

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034329.D
 Acq On : 03 Mar 2023 17:45
 Operator : JC/MD
 Sample : 01767-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

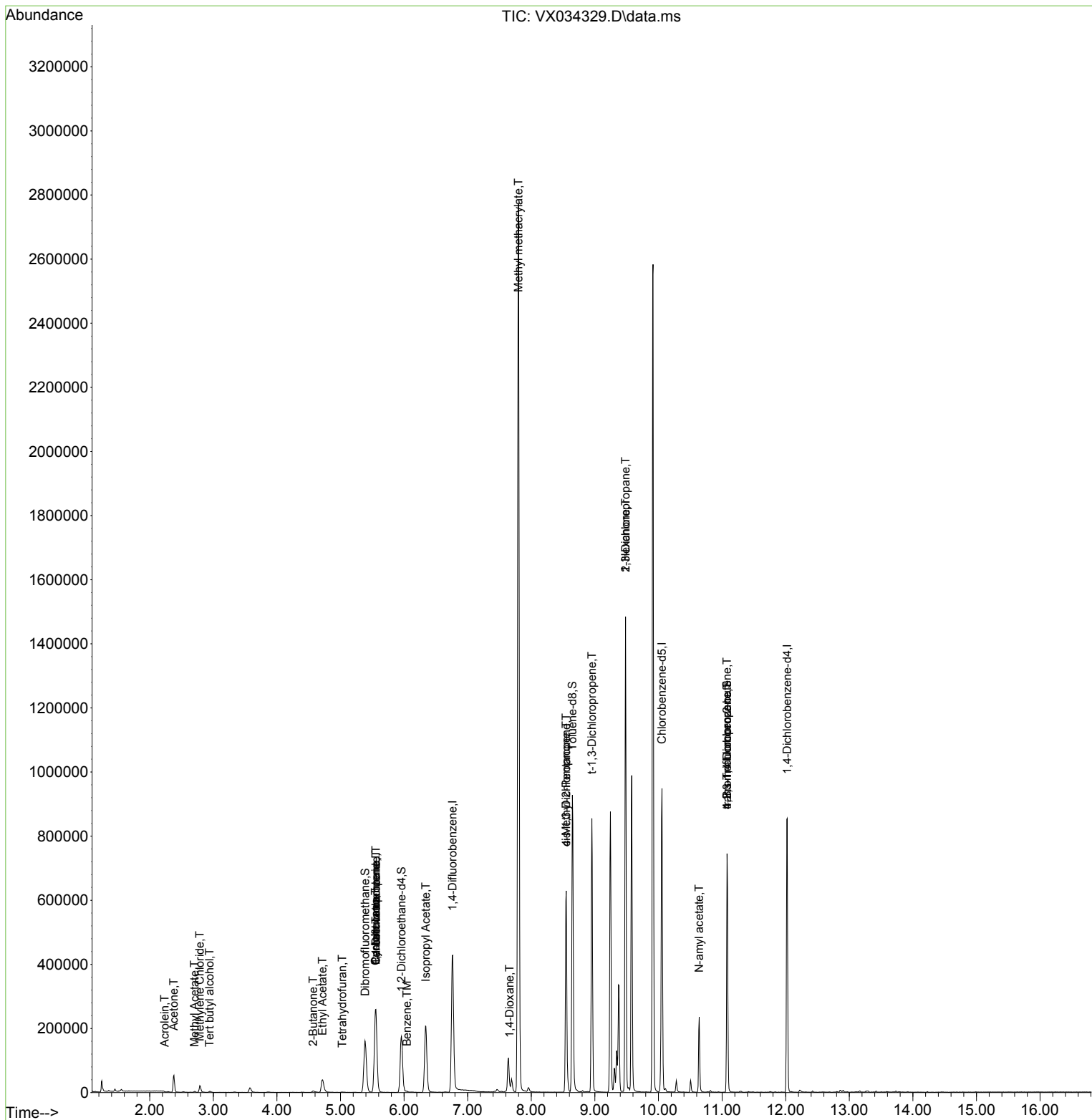
Quant Time: Mar 03 22:15:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

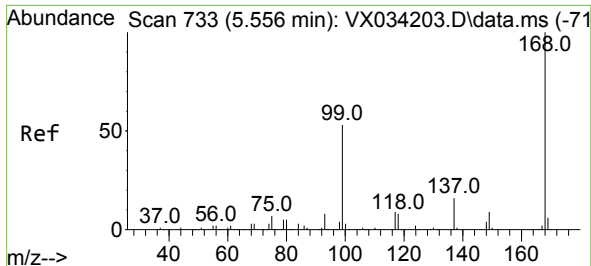
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	262624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	443276	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162541	45.955	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.920%
35) Dibromofluoromethane	5.385	113	139435	48.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.620%
50) Toluene-d8	8.647	98	542229	52.327	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.660%
62) 4-Bromofluorobenzene	11.079	95	191291	48.262	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.520%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	40	Below Cal	#	3
11) Tert butyl alcohol	2.941	59	2435	3.078	ug/l #	89
13) Acrolein	2.233	56	294	0.814	ug/l #	14
16) Acetone	2.380	43	54450	29.843	ug/l	93
18) Methyl Acetate	2.703	43	3398	0.602	ug/l	96
20) Methylene Chloride	2.788	84	9850	2.996	ug/l	95
25) 2-Butanone	4.568	43	6791	2.572	ug/l #	86
29) Tetrahydrofuran	5.026	42	1192	0.740	ug/l #	41
31) Cyclohexane	5.550	56	5478	1.037	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	19348	4.533	ug/l #	48
37) Ethyl Acetate	4.715	43	72237	15.143	ug/l	99
38) Carbon Tetrachloride	5.556	117	25026	5.698	ug/l #	15
40) Benzene	6.044	78	3269	0.258	ug/l #	81
43) Isopropyl Acetate	6.342	43	295315	35.082	ug/l	99
48) Methyl methacrylate	7.799	41	234178	58.611	ug/l #	45
49) 1,4-Dioxane	7.659	88	19	0.238	ug/l #	14
51) 4-Methyl-2-Pentanone	8.549	43	220682	47.649	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1684	0.322	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	102359	18.265	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	11985	2.227	ug/l #	43
59) 2-Hexanone	9.482	43	171674	48.638	ug/l #	50
74) N-amyl acetate	10.640	43	63599	8.989	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	96660	20.788	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	96660	53.402	ug/l #	8

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
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QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

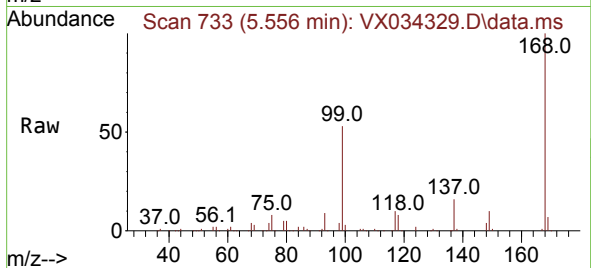
Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

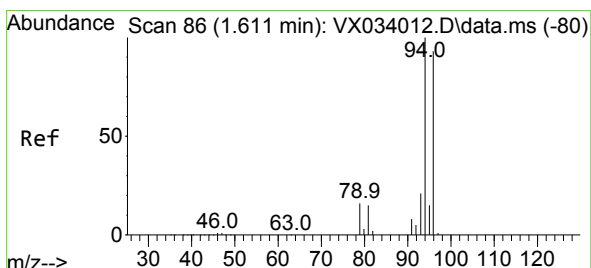
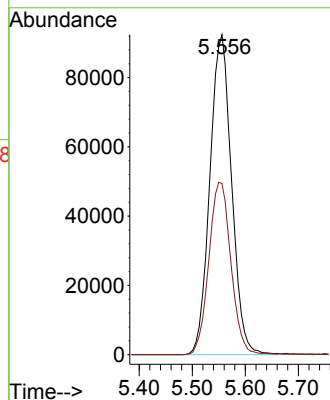
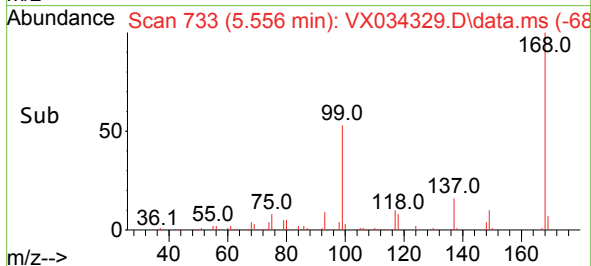


Tgt Ion:168 Resp: 262624

Ion Ratio Lower Upper

168 100

99 53.4 39.6 59.4



#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX034329.D

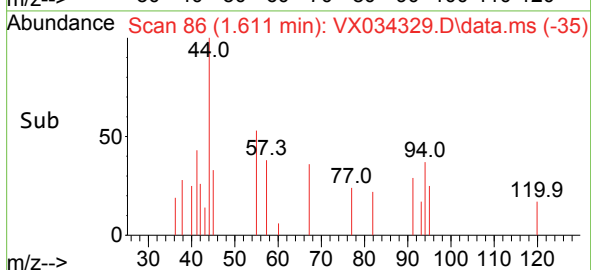
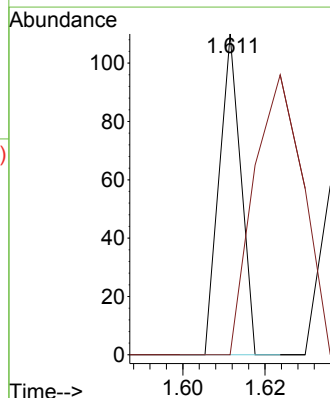
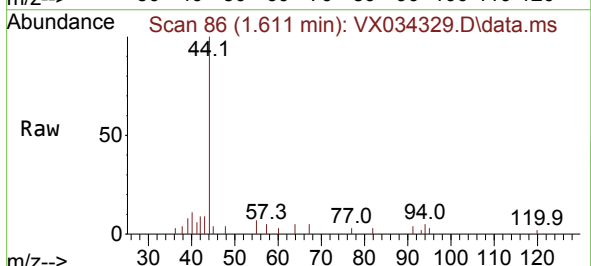
Acq: 03 Mar 2023 17:45

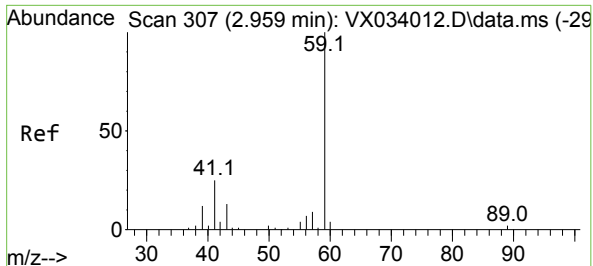
Tgt Ion: 94 Resp: 40

Ion Ratio Lower Upper

94 100

96 0.0 74.3 111.5#





#11

Tert butyl alcohol

Concen: 3.078 ug/l

RT: 2.941 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Instrument :

MSVOA_X

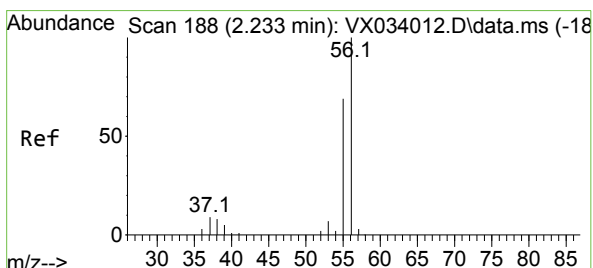
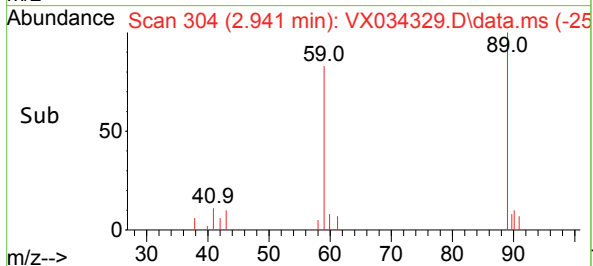
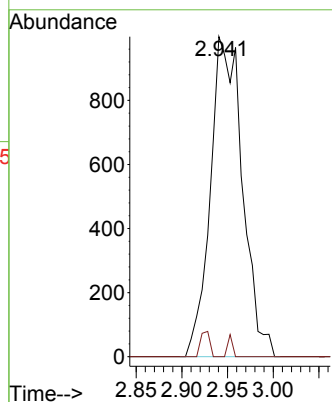
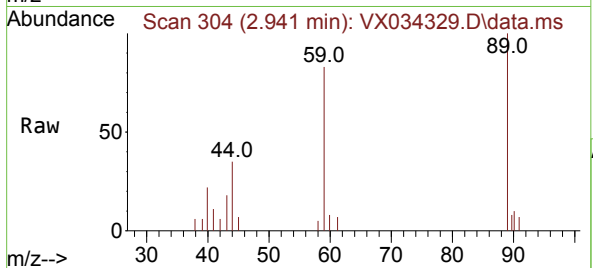
ClientSampleId :

Tgt Ion: 59 Resp: 2435

Ion Ratio Lower Upper

59 100

57 1.0 3.7 5.5#



#13

Acrolein

Concen: 0.814 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034329.D

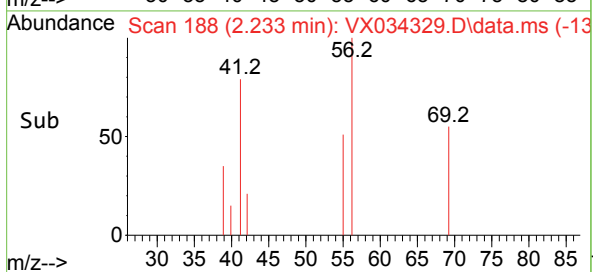
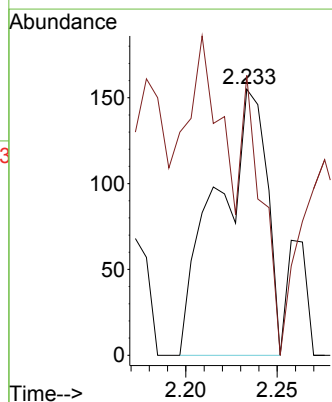
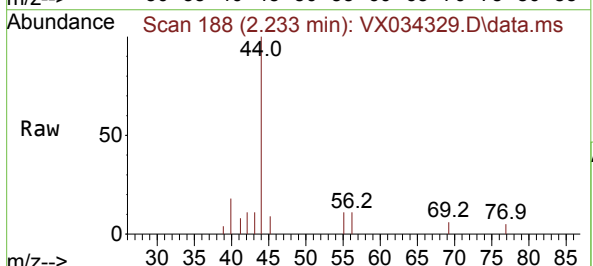
Acq: 03 Mar 2023 17:45

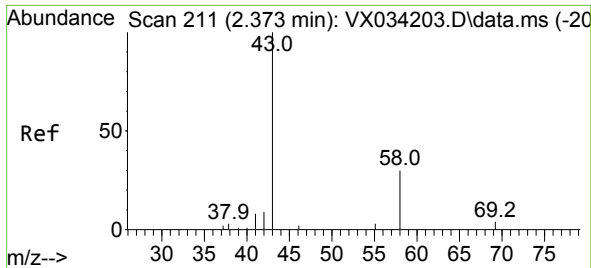
Tgt Ion: 56 Resp: 294

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#

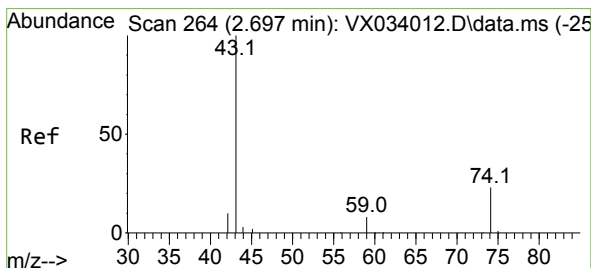
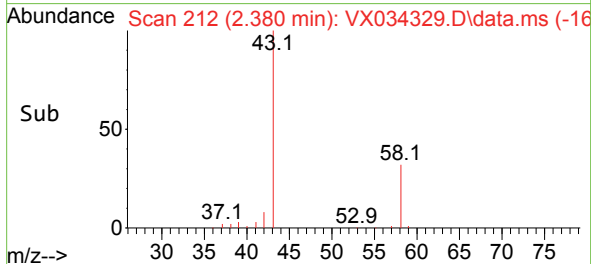
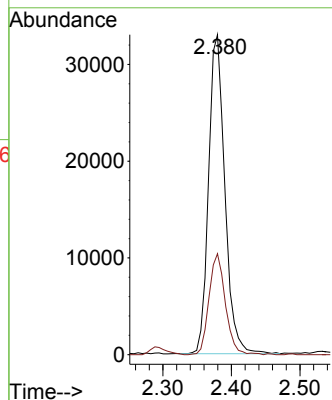
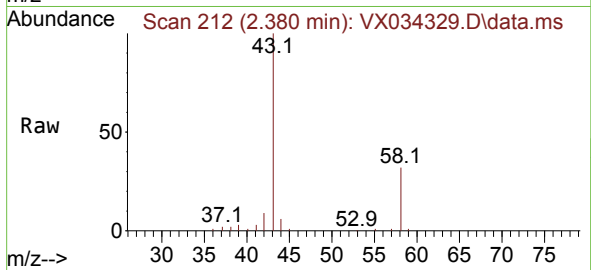




#16
Acetone
Concen: 29.843 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

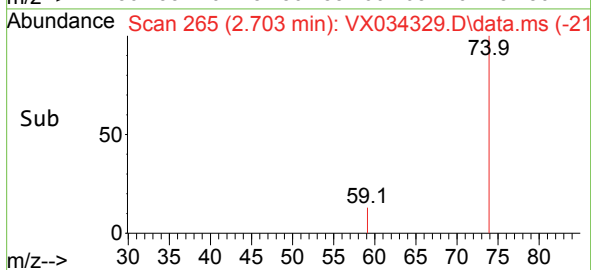
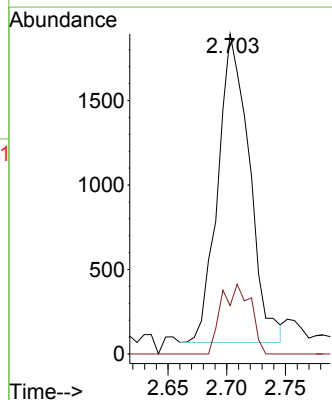
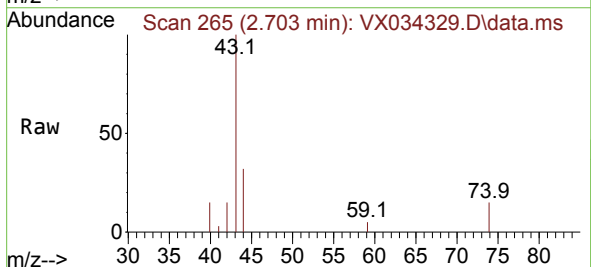
Instrument :
MSVOA_X
ClientSampleId :

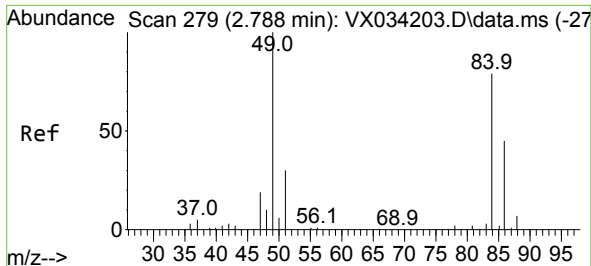
Tgt Ion: 43 Resp: 54450
Ion Ratio Lower Upper
43 100
58 31.7 22.6 33.8



#18
Methyl Acetate
Concen: 0.602 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

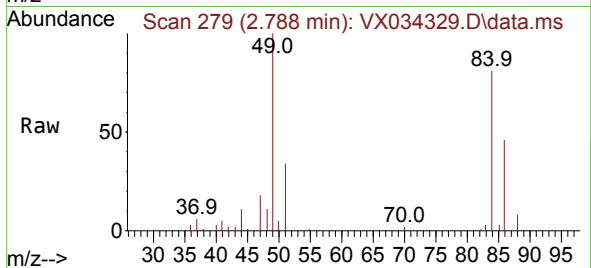
Tgt Ion: 43 Resp: 3398
Ion Ratio Lower Upper
43 100
74 21.1 18.2 27.4



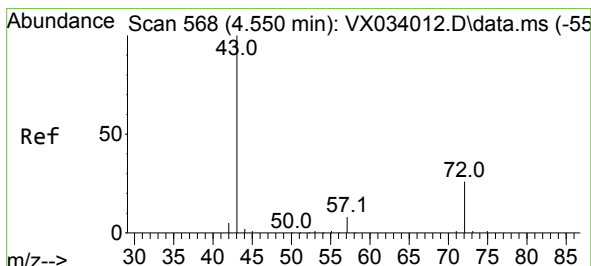
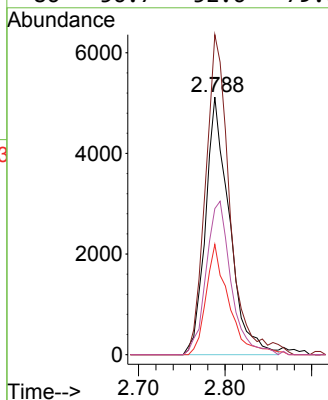
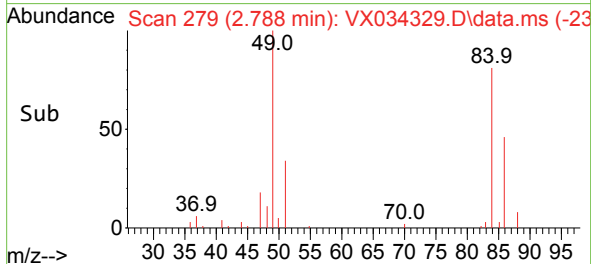


#20
Methylene Chloride
Concen: 2.996 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Instrument :
MSVOA_X
ClientSampleId :

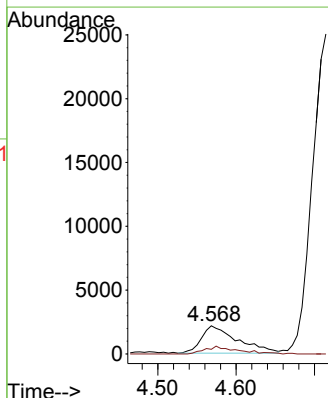
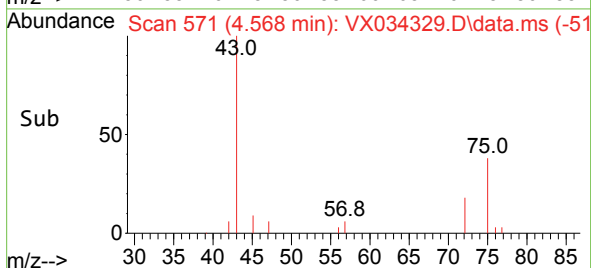
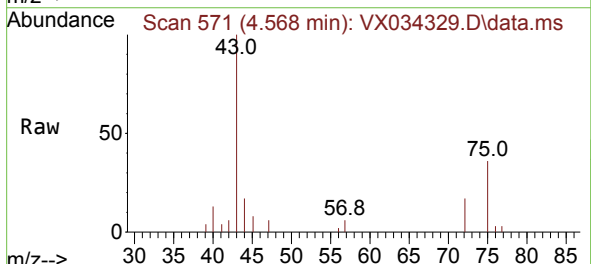


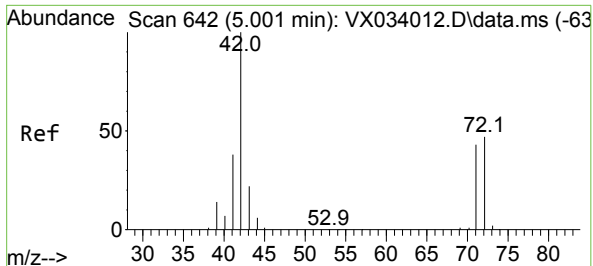
Tgt Ion: 84 Resp: 9850
Ion Ratio Lower Upper
84 100
49 124.2 101.1 151.7
51 42.8 31.0 46.6
86 56.7 52.6 79.0



#25
2-Butanone
Concen: 2.572 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Tgt Ion: 43 Resp: 6791
Ion Ratio Lower Upper
43 100
72 17.1 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.740 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.031 min

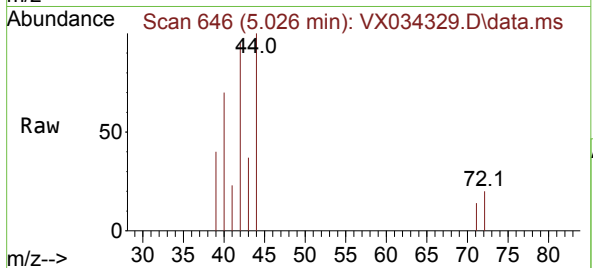
Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

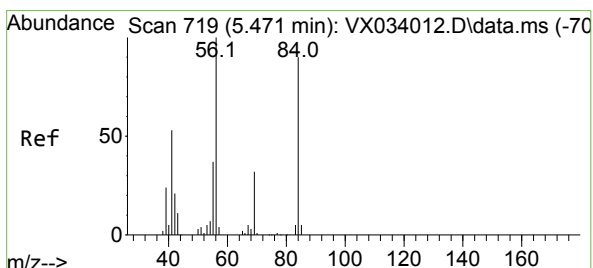
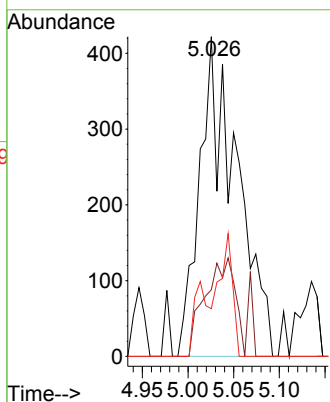
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	1192
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.8	52.2#
71	9.4	32.2	48.2#



#31

Cyclohexane

Concen: 1.037 ug/l

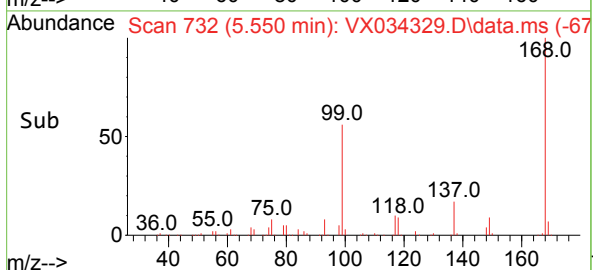
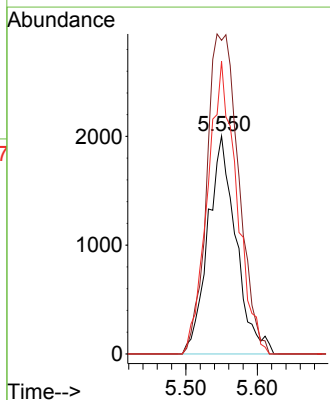
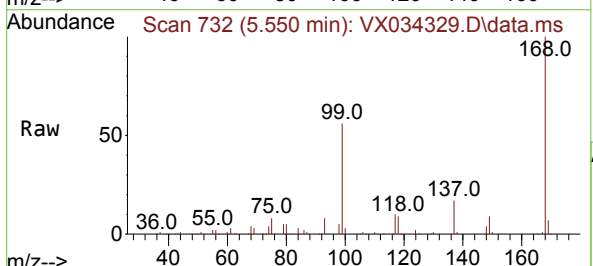
RT: 5.550 min Scan# 732

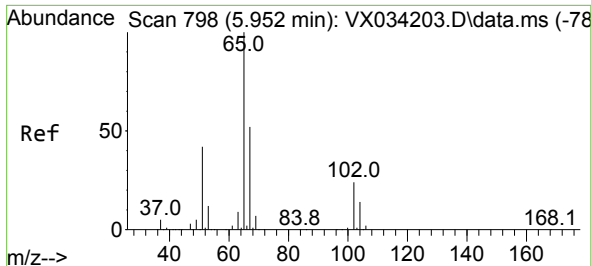
Delta R.T. 0.079 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Tgt Ion:	56	Resp:	5478
Ion	Ratio	Lower	Upper
56	100		
69	143.9	24.6	37.0#
84	134.3	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.955 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Instrument :

MSVOA_X

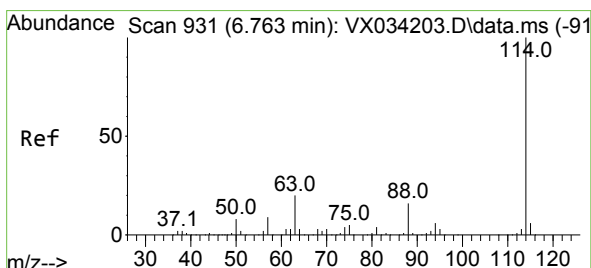
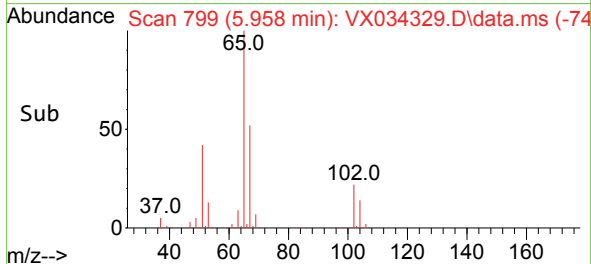
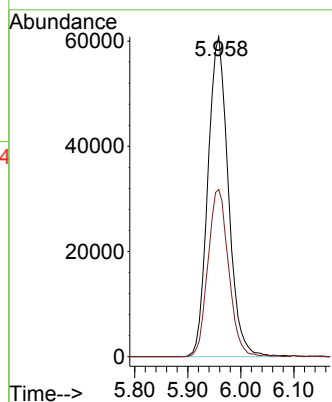
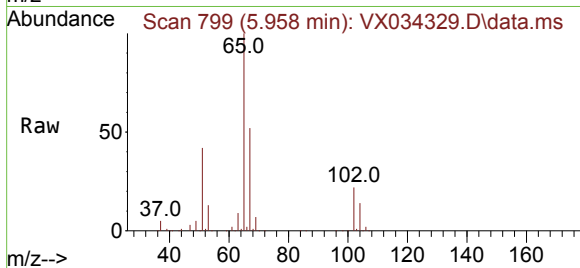
ClientSampleId :

Tgt Ion: 65 Resp: 162541

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

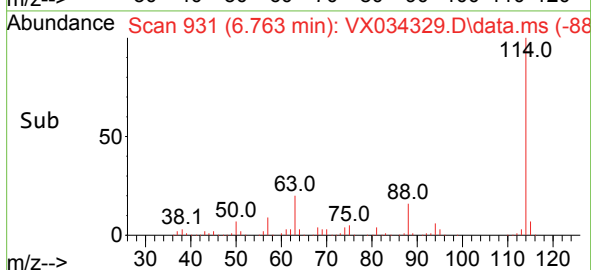
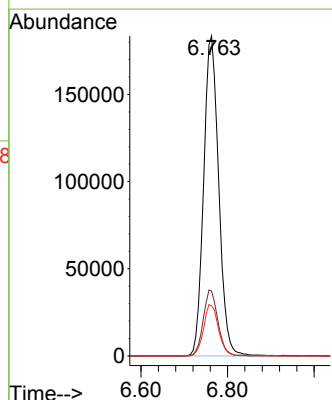
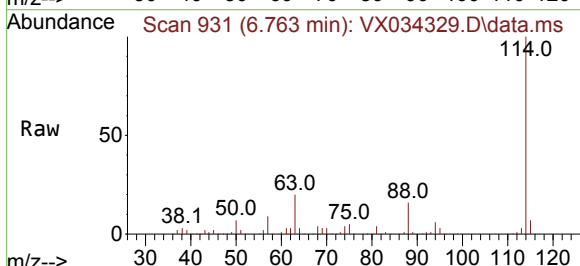
Tgt Ion: 114 Resp: 443276

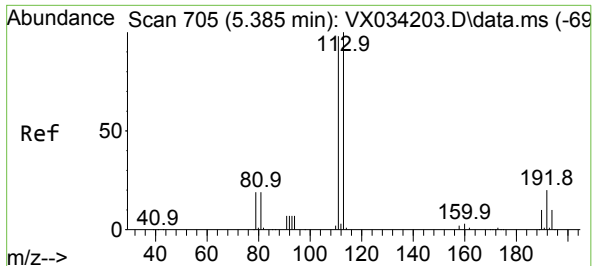
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

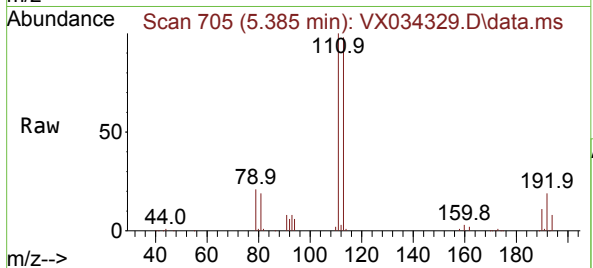
88 15.6 0.0 30.6



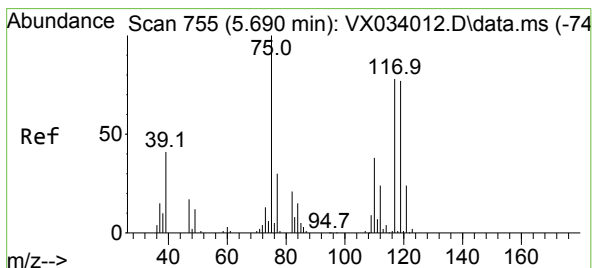
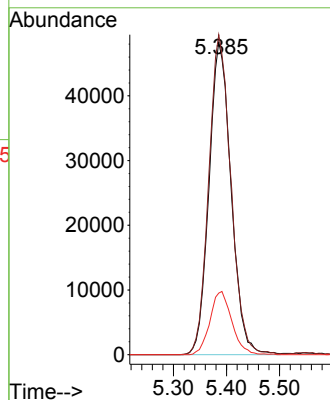
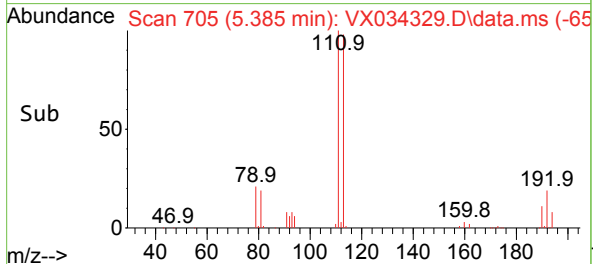


#35
Dibromofluoromethane
Concen: 48.312 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Instrument :
MSVOA_X
ClientSampleId :

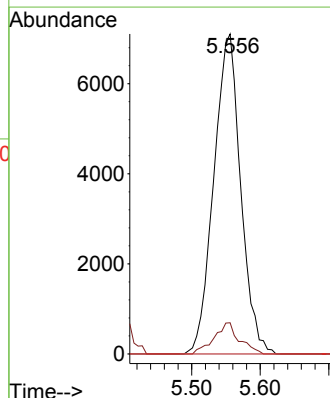
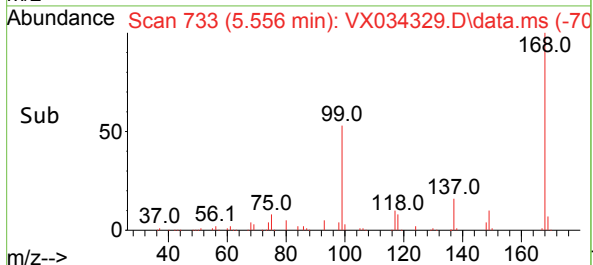
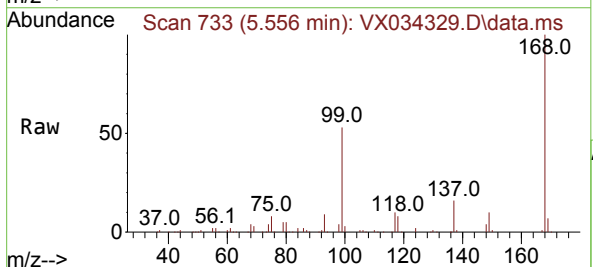


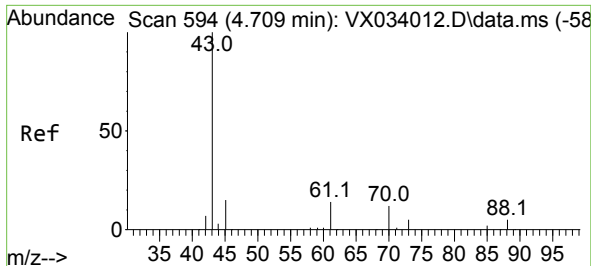
Tgt Ion:113 Resp: 139435
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.6
192 20.1 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.533 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Tgt Ion: 75 Resp: 19348
Ion Ratio Lower Upper
75 100
110 9.2 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 15.143 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

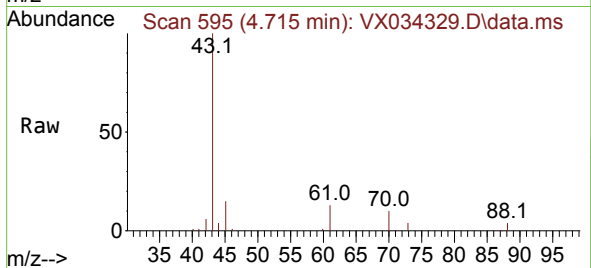
Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :



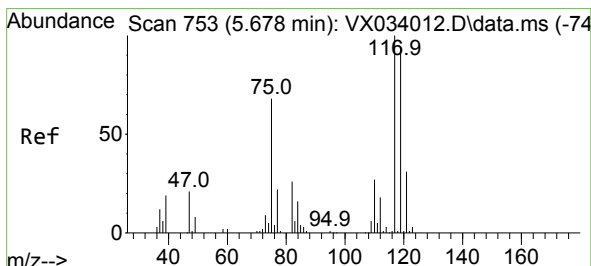
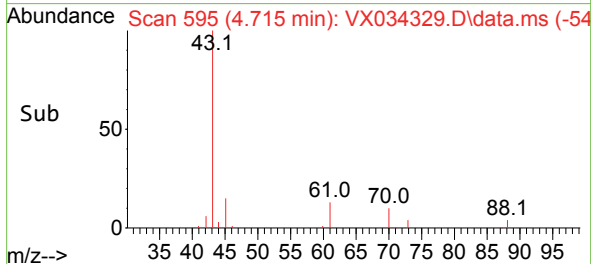
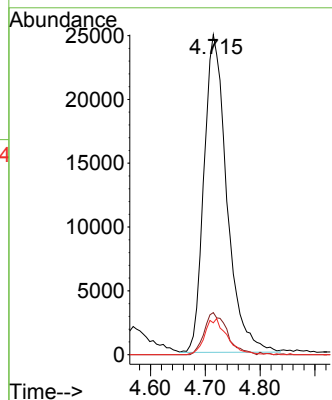
Tgt Ion: 43 Resp: 72237

Ion Ratio Lower Upper

43 100

61 13.2 11.1 16.7

70 11.1 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.698 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

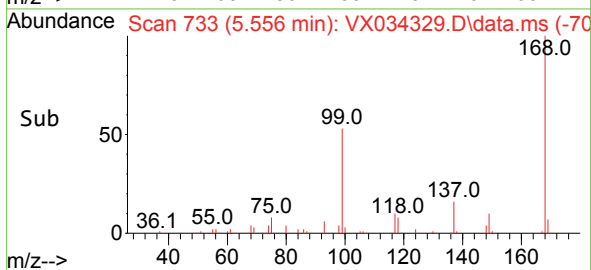
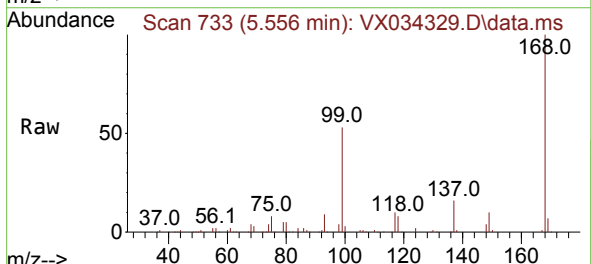
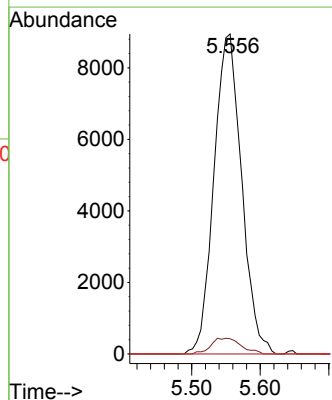
Tgt Ion: 117 Resp: 25026

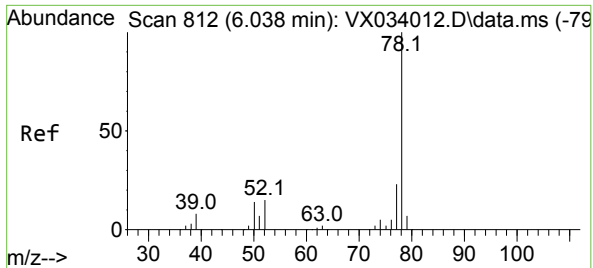
Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 24.4 36.6#

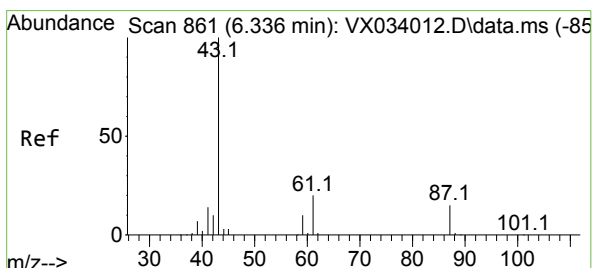
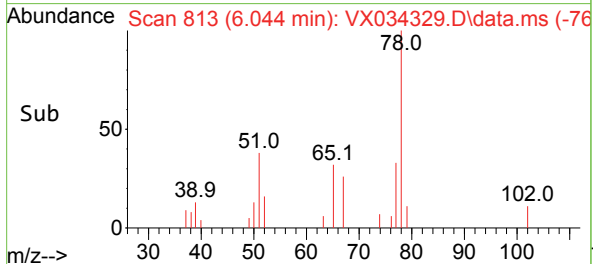
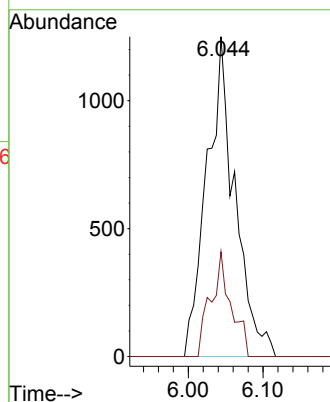
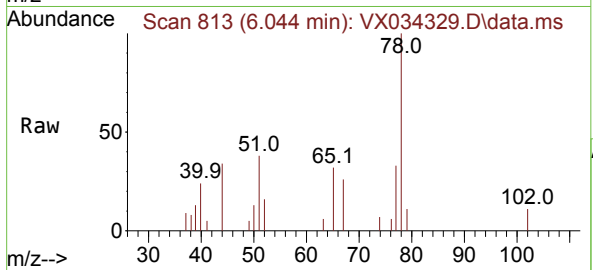




#40
Benzene
Concen: 0.258 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

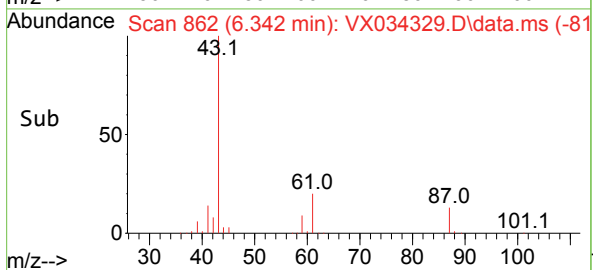
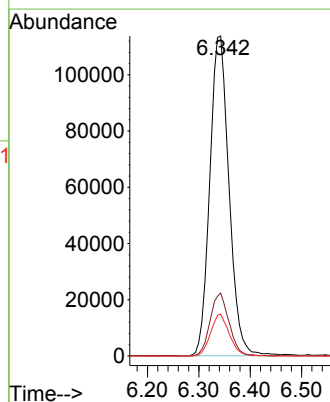
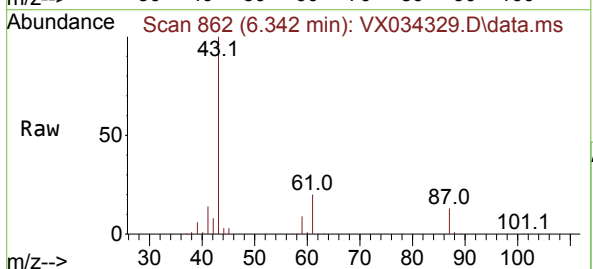
Instrument :
MSVOA_X
ClientSampleId :

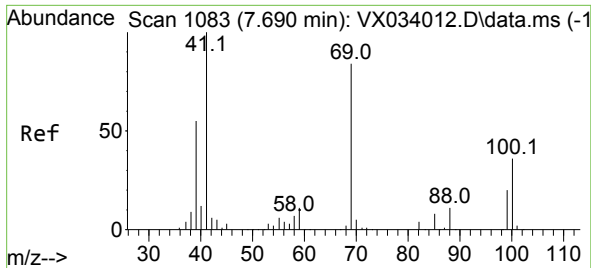
Tgt Ion: 78 Resp: 3269
Ion Ratio Lower Upper
78 100
77 32.8 19.0 28.4#



#43
Isopropyl Acetate
Concen: 35.082 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Tgt Ion: 43 Resp: 295315
Ion Ratio Lower Upper
43 100
61 19.3 15.7 23.5
87 12.7 10.6 15.8

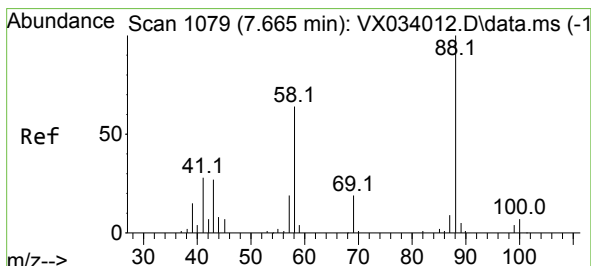
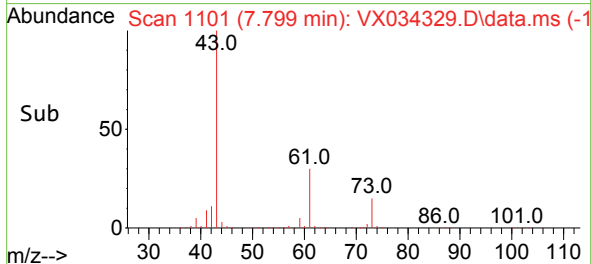
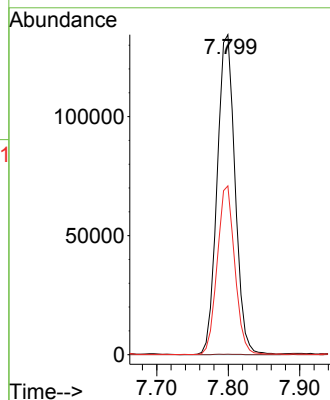
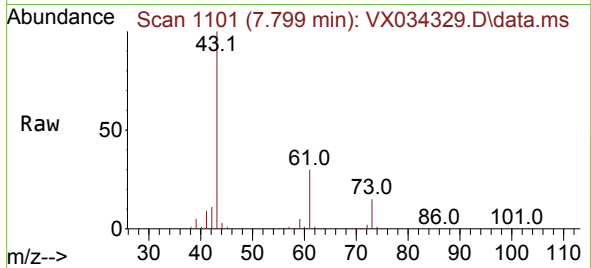




#48
Methyl methacrylate
Concen: 58.611 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

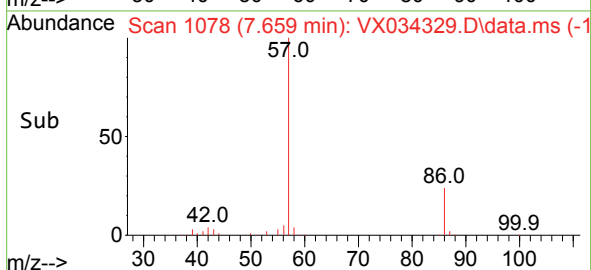
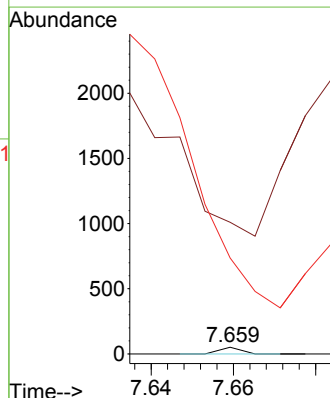
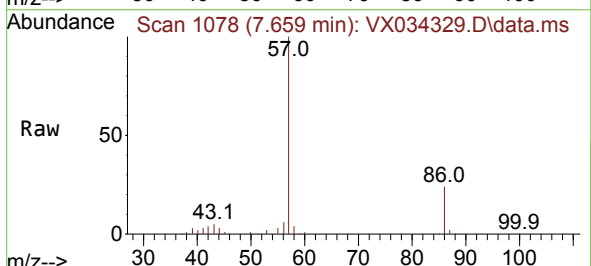
Instrument :
MSVOA_X
ClientSampleId :

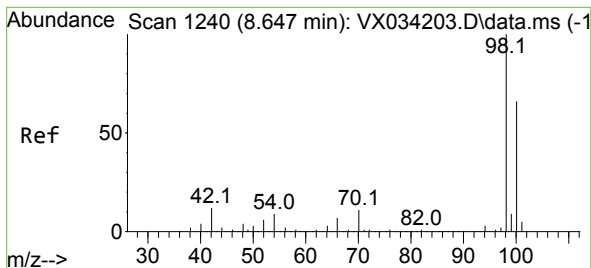
Tgt Ion: 41 Resp: 234178
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.7 43.2 64.8



#49
1,4-Dioxane
Concen: 0.238 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 56.5 84.7#





#50

Toluene-d8

Concen: 52.327 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Instrument :

MSVOA_X

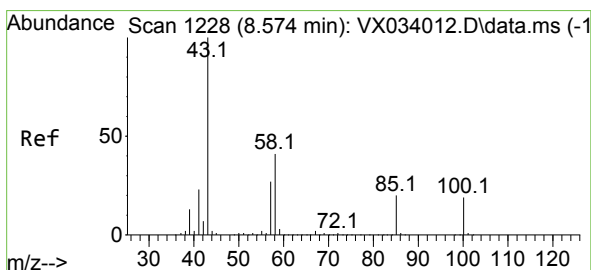
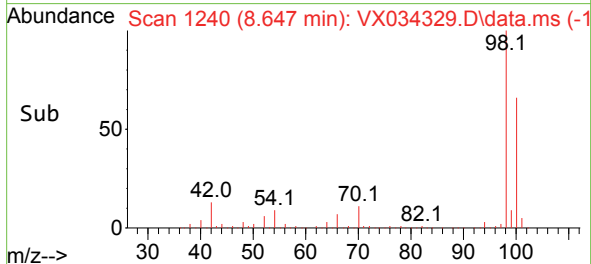
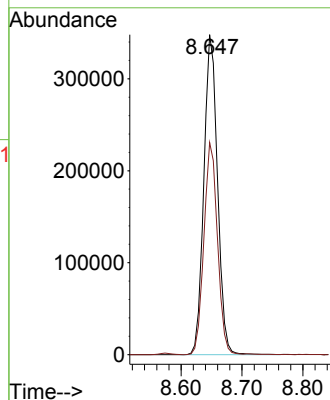
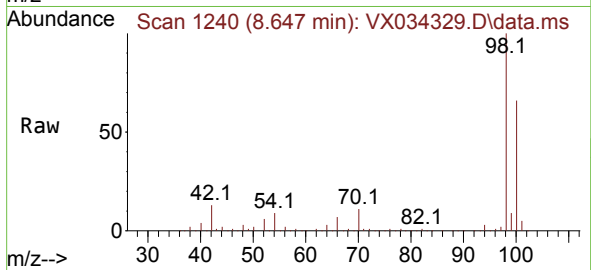
ClientSampleId :

Tgt Ion: 98 Resp: 542229

Ion Ratio Lower Upper

98 100

100 66.0 53.6 80.4



#51

4-Methyl-2-Pentanone

Concen: 47.649 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.018 min

Lab File: VX034329.D

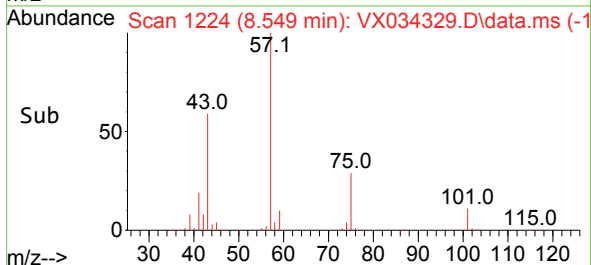
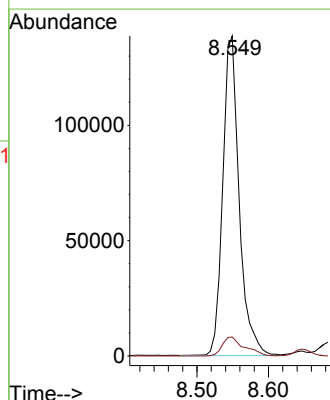
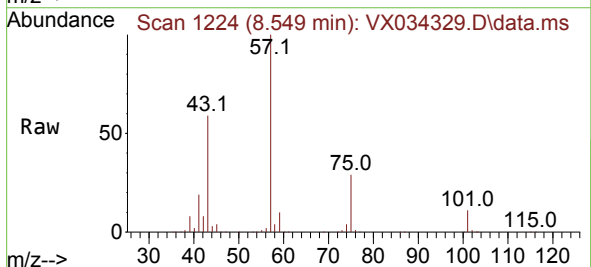
Acq: 03 Mar 2023 17:45

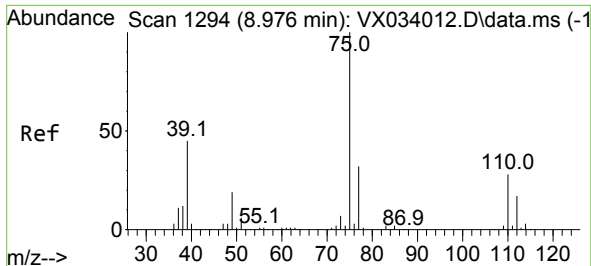
Tgt Ion: 43 Resp: 220682

Ion Ratio Lower Upper

43 100

58 8.0 31.2 46.8#

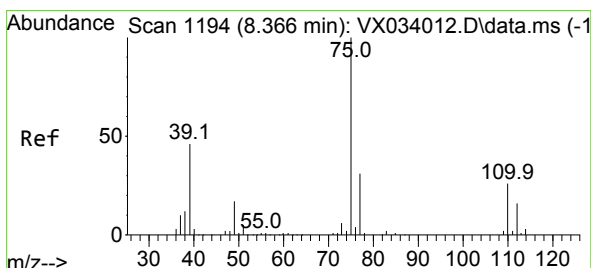
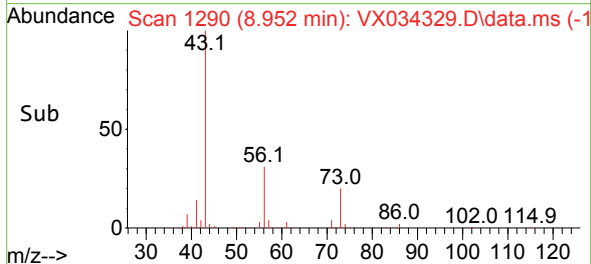
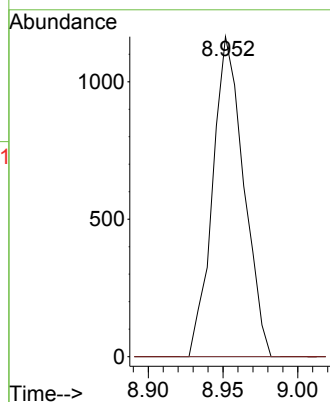
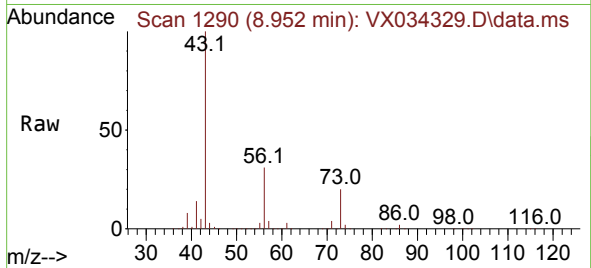




#53
 t-1,3-Dichloropropene
 Concen: 0.322 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034329.D
 Acq: 03 Mar 2023 17:45

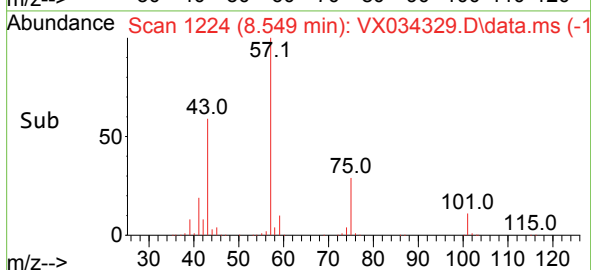
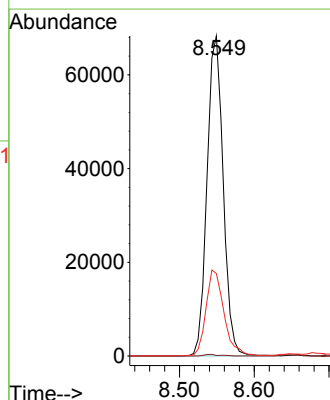
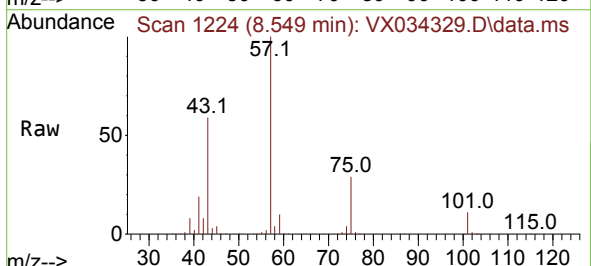
Instrument :
 MSVOA_X
 ClientSampleId :

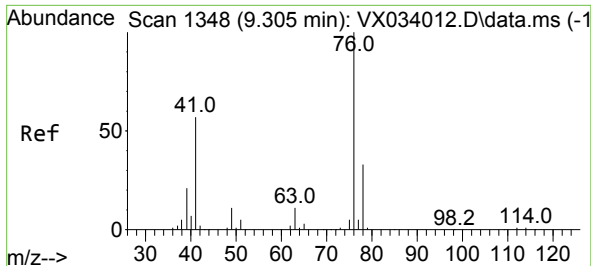
Tgt Ion: 75 Resp: 1684
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 18.265 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX034329.D
 Acq: 03 Mar 2023 17:45

Tgt Ion: 75 Resp: 102359
 Ion Ratio Lower Upper
 75 100
 77 0.2 25.0 37.6#
 39 25.7 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 2.227 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Instrument :

MSVOA_X

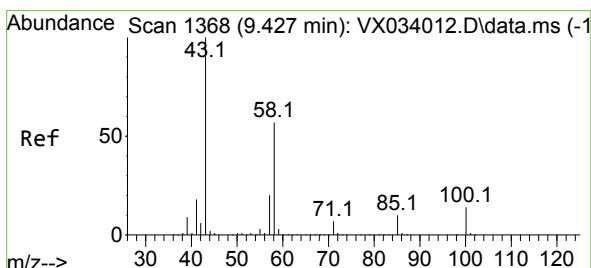
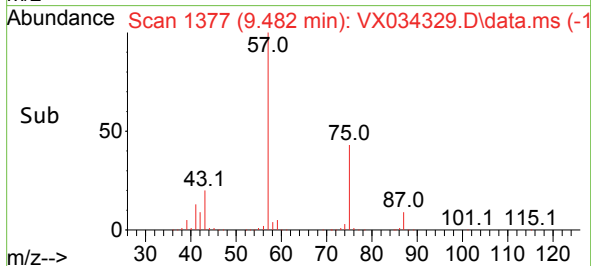
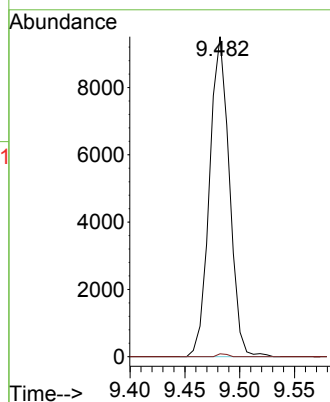
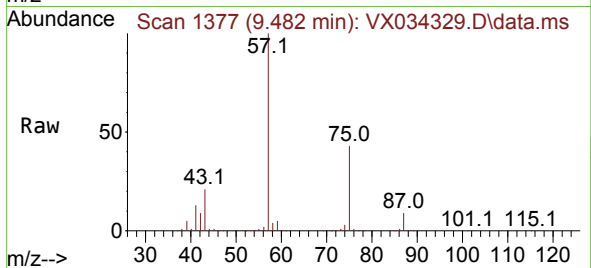
ClientSampleId :

Tgt Ion: 76 Resp: 11985

Ion Ratio Lower Upper

76 100

78 0.5 25.6 38.4#



#59

2-Hexanone

Concen: 48.638 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034329.D

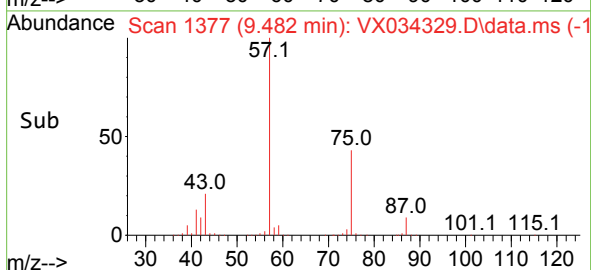
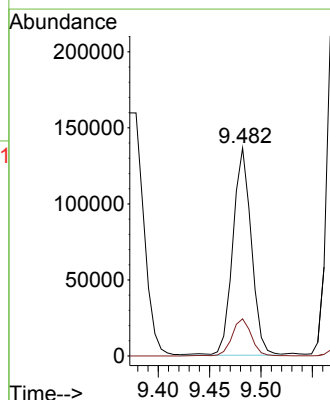
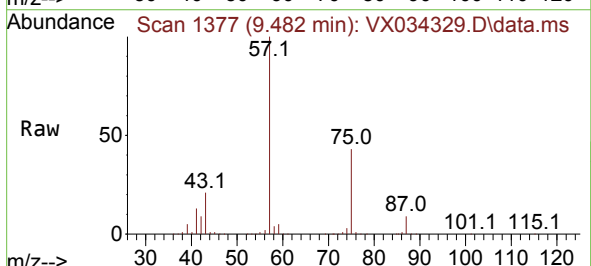
Acq: 03 Mar 2023 17:45

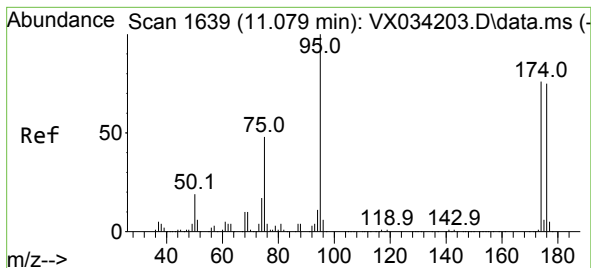
Tgt Ion: 43 Resp: 171674

Ion Ratio Lower Upper

43 100

58 18.9 27.4 82.0#

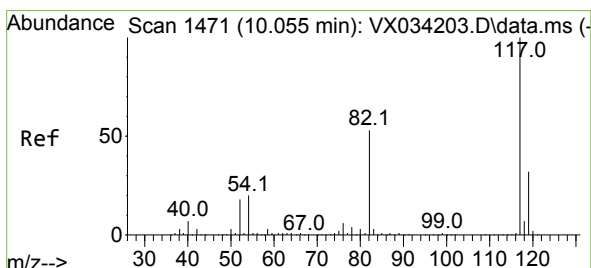
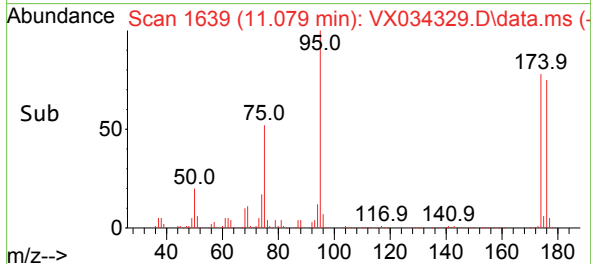
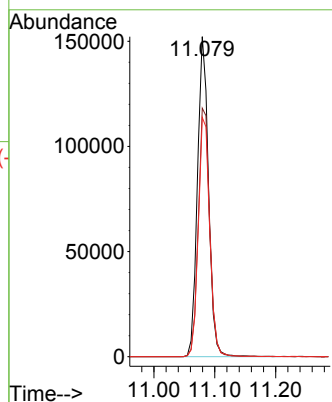
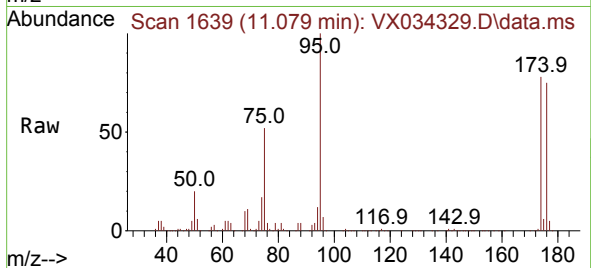




#62
4-Bromofluorobenzene
Concen: 48.262 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

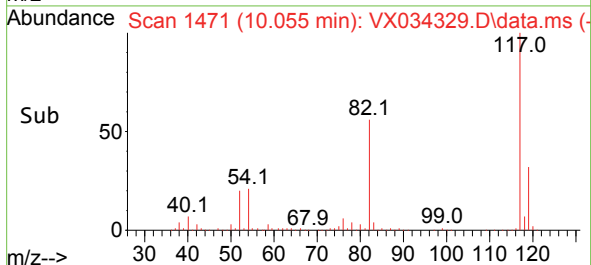
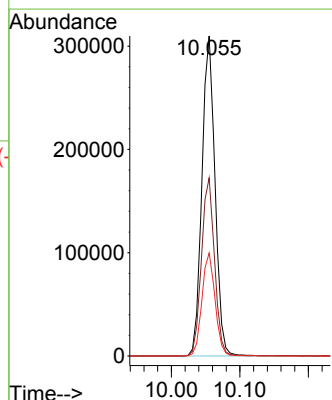
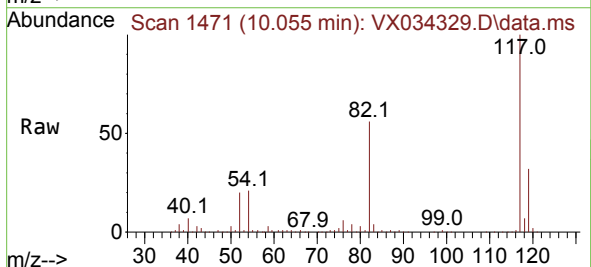
Instrument :
MSVOA_X
ClientSampleId :

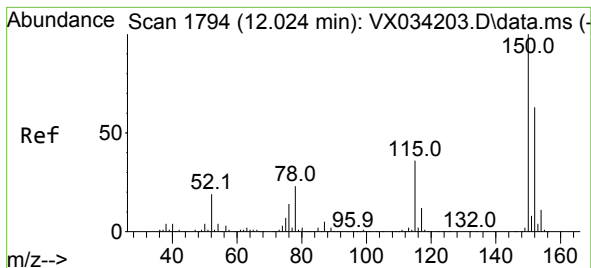
Tgt Ion: 95 Resp: 191291
Ion Ratio Lower Upper
95 100
174 80.6 0.0 184.4
176 77.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Tgt Ion: 117 Resp: 412297
Ion Ratio Lower Upper
117 100
82 55.6 40.6 60.8
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

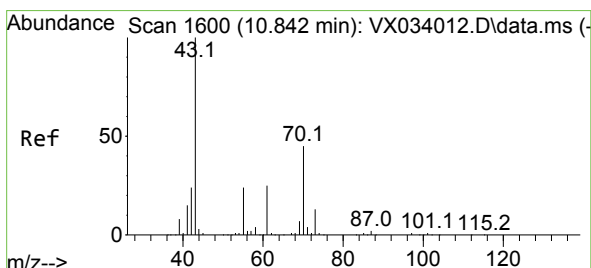
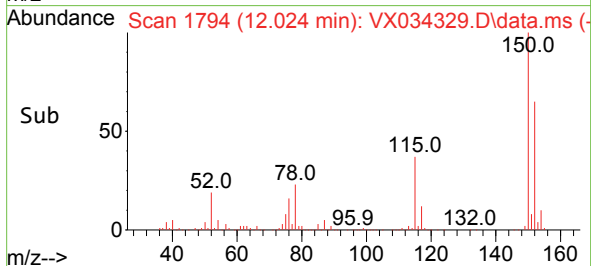
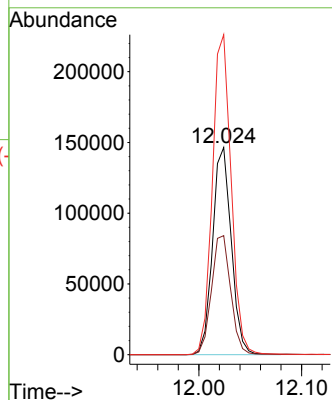
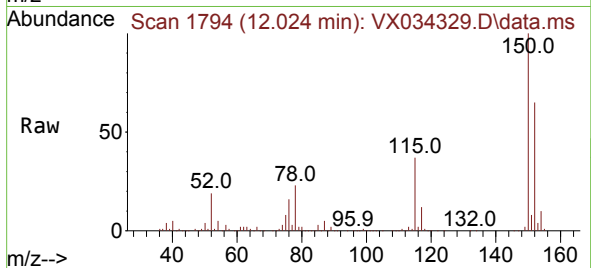
Tgt Ion:152 Resp: 184789

Ion Ratio Lower Upper

152 100

115 59.1 38.7 116.1

150 155.1 0.0 348.2



#74

N-ethyl acetate

Concen: 8.989 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX034329.D

Acq: 03 Mar 2023 17:45

Tgt Ion: 43 Resp: 63599

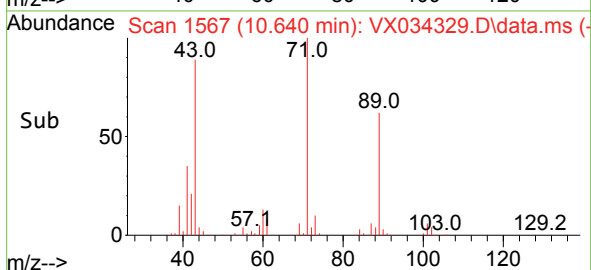
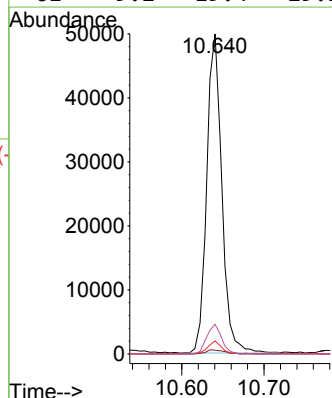
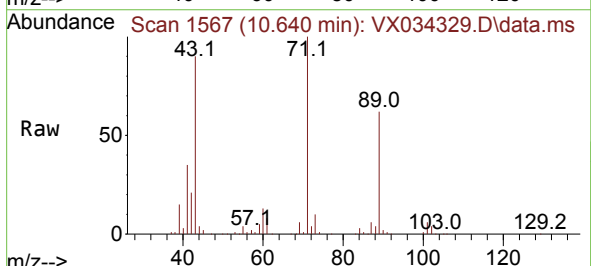
Ion Ratio Lower Upper

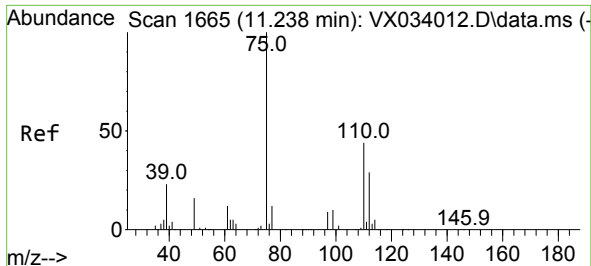
43 100

70 1.5 34.8 52.2#

55 3.9 19.4 29.0#

61 9.2 19.4 29.2#

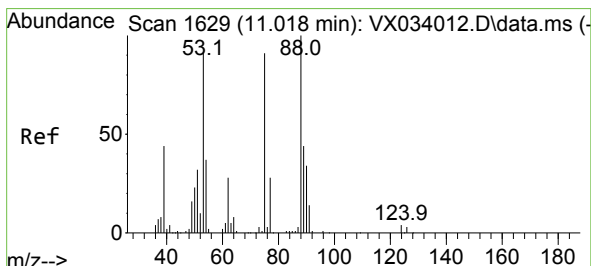
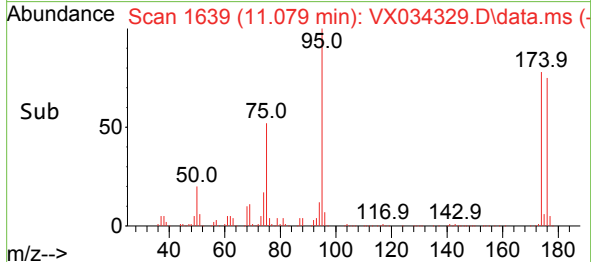
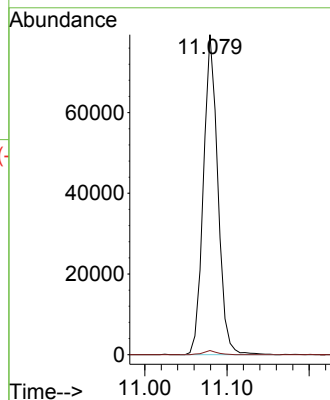
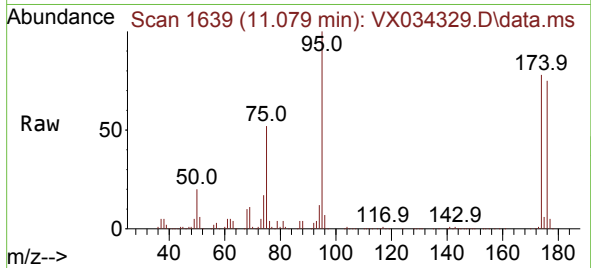




#76
1,2,3-Trichloropropane
Concen: 20.788 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 96660
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034329.D
Acq: 03 Mar 2023 17:45

Tgt Ion: 75 Resp: 96660
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

