

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013023\
 Data File : VX033947.D
 Acq On : 30 Jan 2023 15:28
 Operator : JC/MD
 Sample : 01356-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 31 04:47:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

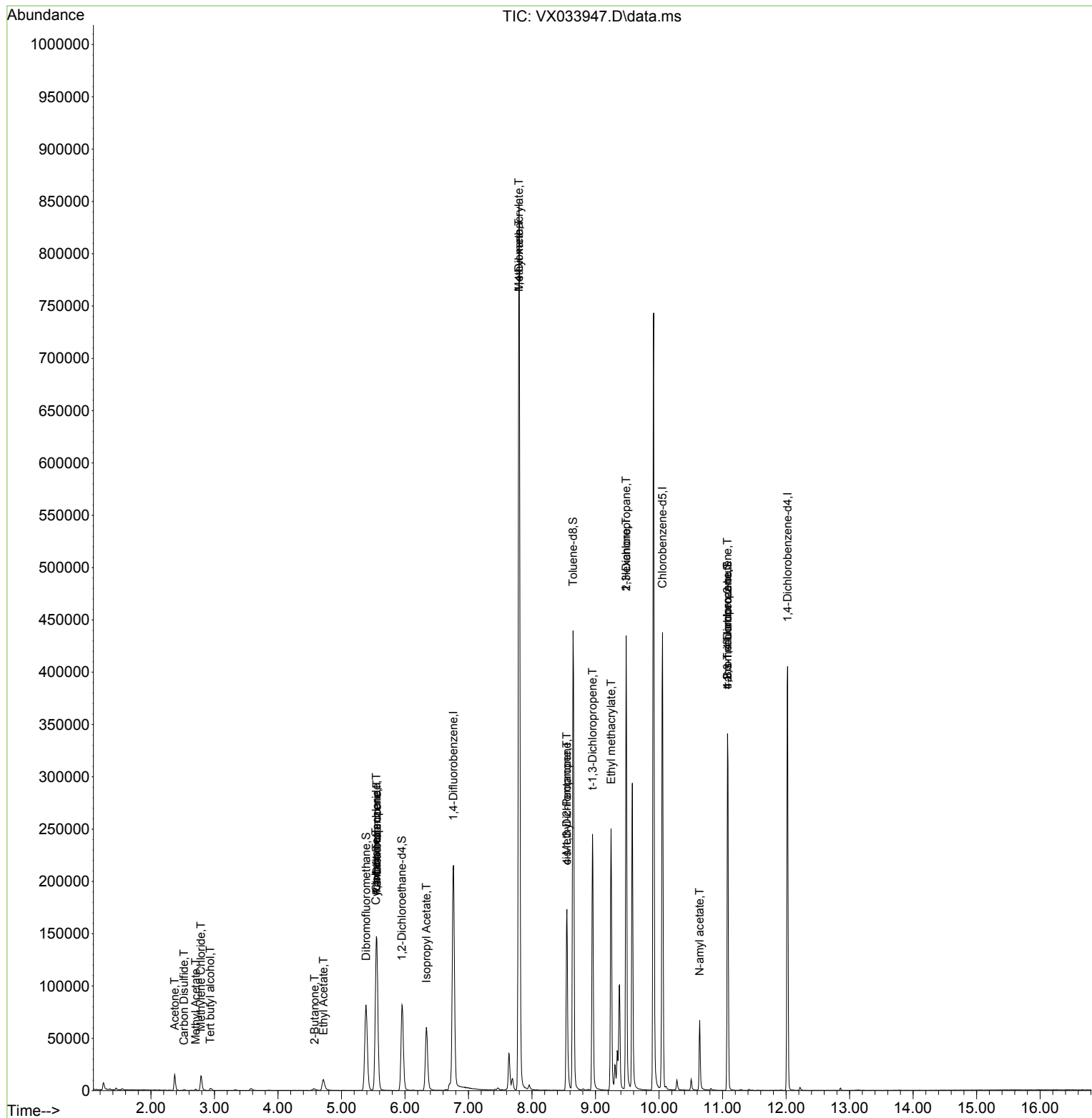
Internal Standards						
1) Pentafluorobenzene	5.556	168	162682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77806	45.424	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.840%
35) Dibromofluoromethane	5.385	113	71633	49.275	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.540%
50) Toluene-d8	8.647	98	267801	50.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.120%
62) 4-Bromofluorobenzene	11.079	95	88456	44.979	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	1344	4.517	ug/l #	86
16) Acetone	2.373	43	15846	13.748	ug/l	95
17) Carbon Disulfide	2.520	76	177	1.873	ug/l #	76
18) Methyl Acetate	2.703	43	1439	0.602	ug/l	91
20) Methylene Chloride	2.788	84	7351	2.559	ug/l	88
25) 2-Butanone	4.574	43	2701	2.413	ug/l	96
31) Cyclohexane	5.544	56	2273	0.902	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9634	4.541	ug/l #	49
37) Ethyl Acetate	4.715	43	19003	6.925	ug/l	98
38) Carbon Tetrachloride	5.550	117	13624	6.200	ug/l #	15
43) Isopropyl Acetate	6.336	43	81419	24.308	ug/l	98
48) Methyl methacrylate	7.793	41	73787	43.732	ug/l #	44
49) 1,4-Dioxane	7.793	88	133	3.564	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	60697	29.507	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	572	0.274	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29183	12.488	ug/l #	62
56) Ethyl methacrylate	9.244	69	495	0.222	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3892	1.518	ug/l #	43
59) 2-Hexanone	9.482	43	51275	35.813	ug/l #	51
73) Isopropylbenzene	10.963	105	21	Below Cal	#	48
74) N-amyl acetate	10.640	43	17535	7.136	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	40684	23.664	ug/l #	34
79) 2-Chlorotoluene	11.311	91	45	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40684	73.545	ug/l #	8
82) 4-Chlorotoluene	11.463	91	113	Below Cal	#	43

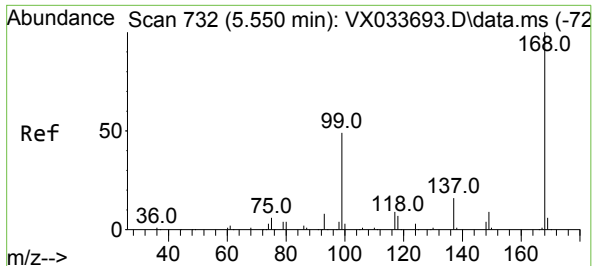
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 11 14:48:42 2023
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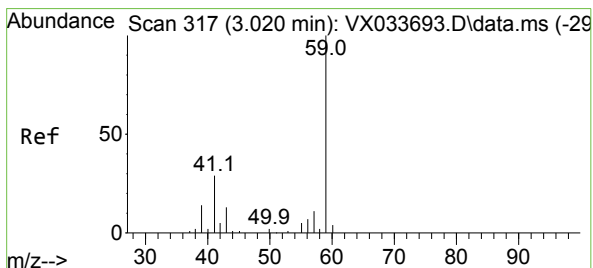
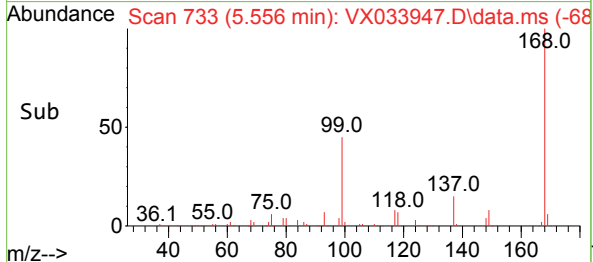
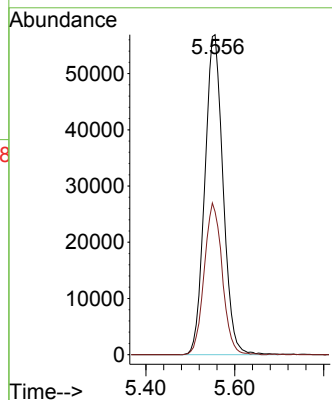
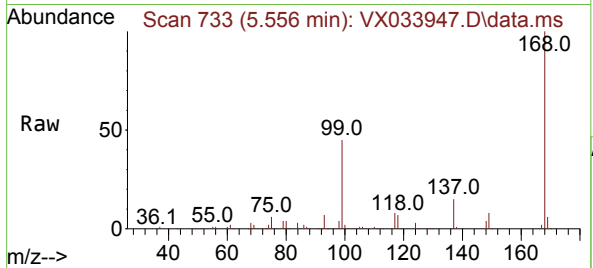




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

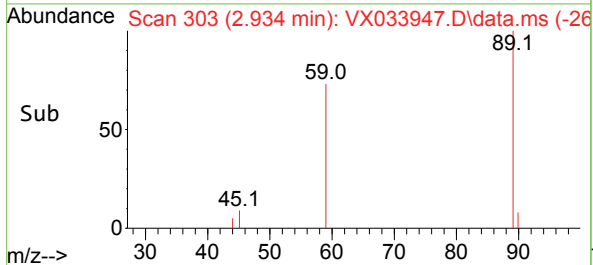
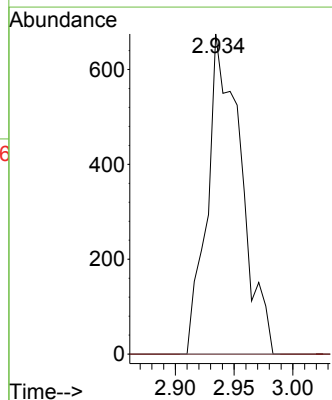
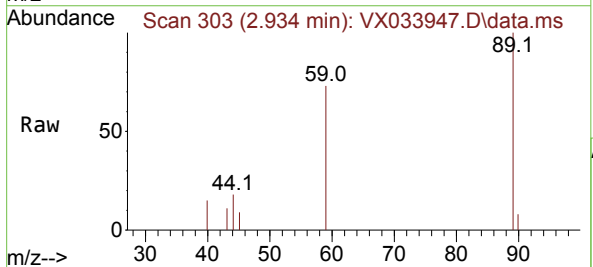
Instrument :
MSVOA_X
ClientSampleId :

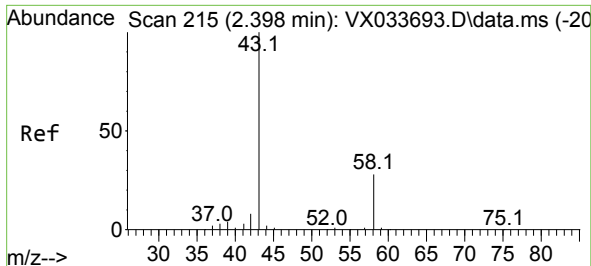
Tgt Ion:168 Resp: 162682
Ion Ratio Lower Upper
168 100
99 44.6 39.6 59.4



#11
Tert butyl alcohol
Concen: 4.517 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.085 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

Tgt Ion: 59 Resp: 1344
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

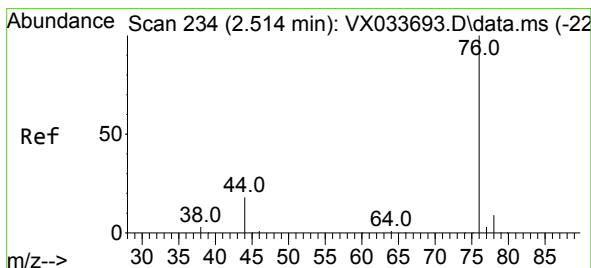
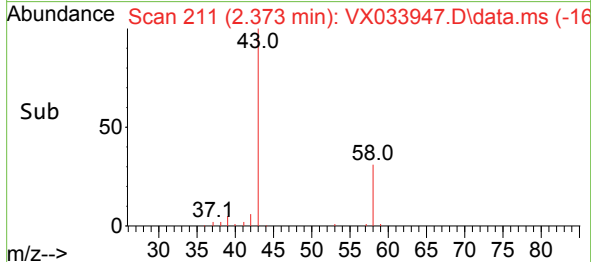
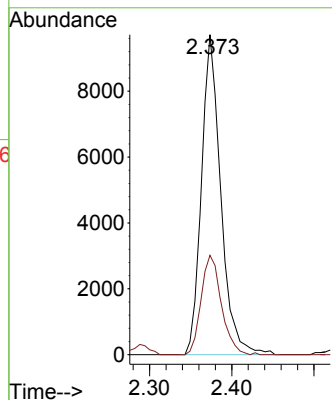
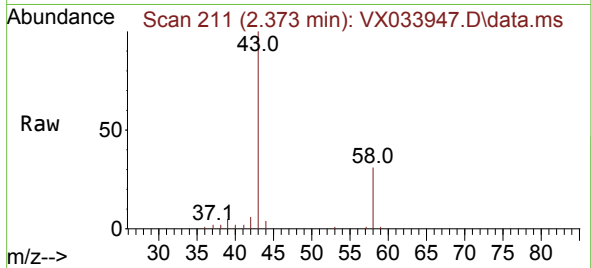




#16
Acetone
Concen: 13.748 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.025 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

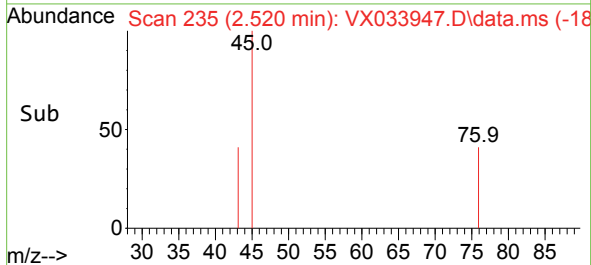
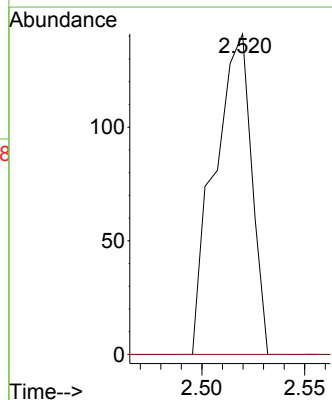
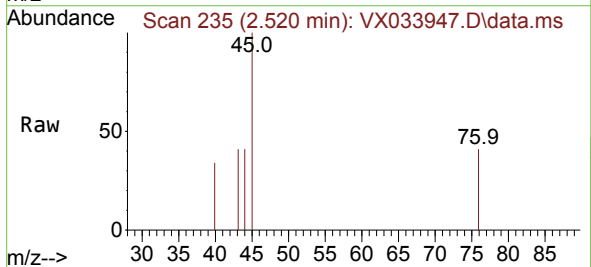
Instrument :
MSVOA_X
ClientSampleId :

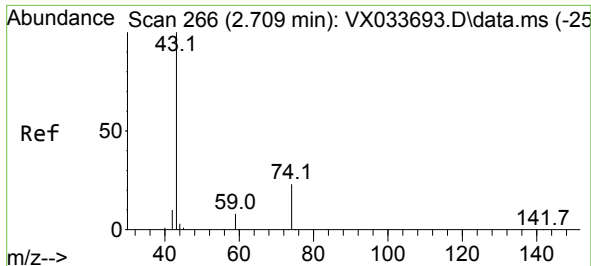
Tgt Ion: 43 Resp: 15846
Ion Ratio Lower Upper
43 100
58 31.1 22.6 33.8



#17
Carbon Disulfide
Concen: 1.873 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

Tgt Ion: 76 Resp: 177
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

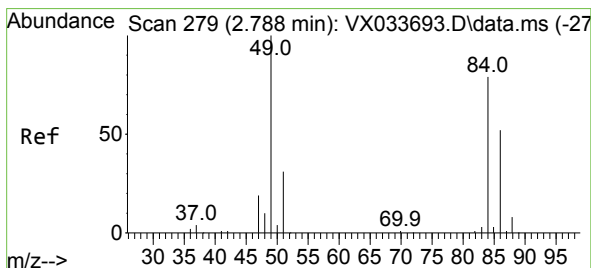
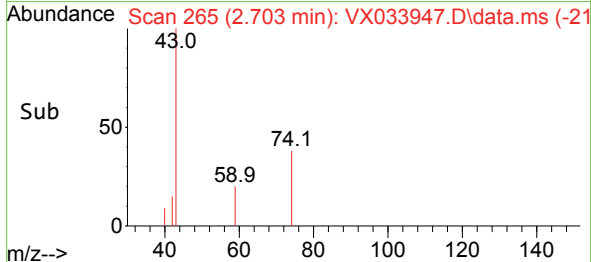
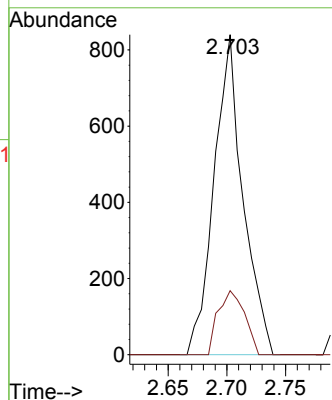
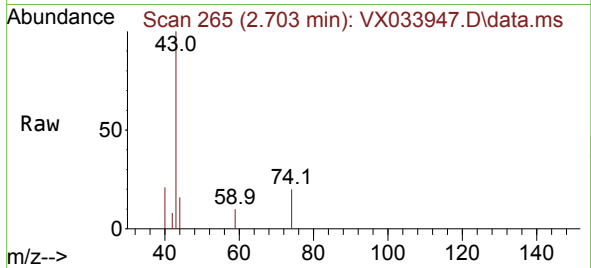




#18
Methyl Acetate
Concen: 0.602 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

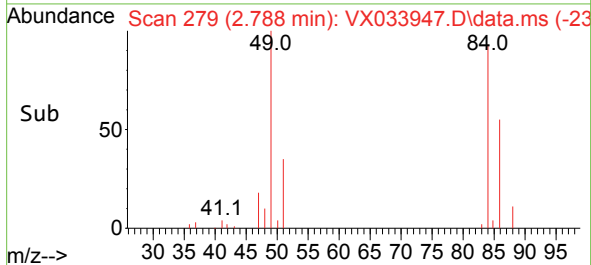
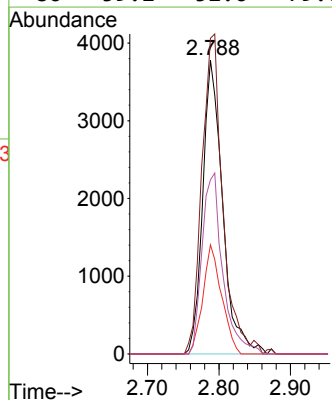
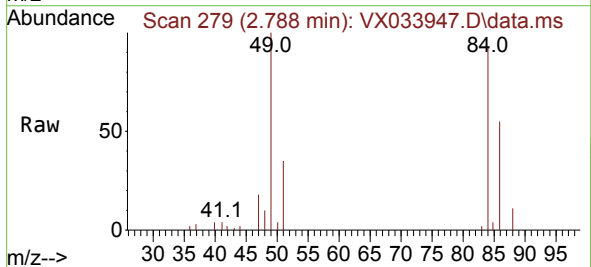
Instrument :
MSVOA_X
ClientSampleId :

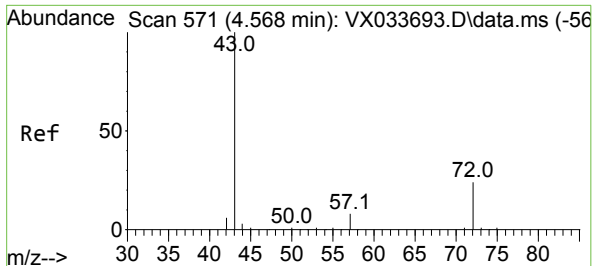
Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
74 18.3 18.2 27.4



#20
Methylene Chloride
Concen: 2.559 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

Tgt Ion: 84 Resp: 7351
Ion Ratio Lower Upper
84 100
49 107.4 101.1 151.7
51 37.1 31.0 46.6
86 59.2 52.6 79.0





#25

2-Butanone

Concen: 2.413 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

Instrument :

MSVOA_X

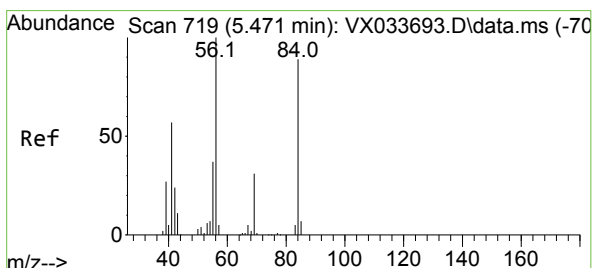
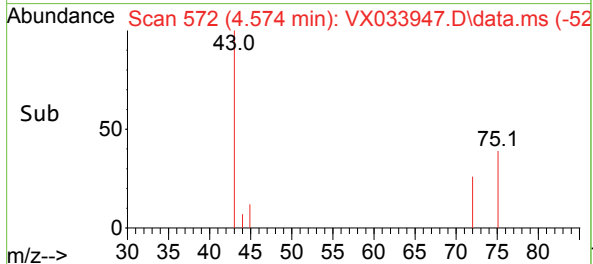
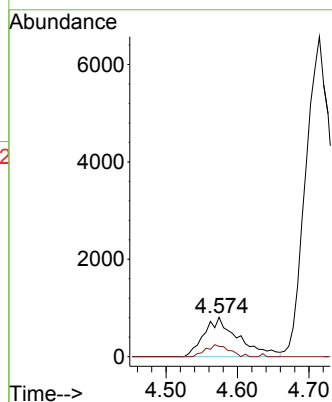
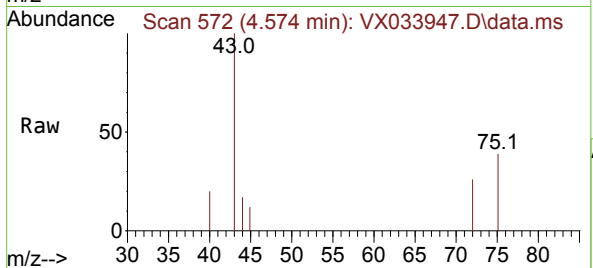
ClientSampleId :

Tgt Ion: 43 Resp: 2701

Ion Ratio Lower Upper

43 100

72 26.2 19.4 29.2



#31

Cyclohexane

Concen: 0.902 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

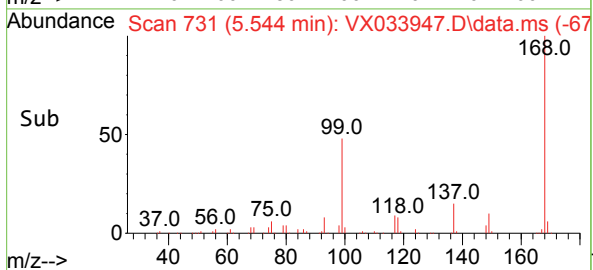
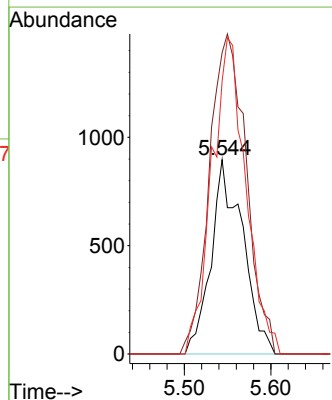
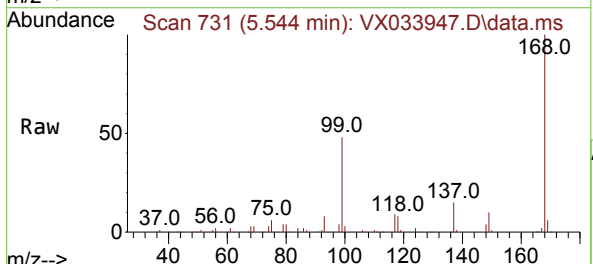
Tgt Ion: 56 Resp: 2273

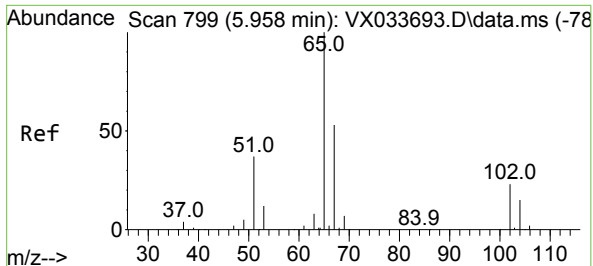
Ion Ratio Lower Upper

56 100

69 155.1 24.6 37.0#

84 140.5 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.424 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

Instrument :

MSVOA_X

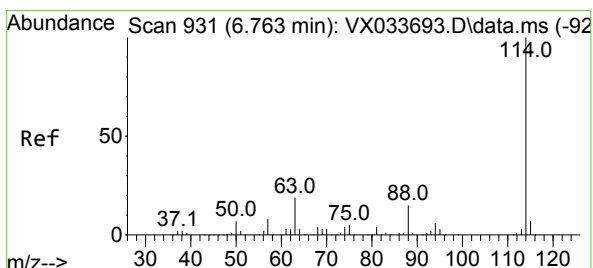
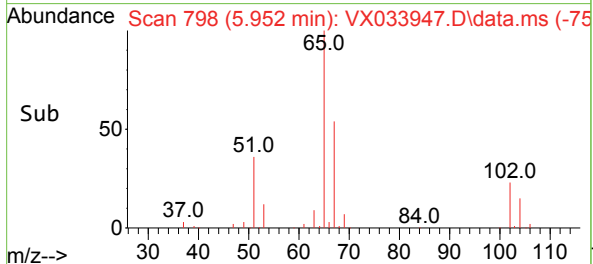
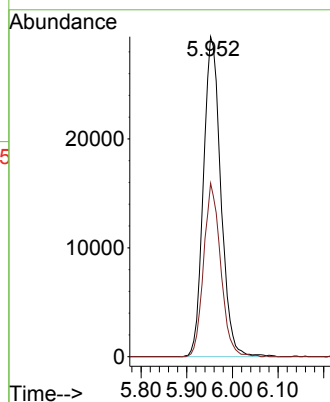
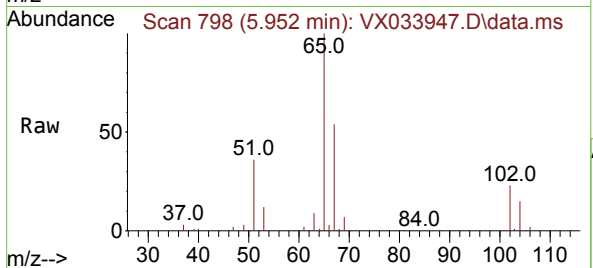
ClientSampleId :

Tgt Ion: 65 Resp: 77806

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. -0.000 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

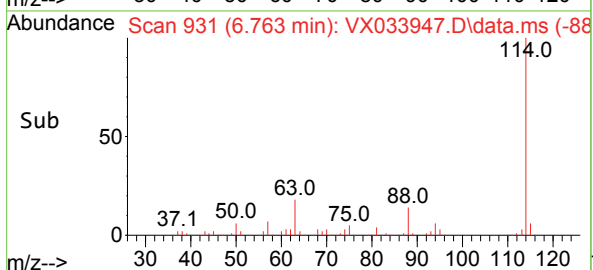
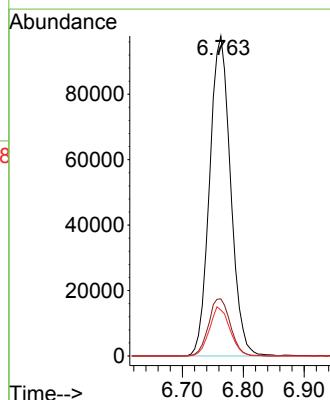
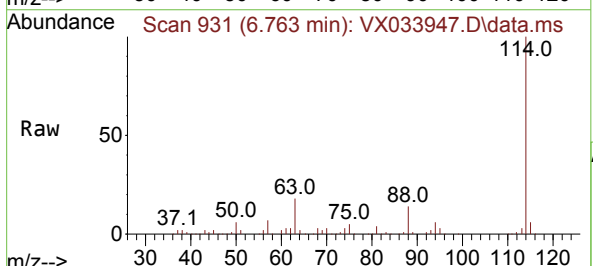
Tgt Ion:114 Resp: 234118

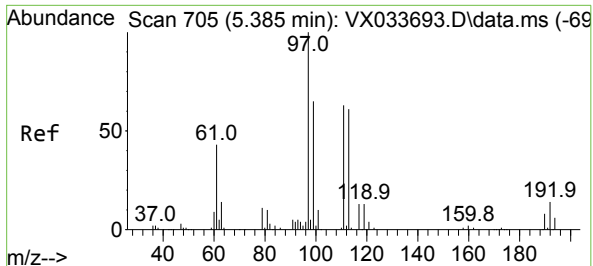
Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.4

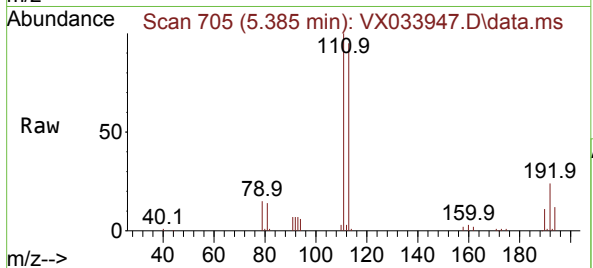
88 14.4 0.0 30.6



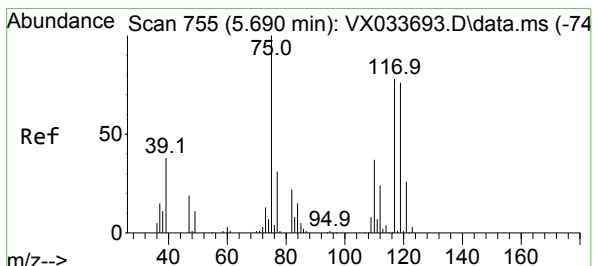
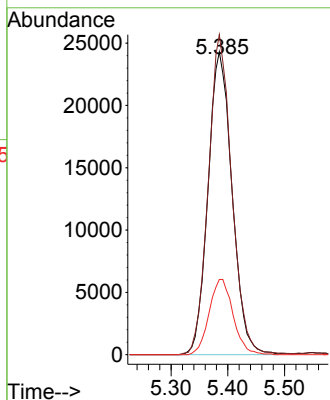
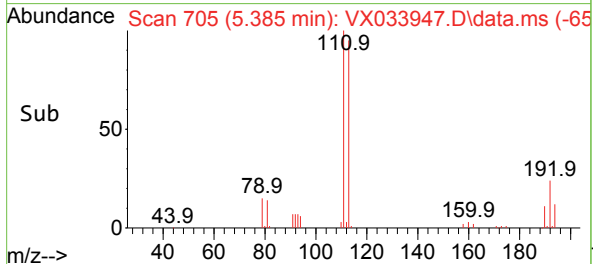


#35
Dibromofluoromethane
Concen: 49.275 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

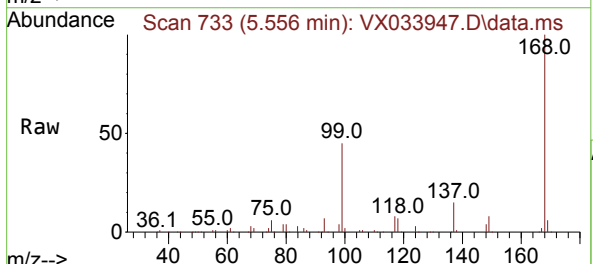
Instrument :
MSVOA_X
ClientSampleId :



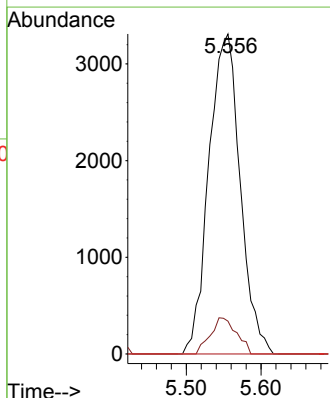
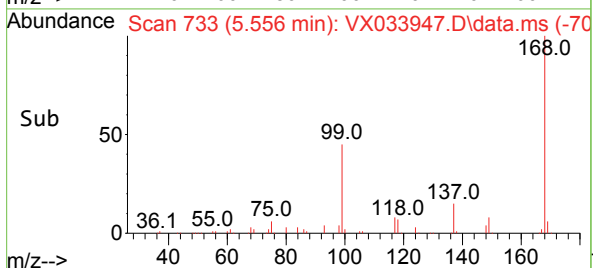
Tgt Ion:113 Resp: 71633
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 24.7 19.0 28.4

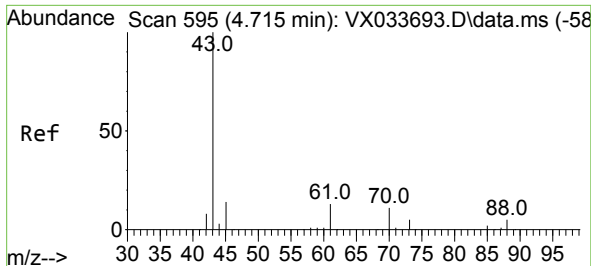


#36
1,1-Dichloropropene
Concen: 4.541 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28



Tgt Ion: 75 Resp: 9634
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 6.925 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

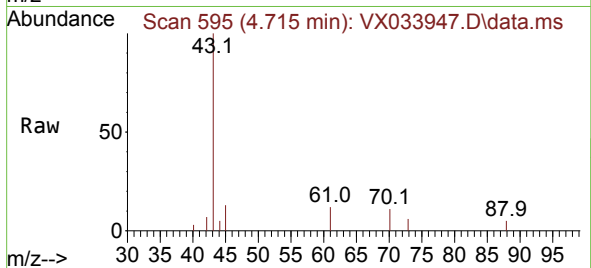
Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

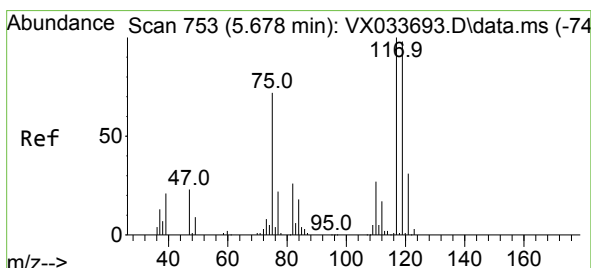
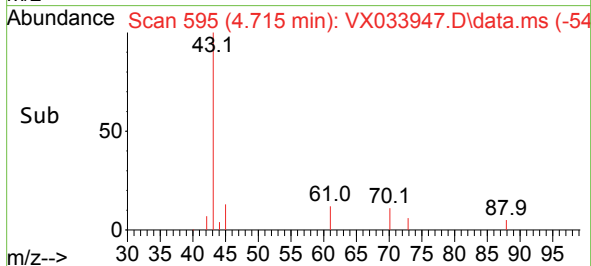
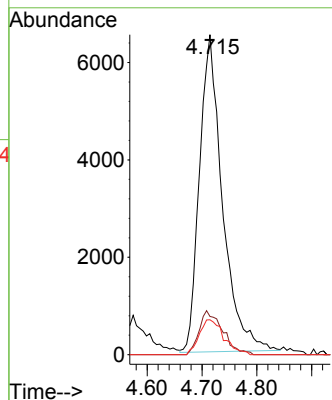
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	19003
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	11.8	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.200 ug/l

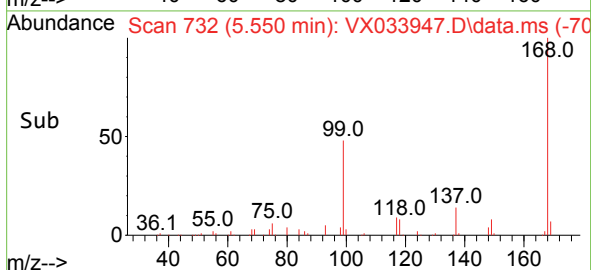
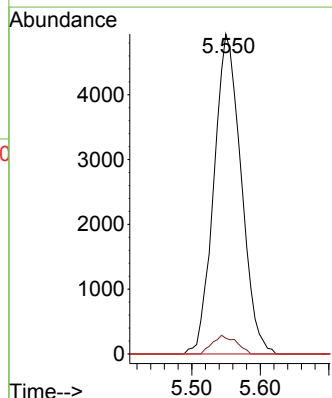
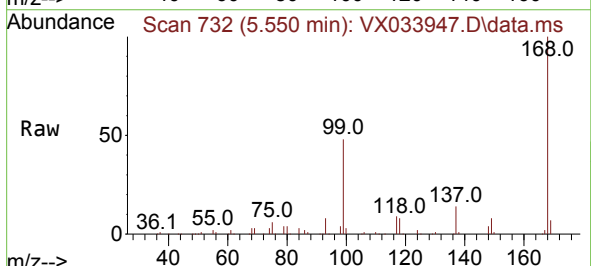
RT: 5.550 min Scan# 732

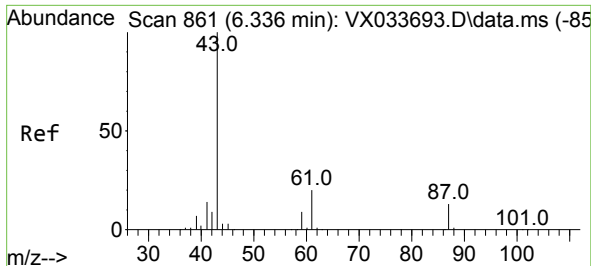
Delta R.T. -0.128 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

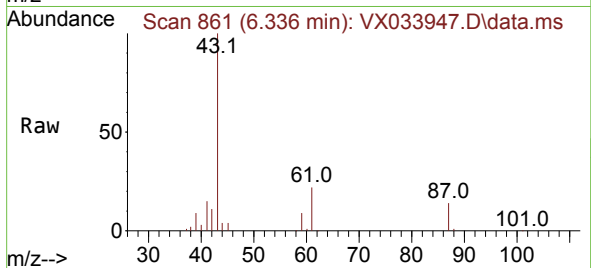
Tgt Ion:	117	Resp:	13624
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.0	117.0#
121	0.0	24.4	36.6#



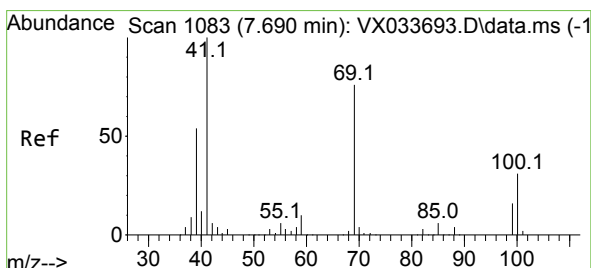
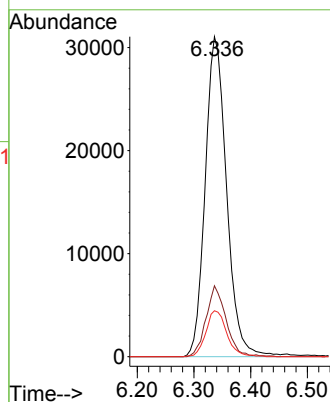
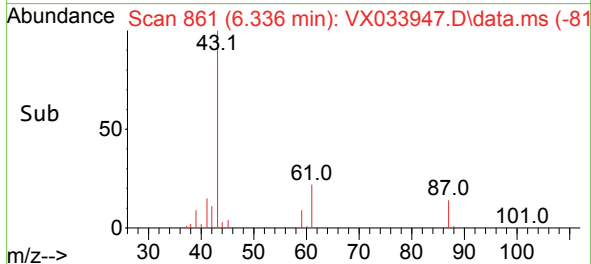


#43
Isopropyl Acetate
Concen: 24.308 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

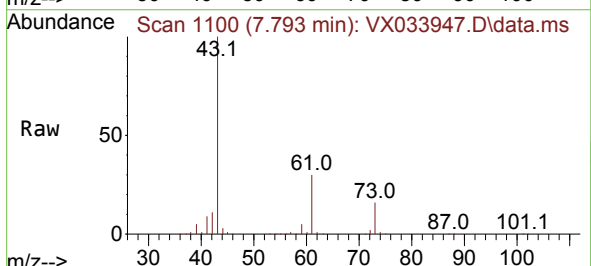
Instrument :
MSVOA_X
ClientSampleId :



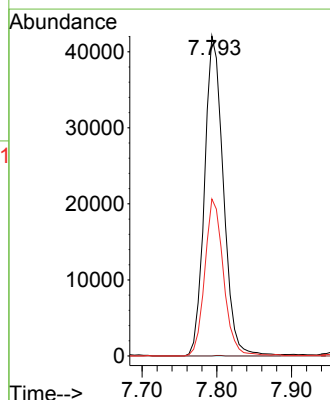
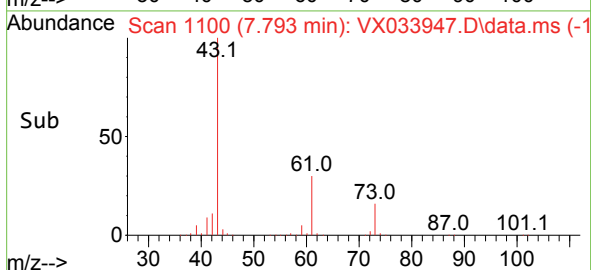
Tgt Ion: 43 Resp: 81419
Ion Ratio Lower Upper
43 100
61 20.8 15.7 23.5
87 14.0 10.6 15.8

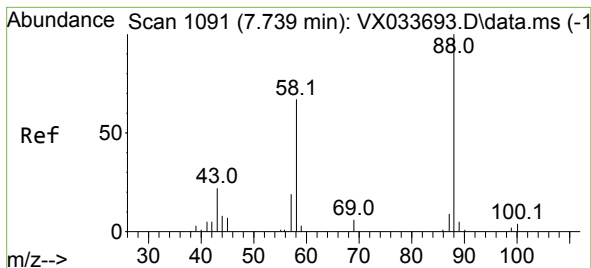


#48
Methyl methacrylate
Concen: 43.732 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28



Tgt Ion: 41 Resp: 73787
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 48.7 43.2 64.8





#49

1,4-Dioxane

Concen: 3.564 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.055 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

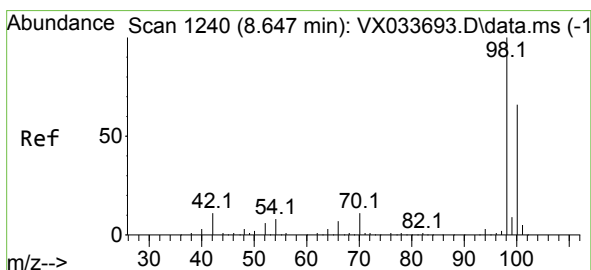
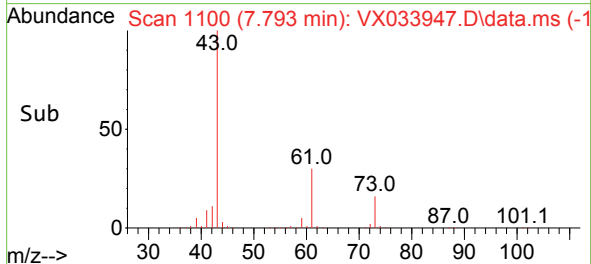
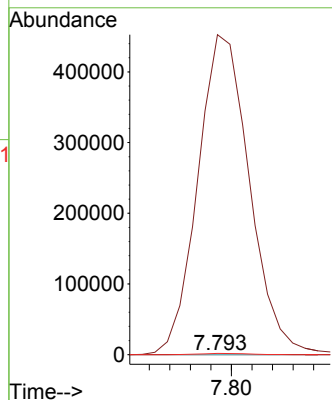
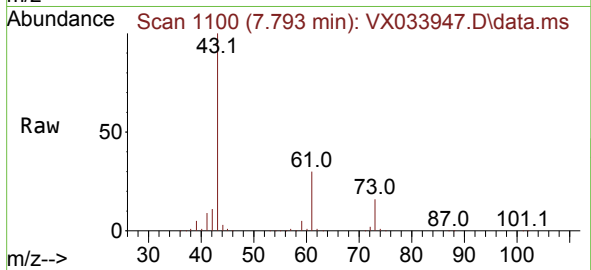
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 601902.3 0.0 0.0#

58 2469.9 56.5 84.7#



#50

Toluene-d8

Concen: 50.559 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033947.D

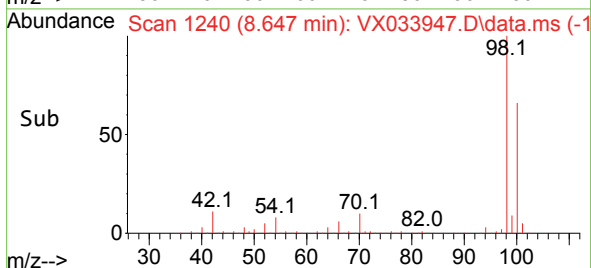
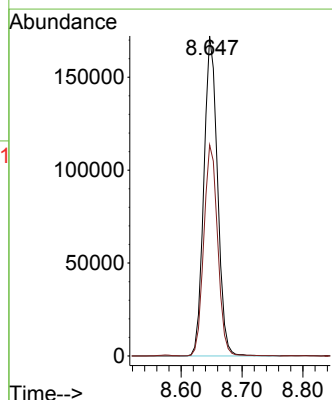
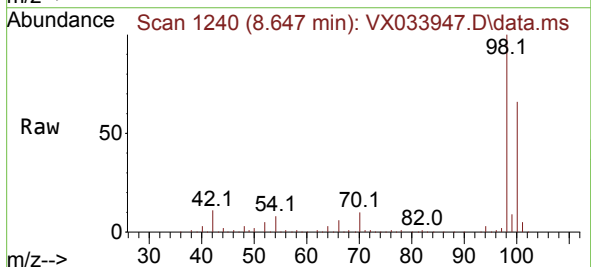
Acq: 30 Jan 2023 15:28

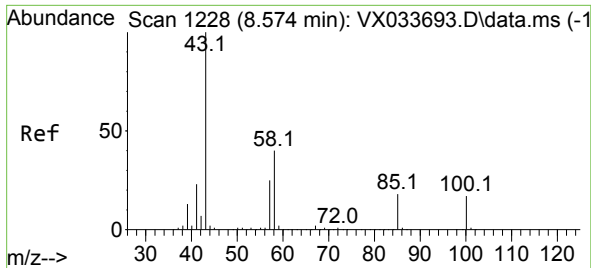
Tgt Ion: 98 Resp: 267801

Ion Ratio Lower Upper

98 100

100 67.2 53.6 80.4

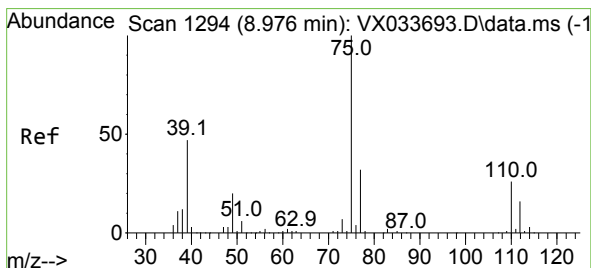
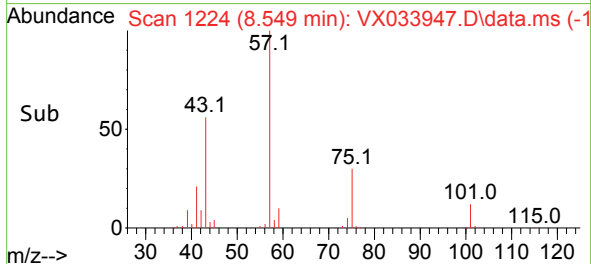
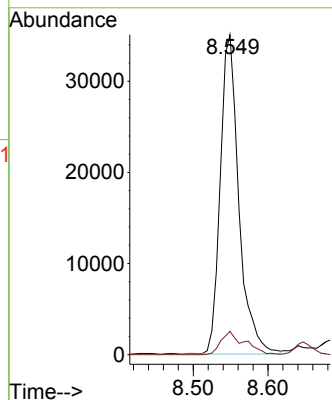
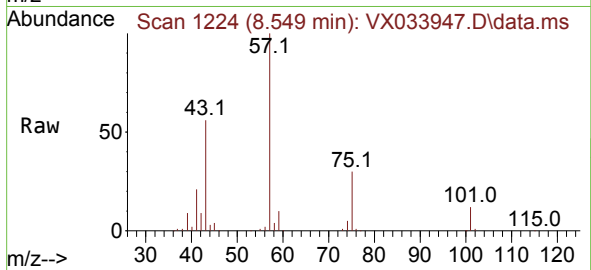




#51
4-Methyl-2-Pentanone
Concen: 29.507 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

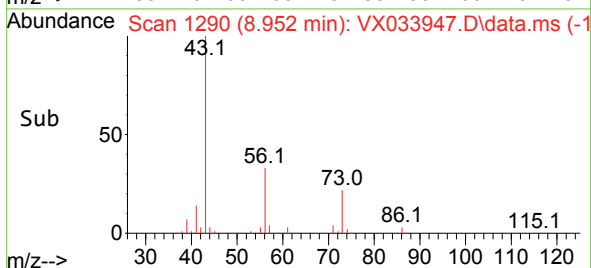
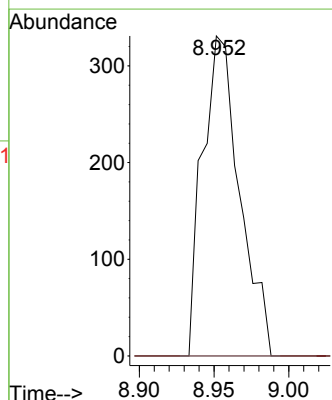
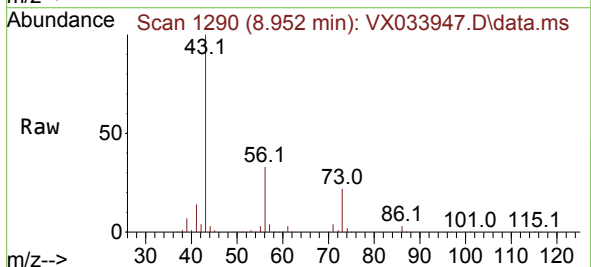
Instrument :
MSVOA_X
ClientSampleId :

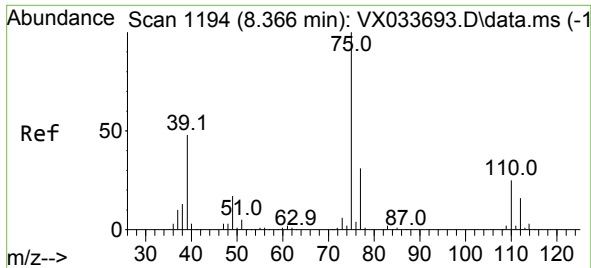
Tgt Ion: 43 Resp: 60697
Ion Ratio Lower Upper
43 100
58 9.4 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.274 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

Tgt Ion: 75 Resp: 572
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

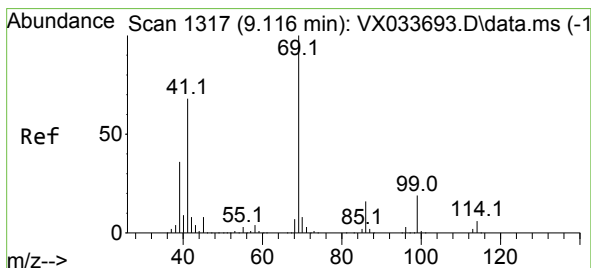
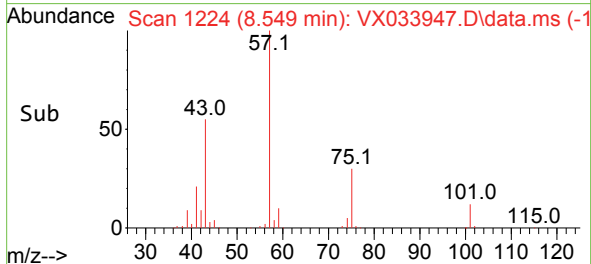
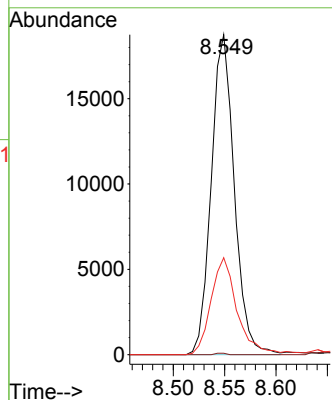
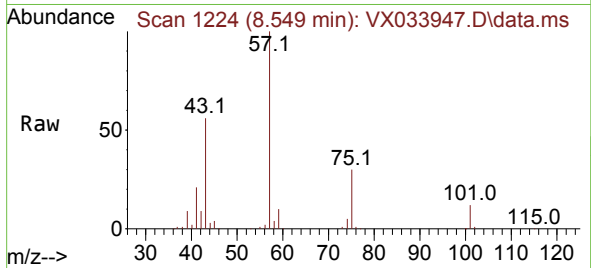




#54
 cis-1,3-Dichloropropene
 Concen: 12.488 ug/l
 RT: 8.549 min Scan# 11
 Delta R.T. 0.183 min
 Lab File: VX033947.D
 Acq: 30 Jan 2023 15:28

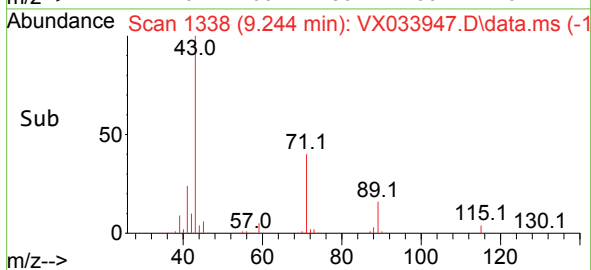
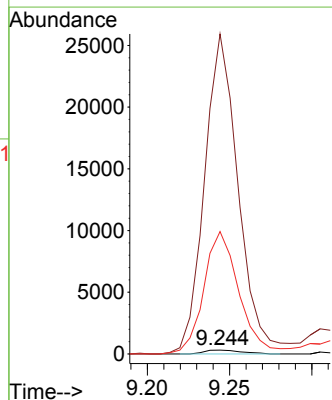
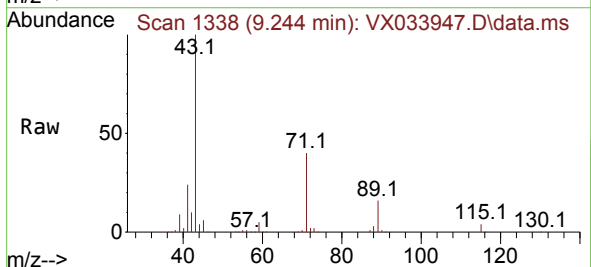
Instrument :
 MSVOA_X
 ClientSampleId :

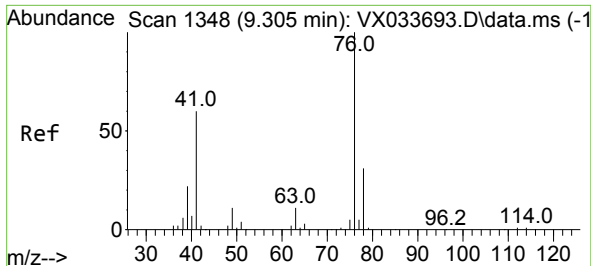
Tgt Ion: 75 Resp: 29183
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 30.3 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.222 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033947.D
 Acq: 30 Jan 2023 15:28

Tgt Ion: 69 Resp: 495
 Ion Ratio Lower Upper
 69 100
 41 7524.0 55.1 82.7#
 39 2976.0 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.518 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

Instrument :

MSVOA_X

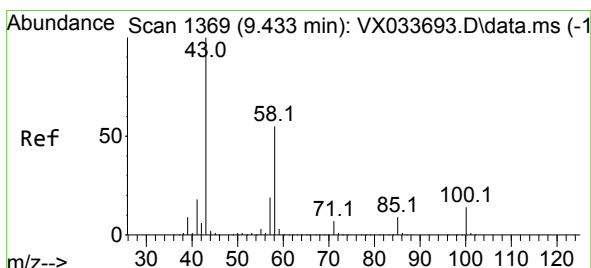
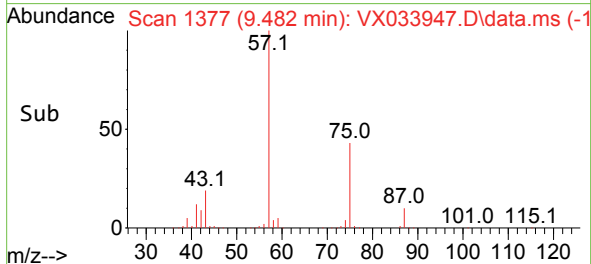
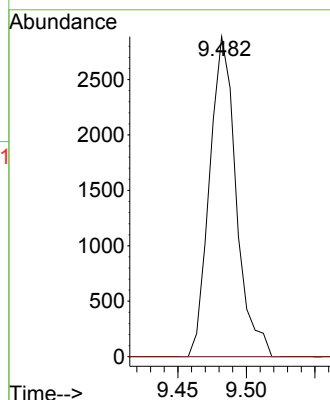
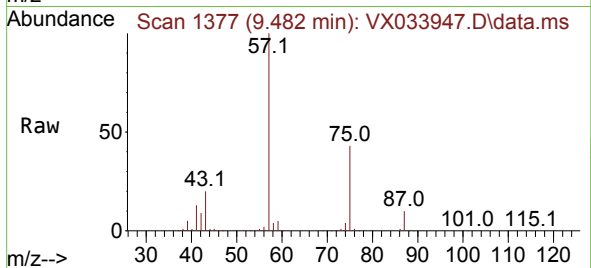
ClientSampleId :

Tgt Ion: 76 Resp: 3892

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 35.813 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033947.D

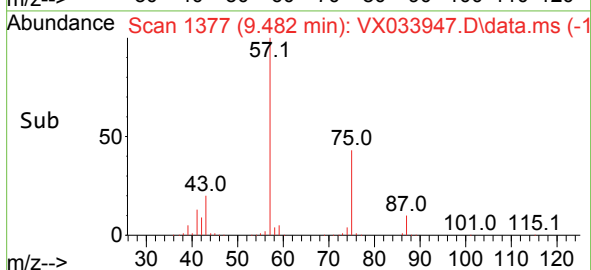
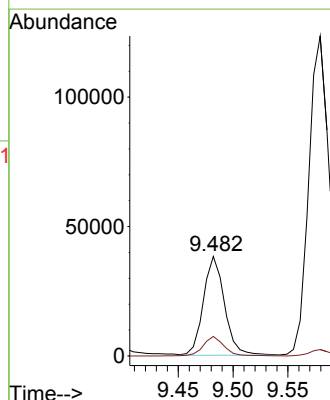
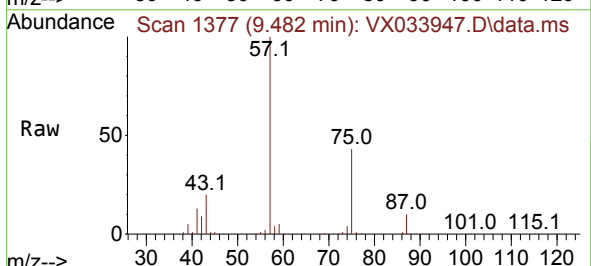
Acq: 30 Jan 2023 15:28

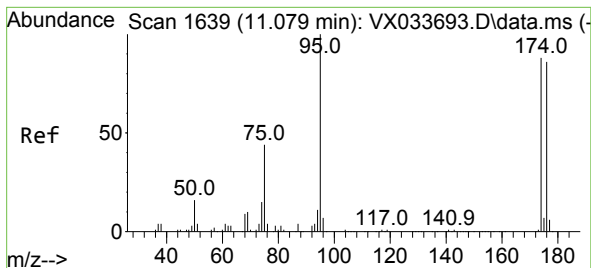
Tgt Ion: 43 Resp: 51275

Ion Ratio Lower Upper

43 100

58 19.7 27.4 82.0#

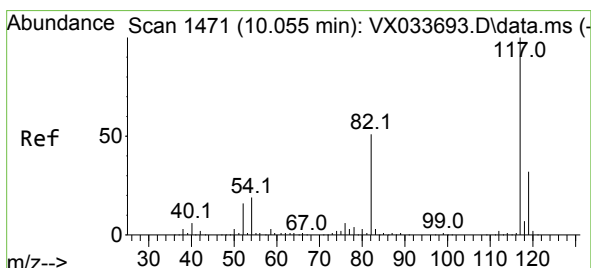
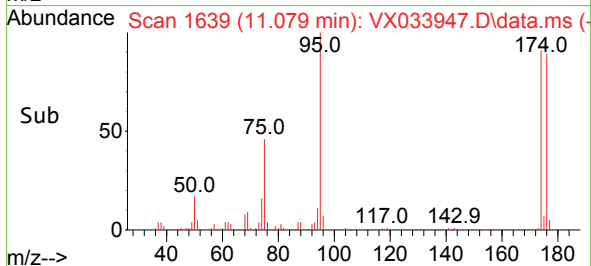
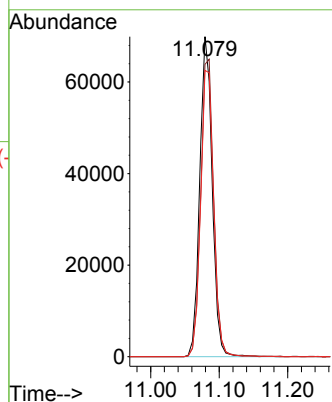
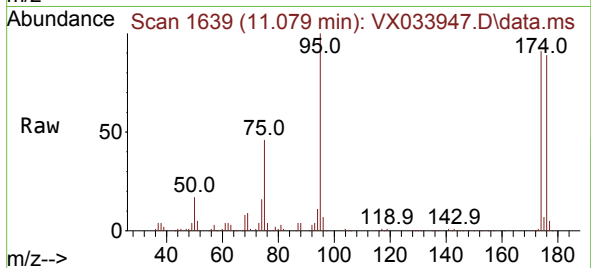




#62
4-Bromofluorobenzene
Concen: 44.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

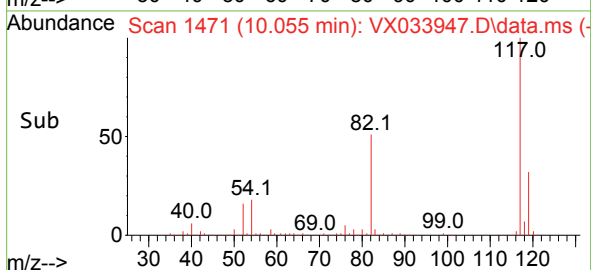
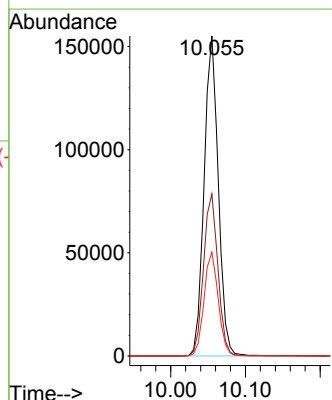
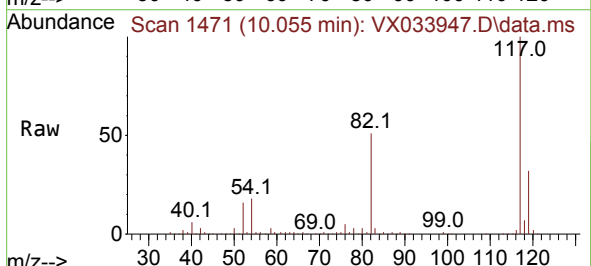
Instrument :
MSVOA_X
ClientSampleId :

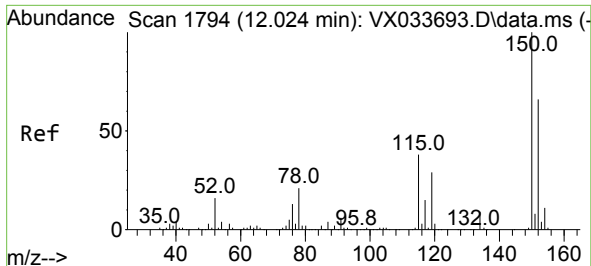
Tgt Ion: 95 Resp: 88456
Ion Ratio Lower Upper
95 100
174 96.9 0.0 184.4
176 93.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

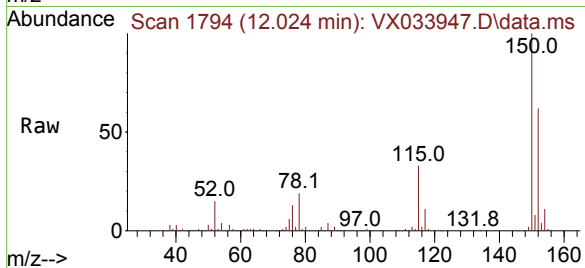
Tgt Ion: 117 Resp: 204022
Ion Ratio Lower Upper
117 100
82 50.7 40.6 60.8
119 32.4 25.6 38.4



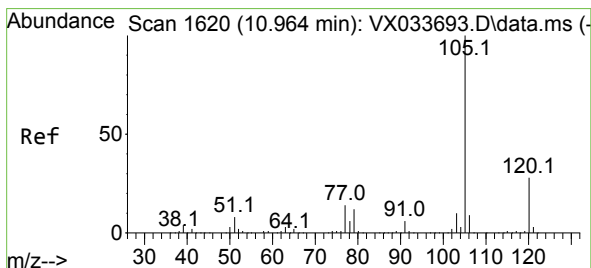
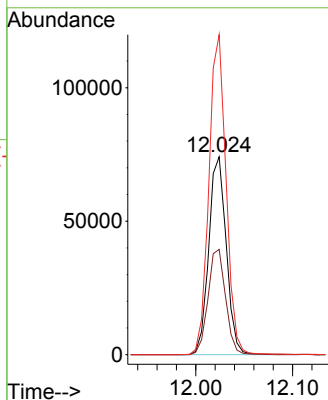
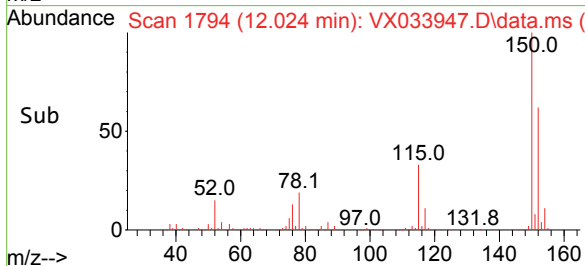


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28

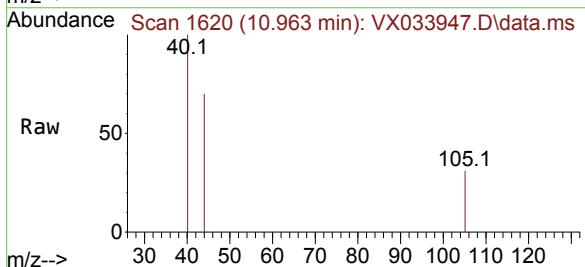
Instrument :
MSVOA_X
ClientSampleId :



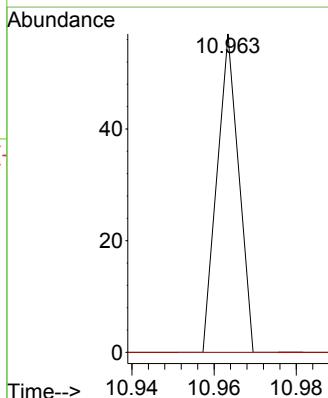
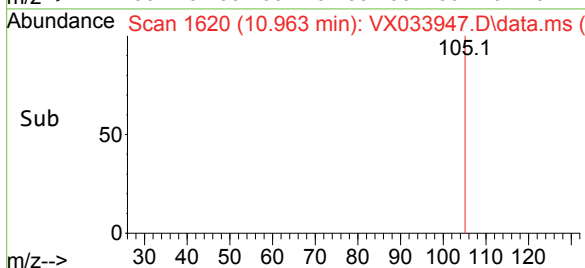
Tgt Ion:152 Resp: 93572
Ion Ratio Lower Upper
152 100
115 53.5 38.7 116.1
150 158.3 0.0 348.2

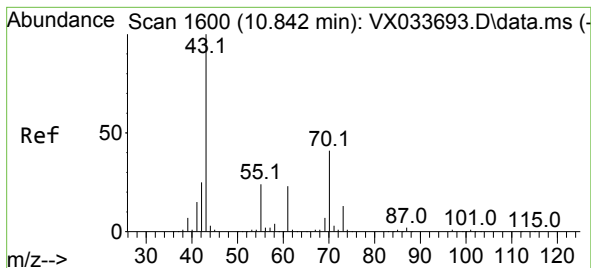


#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX033947.D
Acq: 30 Jan 2023 15:28



Tgt Ion:105 Resp: 21
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 7.136 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 17535

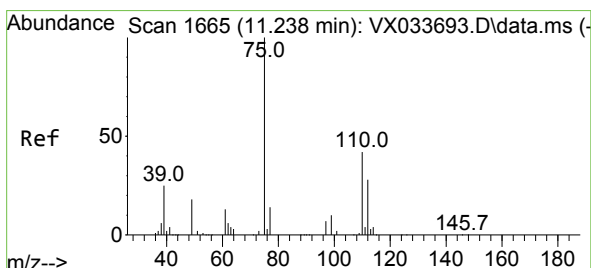
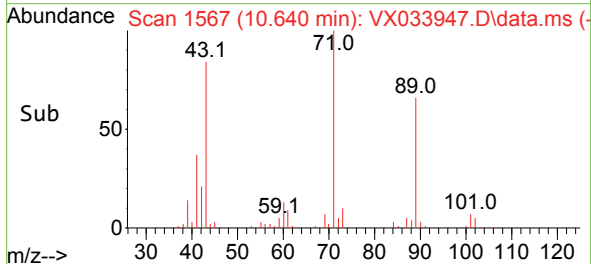
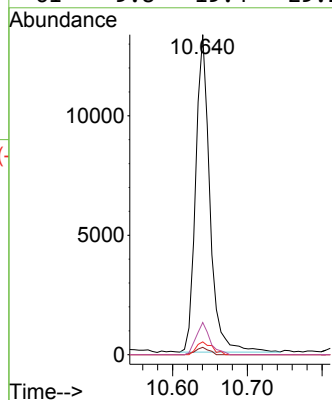
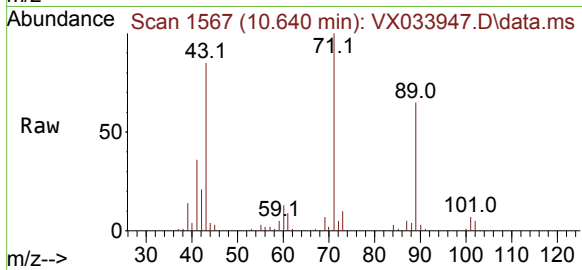
Ion Ratio Lower Upper

43 100

70 2.2 34.8 52.2#

55 4.4 19.4 29.0#

61 9.8 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 23.664 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033947.D

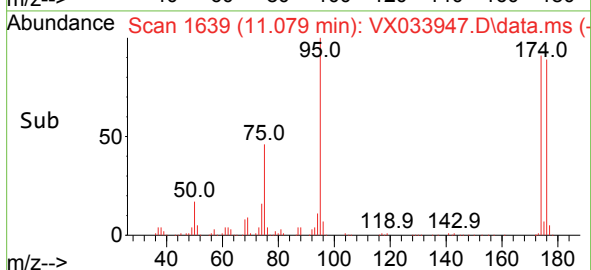
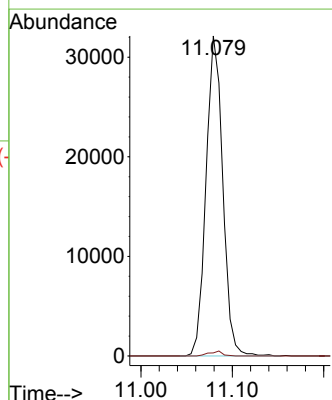
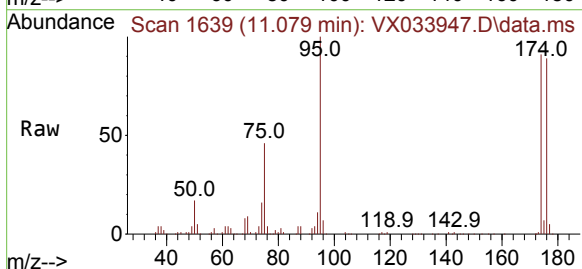
Acq: 30 Jan 2023 15:28

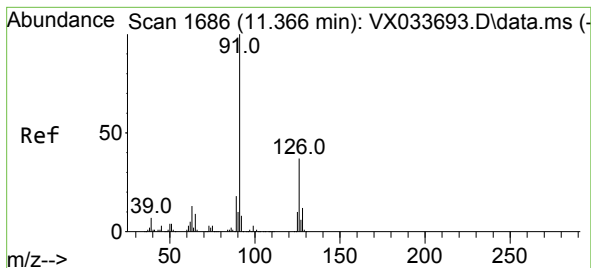
Tgt Ion: 75 Resp: 40684

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.311 min Scan# 1677

Delta R.T. -0.055 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

Instrument :

MSVOA_X

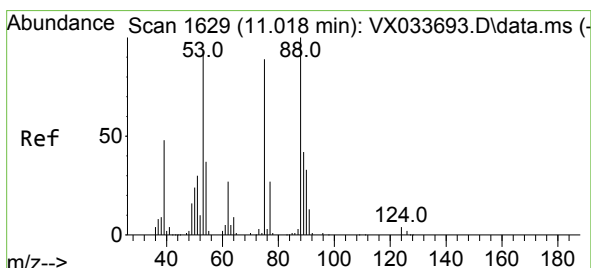
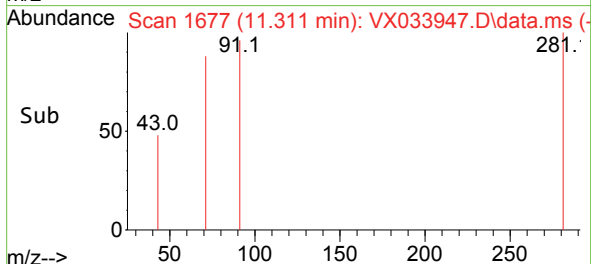
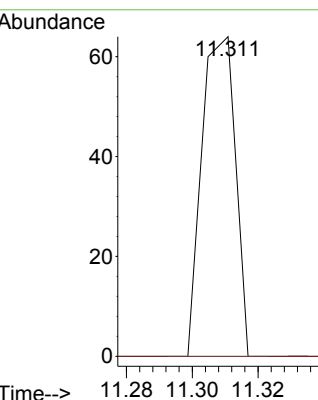
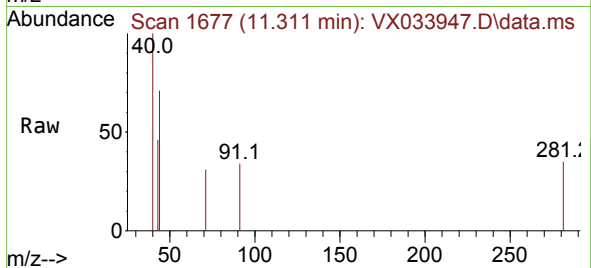
ClientSampleId :

Tgt Ion: 91 Resp: 45

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.545 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033947.D

Acq: 30 Jan 2023 15:28

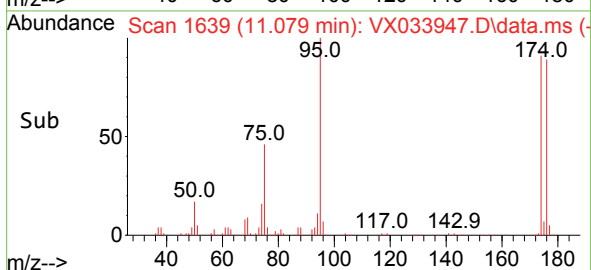
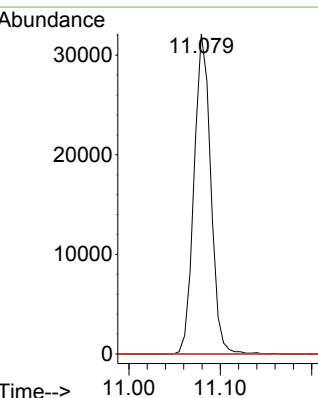
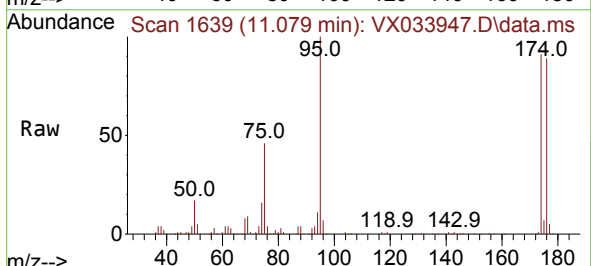
Tgt Ion: 75 Resp: 40684

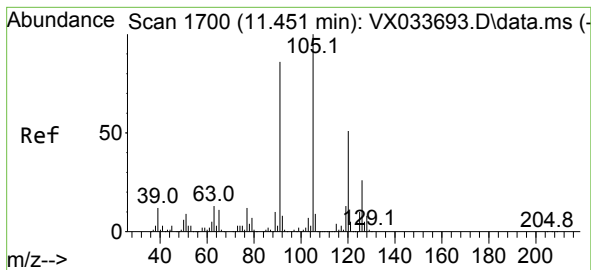
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

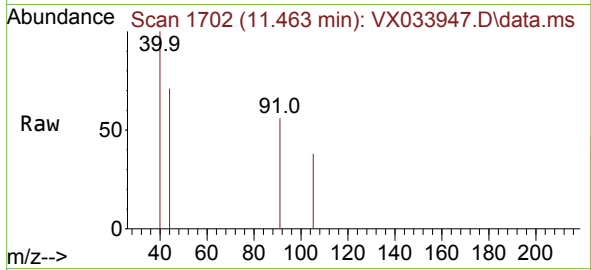
89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.463 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX033947.D
 Acq: 30 Jan 2023 15:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 91 Resp: 113
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

