

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040116.D
 Acq On : 05 Feb 2024 15:17
 Operator : JC/MD
 Sample : P1141-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-4-6-8

Quant Time: Feb 06 03:01:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

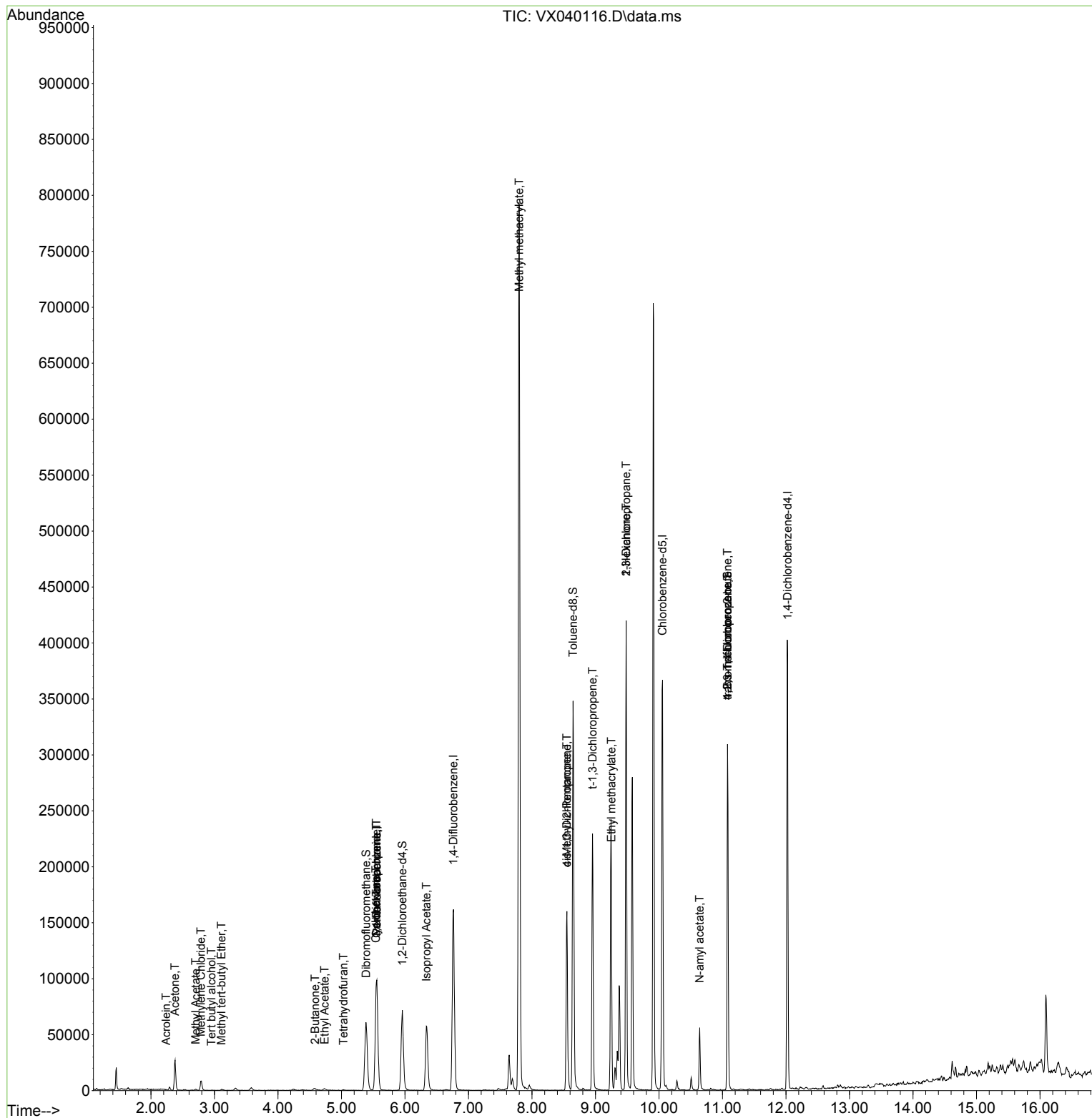
Internal Standards						
1) Pentafluorobenzene	5.556	168	92630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	160784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65419	43.883	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.760%
35) Dibromofluoromethane	5.385	113	52215	47.706	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.420%
50) Toluene-d8	8.647	98	201600	49.253	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.500%
62) 4-Bromofluorobenzene	11.079	95	80678	51.189	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	200	0.739	ug/l #	78
13) Acrolein	2.240	56	244	0.941	ug/l #	46
16) Acetone	2.380	43	26839	38.424	ug/l #	83
18) Methyl Acetate	2.703	43	1274	0.770	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	855	0.240	ug/l #	84
20) Methylene Chloride	2.788	84	4304	3.467	ug/l	91
25) 2-Butanone	4.587	43	3450	3.553	ug/l #	88
29) Tetrahydrofuran	5.032	42	328	0.531	ug/l #	40
31) Cyclohexane	5.544	56	2242	1.201	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	7872	4.973	ug/l #	50
37) Ethyl Acetate	4.733	43	2760	1.597	ug/l #	93
38) Carbon Tetrachloride	5.550	117	9426	6.223	ug/l #	14
43) Isopropyl Acetate	6.336	43	80943	29.691	ug/l	100
48) Methyl methacrylate	7.799	41	71741	53.421	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	57448	30.870	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	426	0.252	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24637	13.680	ug/l #	62
56) Ethyl methacrylate	9.250	69	553	0.318	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3319	1.694	ug/l #	42
59) 2-Hexanone	9.482	43	48021	32.364	ug/l #	54
74) N-amyl acetate	10.640	43	14515	5.781	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	43119	25.477	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43119	75.101	ug/l #	5
90) Hexachloroethane	12.512	117	34	Below Cal	#	17

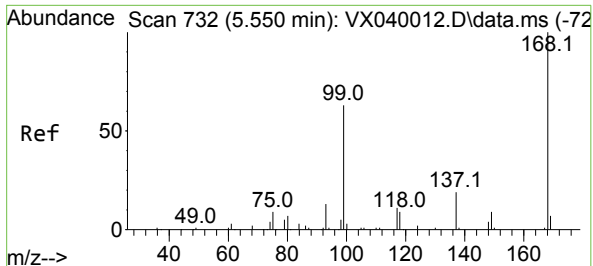
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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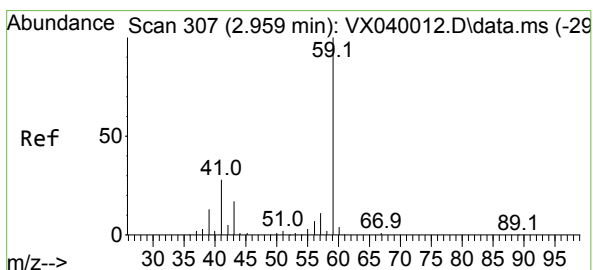
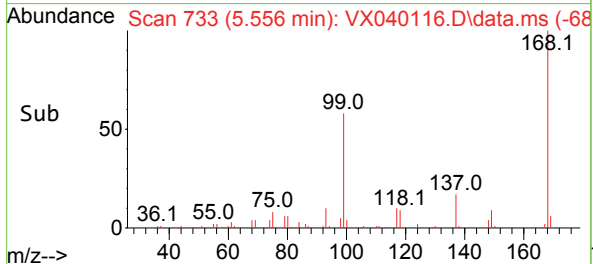
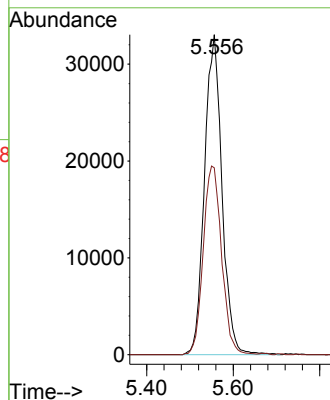
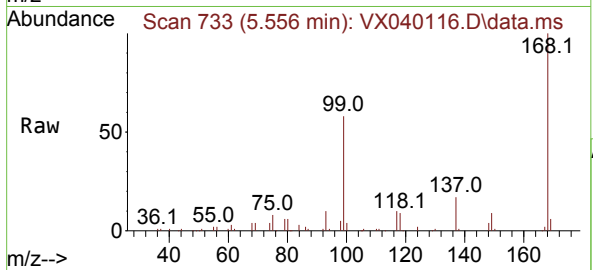




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

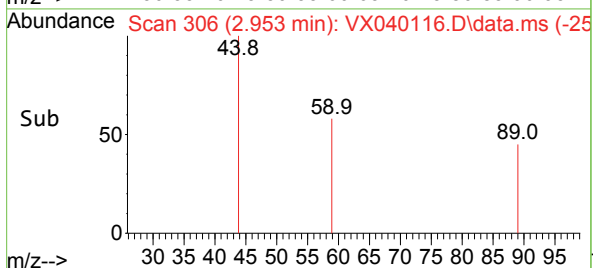
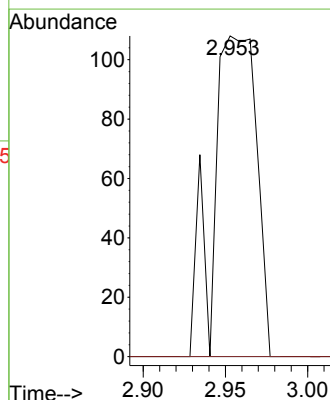
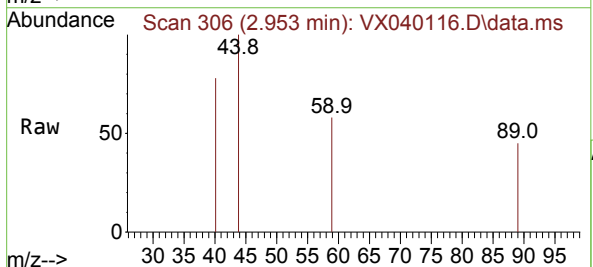
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

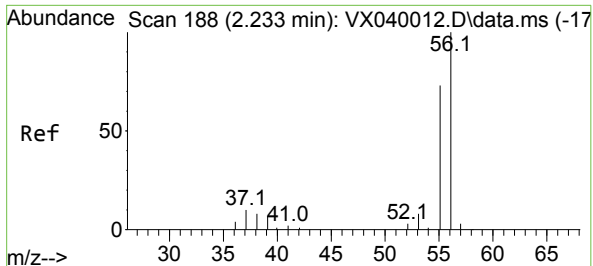
Tgt Ion:168 Resp: 92630
Ion Ratio Lower Upper
168 100
99 58.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.739 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

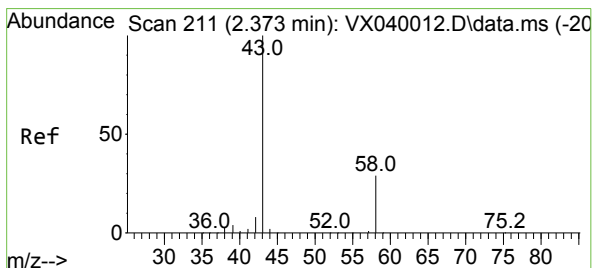
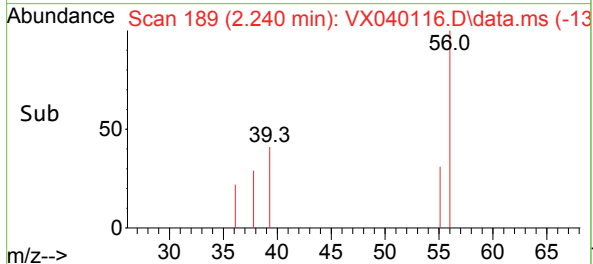
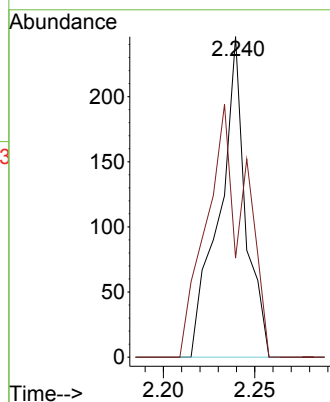
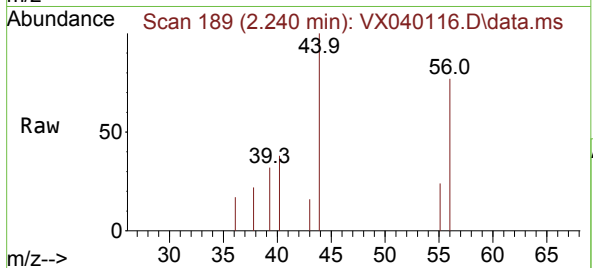




#13
Acrolein
Concen: 0.941 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

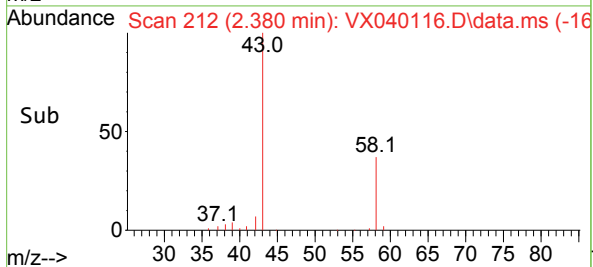
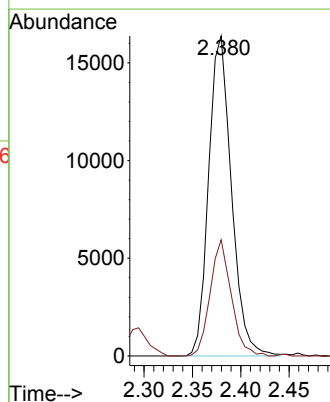
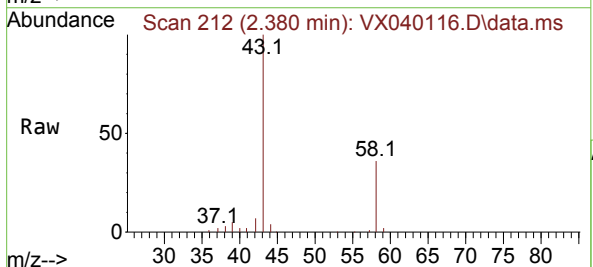
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

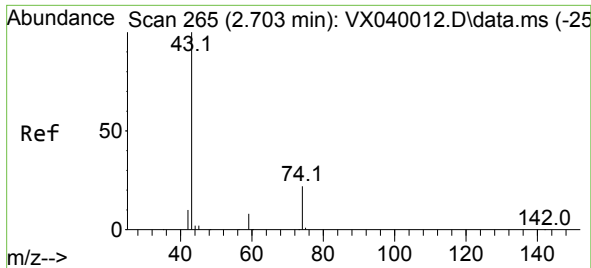
Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 116.0 57.1 85.7#



#16
Acetone
Concen: 38.424 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 43 Resp: 26839
Ion Ratio Lower Upper
43 100
58 36.3 21.9 32.9#

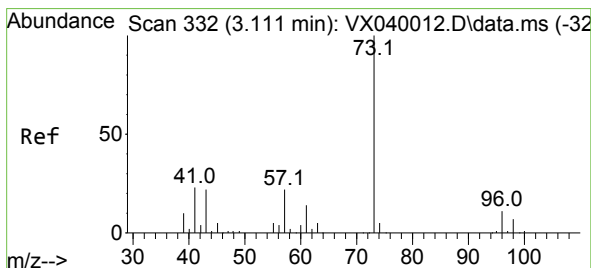
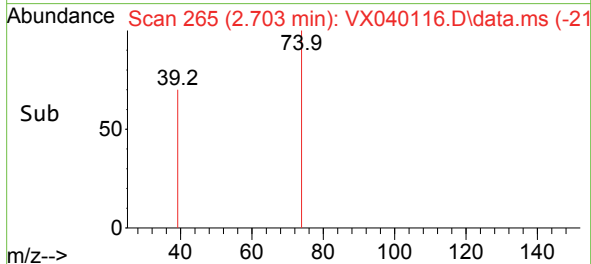
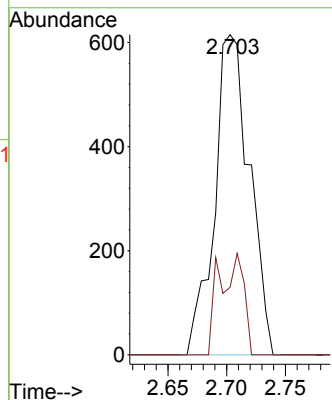
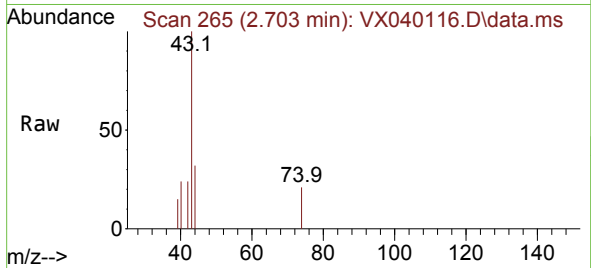




#18
Methyl Acetate
Concen: 0.770 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

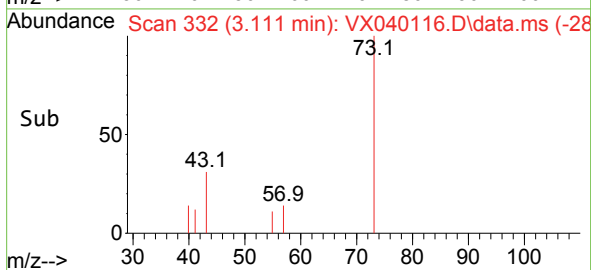
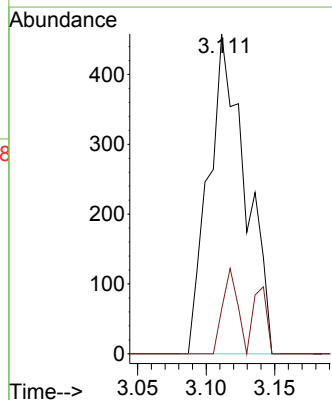
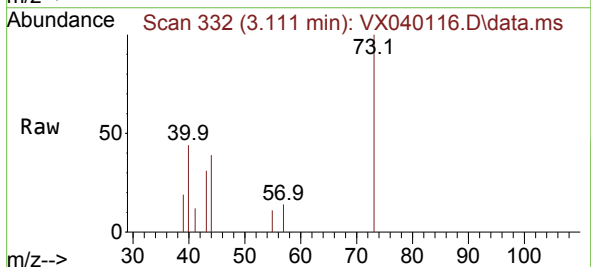
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

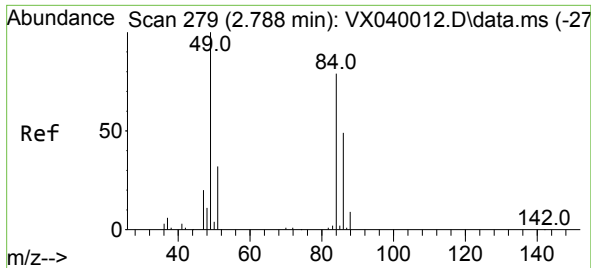
Tgt Ion: 43 Resp: 1274
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 0.240 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 73 Resp: 855
Ion Ratio Lower Upper
73 100
57 14.0 17.3 25.9#

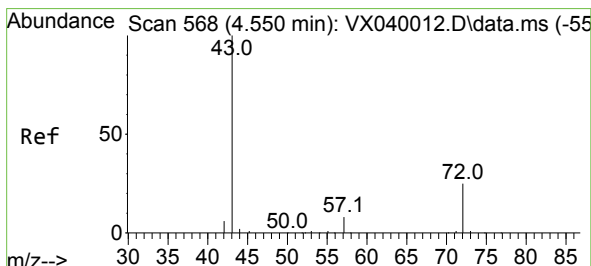
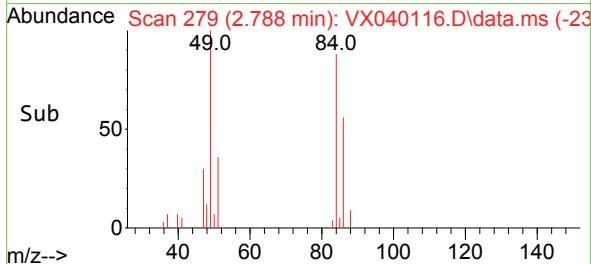
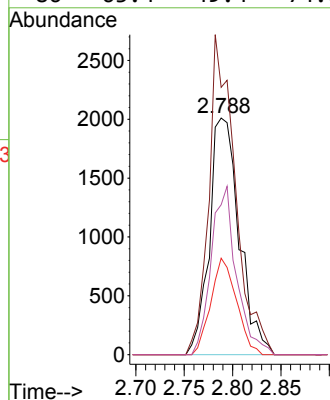
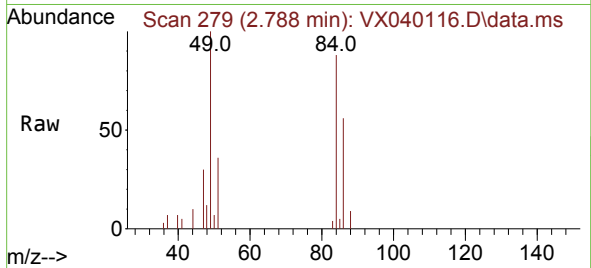




#20
Methylene Chloride
Concen: 3.467 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

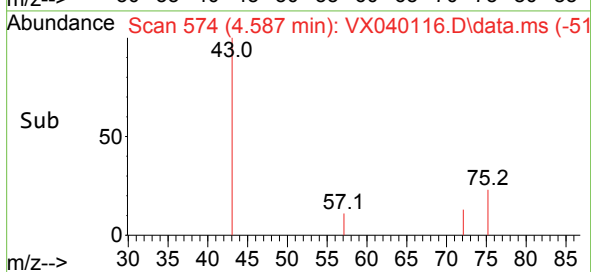
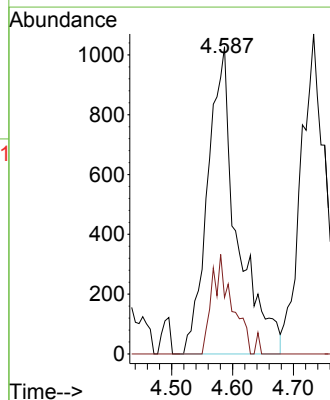
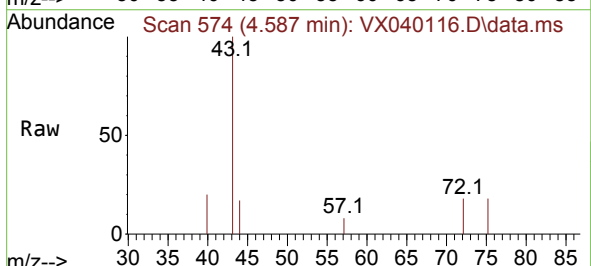
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

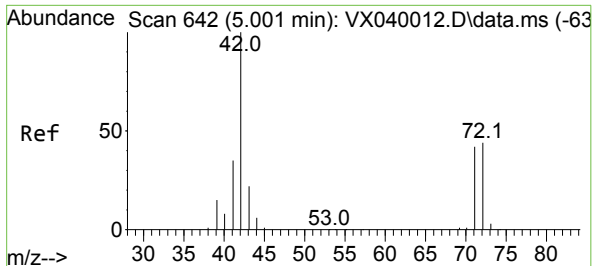
Tgt Ion:	84	Resp:	4304
Ion	Ratio	Lower	Upper
84	100		
49	113.0	103.6	155.4
51	40.8	33.8	50.6
86	63.4	49.4	74.0



#25
2-Butanone
Concen: 3.553 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.037 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion:	43	Resp:	3450
Ion	Ratio	Lower	Upper
43	100		
72	18.4	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.531 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.031 min

Lab File: VX040116.D

Acq: 05 Feb 2024 15:17

Instrument :

MSVOA_X

ClientSampleId :

EB-4-6-8

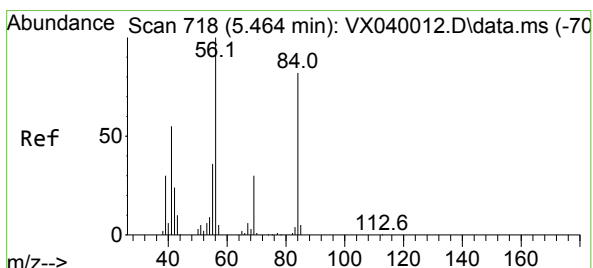
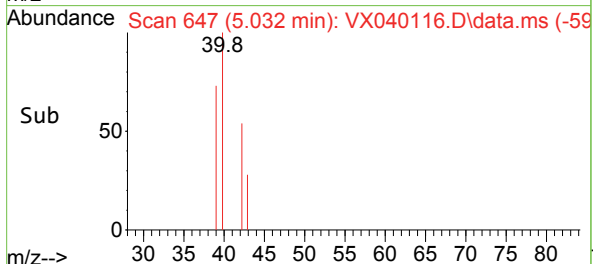
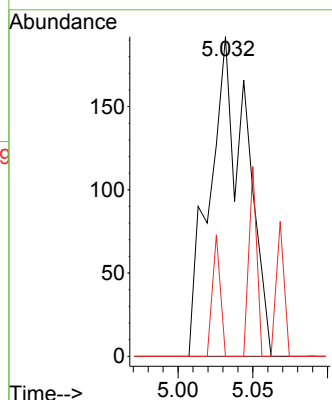
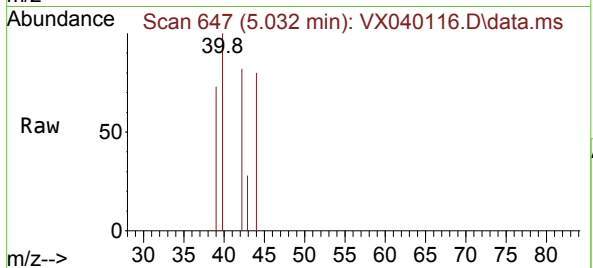
Tgt Ion: 42 Resp: 328

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 8.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX040116.D

Acq: 05 Feb 2024 15:17

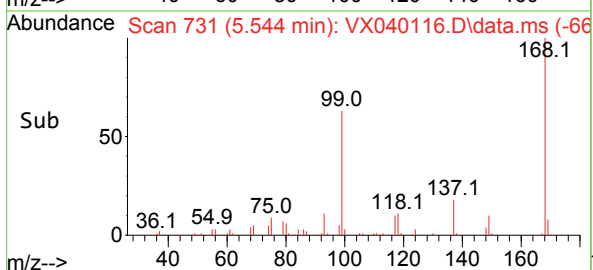
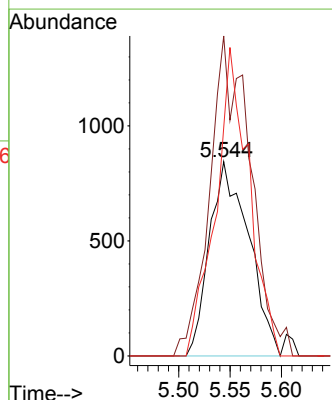
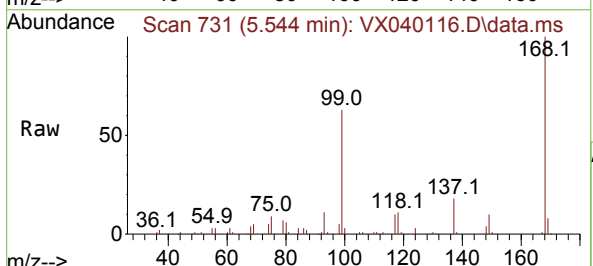
Tgt Ion: 56 Resp: 2242

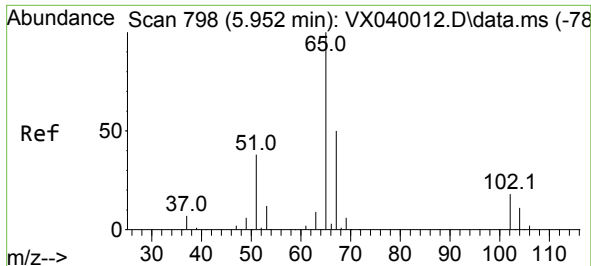
Ion Ratio Lower Upper

56 100

69 156.0 23.4 35.2#

84 117.7 65.9 98.9#

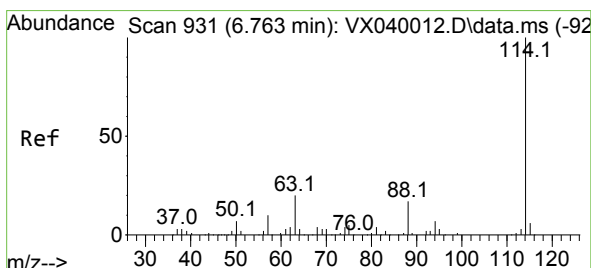
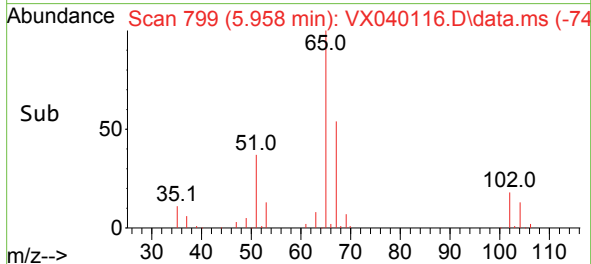
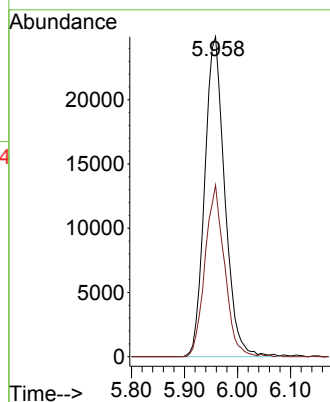
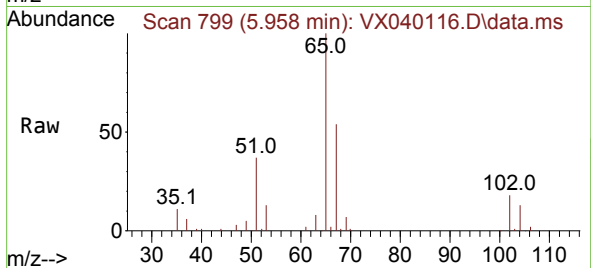




#33
 1,2-Dichloroethane-d4
 Concen: 43.883 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040116.D
 Acq: 05 Feb 2024 15:17

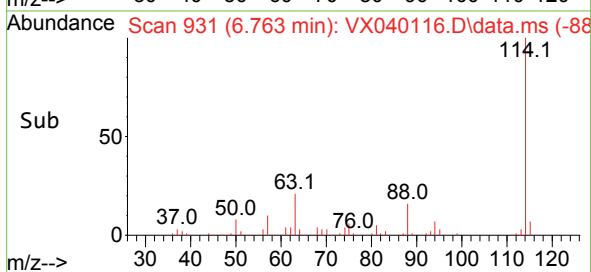
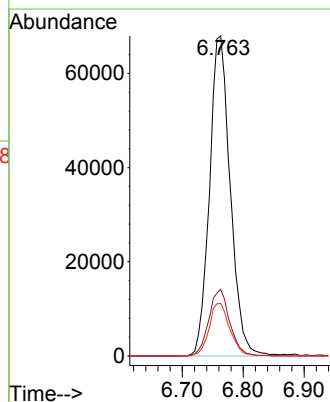
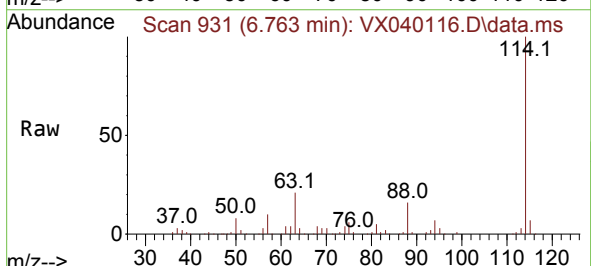
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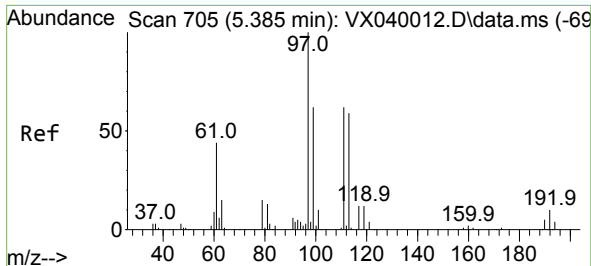
Tgt Ion: 65 Resp: 65419
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040116.D
 Acq: 05 Feb 2024 15:17

Tgt Ion: 114 Resp: 160784
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.0
 88 16.4 0.0 36.6

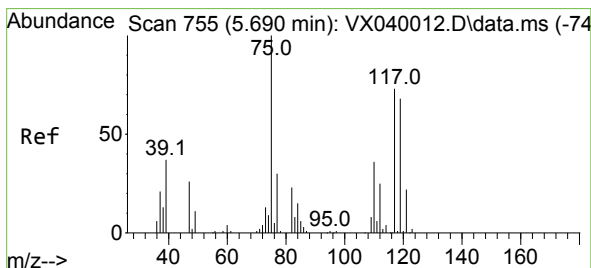
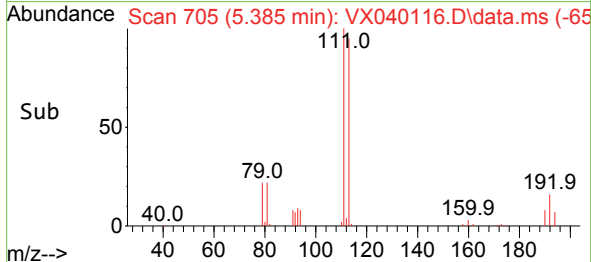
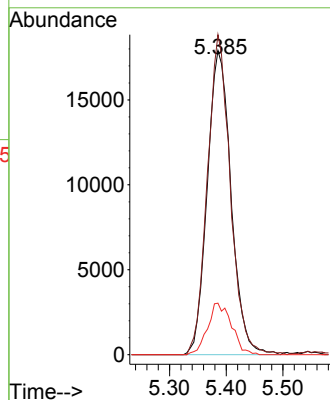
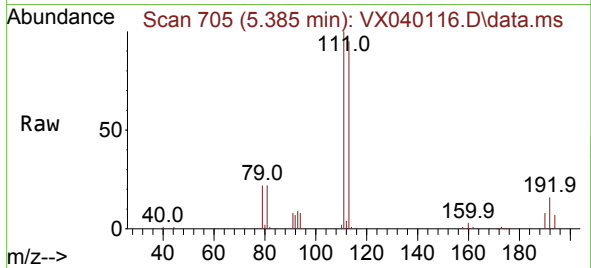




#35
Dibromofluoromethane
Concen: 47.706 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

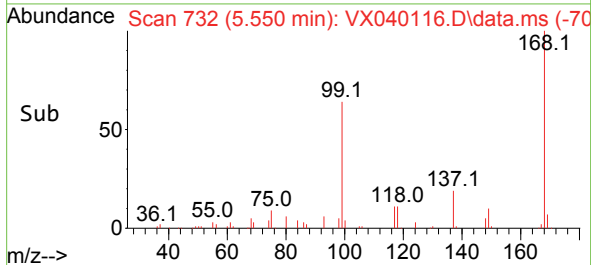
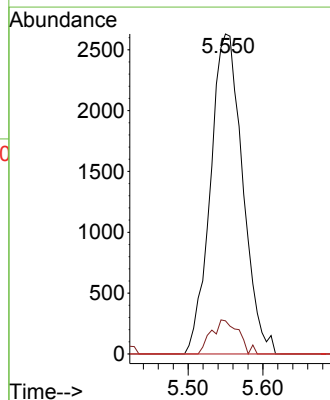
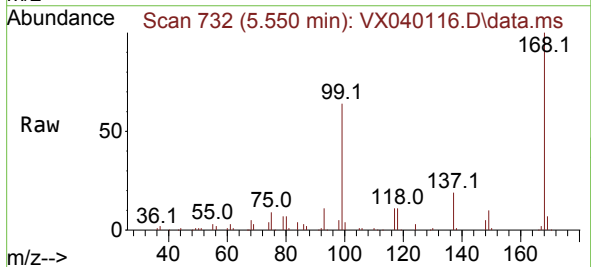
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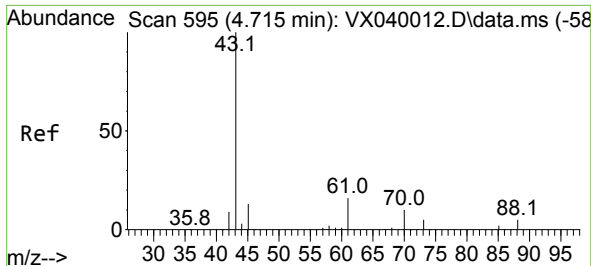
Tgt Ion:113 Resp: 52215
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 17.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.973 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 75 Resp: 7872
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.597 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.018 min

Lab File: VX040116.D

Acq: 05 Feb 2024 15:17

Instrument :

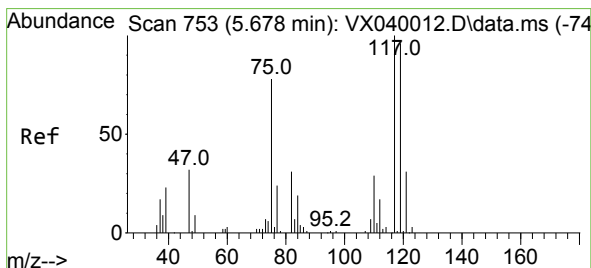
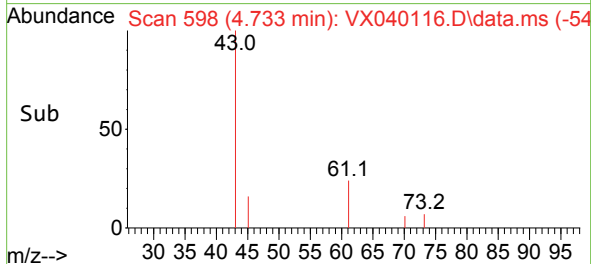
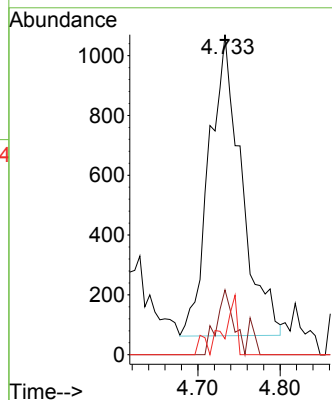
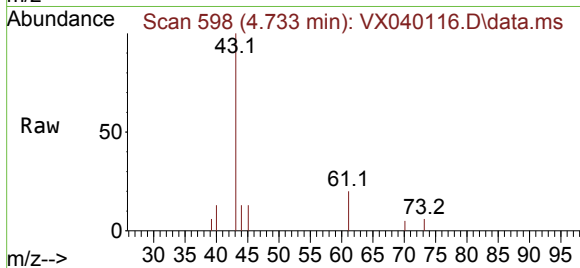
MSVOA_X

ClientSampleId :

EB-4-6-8

Tgt Ion: 43 Resp: 2760

Ion	Ratio	Lower	Upper
43	100		
61	11.1	10.6	16.0
70	7.2	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.223 ug/l

RT: 5.550 min Scan# 732

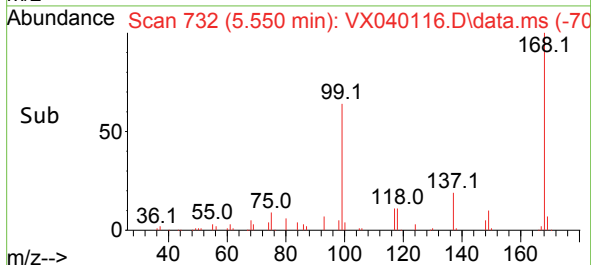
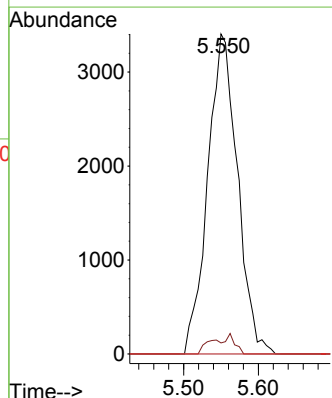
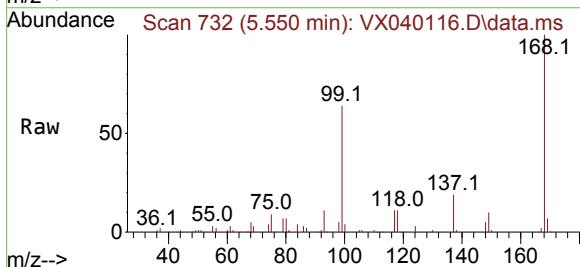
Delta R.T. -0.128 min

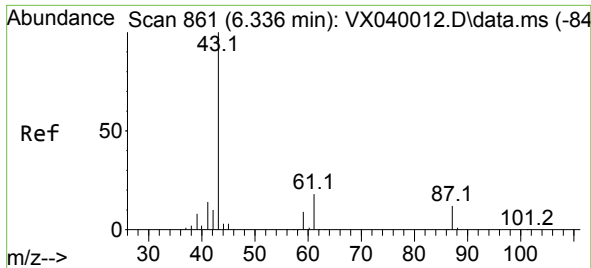
Lab File: VX040116.D

Acq: 05 Feb 2024 15:17

Tgt Ion: 117 Resp: 9426

Ion	Ratio	Lower	Upper
117	100		
119	3.5	78.2	117.2
121	0.0	24.4	36.6

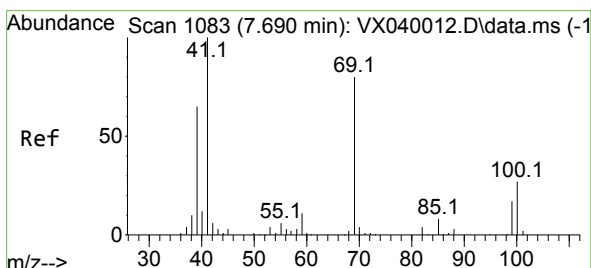
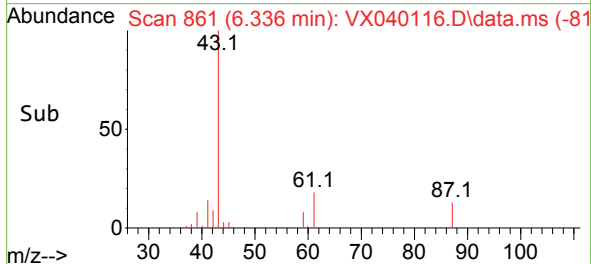
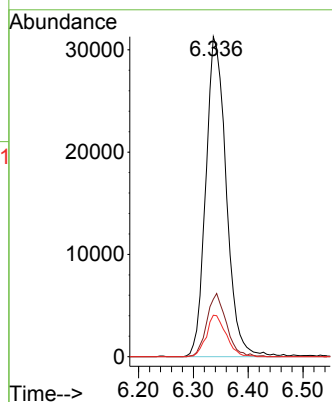
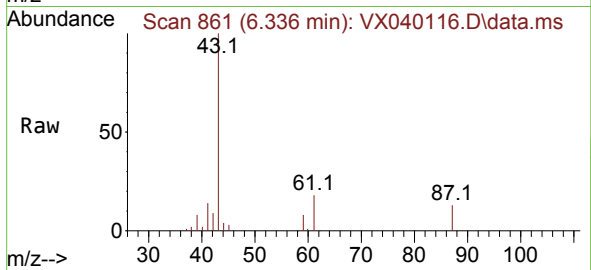




#43
Isopropyl Acetate
Concen: 29.691 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

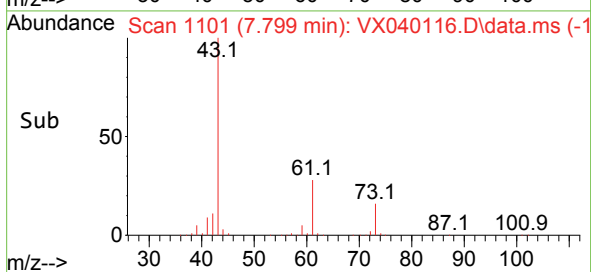
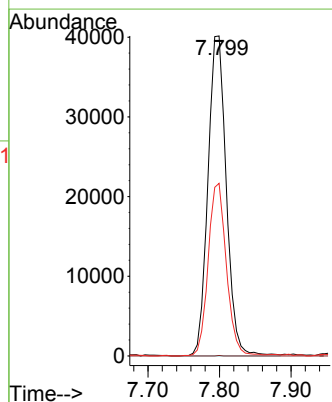
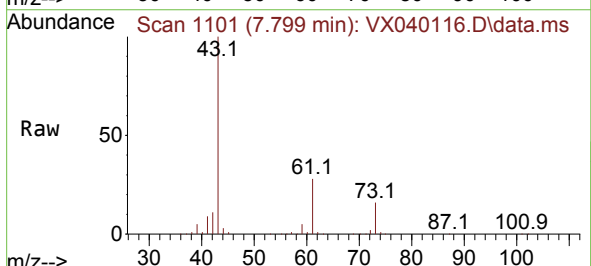
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

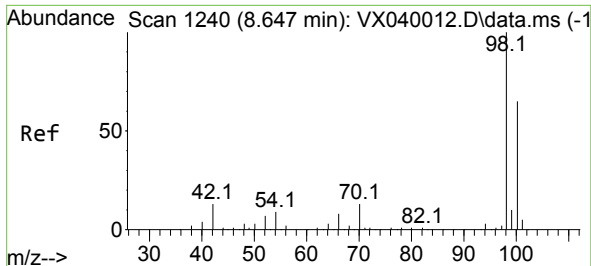
Tgt Ion: 43	Resp: 80943
Ion Ratio	Lower Upper
43 100	
61 18.9	15.2 22.8
87 12.5	9.8 14.6



#48
Methyl methacrylate
Concen: 53.421 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 41	Resp: 71741
Ion Ratio	Lower Upper
41 100	
69 0.0	59.2 88.8#
39 53.5	47.7 71.5

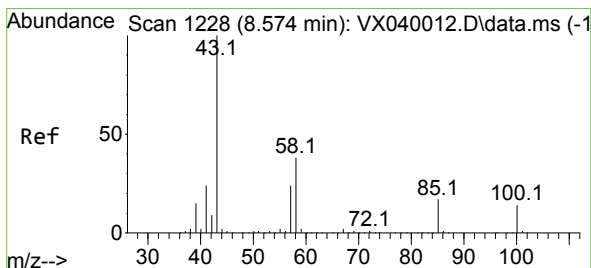
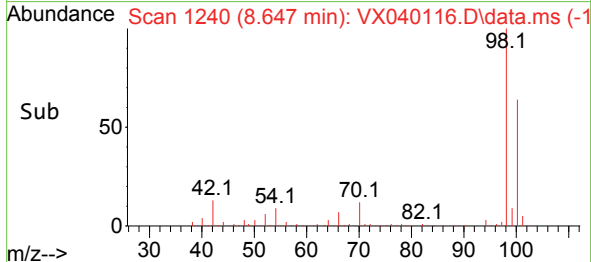
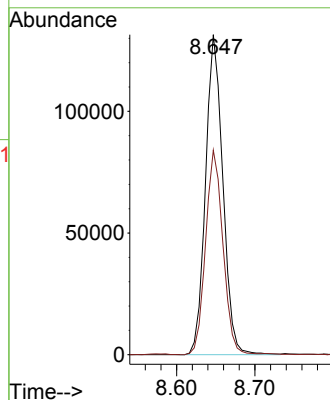
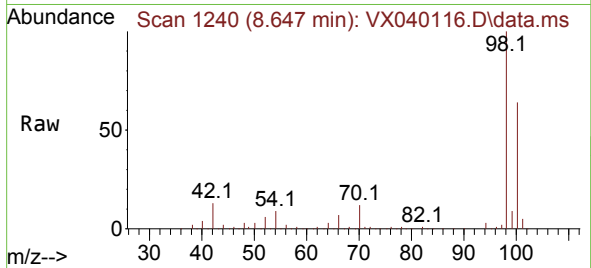




#50
Toluene-d8
Concen: 49.253 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

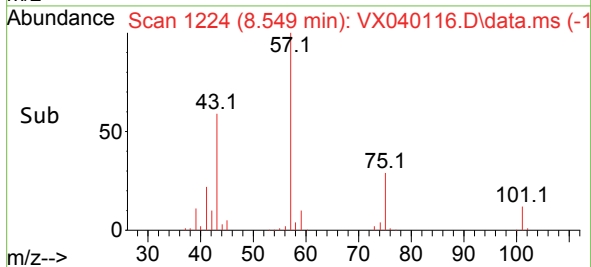
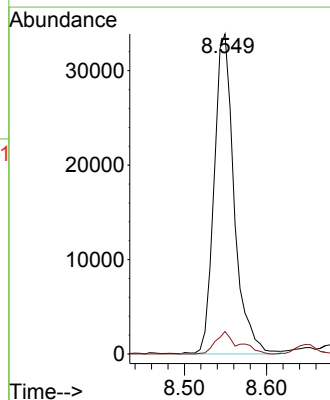
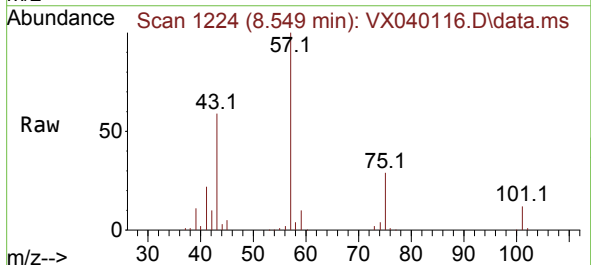
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

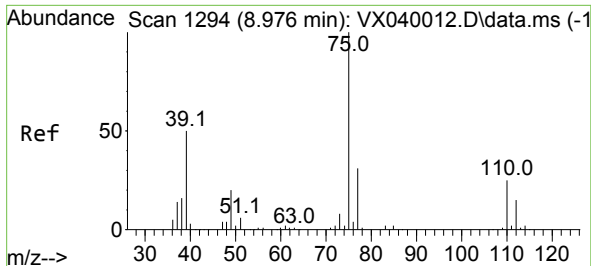
Tgt Ion: 98 Resp: 201600
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.870 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 43 Resp: 57448
Ion Ratio Lower Upper
43 100
58 8.0 30.4 45.6#

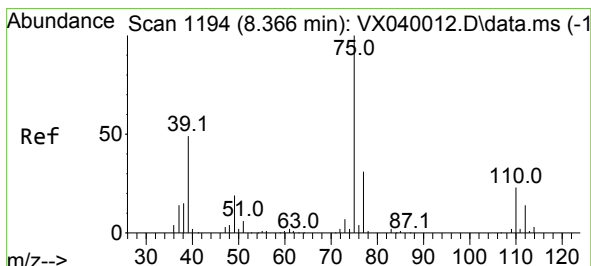
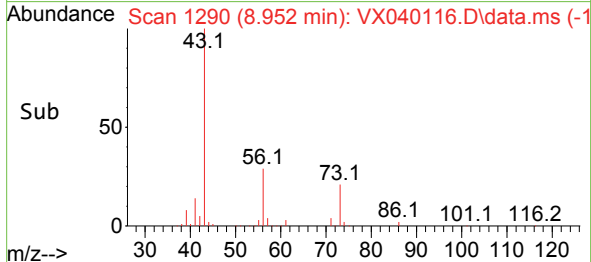
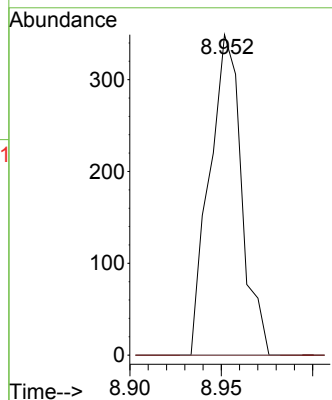
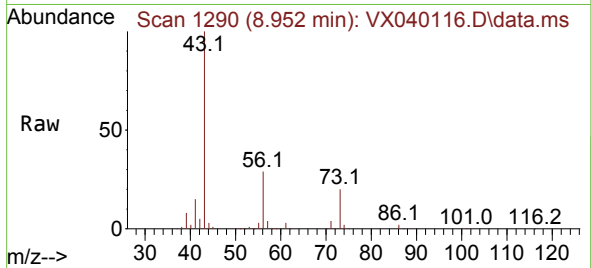




#53
 t-1,3-Dichloropropene
 Concen: 0.252 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX040116.D
 Acq: 05 Feb 2024 15:17

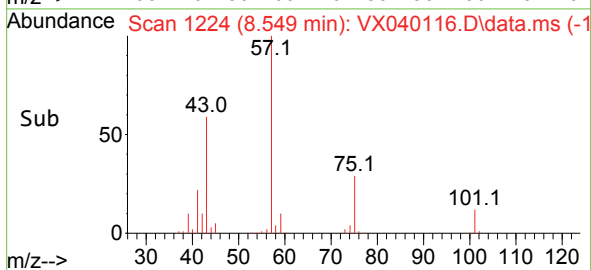
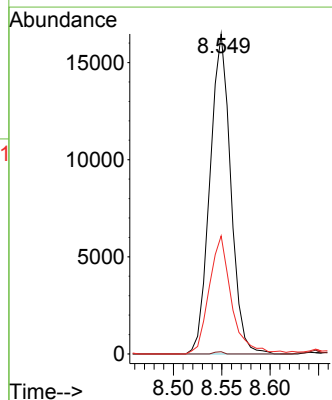
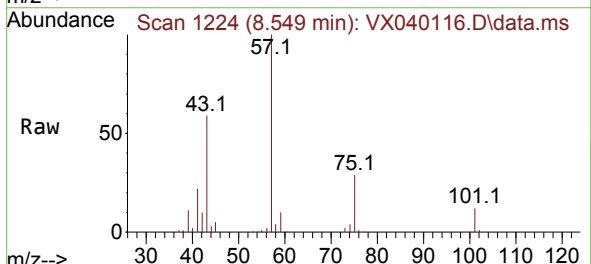
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-4-6-8

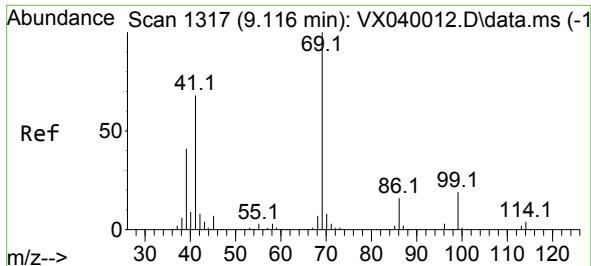
Tgt Ion: 75 Resp: 426
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.680 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040116.D
 Acq: 05 Feb 2024 15:17

Tgt Ion: 75 Resp: 24637
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 36.9 46.7 70.1#

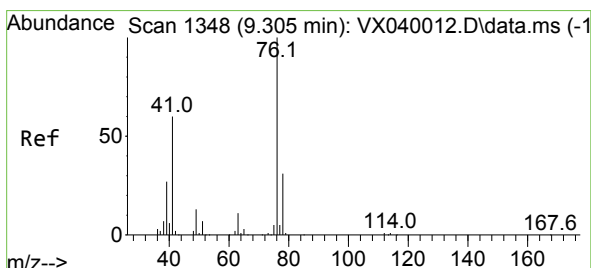
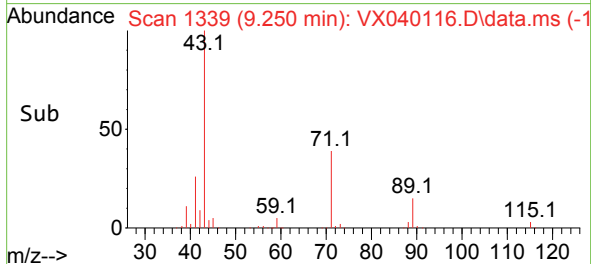
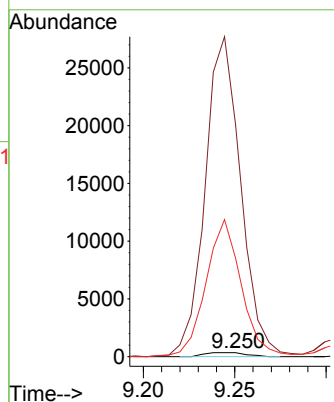
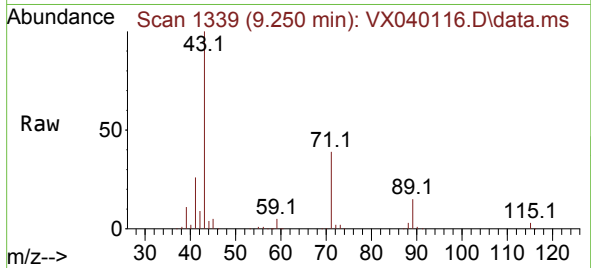




#56
Ethyl methacrylate
Concen: 0.318 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

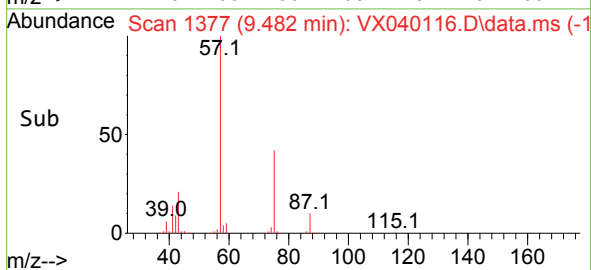
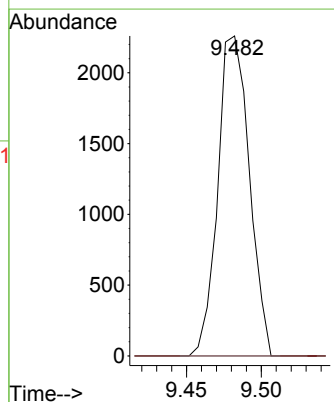
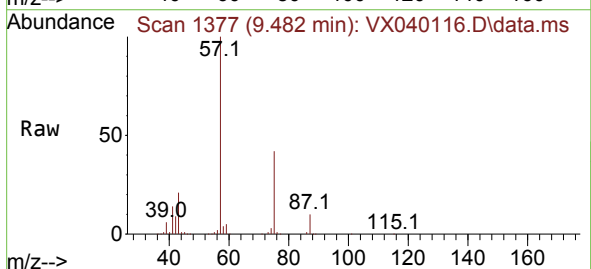
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

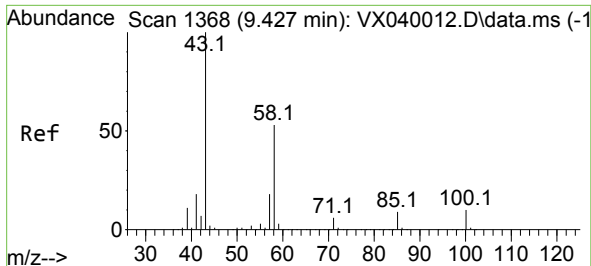
Tgt Ion: 69 Resp: 553
Ion Ratio Lower Upper
69 100
41 6821.3 56.8 85.2#
39 2894.2 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.694 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 76 Resp: 3319
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

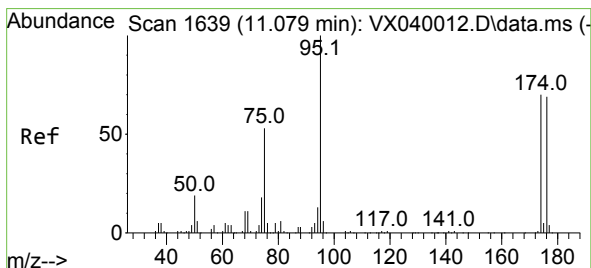
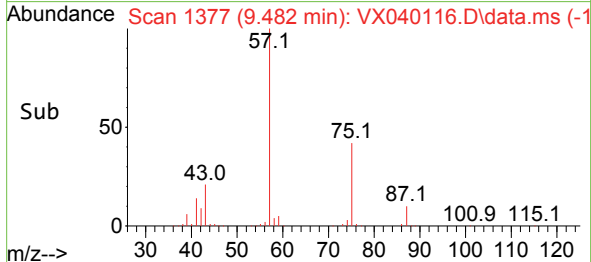
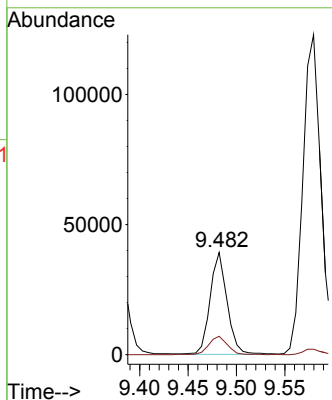
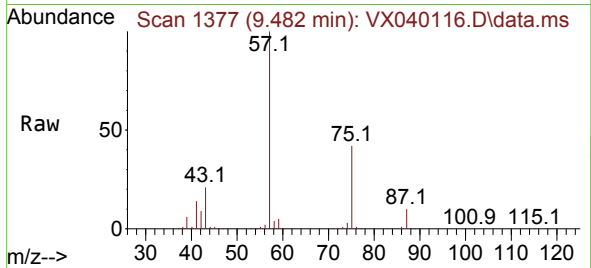




#59
2-Hexanone
Concen: 32.364 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

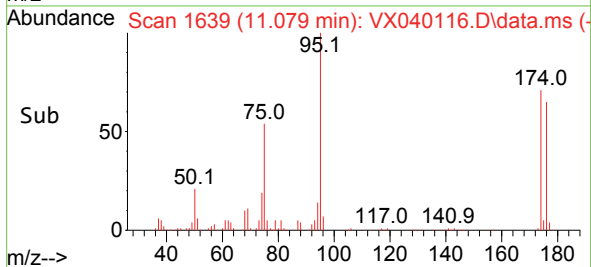
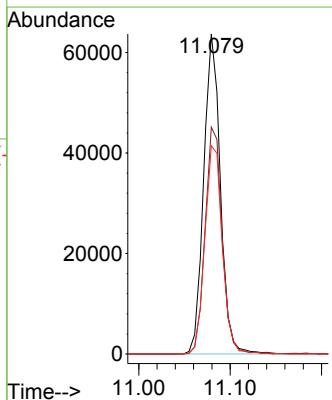
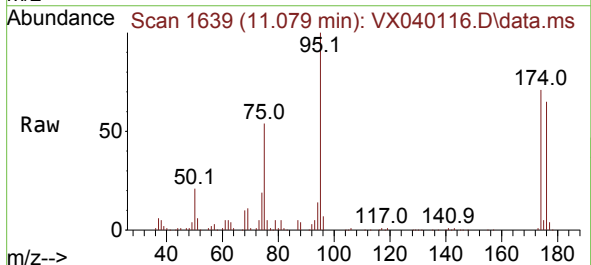
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

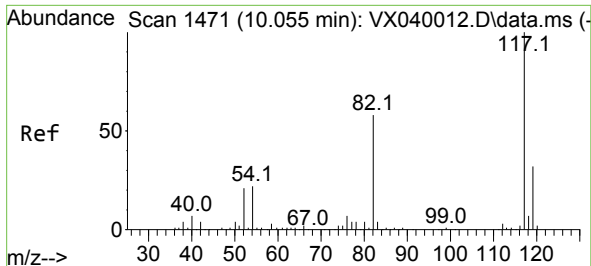
Tgt Ion: 43 Resp: 48021
Ion Ratio Lower Upper
43 100
58 20.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.189 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 95 Resp: 80678
Ion Ratio Lower Upper
95 100
174 72.3 0.0 135.6
176 68.3 0.0 131.0

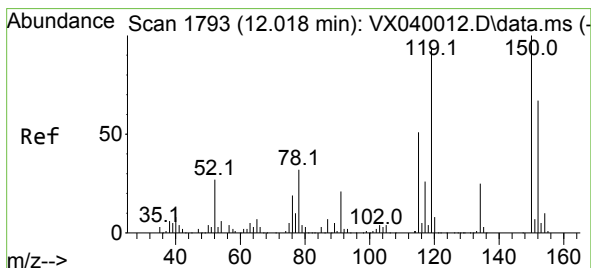
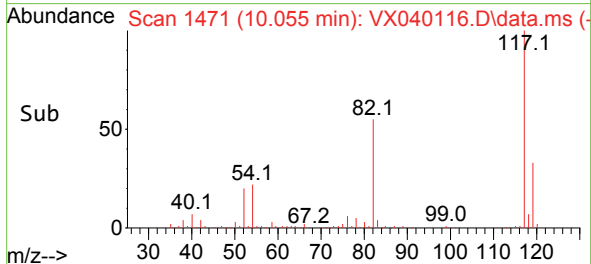
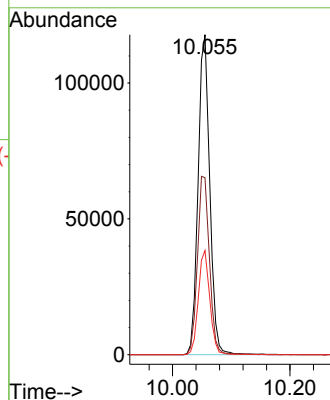
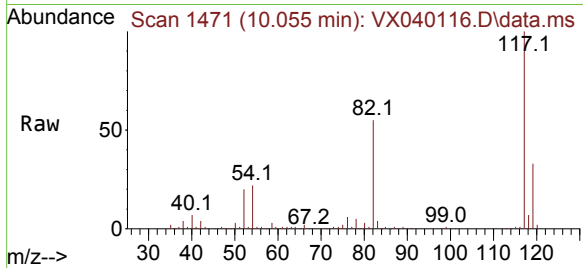




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

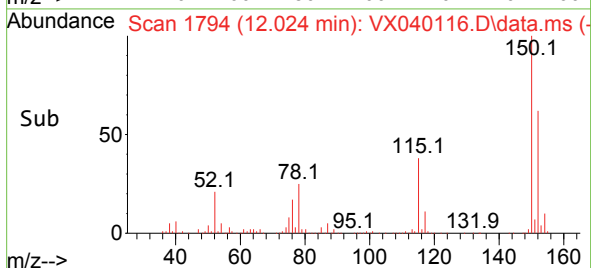
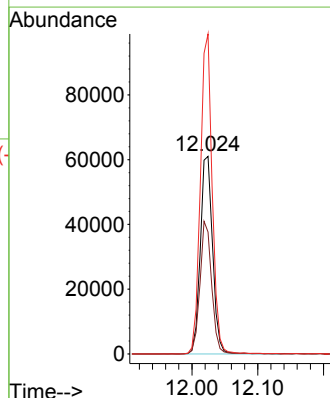
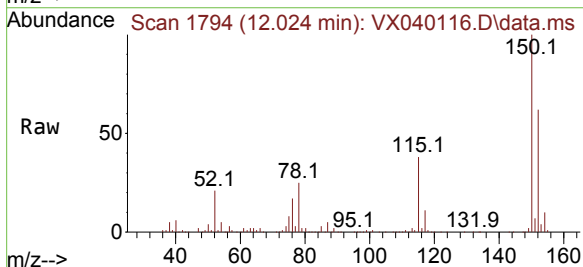
Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

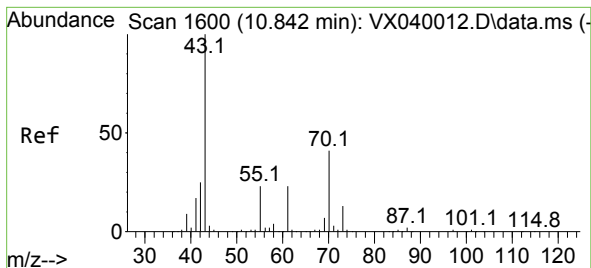
Tgt Ion:117 Resp: 162659
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion:152 Resp: 79475
Ion Ratio Lower Upper
152 100
115 63.6 43.3 129.9
150 155.2 0.0 345.0





#74

N-amy1 acetate

Concen: 5.781 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.202 min

Lab File: VX040116.D

Acq: 05 Feb 2024 15:17

Instrument :

MSVOA_X

ClientSampleId :

EB-4-6-8

Tgt Ion: 43 Resp: 14515

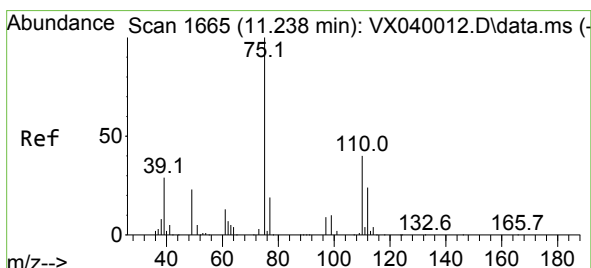
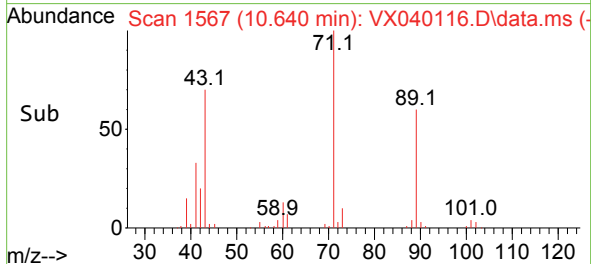
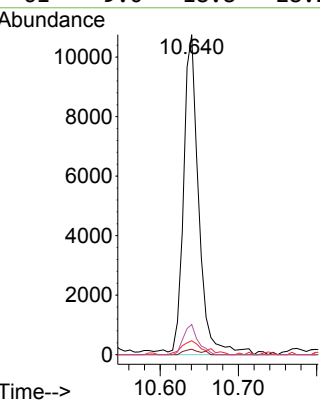
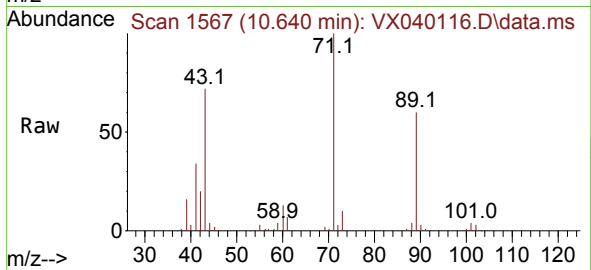
Ion Ratio Lower Upper

43 100

70 1.9 32.9 49.3#

55 6.2 19.3 28.9#

61 9.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.477 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040116.D

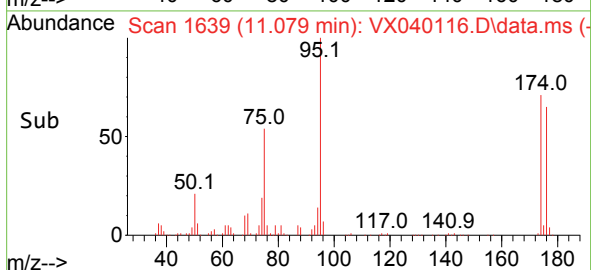
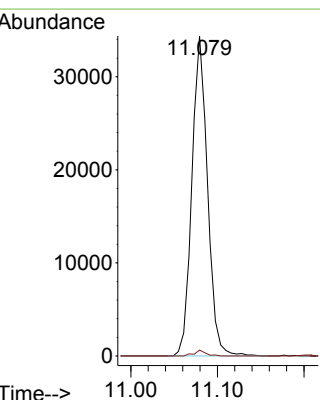
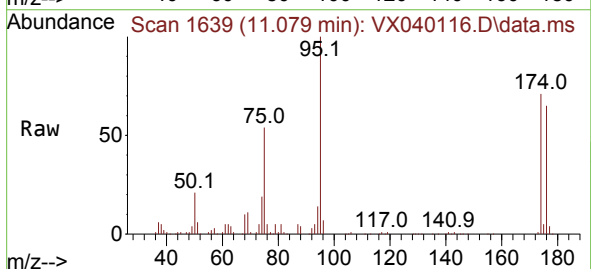
Acq: 05 Feb 2024 15:17

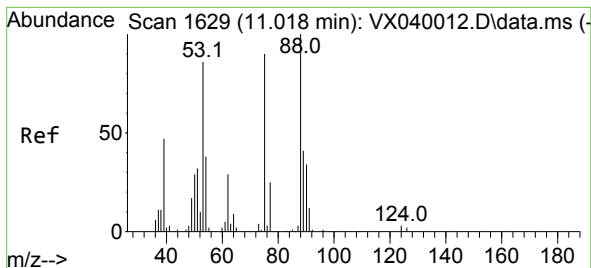
Tgt Ion: 75 Resp: 43119

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

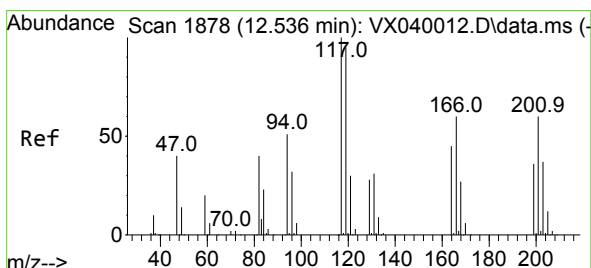
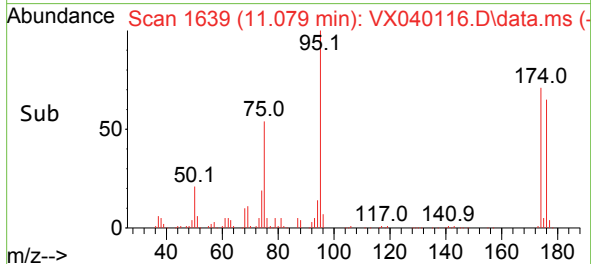
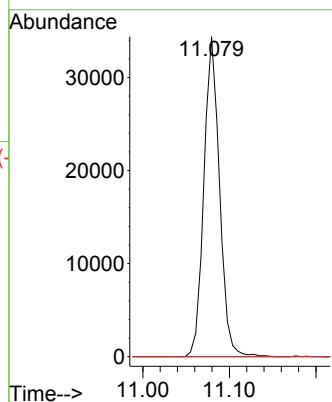
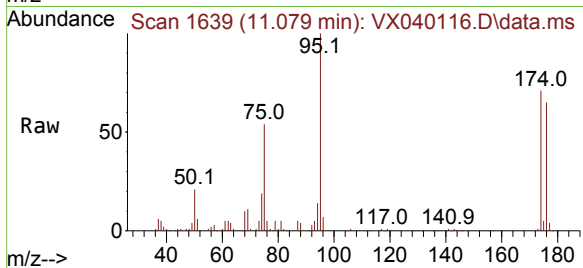




#81
trans-1,4-Dichloro-2-butene
Concen: 75.101 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
EB-4-6-8

Tgt Ion: 75 Resp: 43119
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: Below Cal
RT: 12.512 min Scan# 1874
Delta R.T. -0.024 min
Lab File: VX040116.D
Acq: 05 Feb 2024 15:17

Tgt Ion: 117 Resp: 34
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

