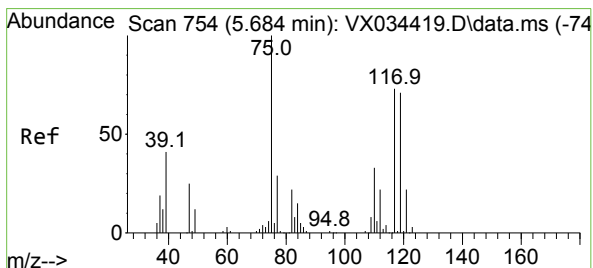
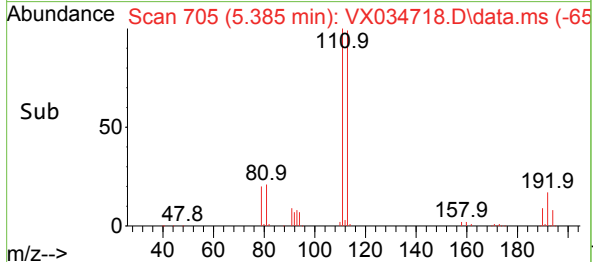
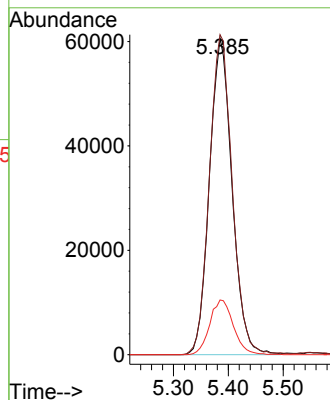
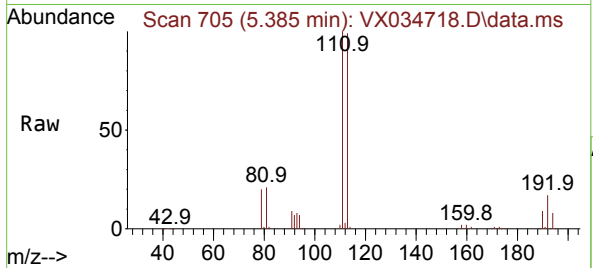




#35
Dibromofluoromethane
Concen: 48.345 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

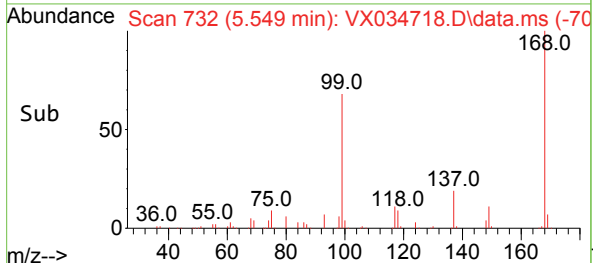
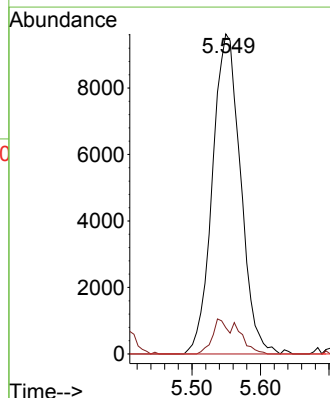
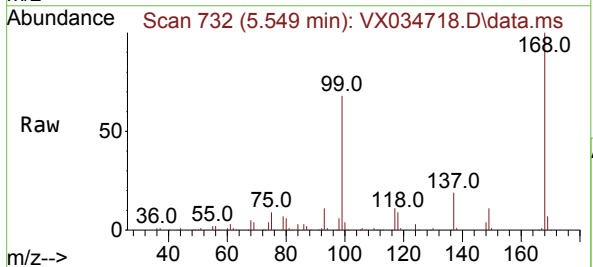
Instrument :
MSVOA_X
ClientSampleId :

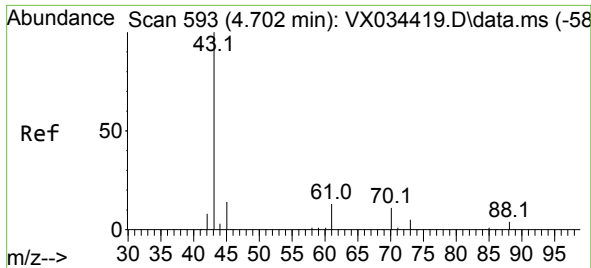
Tgt Ion:113 Resp: 173240
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 18.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Tgt Ion: 75 Resp: 27400
Ion Ratio Lower Upper
75 100
110 6.1 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 9.643 ug/l

RT: 4.714 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034718.D

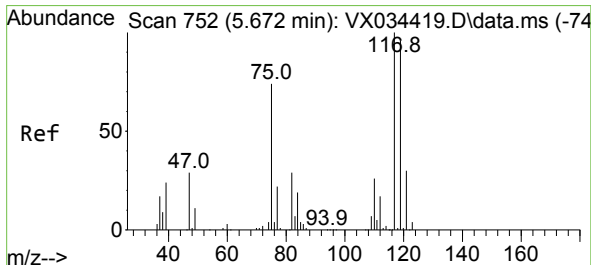
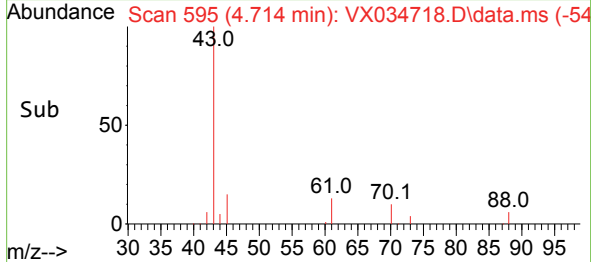
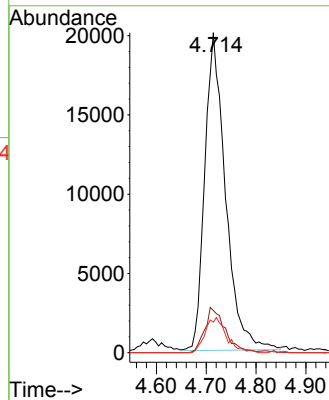
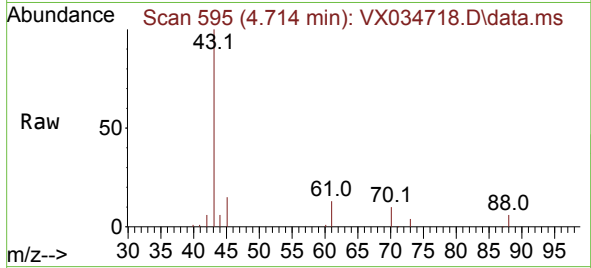
Acq: 24 Mar 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp: 57984
Ion Ratio	Lower Upper
43 100	
61 13.9	10.2 15.4
70 11.3	8.2 12.4



#38

Carbon Tetrachloride

Concen: 6.287 ug/l

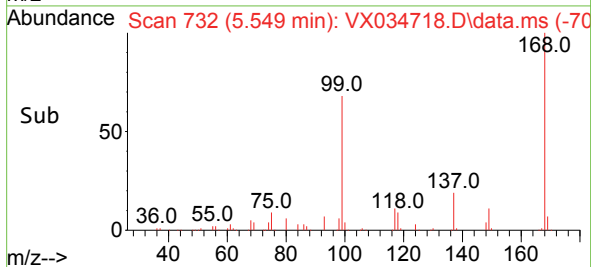
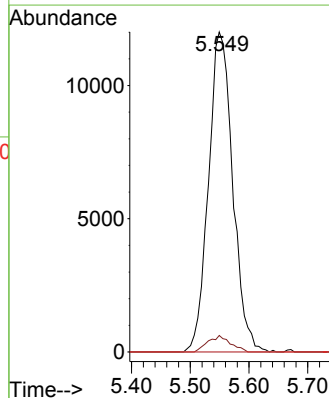
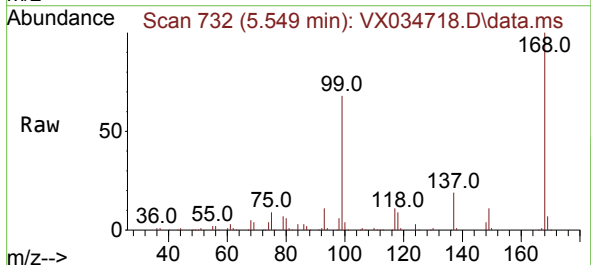
RT: 5.549 min Scan# 732

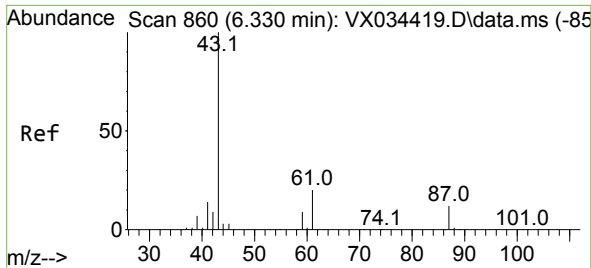
Delta R.T. -0.122 min

Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

Tgt Ion: 117	Resp: 34424
Ion Ratio	Lower Upper
117 100	
119 5.2	76.6 114.8#
121 0.0	23.8 35.6#

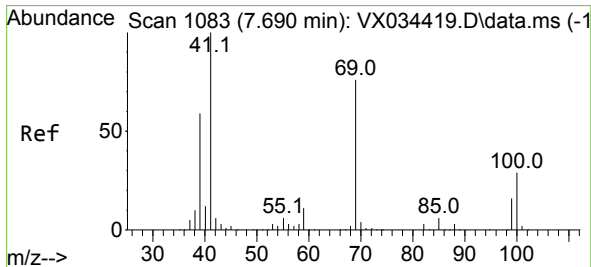
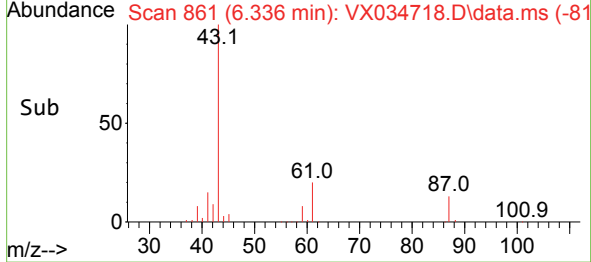
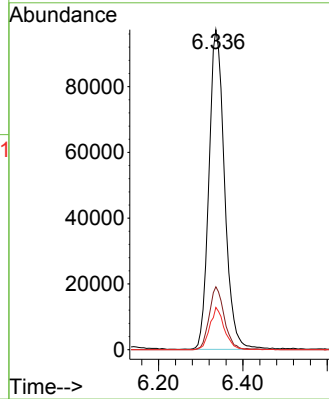
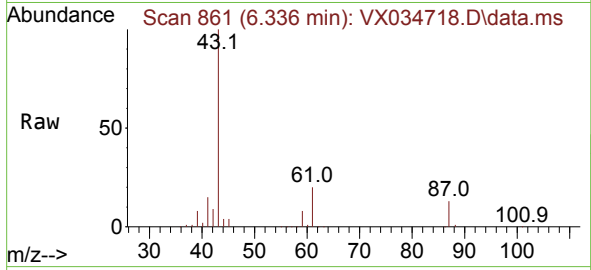




#43
Isopropyl Acetate
Concen: 24.590 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

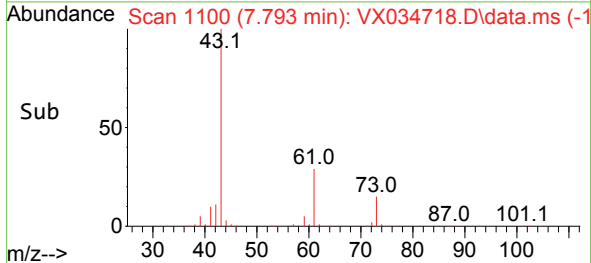
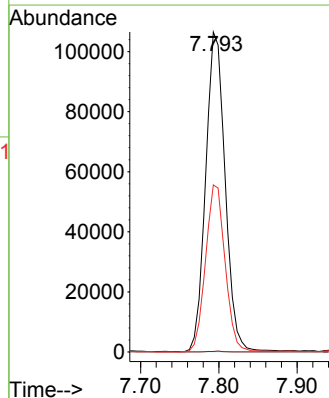
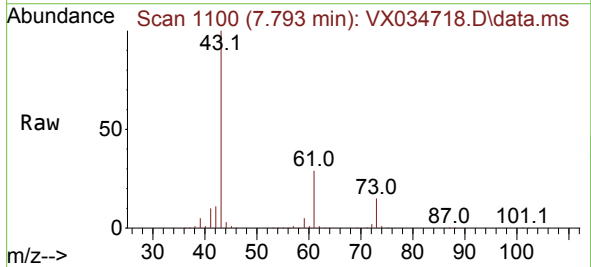
Instrument :
MSVOA_X
ClientSampleId :

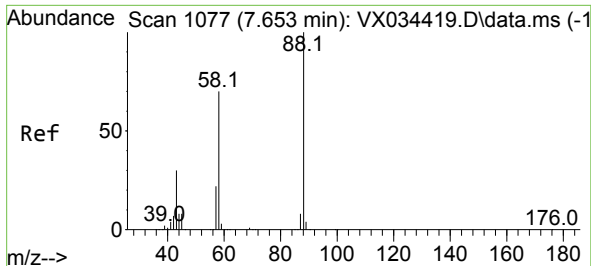
Tgt Ion: 43 Resp: 250479
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 37.412 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Tgt Ion: 41 Resp: 183284
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 52.7 47.7 71.5





#49

1,4-Dioxane

Concen: 3.401 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.146 min

Lab File: VX034718.D

Acq: 24 Mar 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

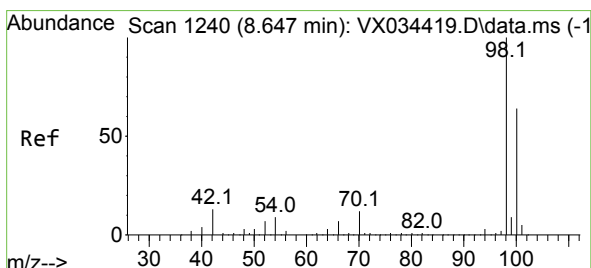
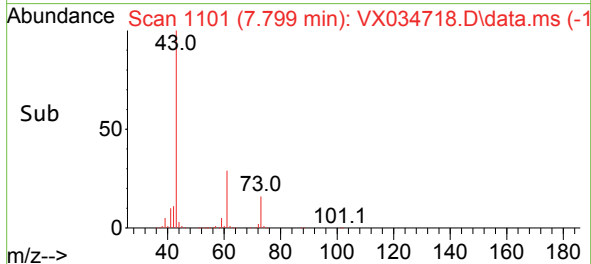
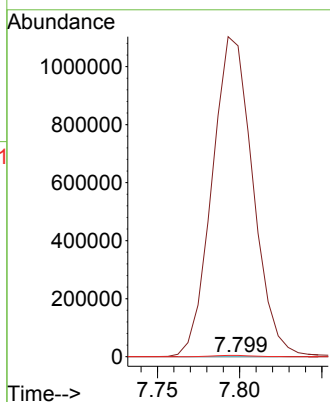
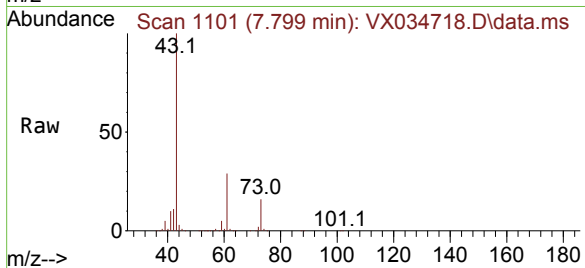
Tgt Ion: 88 Resp: 350

Ion Ratio Lower Upper

88 100

43 548472.9 27.7 41.5#

58 2233.1 56.8 85.2#



#50

Toluene-d8

Concen: 48.993 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034718.D

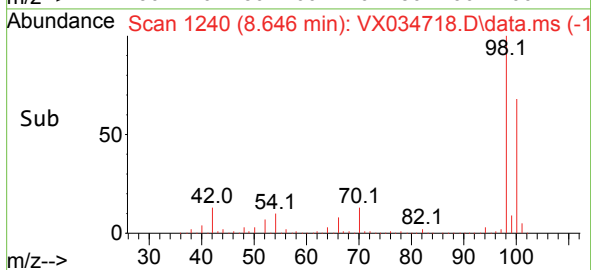
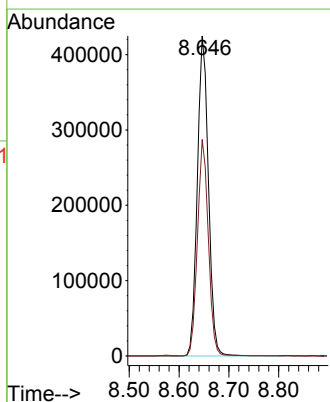
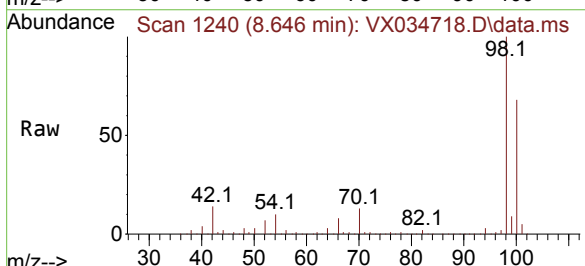
Acq: 24 Mar 2023 14:09

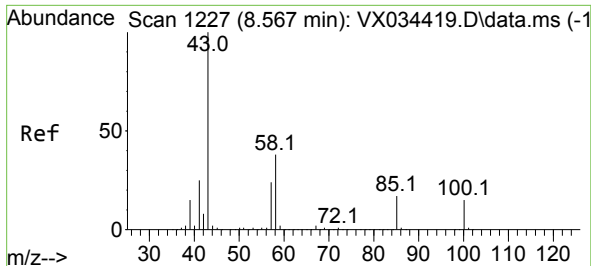
Tgt Ion: 98 Resp: 655389

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7

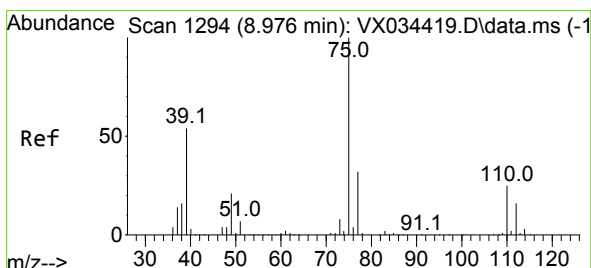
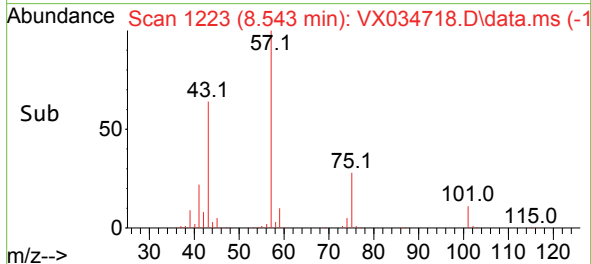
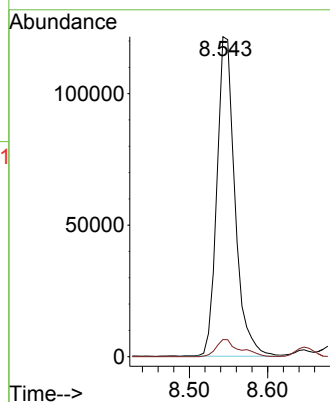
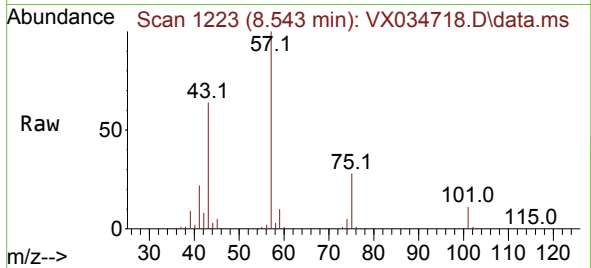




#51
4-Methyl-2-Pentanone
Concen: 32.899 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

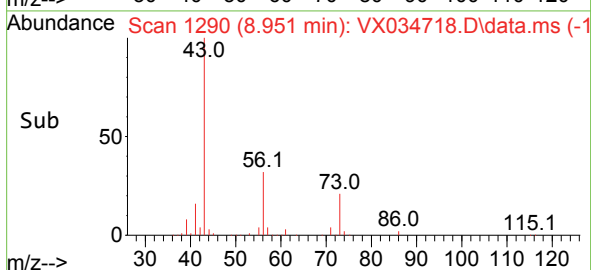
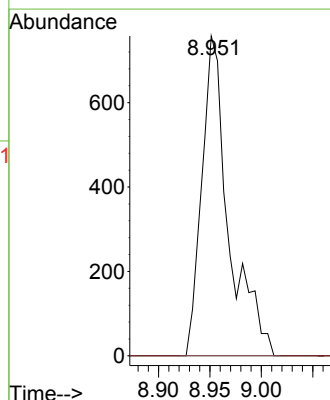
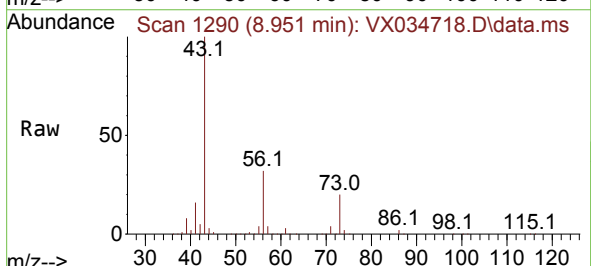
Instrument :
MSVOA_X
ClientSampleId :

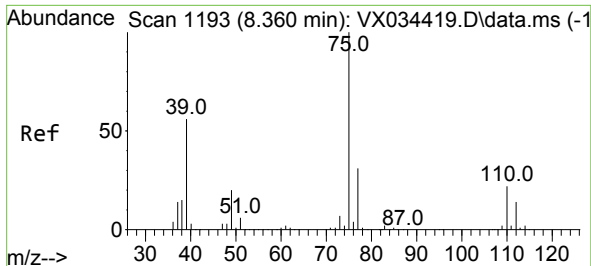
Tgt Ion: 43 Resp: 194402
Ion Ratio Lower Upper
43 100
58 6.9 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.223 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Tgt Ion: 75 Resp: 1388
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

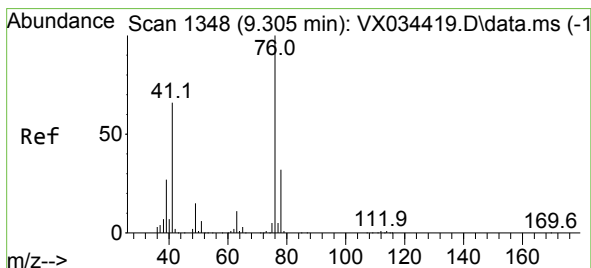
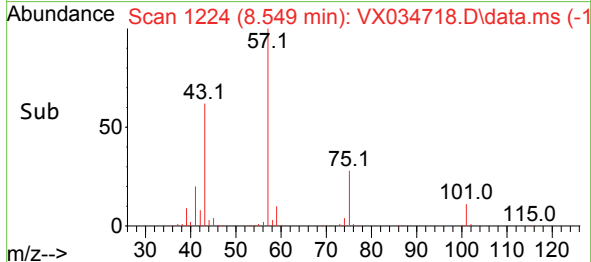
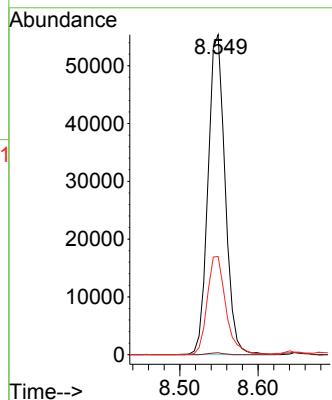
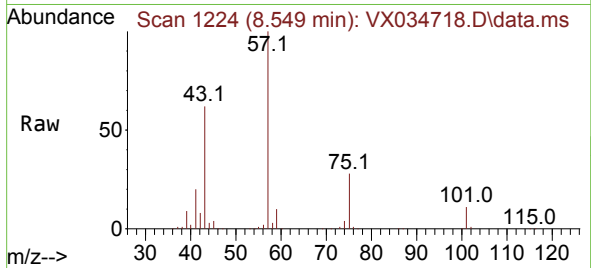




#54
 cis-1,3-Dichloropropene
 Concen: 12.398 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034718.D
 Acq: 24 Mar 2023 14:09

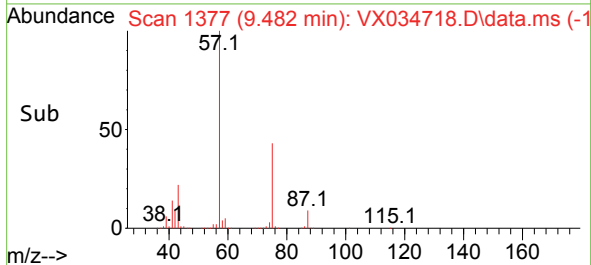
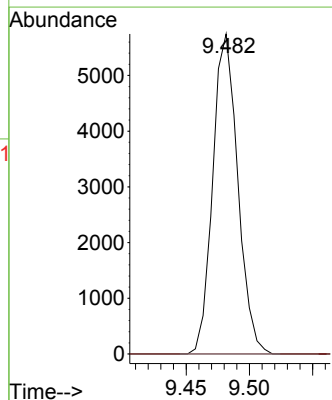
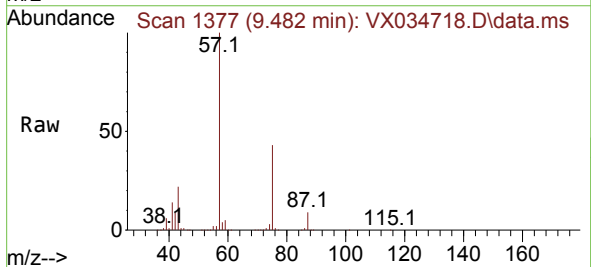
Instrument :
 MSVOA_X
 ClientSampleId :

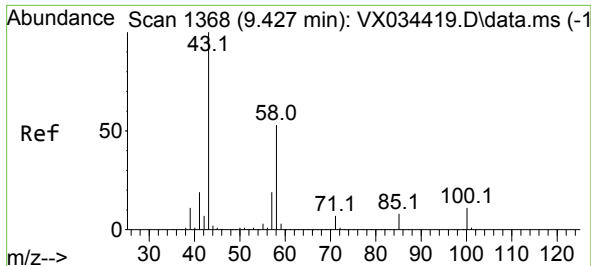
Tgt Ion: 75 Resp: 83593
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 30.6 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.123 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.176 min
 Lab File: VX034718.D
 Acq: 24 Mar 2023 14:09

Tgt Ion: 76 Resp: 7896
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

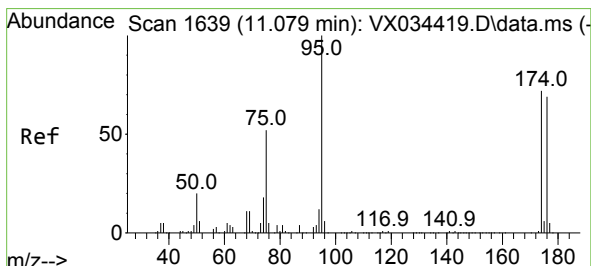
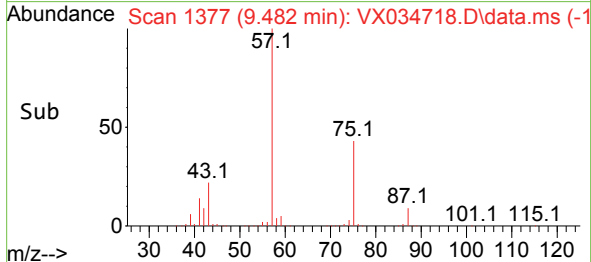
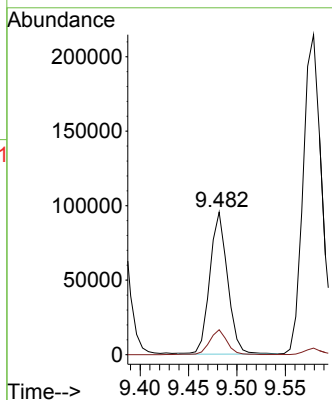
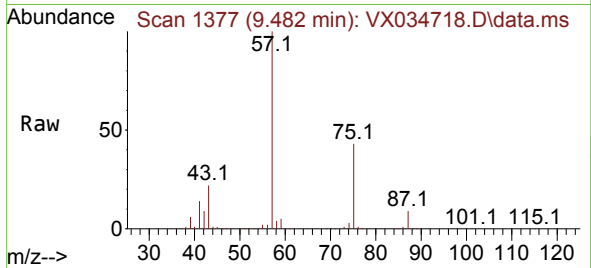




#59
2-Hexanone
Concen: 26.768 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

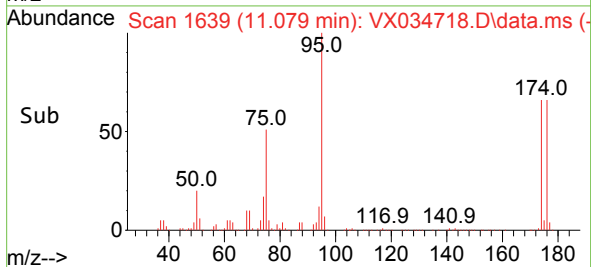
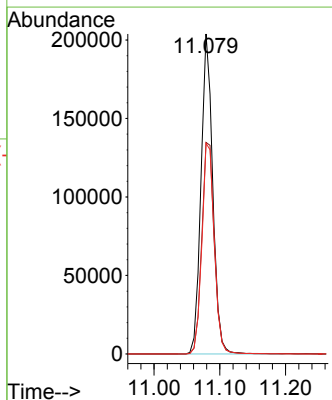
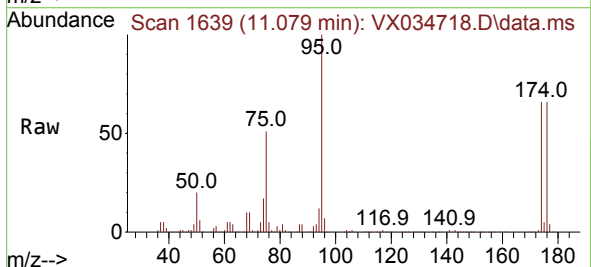
Instrument :
MSVOA_X
ClientSampleId :

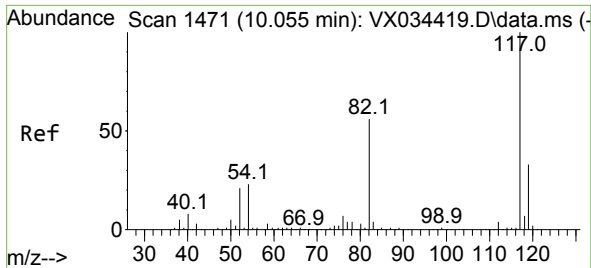
Tgt Ion: 43 Resp: 122271
Ion Ratio Lower Upper
43 100
58 17.5 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 46.775 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

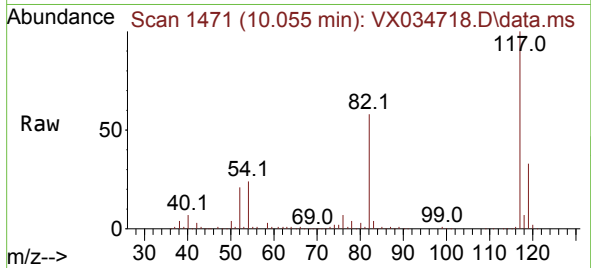
Tgt Ion: 95 Resp: 252744
Ion Ratio Lower Upper
95 100
174 70.8 0.0 147.4
176 69.8 0.0 140.6



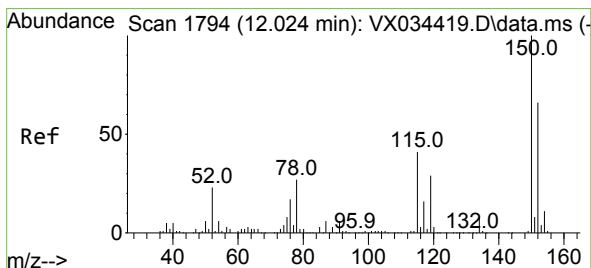
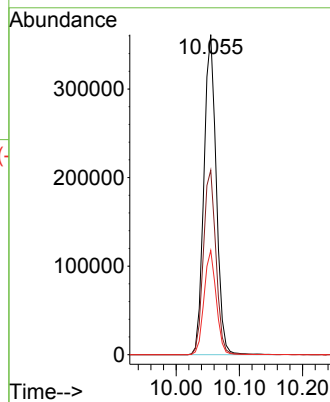
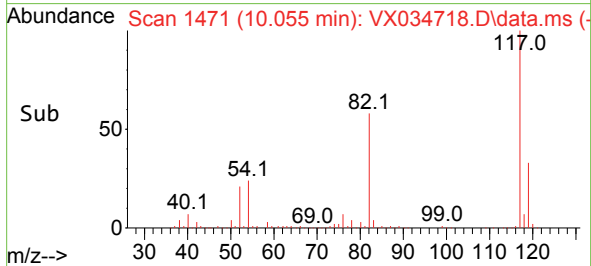


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

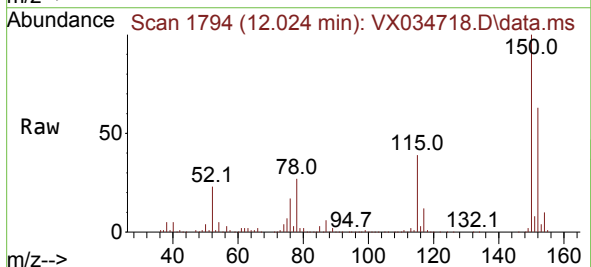
Instrument :
MSVOA_X
ClientSampleId :



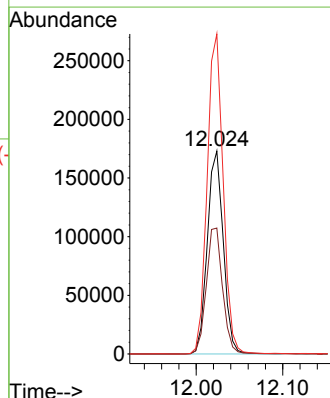
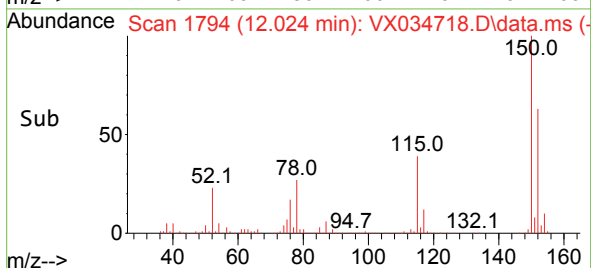
Tgt Ion:117 Resp: 491498
Ion Ratio Lower Upper
117 100
82 57.7 45.0 67.4
119 32.6 26.0 39.0

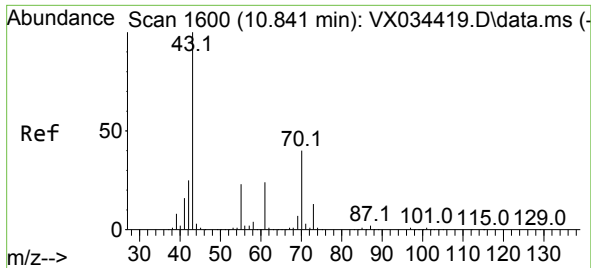


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09



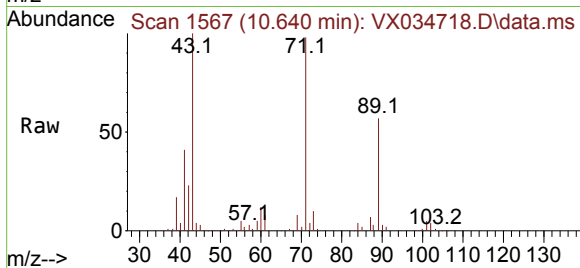
Tgt Ion:152 Resp: 222004
Ion Ratio Lower Upper
152 100
115 63.3 45.0 135.0
150 157.5 0.0 352.4



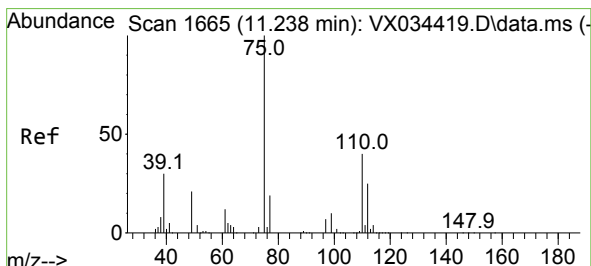
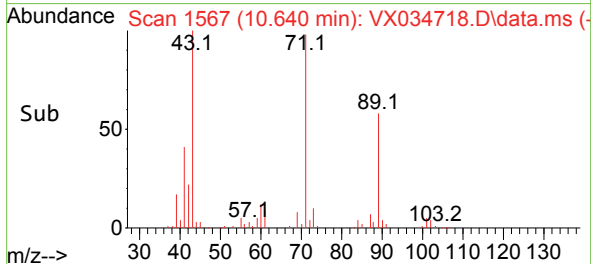
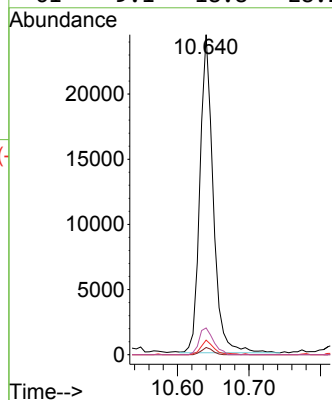


#74
N-amy1 acetate
Concen: 3.822 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.202 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Instrument :
MSVOA_X
ClientSampleId :

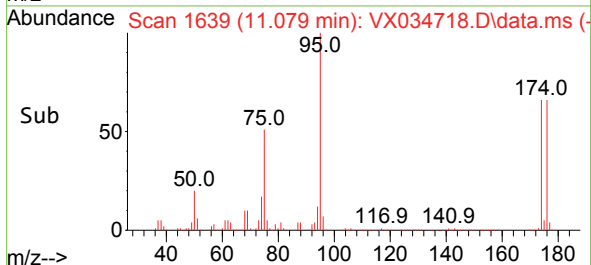
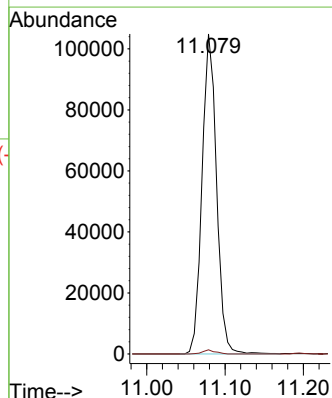
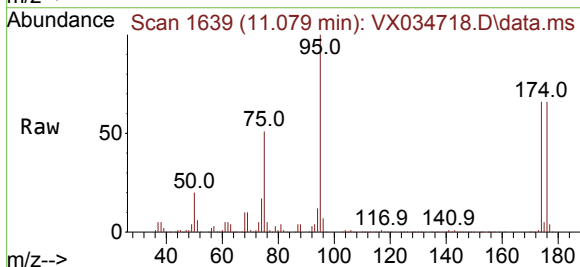


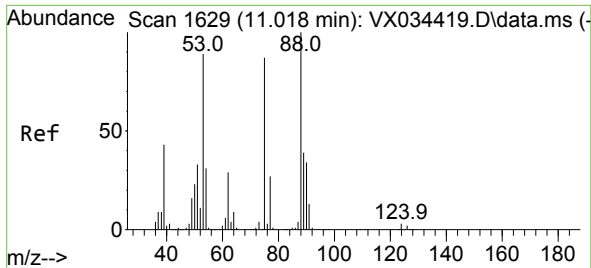
Tgt Ion:	43	Resp:	31413
Ion	Ratio	Lower	Upper
43	100		
70	1.9	32.1	48.1#
55	4.5	18.3	27.5#
61	9.1	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 26.431 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Tgt Ion:	75	Resp:	134730
Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.6	64.8#

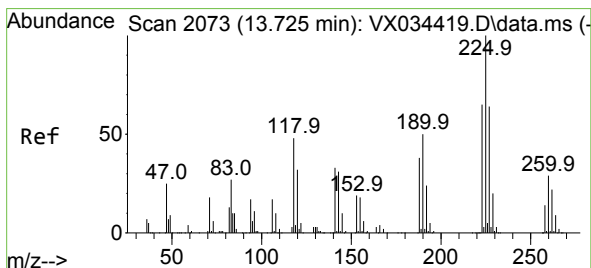
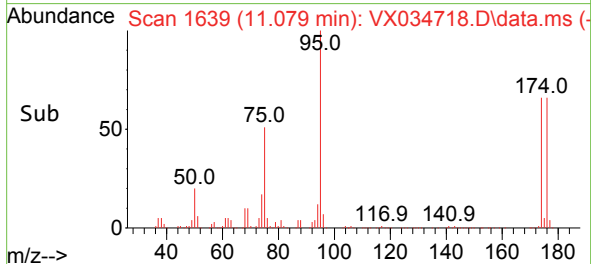
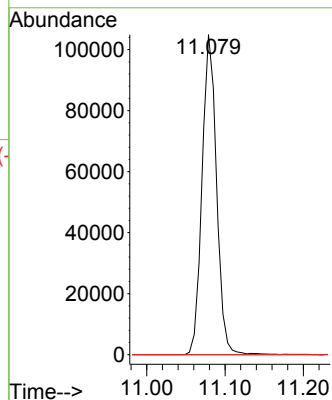
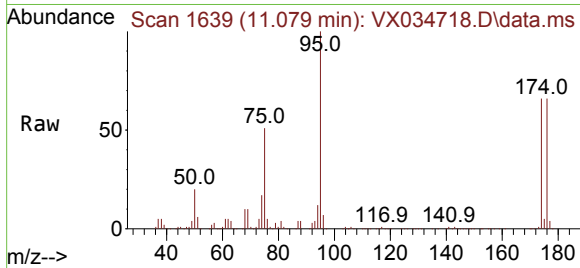




#81
trans-1,4-Dichloro-2-butene
Concen: 71.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 134730
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#94
Hexachlorobutadiene
Concen: 0.529 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX034718.D
Acq: 24 Mar 2023 14:09

Tgt Ion: 225 Resp: 1039
Ion Ratio Lower Upper
225 100
223 57.5 32.1 96.5
227 61.4 31.8 95.4

