

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030424\
 Data File : VX040567.D
 Acq On : 04 Mar 2024 14:34
 Operator : JC/MD
 Sample : P1662-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-2520556

Quant Time: Mar 05 00:26:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

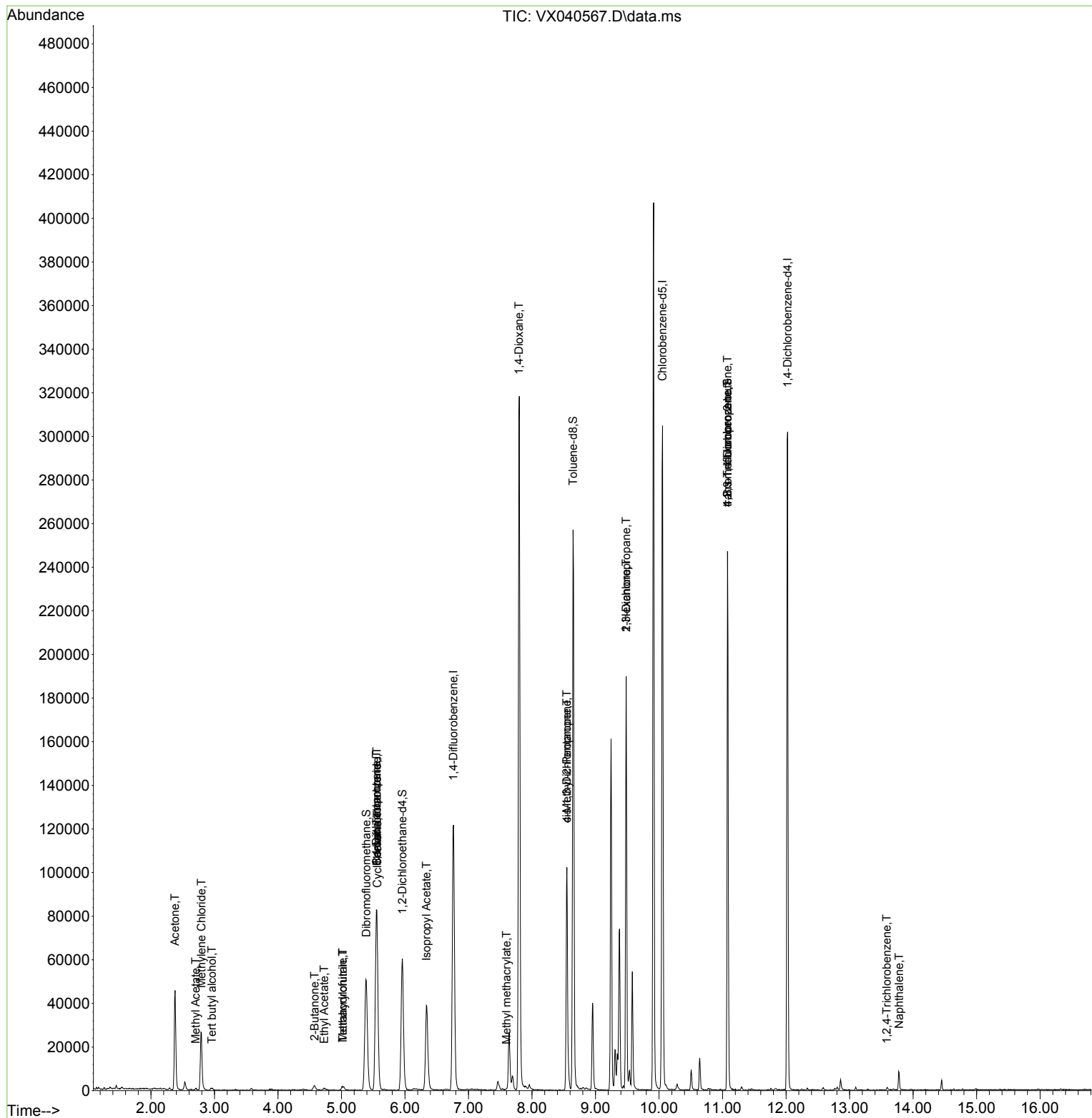
Internal Standards						
1) Pentafluorobenzene	5.556	168	73613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118559	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61118	49.640	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.280%		
35) Dibromofluoromethane	5.391	113	43155	52.344	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.680%		
50) Toluene-d8	8.647	98	146130	48.830	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.660%		
62) 4-Bromofluorobenzene	11.079	95	61326	53.758	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	107.520%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	1198	5.788	ug/l #	78
16) Acetone	2.380	43	50010	124.551	ug/l	99
18) Methyl Acetate	2.703	43	1062	0.858	ug/l #	84
20) Methylene Chloride	2.794	84	12087	12.579	ug/l	91
25) 2-Butanone	4.574	43	3778	5.400	ug/l	97
29) Tetrahydrofuran	5.019	42	940	1.926	ug/l #	49
31) Cyclohexane	5.562	56	2053	1.472	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	6646	5.232	ug/l #	50
37) Ethyl Acetate	4.727	43	1876	1.350	ug/l #	85
38) Carbon Tetrachloride	5.556	117	8000	6.519	ug/l #	15
41) Methacrylonitrile	5.019	41	1001	1.289	ug/l #	53
43) Isopropyl Acetate	6.336	43	54507	24.989	ug/l	98
48) Methyl methacrylate	7.598	41	1059	0.971	ug/l #	16
49) 1,4-Dioxane	7.793	88	20	0.970	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	39626	27.476	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	14845	10.214	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1614	1.058	ug/l #	42
59) 2-Hexanone	9.482	43	22968	20.714	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	35693	27.057	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35693	78.499	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	284	0.219	ug/l	78
95) Naphthalene	13.780	128	5295	1.281	ug/l	97

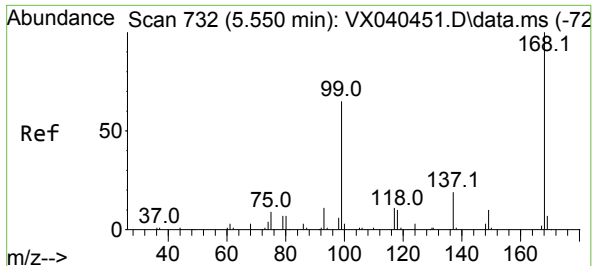
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
Response via : Initial Calibration

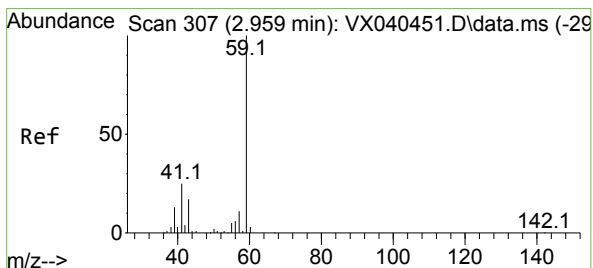
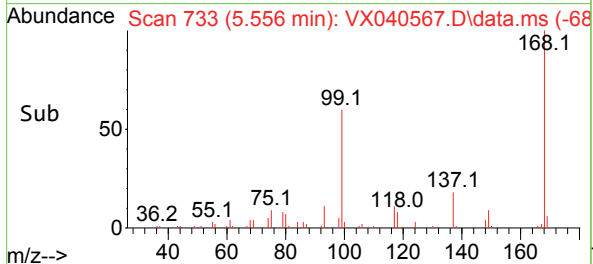
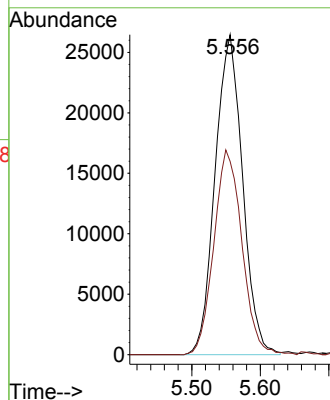
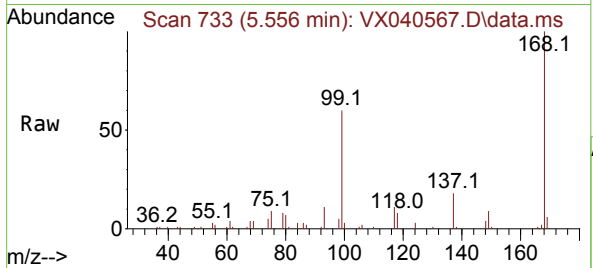




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

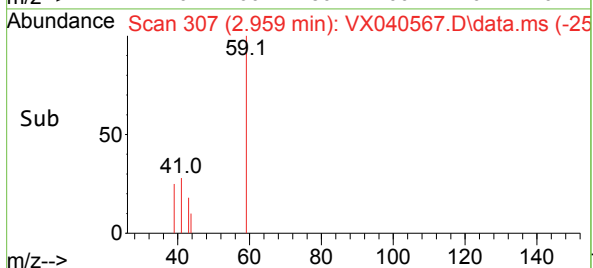
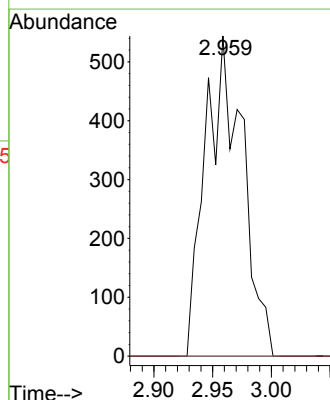
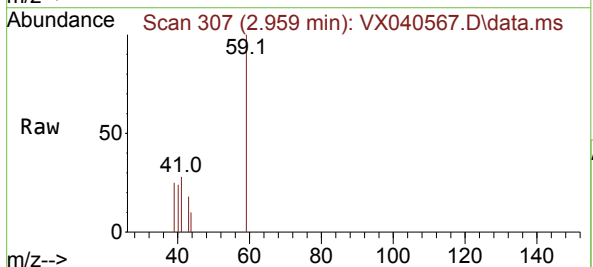
Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

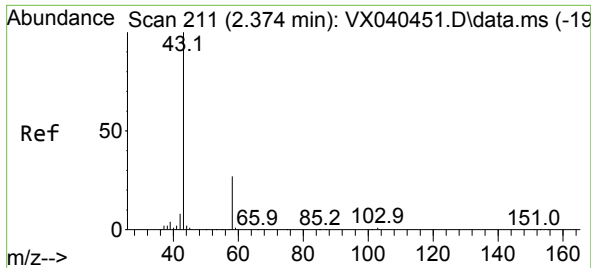
Tgt Ion:168 Resp: 73613
Ion Ratio Lower Upper
168 100
99 60.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.788 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion: 59 Resp: 1198
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

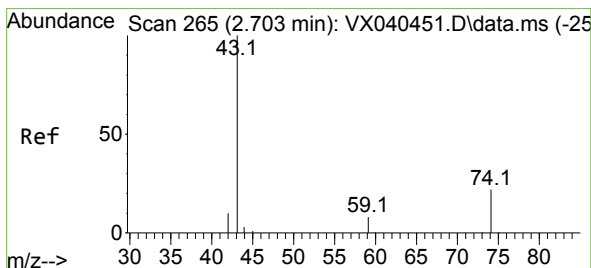
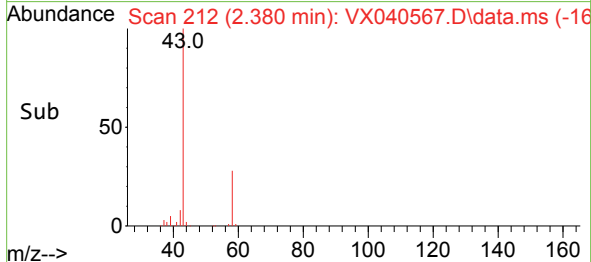
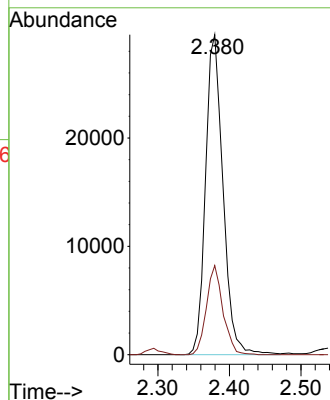
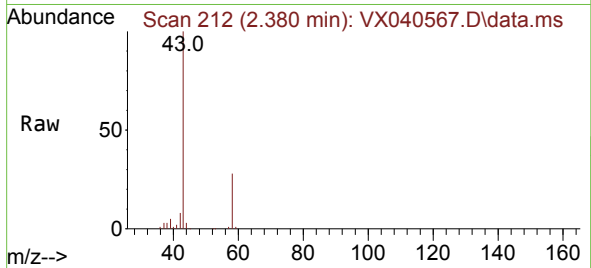




#16
Acetone
Concen: 124.551 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

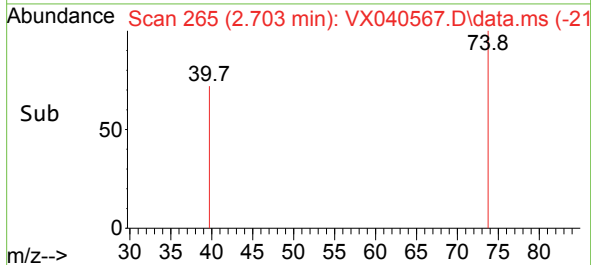
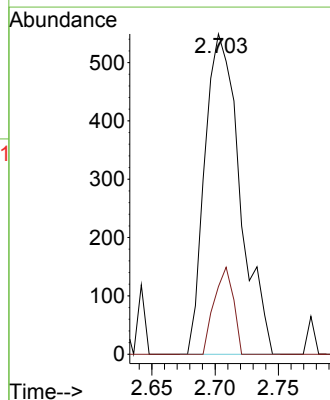
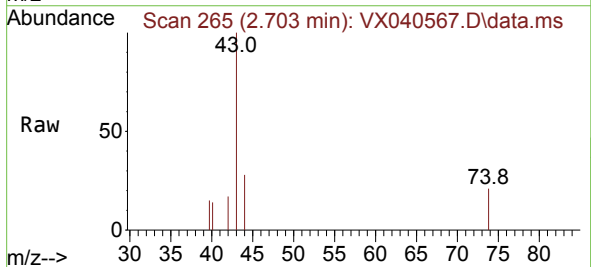
Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

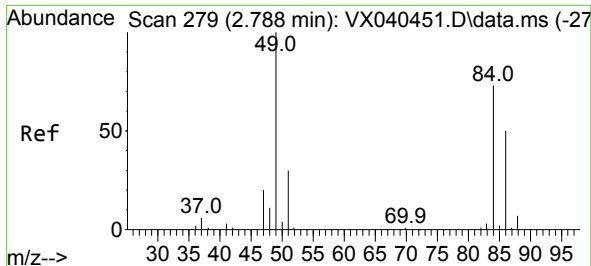
Tgt Ion: 43 Resp: 50010
Ion Ratio Lower Upper
43 100
58 27.9 21.9 32.9



#18
Methyl Acetate
Concen: 0.858 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
74 14.8 17.8 26.8#

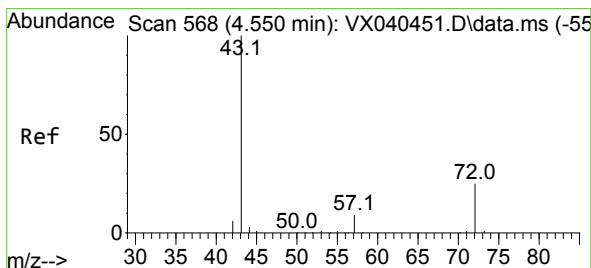
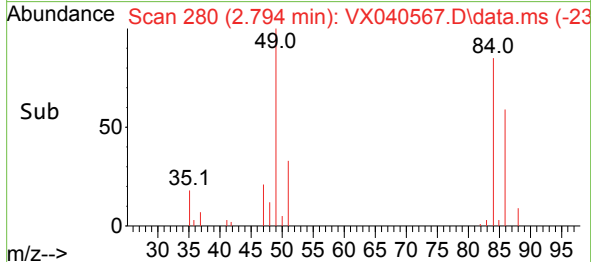
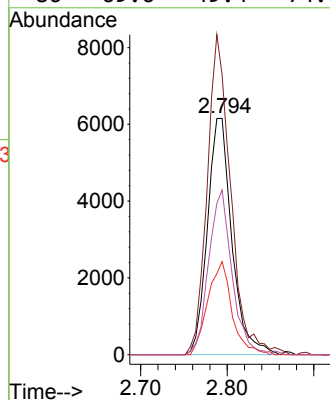
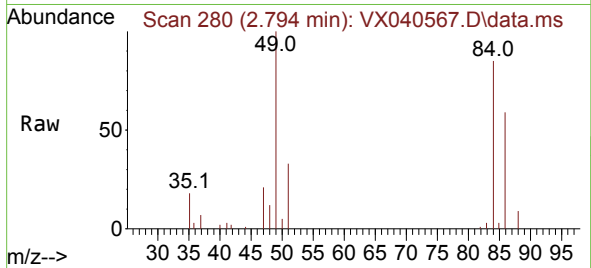




#20
Methylene Chloride
Concen: 12.579 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

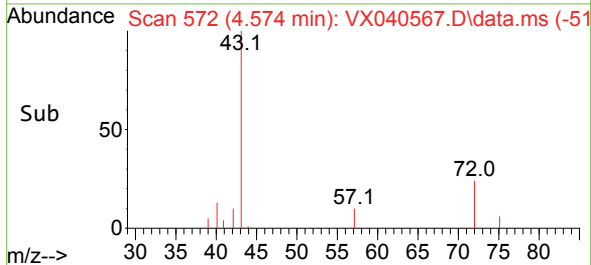
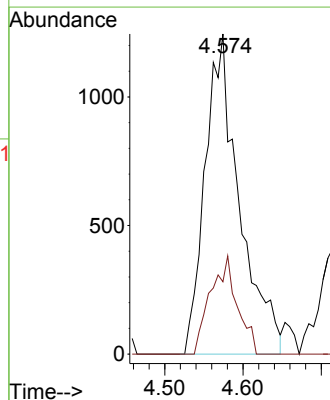
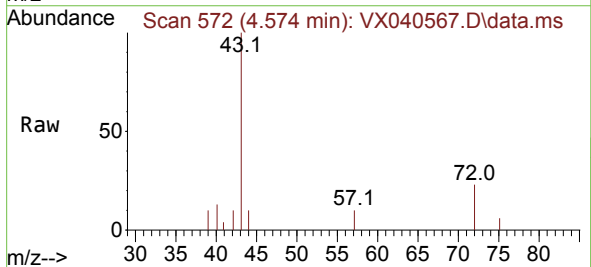
Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

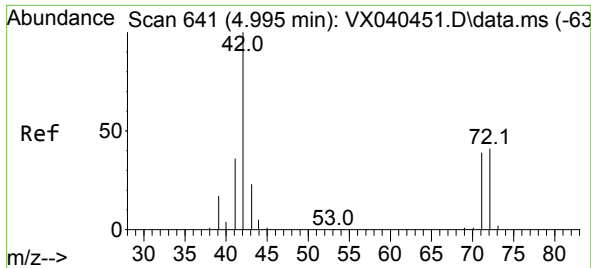
Tgt Ion: 84	Resp: 12087		
Ion	Ratio	Lower	Upper
84	100		
49	118.3	103.6	155.4
51	39.4	33.8	50.6
86	69.6	49.4	74.0



#25
2-Butanone
Concen: 5.400 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion: 43	Resp: 3778		
Ion Ratio	Lower	Upper	
43 100			
72 22.6	19.4	29.2	





#29

Tetrahydrofuran

Concen: 1.926 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

Instrument :

MSVOA_X

ClientSampleId :

RBR-2520556

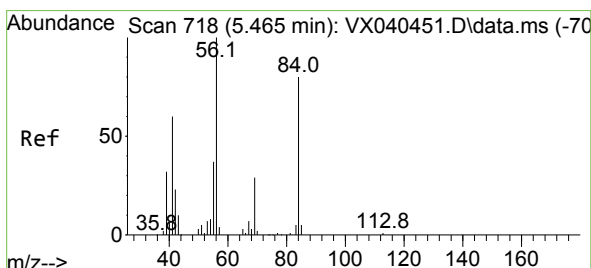
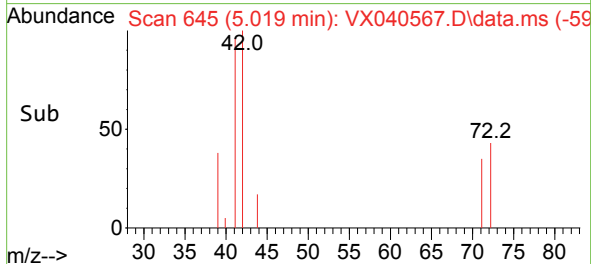
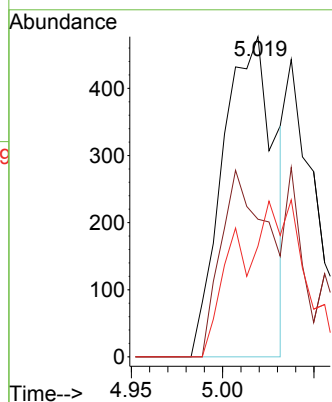
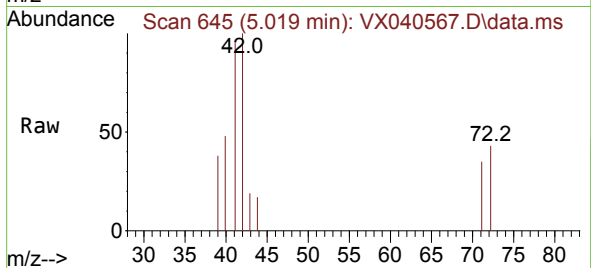
Tgt Ion: 42 Resp: 940

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 19.7 32.2 48.2#



#31

Cyclohexane

Concen: 1.472 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.097 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

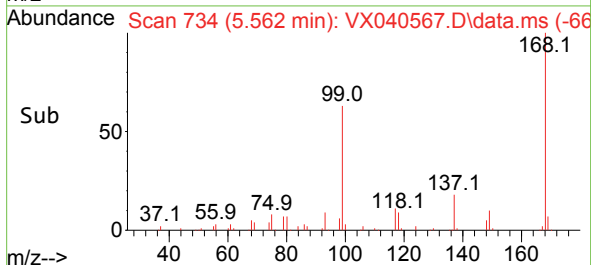
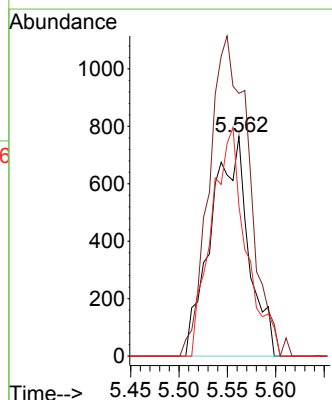
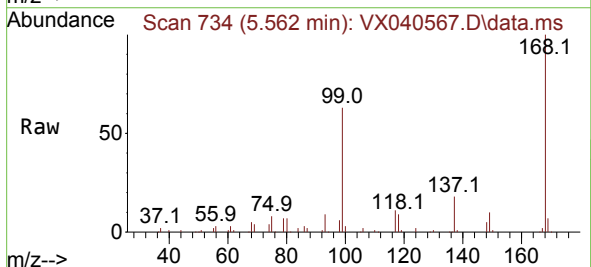
Tgt Ion: 56 Resp: 2053

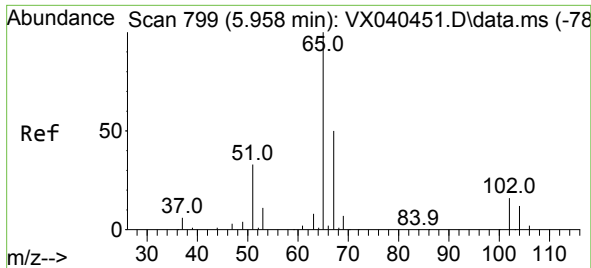
Ion Ratio Lower Upper

56 100

69 119.6 23.4 35.2#

84 68.5 65.9 98.9

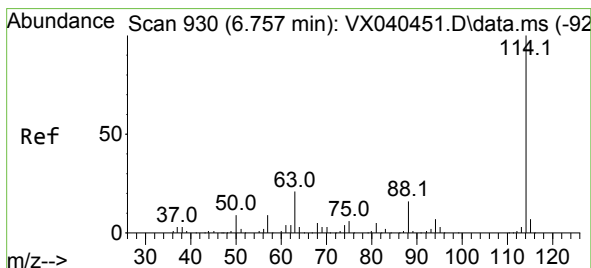
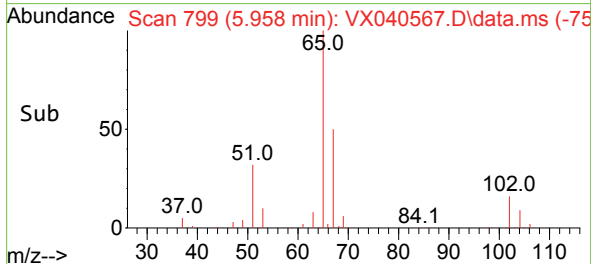
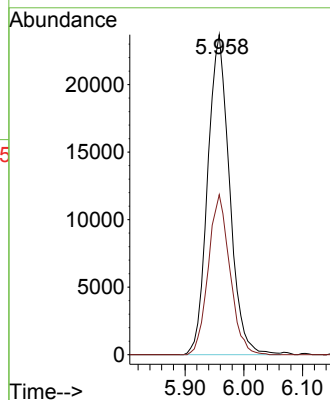
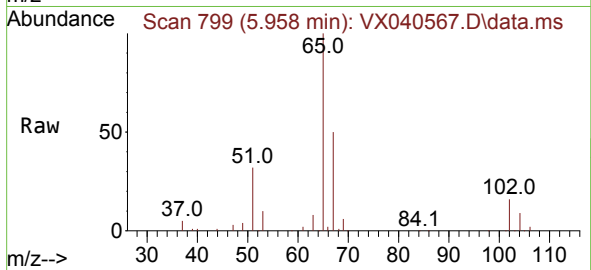




#33
 1,2-Dichloroethane-d4
 Concen: 49.640 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX040567.D
 Acq: 04 Mar 2024 14:34

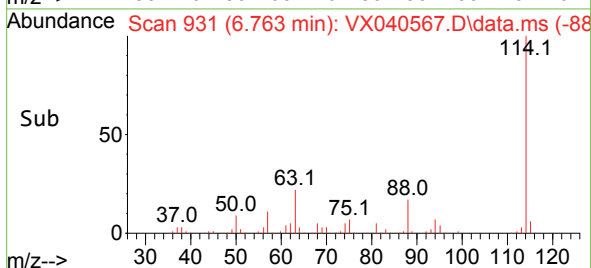
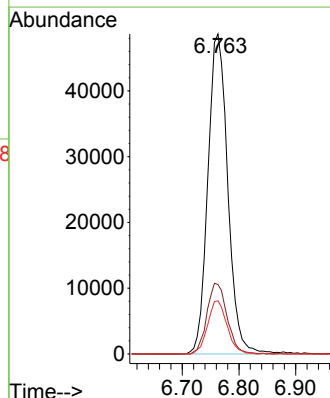
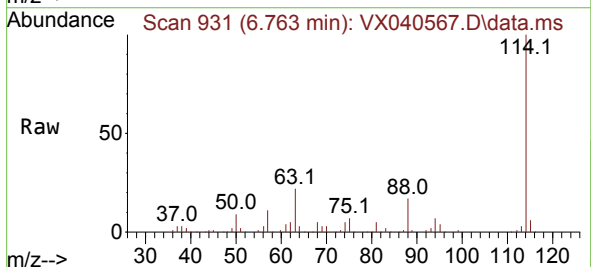
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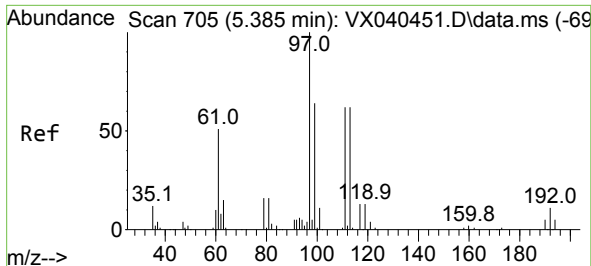
Tgt Ion: 65 Resp: 61118
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX040567.D
 Acq: 04 Mar 2024 14:34

Tgt Ion: 114 Resp: 118559
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.0
 88 16.6 0.0 36.6

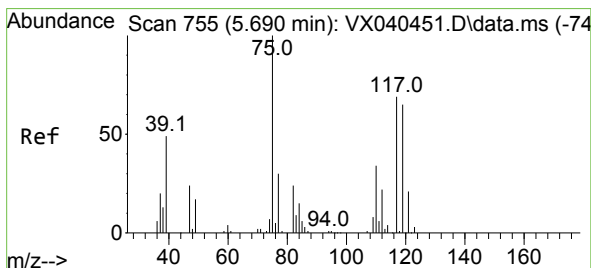
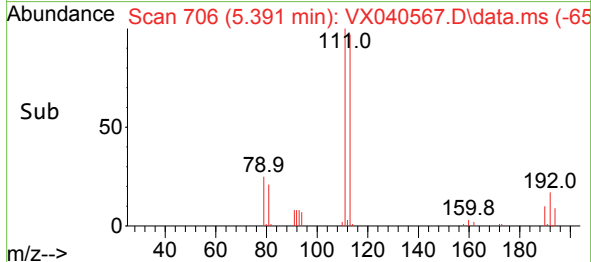
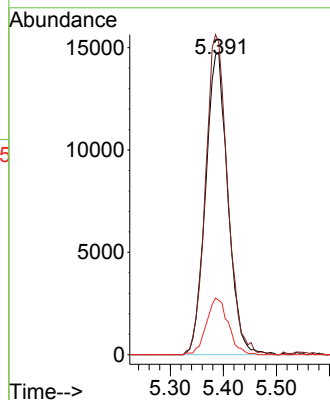
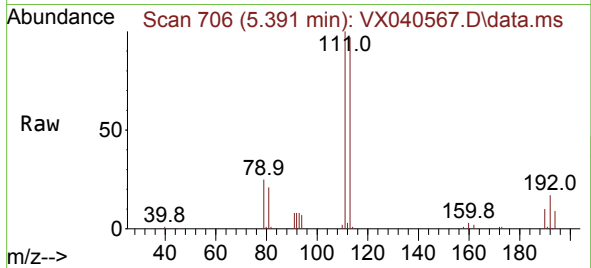




#35
Dibromofluoromethane
Concen: 52.344 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

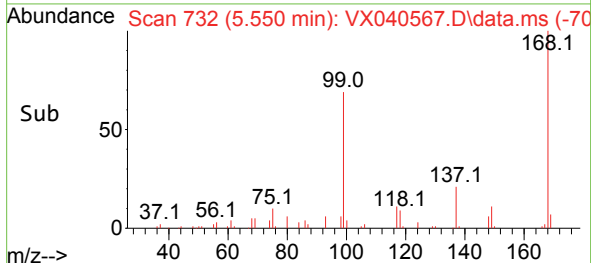
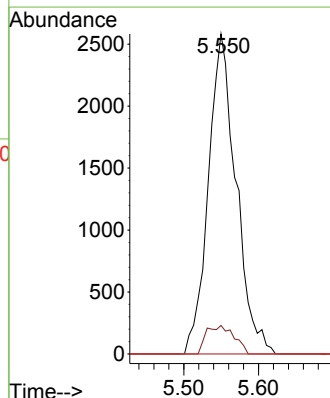
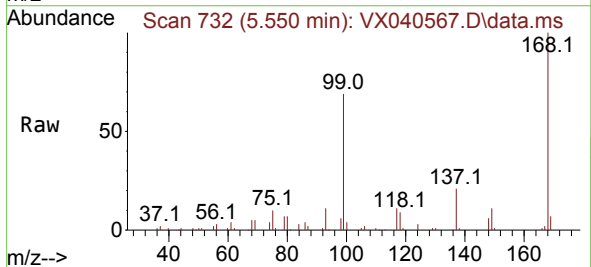
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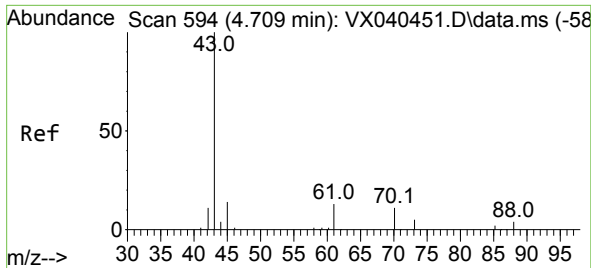
Tgt Ion:113 Resp: 43155
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.232 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion: 75 Resp: 6646
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.350 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.018 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

Instrument :

MSVOA_X

ClientSampleId :

RBR-2520556

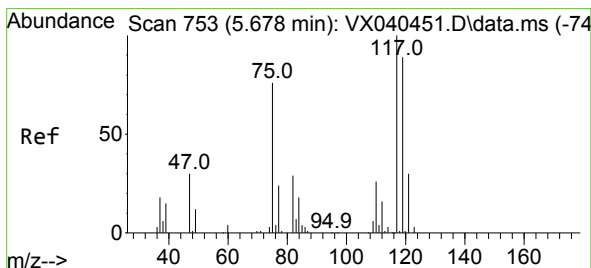
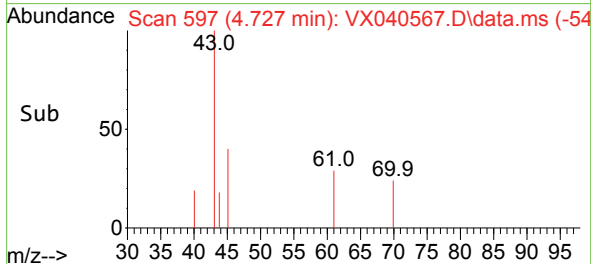
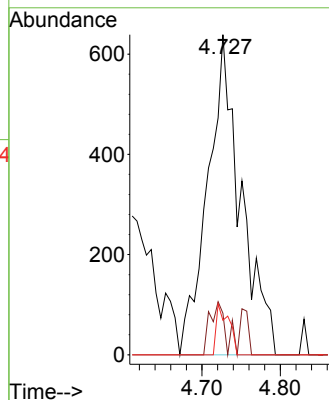
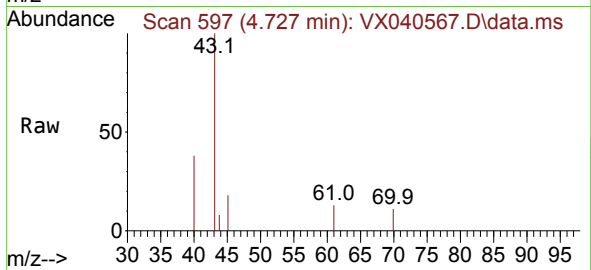
Tgt Ion: 43 Resp: 1876

Ion Ratio Lower Upper

43 100

61 6.7 10.6 16.0#

70 5.9 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.519 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

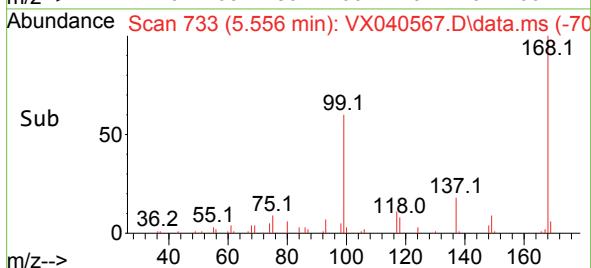
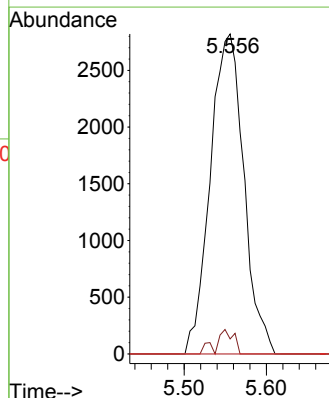
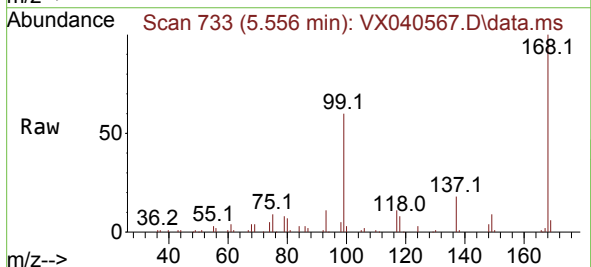
Tgt Ion: 117 Resp: 8000

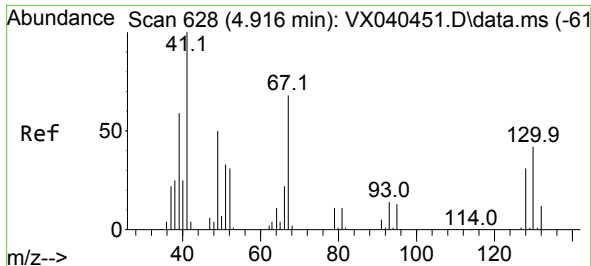
Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.2#

121 0.0 24.4 36.6#

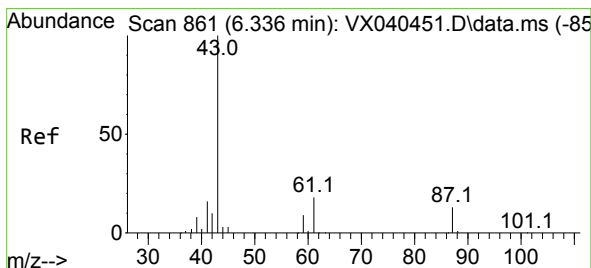
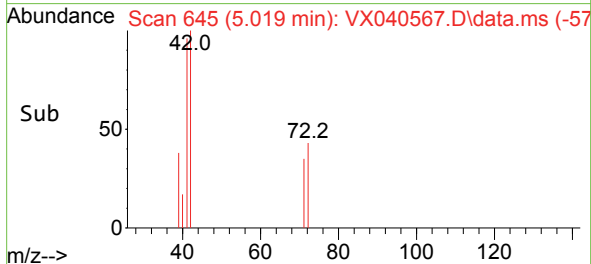
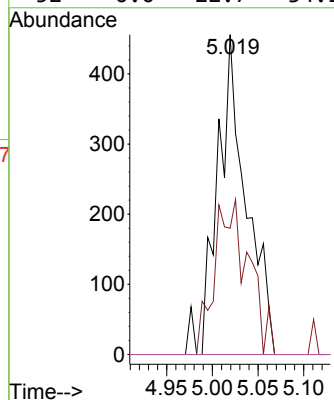
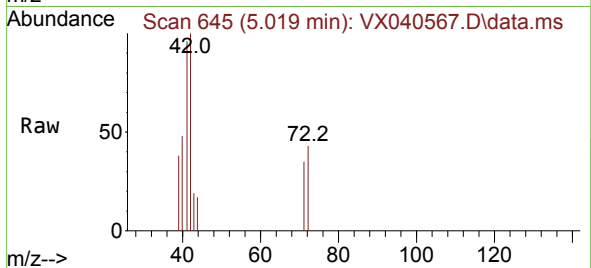




#41
Methacrylonitrile
Concen: 1.289 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.103 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

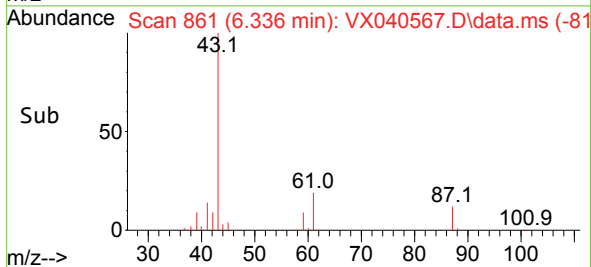
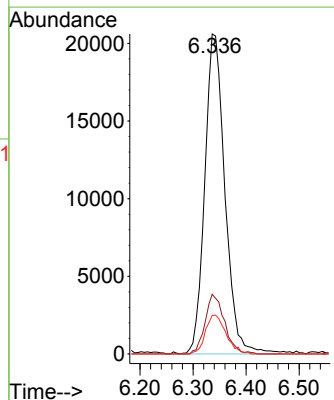
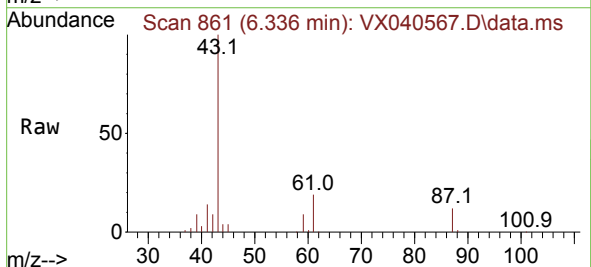
Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

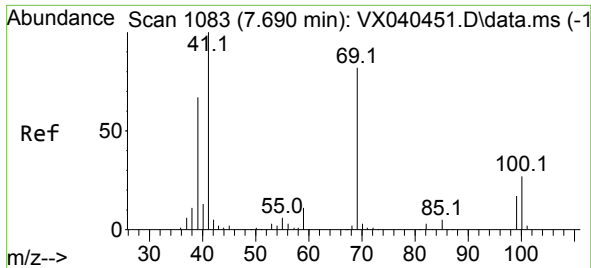
Tgt Ion: 41 Resp: 1001
Ion Ratio Lower Upper
41 100
39 57.4 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 24.989 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion: 43 Resp: 54507
Ion Ratio Lower Upper
43 100
61 17.9 15.2 22.8
87 12.4 9.8 14.6

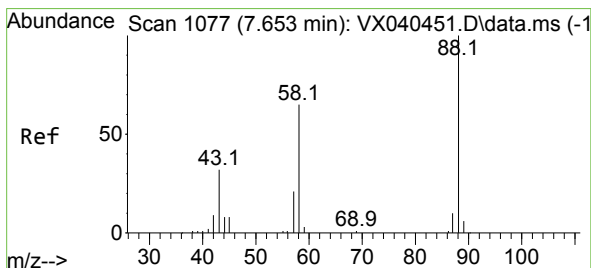
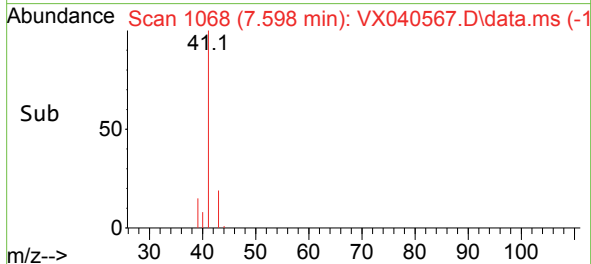
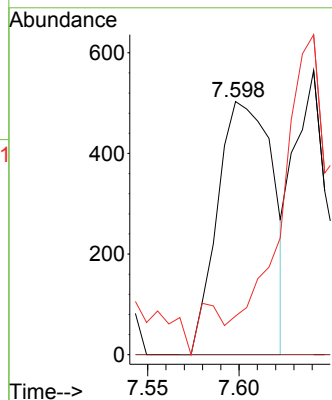
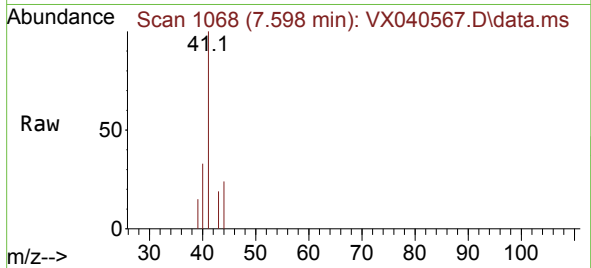




#48
Methyl methacrylate
Concen: 0.971 ug/l
RT: 7.598 min Scan# 1059
Delta R.T. -0.092 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

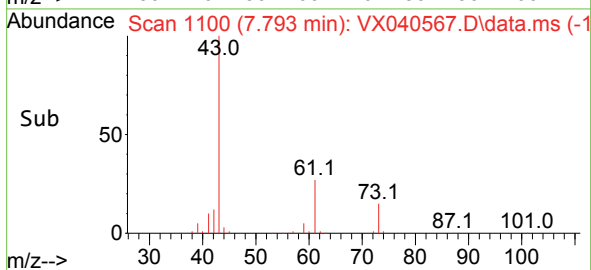
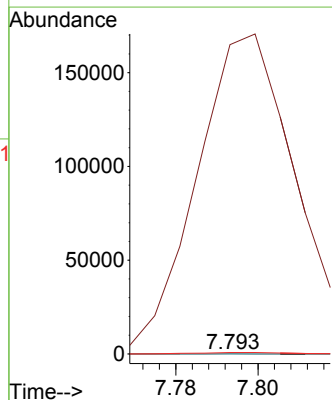
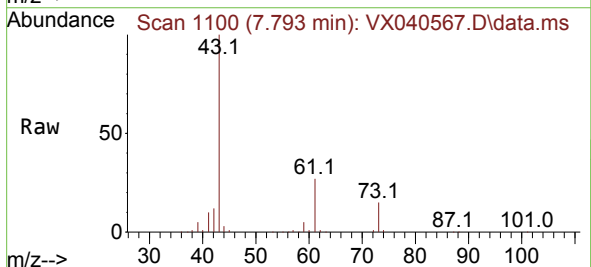
Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

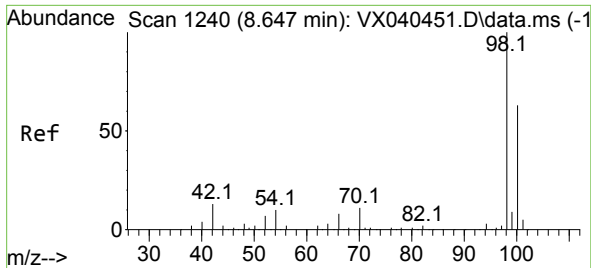
Tgt Ion: 41 Resp: 1059
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.970 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.140 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 1470730.0 0.0 0.0#
58 6875.0 60.1 90.1#

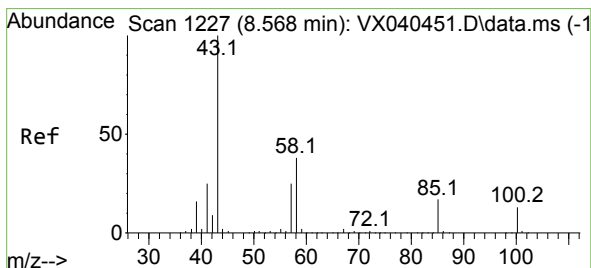
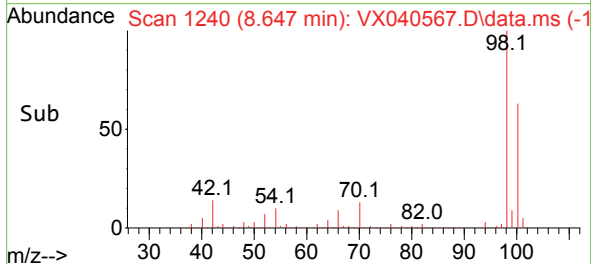
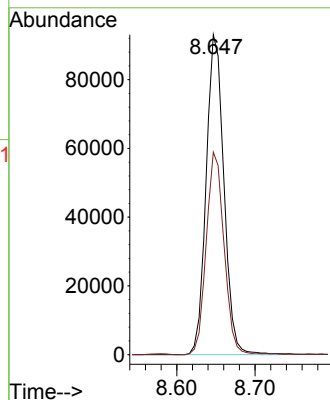
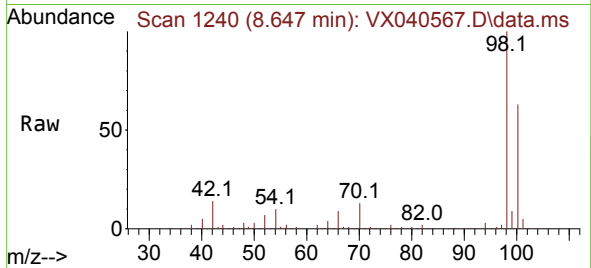




#50
Toluene-d8
Concen: 48.830 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

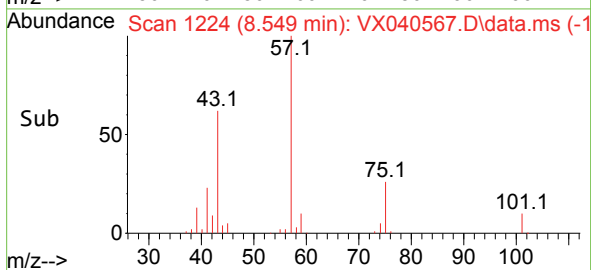
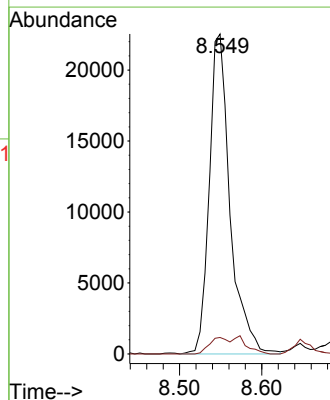
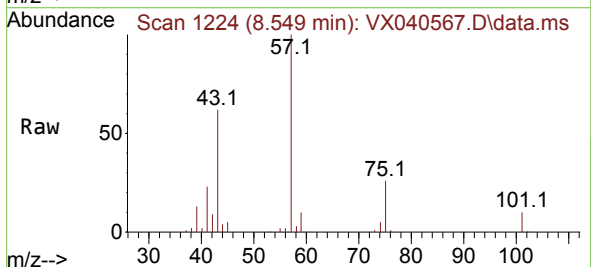
Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

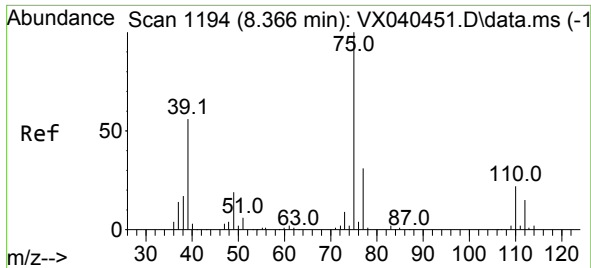
Tgt Ion: 98 Resp: 146130
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.476 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion: 43 Resp: 39626
Ion Ratio Lower Upper
43 100
58 4.9 30.4 45.6#

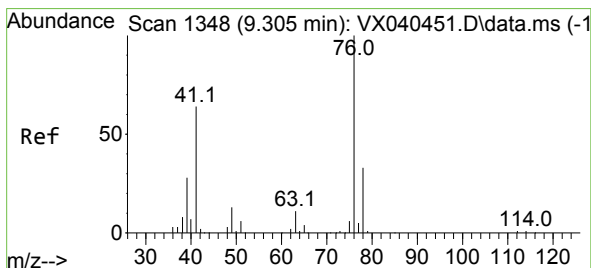
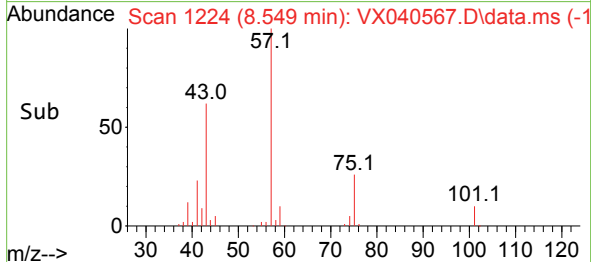
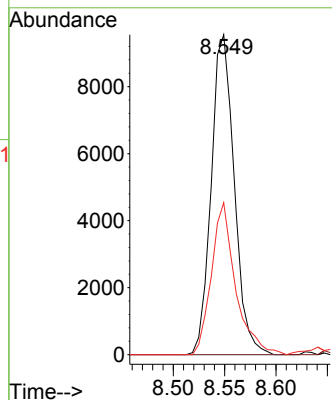
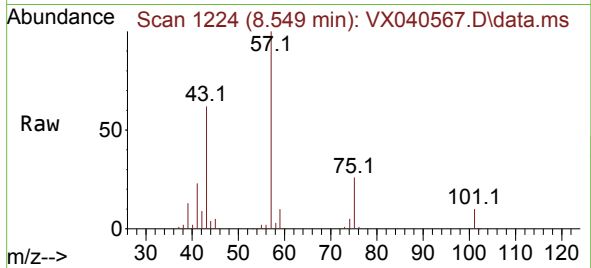




#54
 cis-1,3-Dichloropropene
 Concen: 10.214 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040567.D
 Acq: 04 Mar 2024 14:34

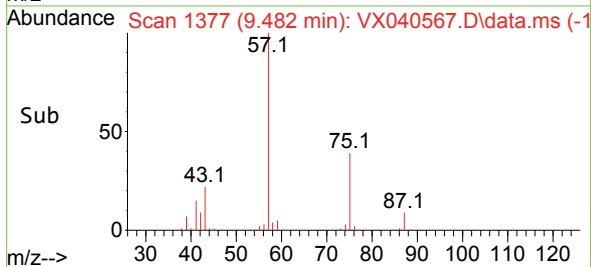
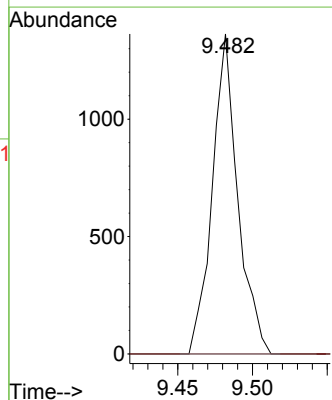
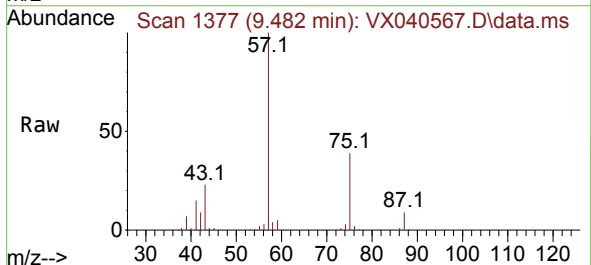
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-2520556

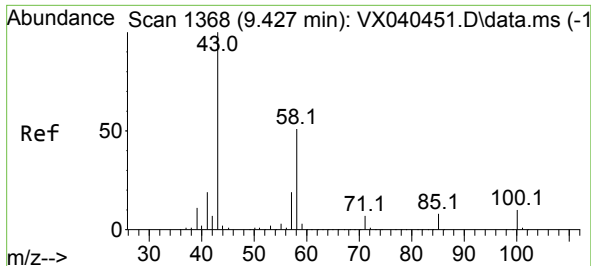
Tgt Ion: 75 Resp: 14845
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 47.5 46.7 70.1



#57
 1,3-Dichloropropane
 Concen: 1.058 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX040567.D
 Acq: 04 Mar 2024 14:34

Tgt Ion: 76 Resp: 1614
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 20.714 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

Instrument :

MSVOA_X

ClientSampleId :

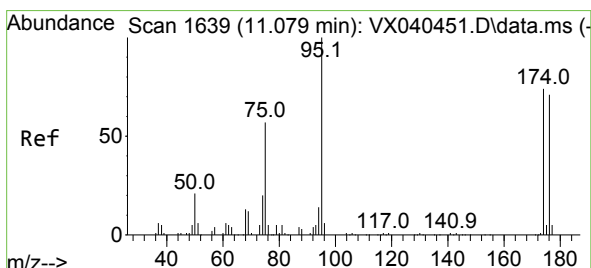
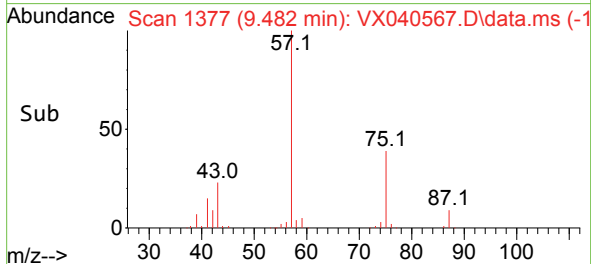
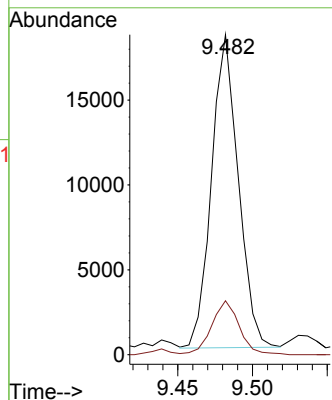
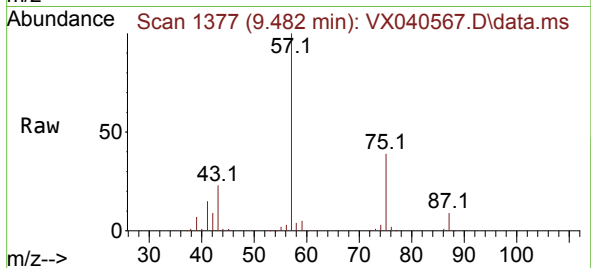
RBR-2520556

Tgt Ion: 43 Resp: 22968

Ion Ratio Lower Upper

43 100

58 17.8 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 53.758 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

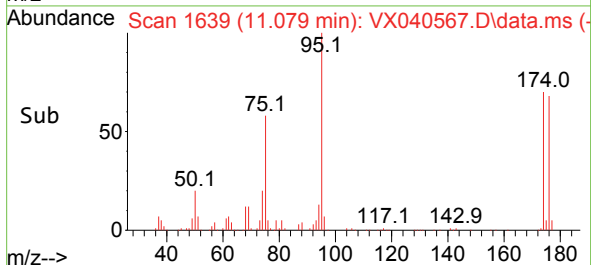
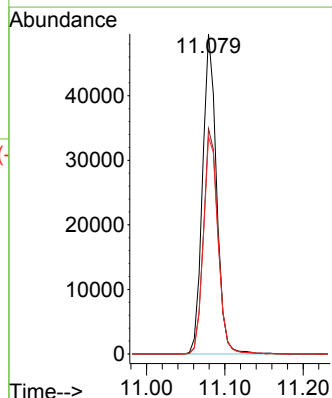
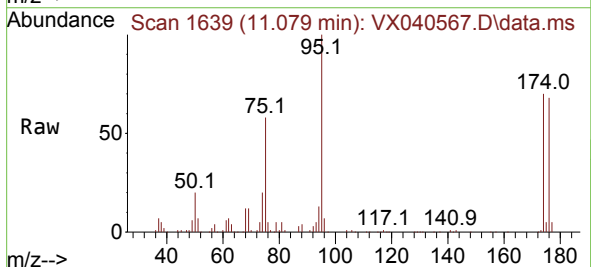
Tgt Ion: 95 Resp: 61326

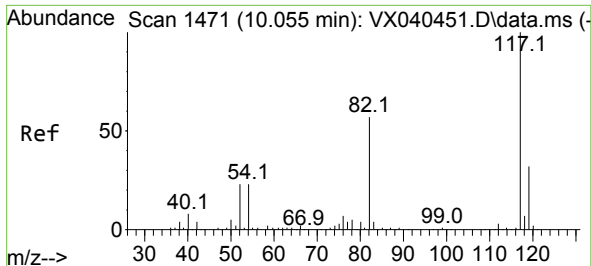
Ion Ratio Lower Upper

95 100

174 73.2 0.0 135.6

176 71.1 0.0 131.0

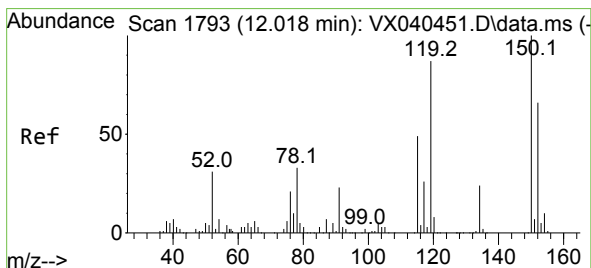
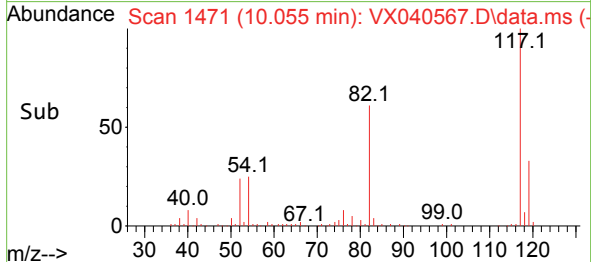
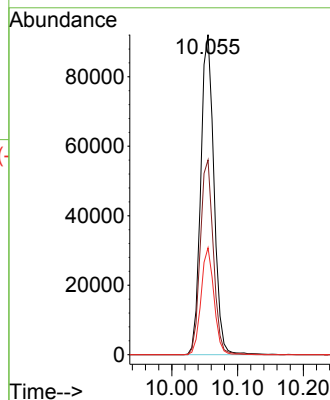
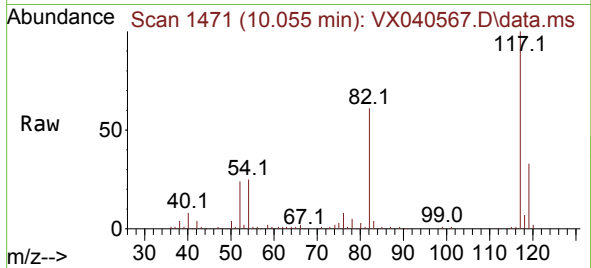




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

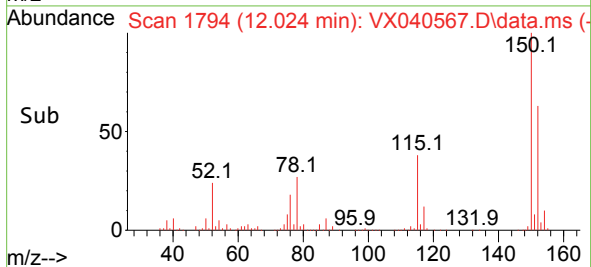
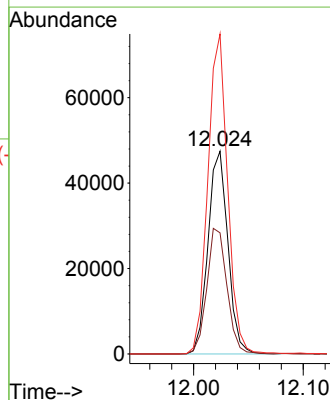
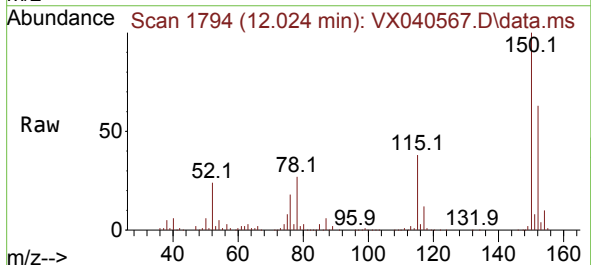
Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

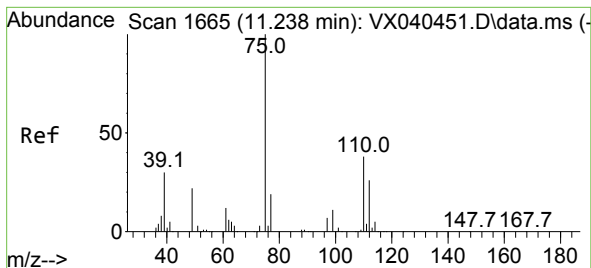
Tgt Ion:117 Resp: 128656
Ion Ratio Lower Upper
117 100
82 60.8 46.2 69.4
119 33.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion:152 Resp: 59941
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 156.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.057 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

Instrument :

MSVOA_X

ClientSampleId :

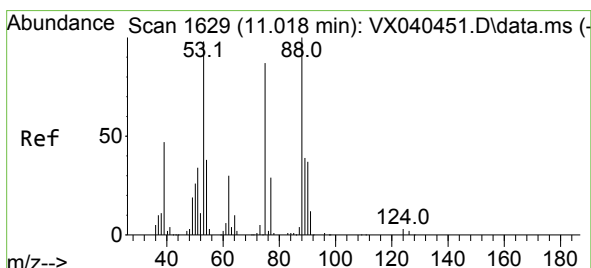
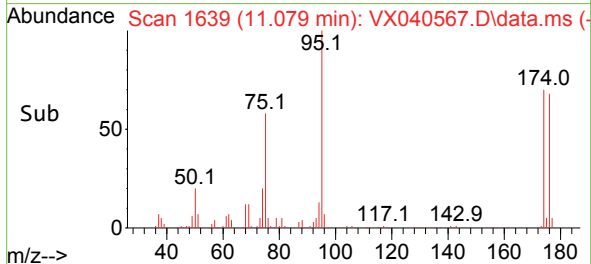
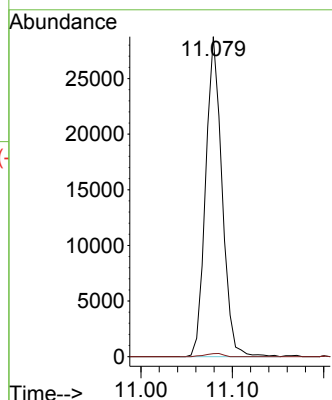
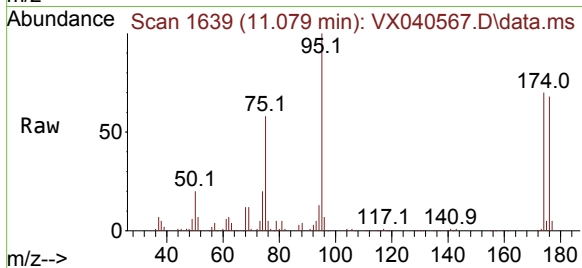
RBR-2520556

Tgt Ion: 75 Resp: 35693

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.499 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040567.D

Acq: 04 Mar 2024 14:34

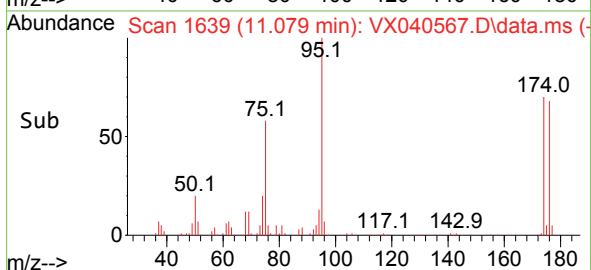
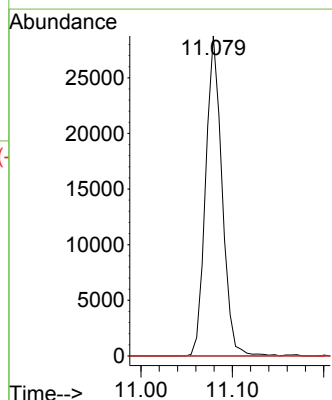
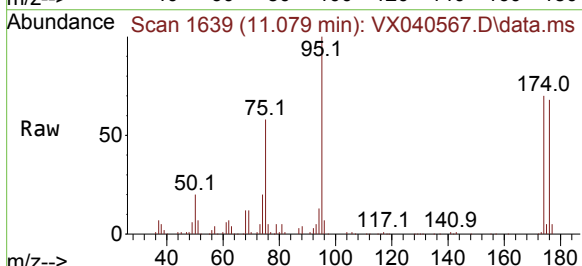
Tgt Ion: 75 Resp: 35693

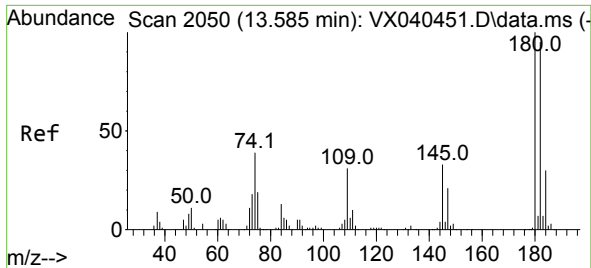
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

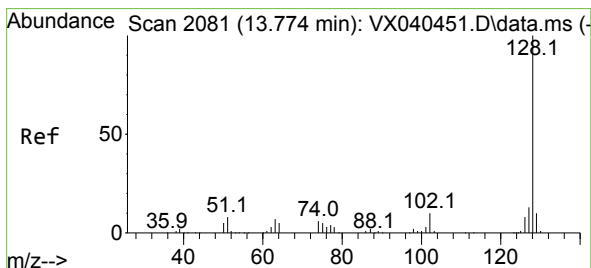
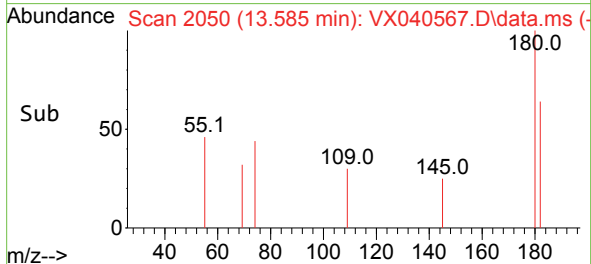
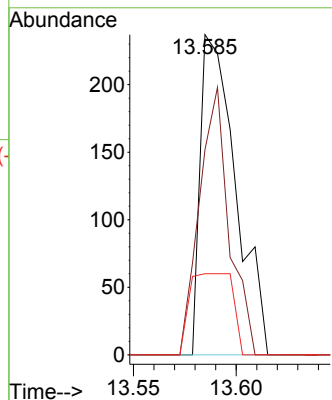
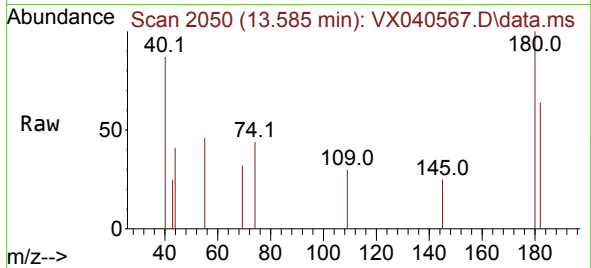




#93
1,2,4-Trichlorobenzene
Concen: 0.219 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Instrument :
MSVOA_X
ClientSampleId :
RBR-2520556

Tgt Ion:180 Resp: 284
Ion Ratio Lower Upper
180 100
182 70.1 48.3 144.8
145 30.6 18.0 54.0



#95
Naphthalene
Concen: 1.281 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040567.D
Acq: 04 Mar 2024 14:34

Tgt Ion:128 Resp: 5295
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 9.5 8.8 13.2

