

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110122\
 Data File : VX032507.D
 Acq On : 01 Nov 2022 12:52
 Operator : JC/MD
 Sample : N5391-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31845

Quant Time: Nov 02 05:28:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

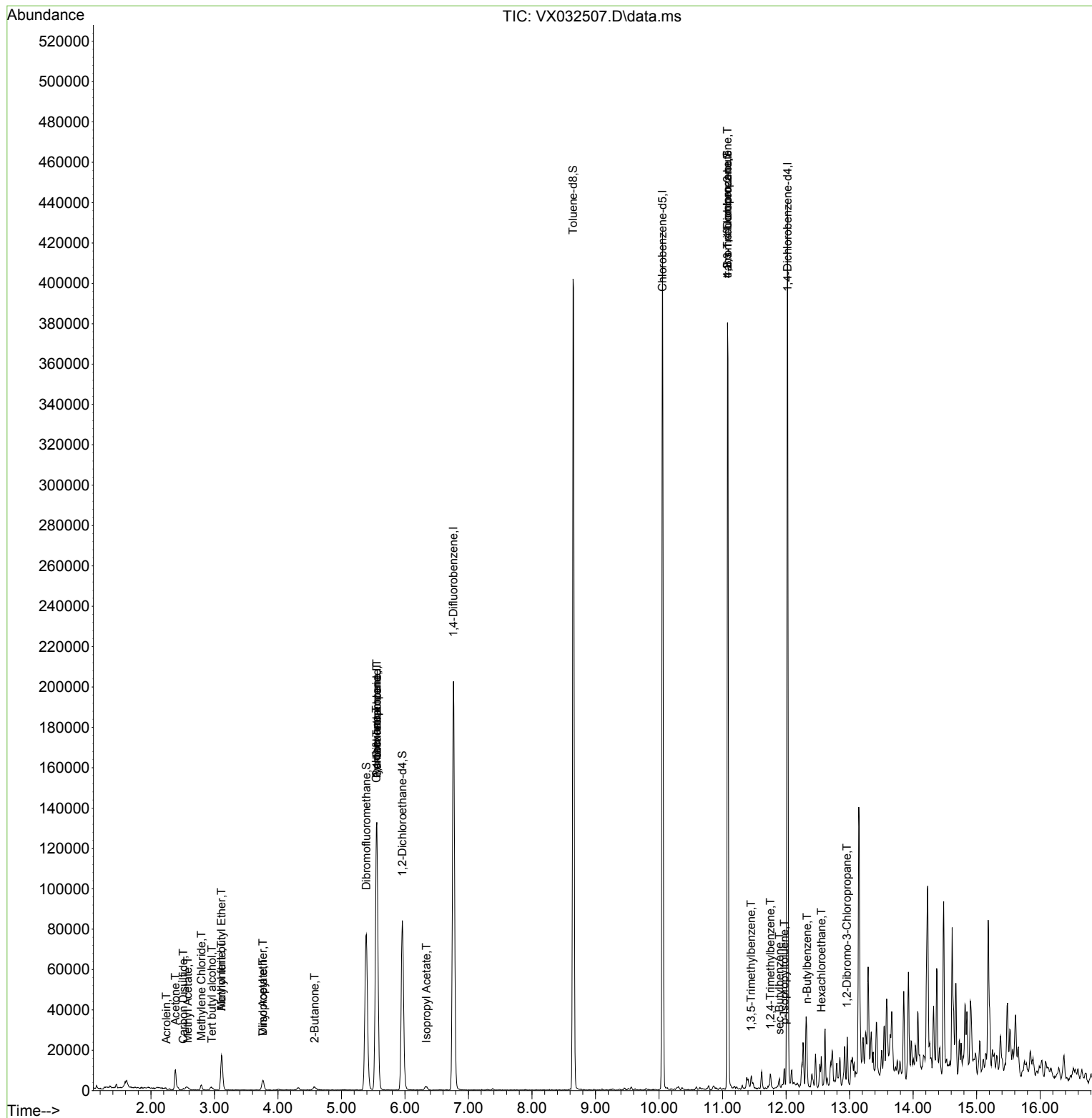
Internal Standards						
1) Pentafluorobenzene	5.556	168	124889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83309	48.008	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.020%
35) Dibromofluoromethane	5.391	113	66414	45.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.340%
50) Toluene-d8	8.647	98	241803	47.819	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.640%
62) 4-Bromofluorobenzene	11.079	95	96112	48.658	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1662	6.580	ug/l #	72
13) Acrolein	2.239	56	94	0.373	ug/l #	14
15) Acrylonitrile	3.111	53	324	0.473	ug/l #	36
16) Acetone	2.386	43	10836	17.181	ug/l	99
17) Carbon Disulfide	2.507	76	724	0.243	ug/l #	88
18) Methyl Acetate	2.581	43	944	0.460	ug/l #	51
19) Methyl tert-butyl Ether	3.111	73	18566	4.218	ug/l	99
20) Methylene Chloride	2.794	84	1153	0.797	ug/l #	86
22) Diisopropyl ether	3.763	45	4990	1.155	ug/l #	83
23) Vinyl Acetate	3.763	43	2831	0.811	ug/l #	72
25) 2-Butanone	4.574	43	512	0.524	ug/l #	85
31) Cyclohexane	5.550	56	2855	1.357	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	9603	4.742	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12933	5.758	ug/l #	15
43) Isopropyl Acetate	6.336	43	900	0.278	ug/l #	31
76) 1,2,3-Trichloropropane	11.079	75	52406	26.531	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	2749	0.457	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	52406	84.422	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	3121	0.522	ug/l	91
85) sec-Butylbenzene	11.896	105	2545	0.352	ug/l	88
86) p-Isopropyltoluene	11.975	119	3701	0.604	ug/l	95
89) n-Butylbenzene	12.329	91	5007	0.939	ug/l #	27
90) Hexachloroethane	12.554	117	696	0.695	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.957	75	117	0.236	ug/l #	1

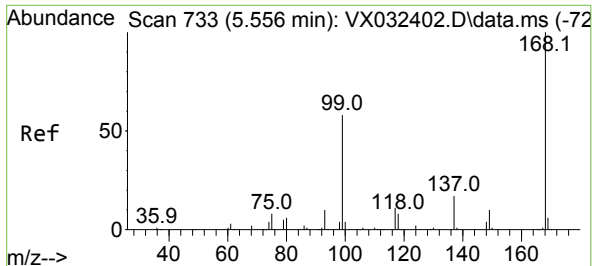
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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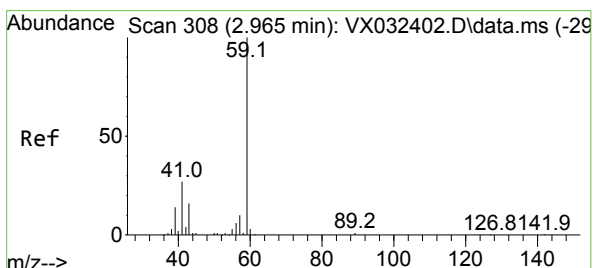
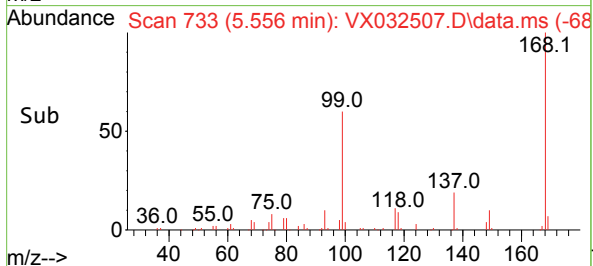
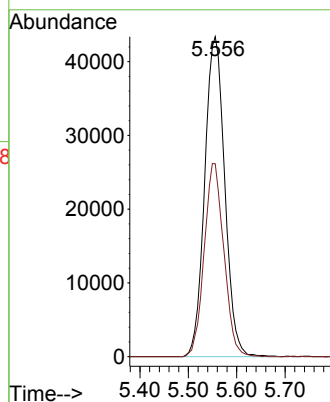
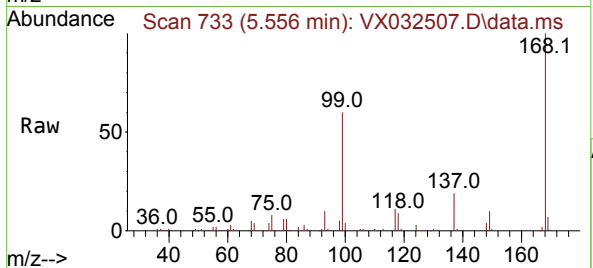




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

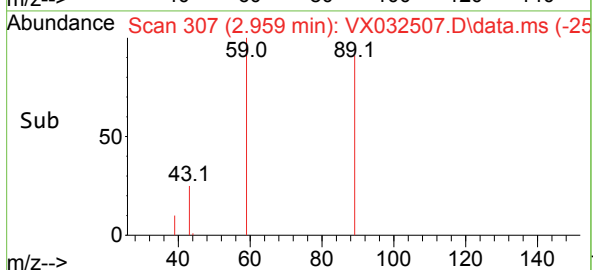
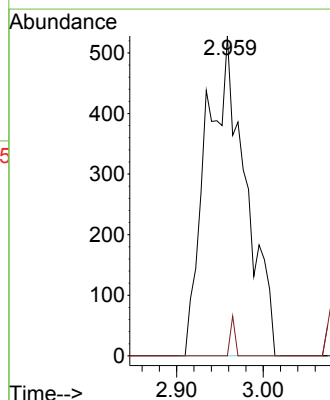
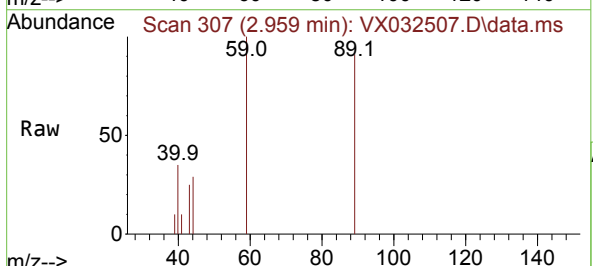
Instrument :
MSVOA_X
ClientSampleId :
31845

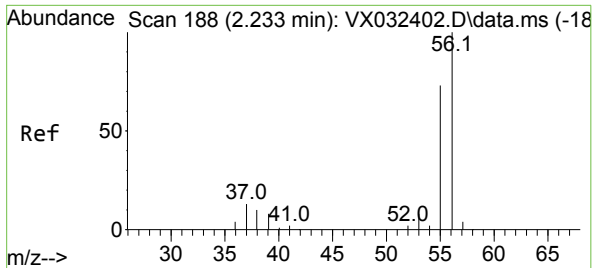
Tgt Ion:168 Resp: 124889
Ion Ratio Lower Upper
168 100
99 60.3 46.1 69.1



#11
Tert butyl alcohol
Concen: 6.580 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 59 Resp: 1662
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.373 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX032507.D

Acq: 01 Nov 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

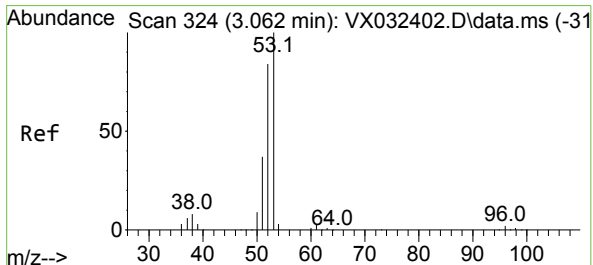
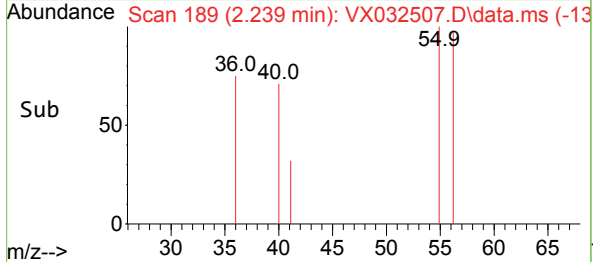
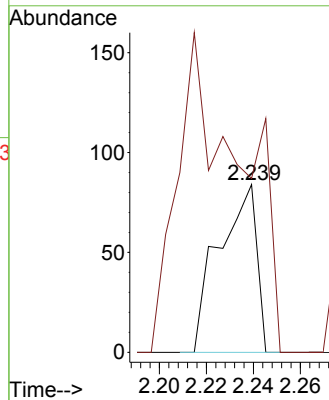
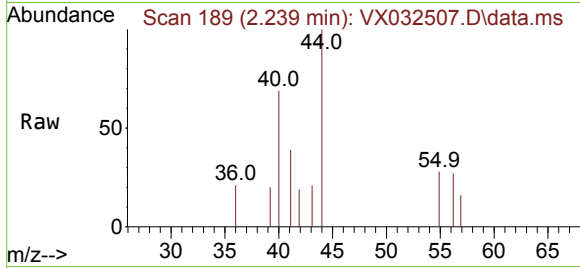
31845

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#15

Acrylonitrile

Concen: 0.473 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.049 min

Lab File: VX032507.D

Acq: 01 Nov 2022 12:52

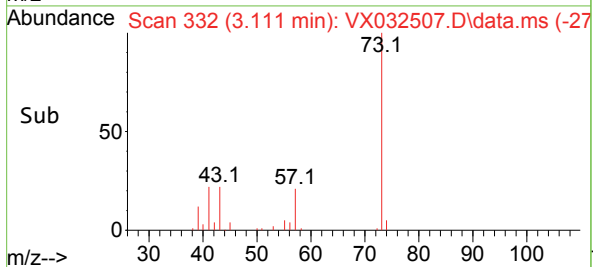
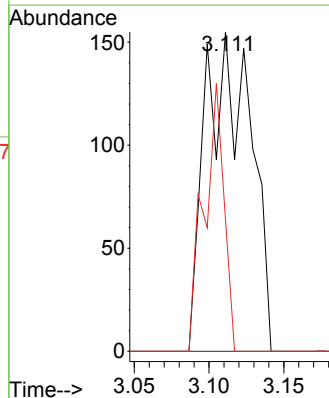
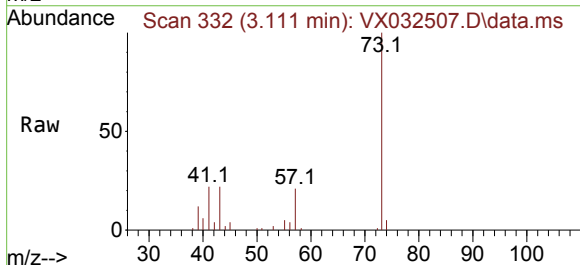
Tgt Ion: 53 Resp: 324

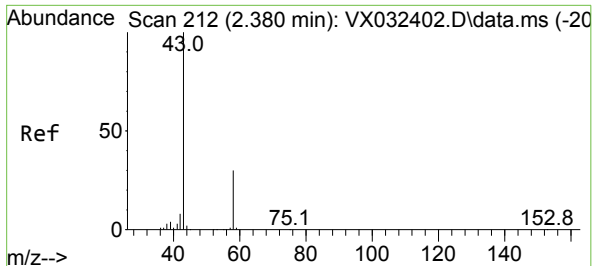
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 37.3 30.3 45.5

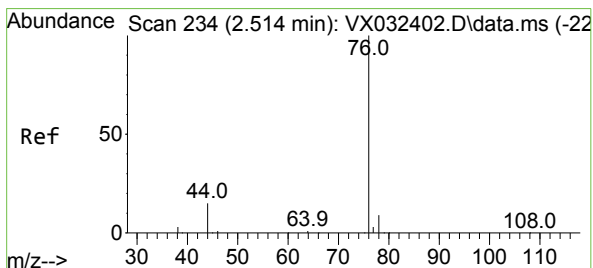
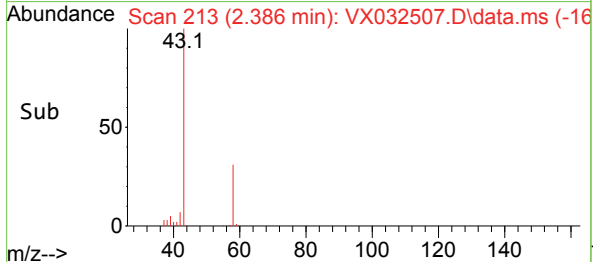
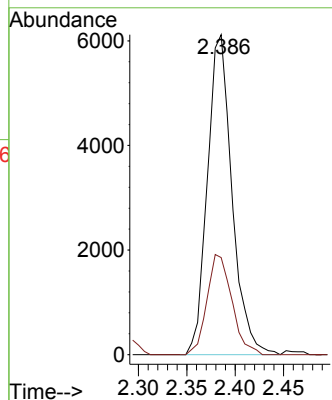
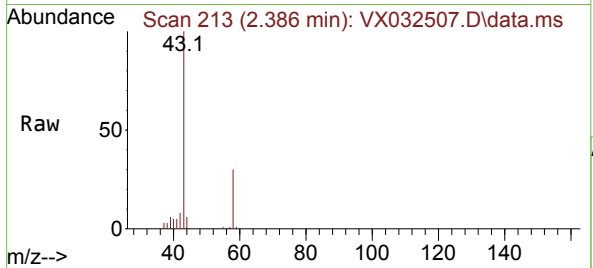




#16
Acetone
Concen: 17.181 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

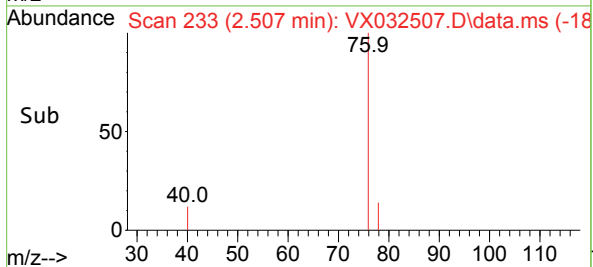
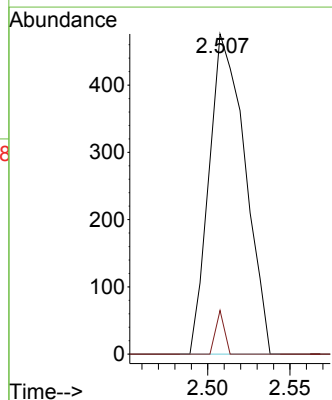
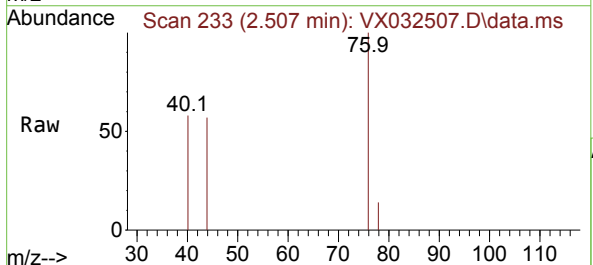
Instrument :
MSVOA_X
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31845

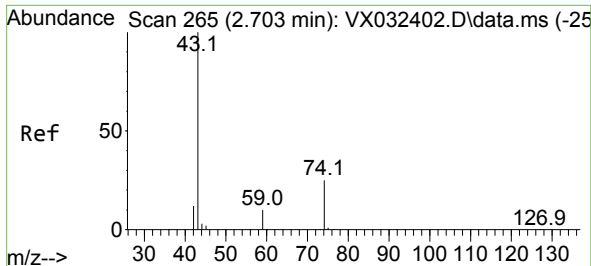
Tgt Ion: 43 Resp: 10836
Ion Ratio Lower Upper
43 100
58 30.3 23.8 35.8



#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 76 Resp: 724
Ion Ratio Lower Upper
76 100
78 13.7 7.5 11.3#

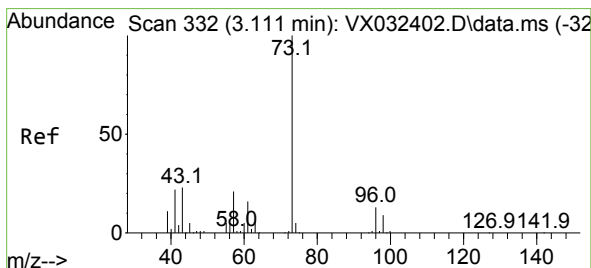
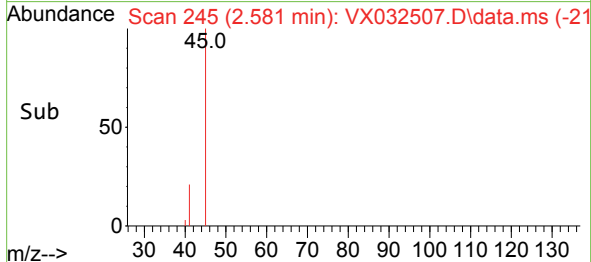
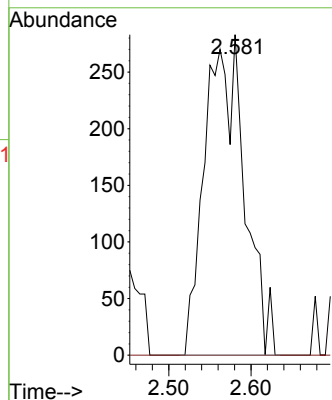
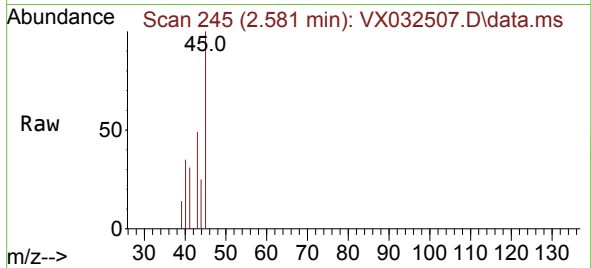




#18
Methyl Acetate
Concen: 0.460 ug/l
RT: 2.581 min Scan# 245
Delta R.T. -0.122 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

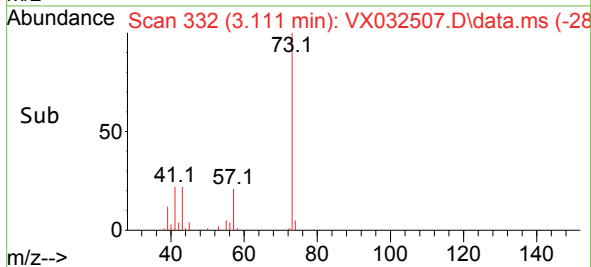
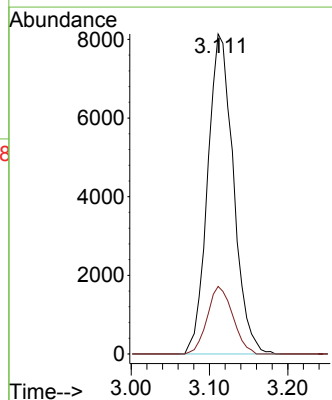
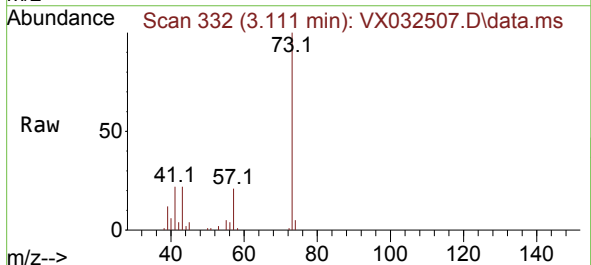
Instrument :
MSVOA_X
ClientSampleId :
31845

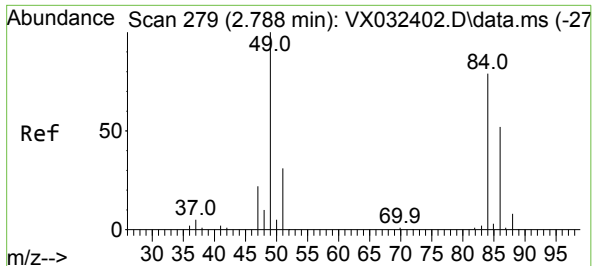
Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#



#19
Methyl tert-butyl Ether
Concen: 4.218 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 73 Resp: 18566
Ion Ratio Lower Upper
73 100
57 21.1 16.6 25.0



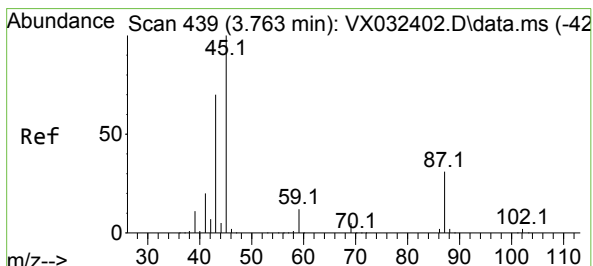
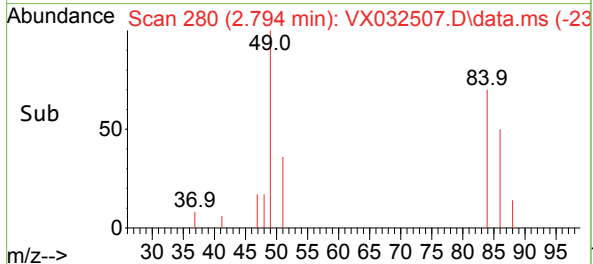
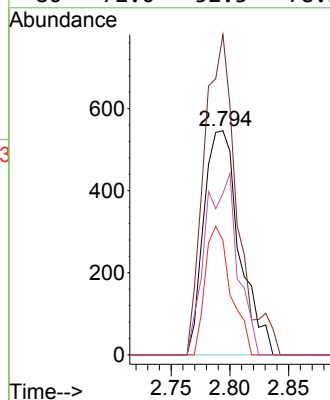
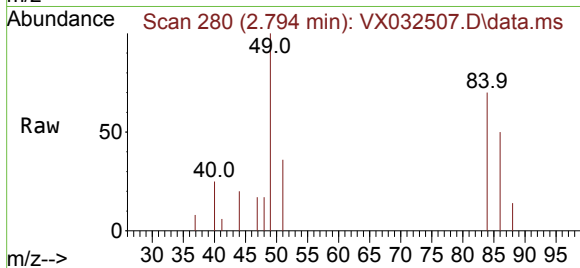


#20
Methylene Chloride
Concen: 0.797 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Instrument :
MSVOA_X
ClientSampleId :
31845

Tgt Ion: 84 Resp: 1153

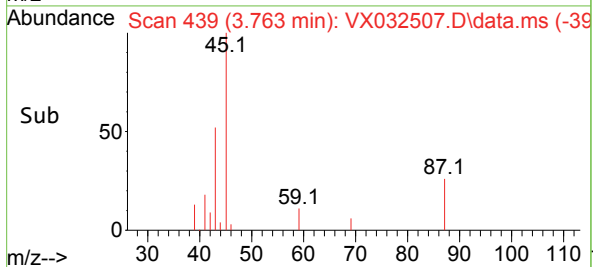
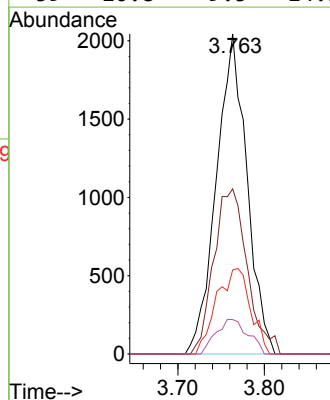
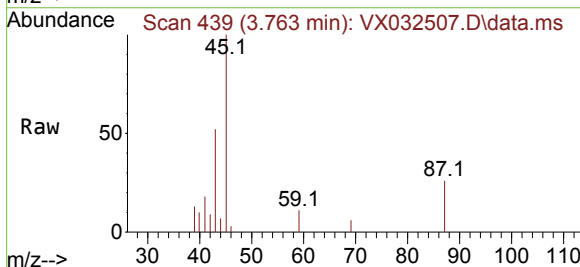
Ion	Ratio	Lower	Upper
84	100		
49	142.9	101.0	151.6
51	51.1	31.1	46.7#
86	72.0	52.3	78.5

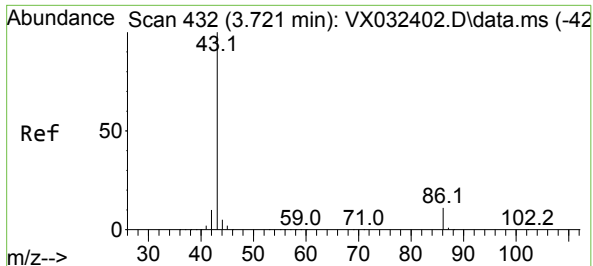


#22
Diisopropyl ether
Concen: 1.155 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 45 Resp: 4990

Ion	Ratio	Lower	Upper
45	100		
43	51.6	56.4	84.6#
87	26.3	24.4	36.6
59	10.8	9.5	14.3

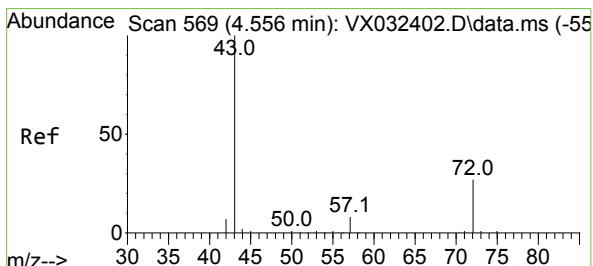
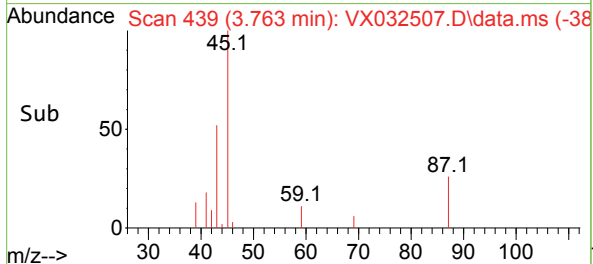
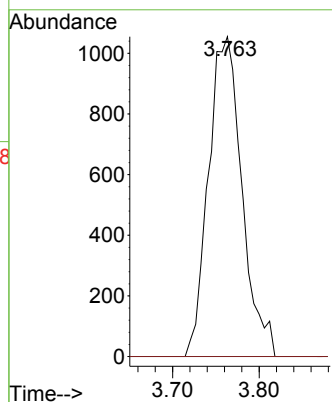
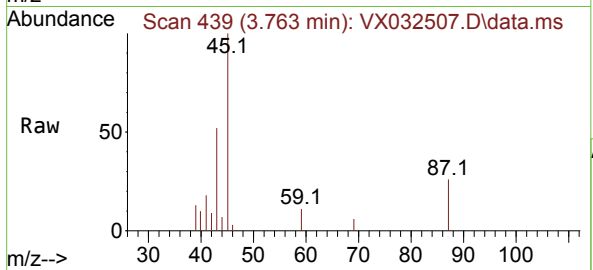




#23
 Vinyl Acetate
 Concen: 0.811 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.043 min
 Lab File: VX032507.D
 Acq: 01 Nov 2022 12:52

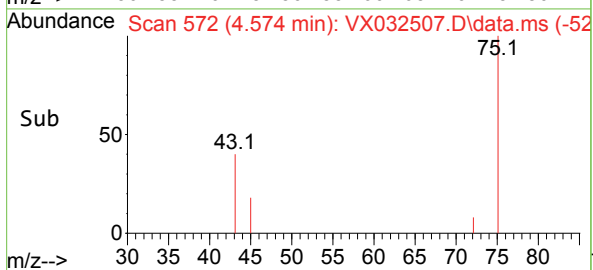
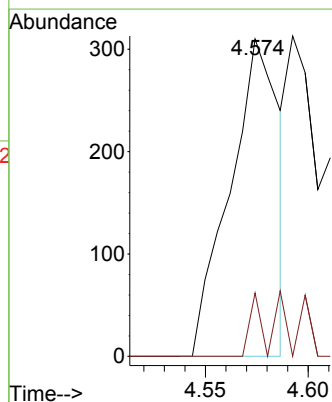
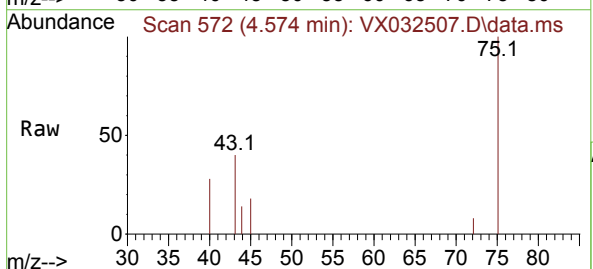
Instrument :
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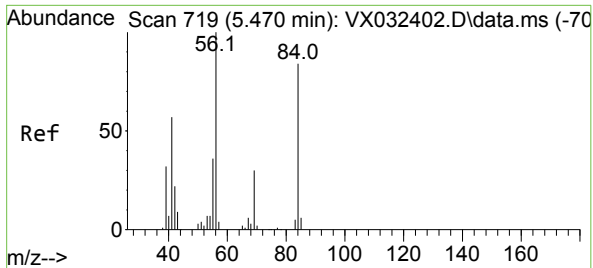
Tgt Ion: 43 Resp: 2831
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 0.524 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: VX032507.D
 Acq: 01 Nov 2022 12:52

Tgt Ion: 43 Resp: 512
 Ion Ratio Lower Upper
 43 100
 72 20.0 22.2 33.2#

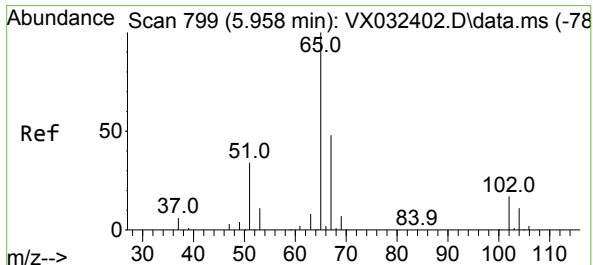
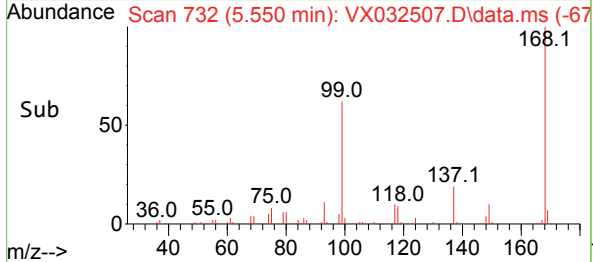
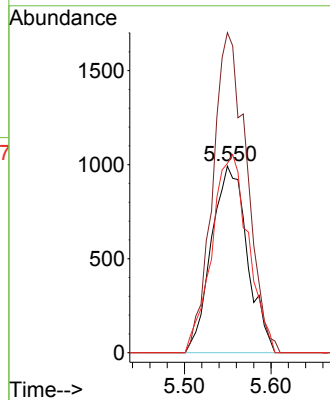
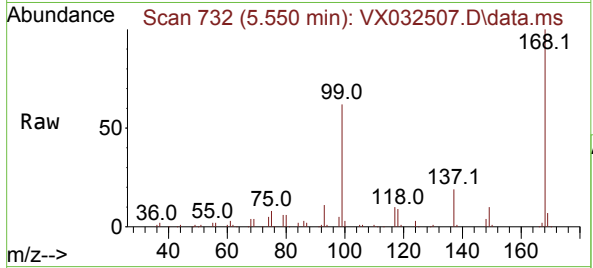




#31
Cyclohexane
Concen: 1.357 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

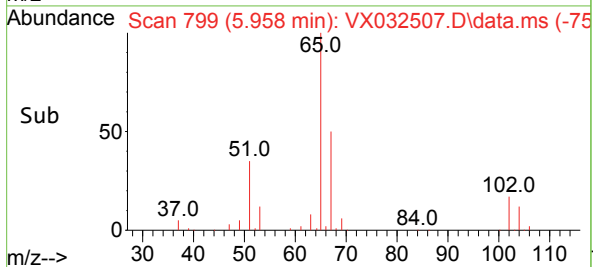
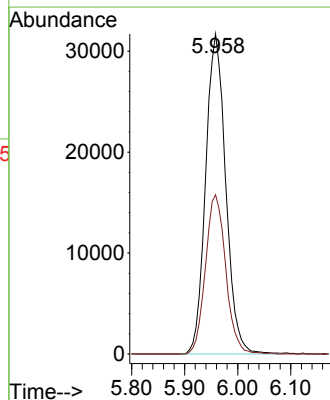
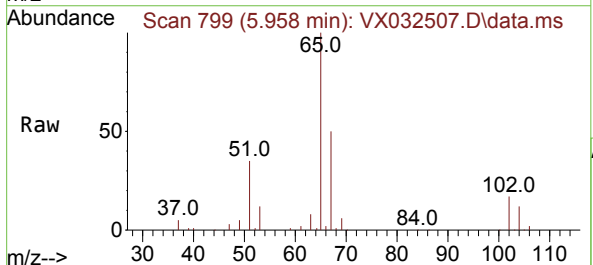
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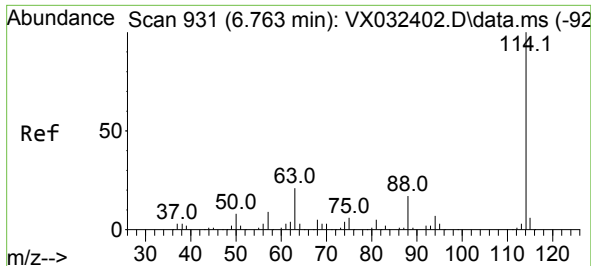
Tgt Ion: 56 Resp: 2855
Ion Ratio Lower Upper
56 100
69 171.6 24.1 36.1#
84 101.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 48.008 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 65 Resp: 83309
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.8

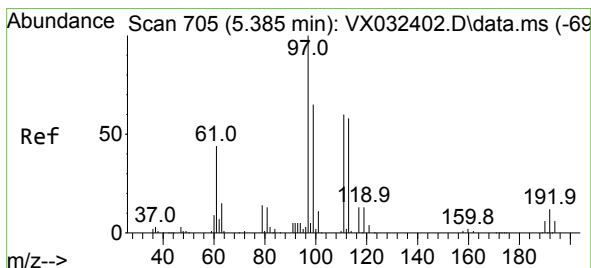
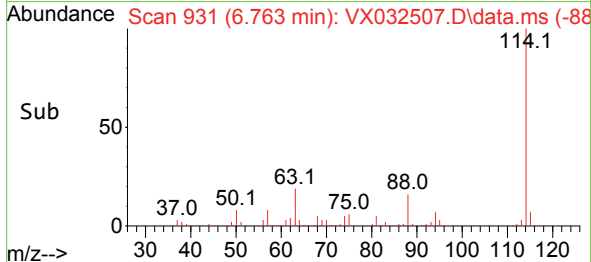
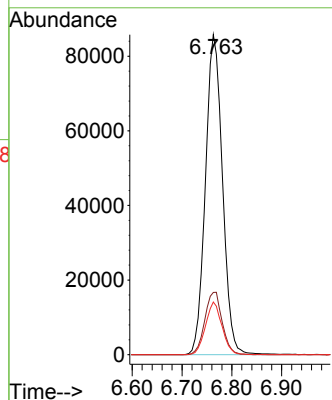
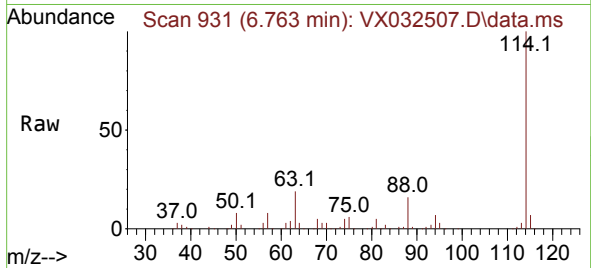




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

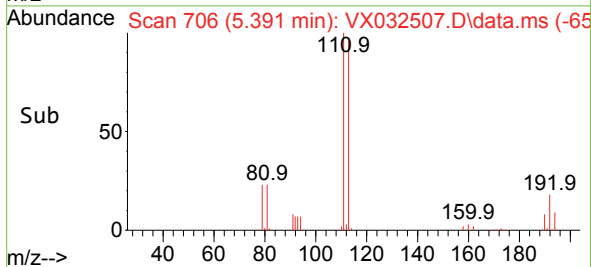
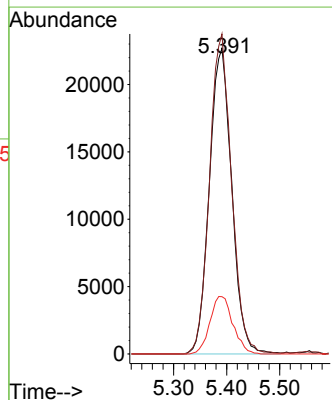
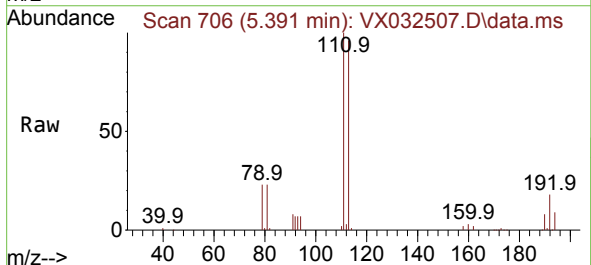
Instrument :
MSVOA_X
ClientSampleId :
31845

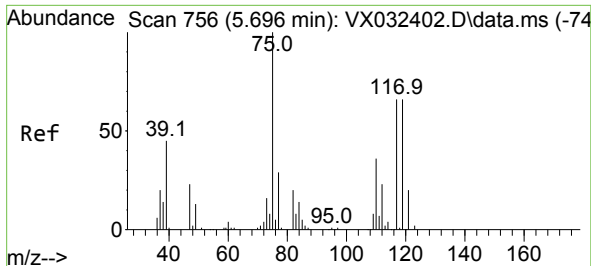
Tgt Ion:114 Resp: 203870
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 16.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.670 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion:113 Resp: 66414
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 19.3 15.4 23.2

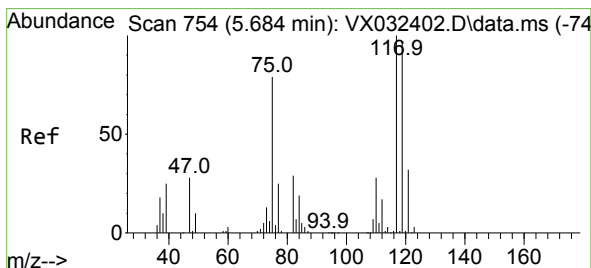
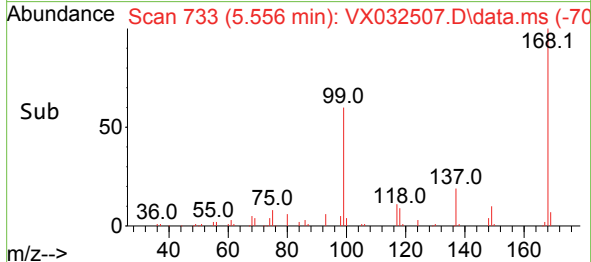
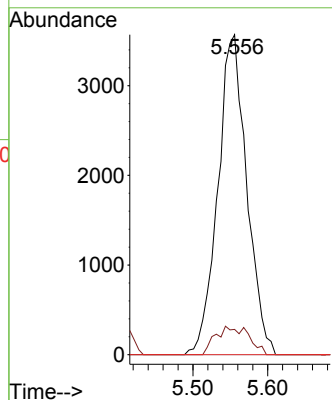
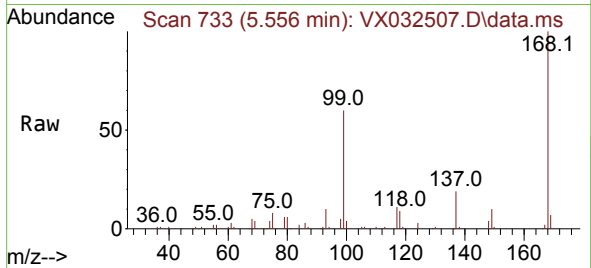




#36
 1,1-Dichloropropene
 Concen: 4.742 ug/l
 RT: 5.556 min Scan# 711
 Delta R.T. -0.140 min
 Lab File: VX032507.D
 Acq: 01 Nov 2022 12:52

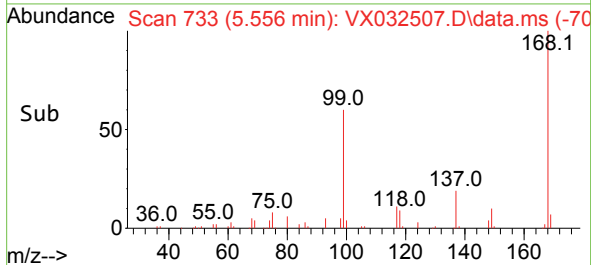
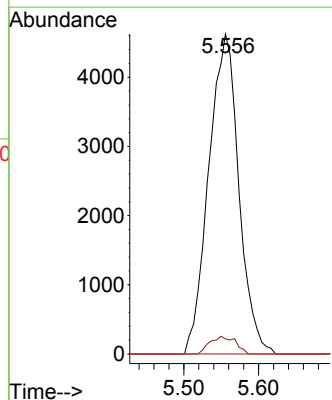
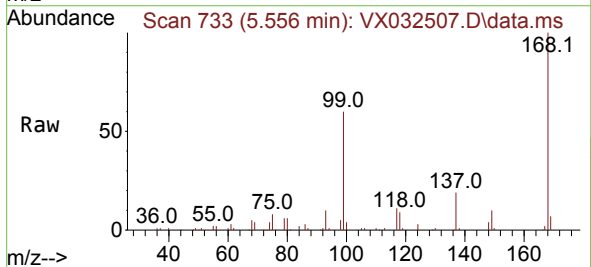
Instrument :
 MSVOA_X
 ClientSampleId :
 31845

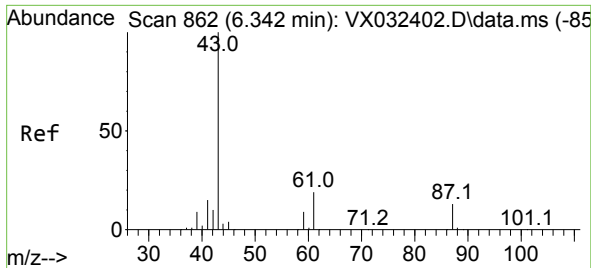
Tgt Ion: 75 Resp: 9603
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.4 55.2#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.758 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.128 min
 Lab File: VX032507.D
 Acq: 01 Nov 2022 12:52

Tgt Ion: 117 Resp: 12933
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.2 115.8#
 121 0.0 25.8 38.6#

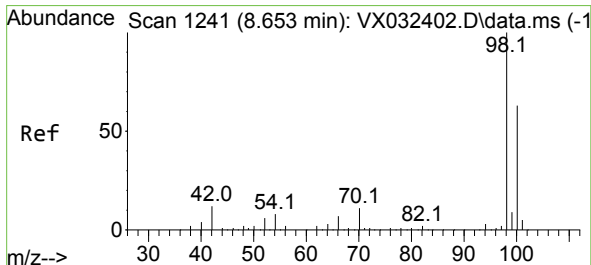
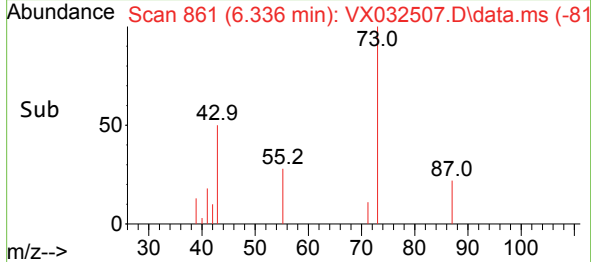
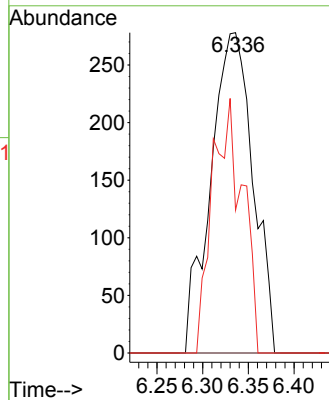
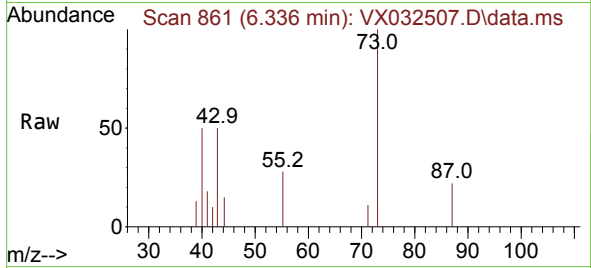




#43
Isopropyl Acetate
Concen: 0.278 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

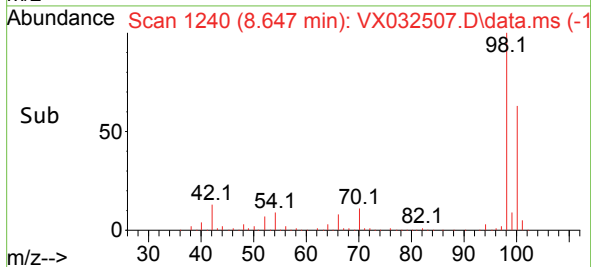
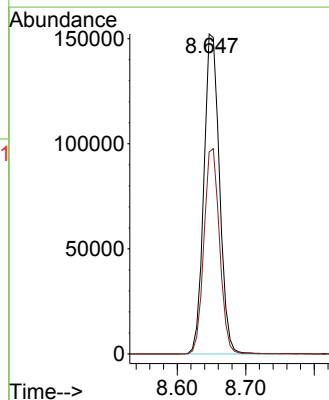
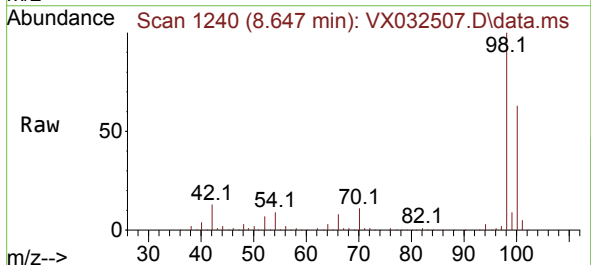
Instrument :
MSVOA_X
ClientSampleId :
31845

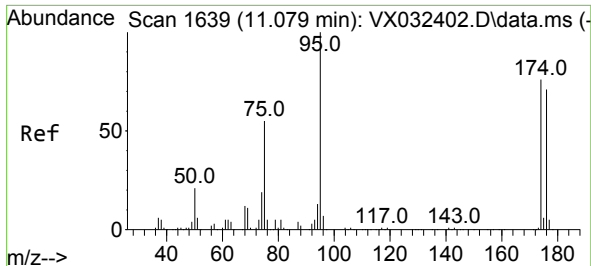
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 56.8 10.8 16.2#



#50
Toluene-d8
Concen: 47.819 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 98 Resp: 241803
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3

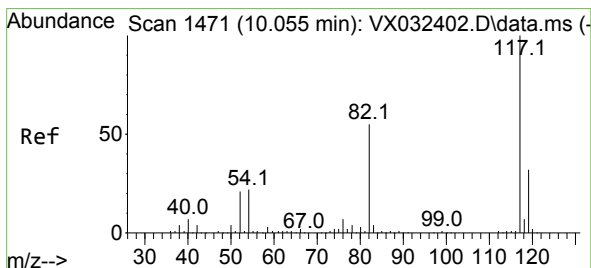
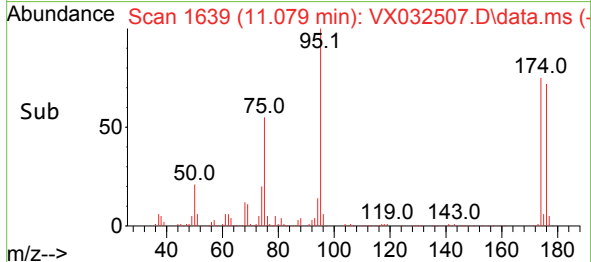
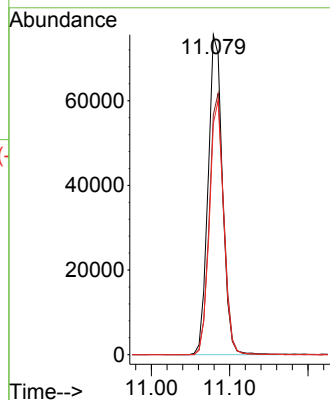
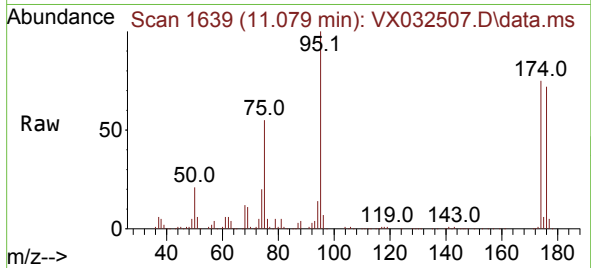




#62
4-Bromofluorobenzene
Concen: 48.658 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

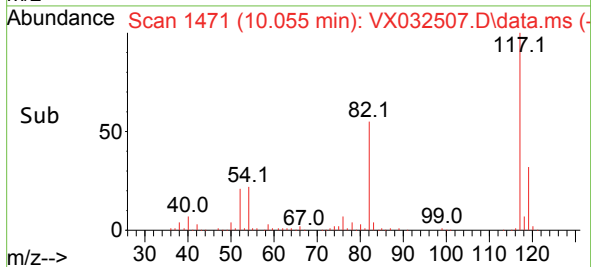
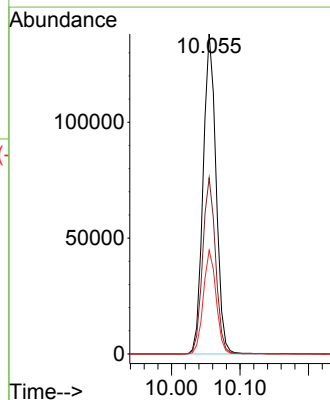
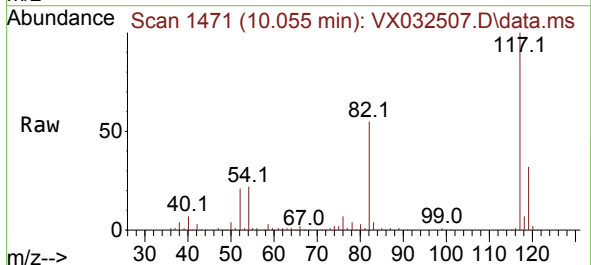
Instrument :
MSVOA_X
ClientSampleId :
31845

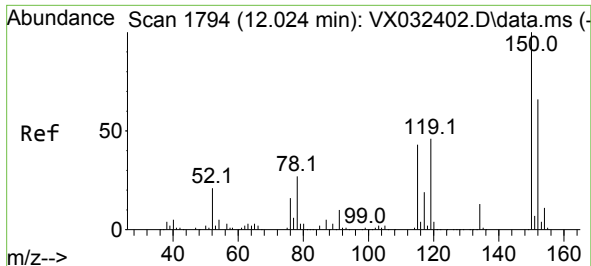
Tgt Ion: 95 Resp: 96112
Ion Ratio Lower Upper
95 100
174 81.7 0.0 164.0
176 78.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 117 Resp: 181923
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.4 25.7 38.5

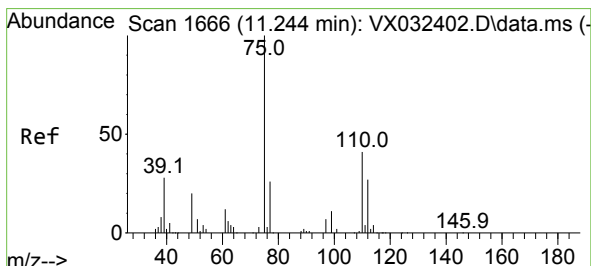
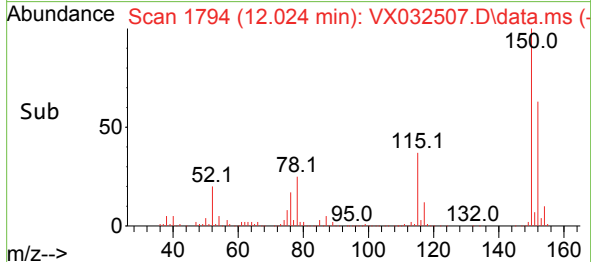
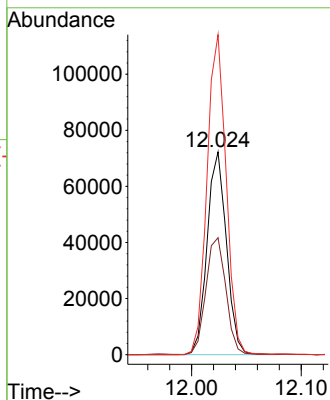
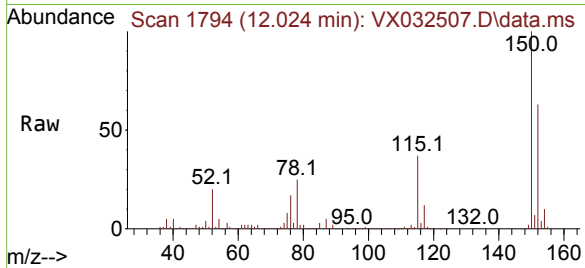




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX032507.D
 Acq: 01 Nov 2022 12:52

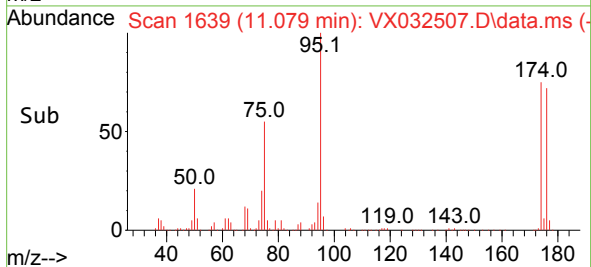
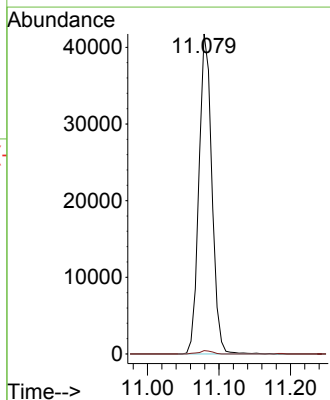
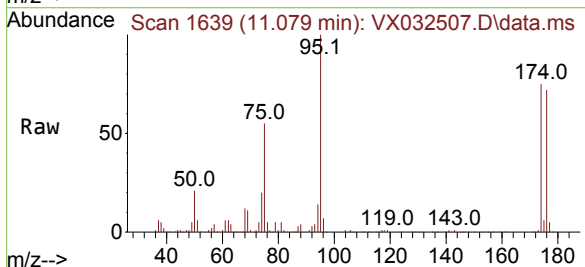
Instrument :
 MSVOA_X
 ClientSampleId :
 31845

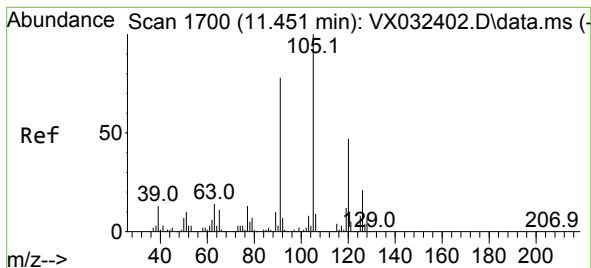
Tgt Ion:152 Resp: 88786
 Ion Ratio Lower Upper
 152 100
 115 59.3 44.0 132.0
 150 156.2 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 26.531 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX032507.D
 Acq: 01 Nov 2022 12:52

Tgt Ion: 75 Resp: 52406
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 60.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.457 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032507.D

Acq: 01 Nov 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

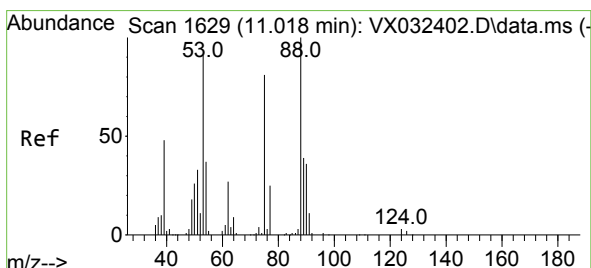
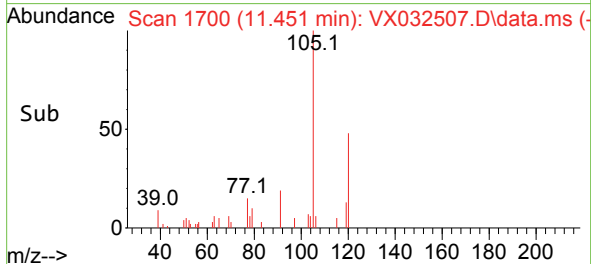
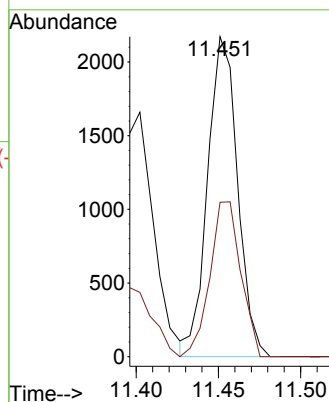
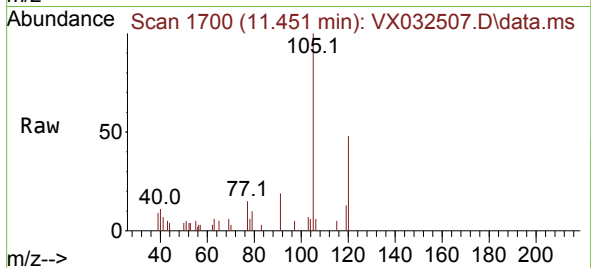
31845

Tgt Ion:105 Resp: 2749

Ion Ratio Lower Upper

105 100

120 50.0 23.6 71.0



#81

trans-1,4-Dichloro-2-butene

Concen: 84.422 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032507.D

Acq: 01 Nov 2022 12:52

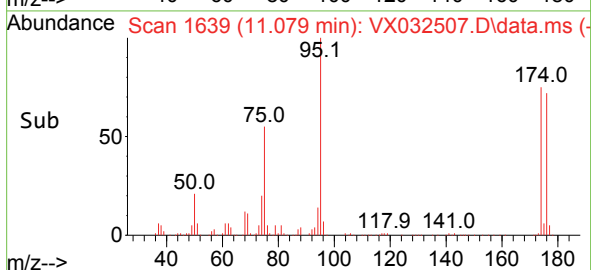
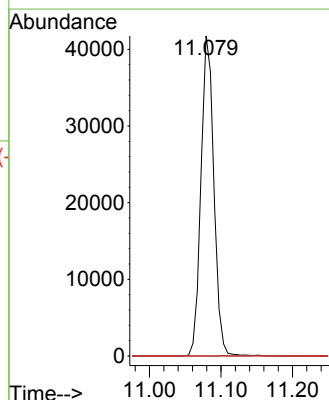
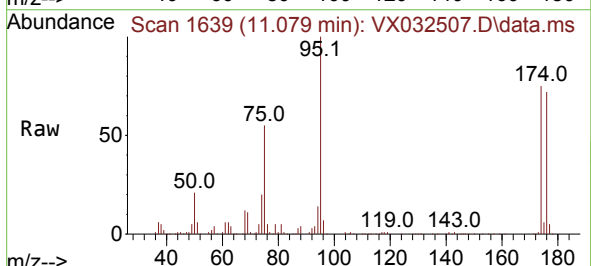
Tgt Ion: 75 Resp: 52406

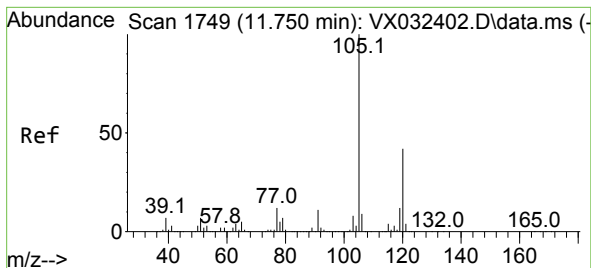
Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

89 0.0 38.3 57.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.522 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX032507.D

Acq: 01 Nov 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

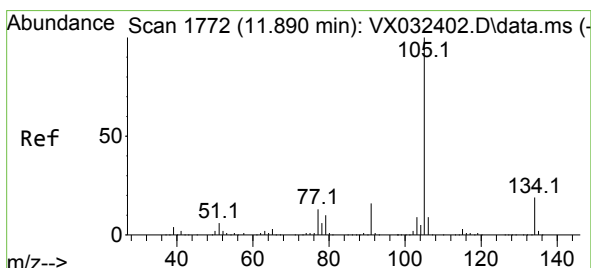
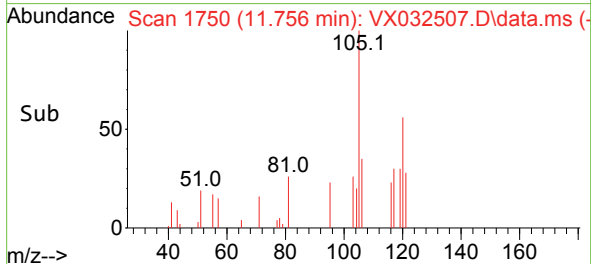
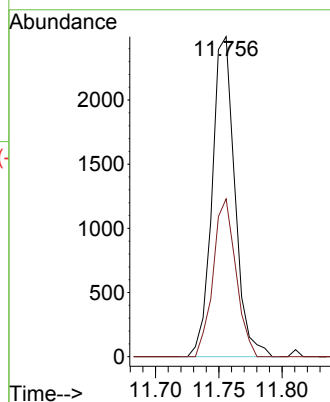
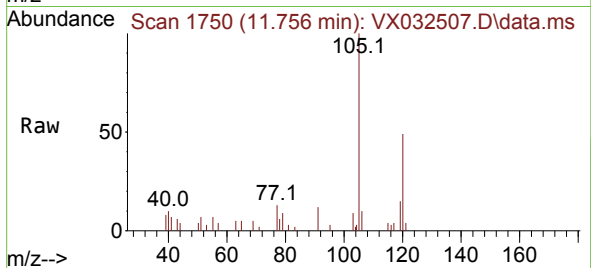
31845

Tgt Ion:105 Resp: 3121

Ion Ratio Lower Upper

105 100

120 49.2 21.9 65.5



#85

sec-Butylbenzene

Concen: 0.352 ug/l

RT: 11.896 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VX032507.D

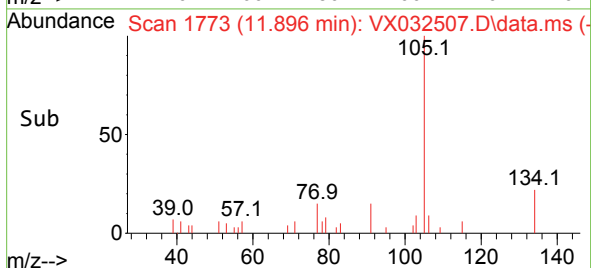
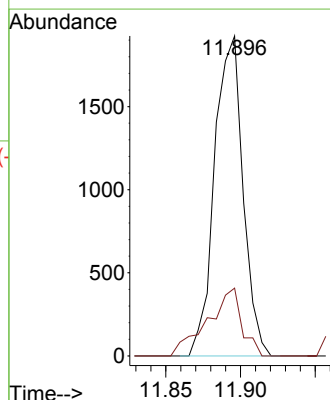
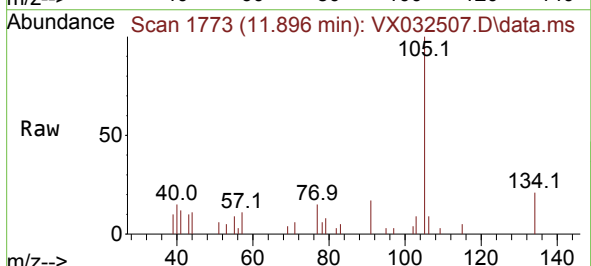
Acq: 01 Nov 2022 12:52

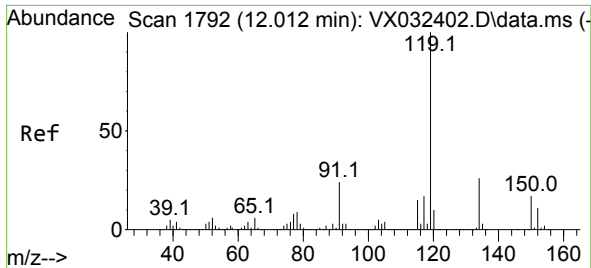
Tgt Ion:105 Resp: 2545

Ion Ratio Lower Upper

105 100

134 25.5 9.9 29.7

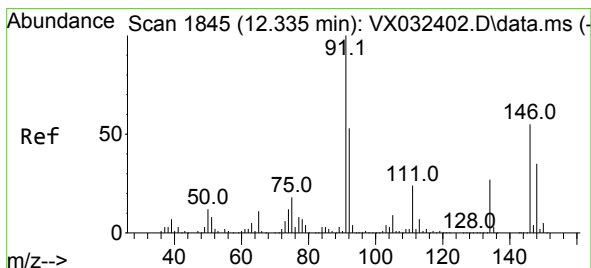
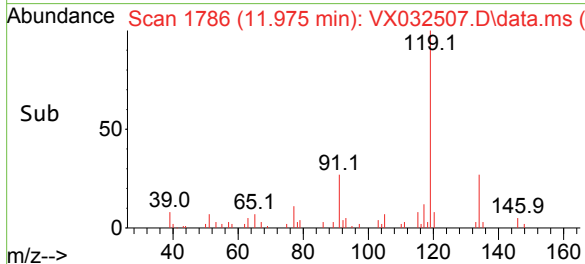
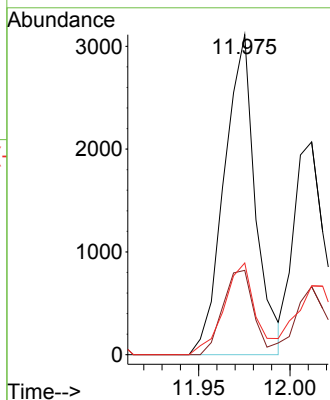
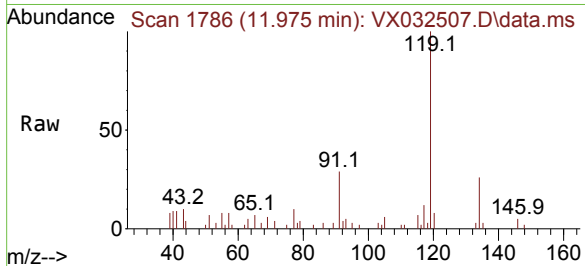




#86
p-Isopropyltoluene
Concen: 0.604 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

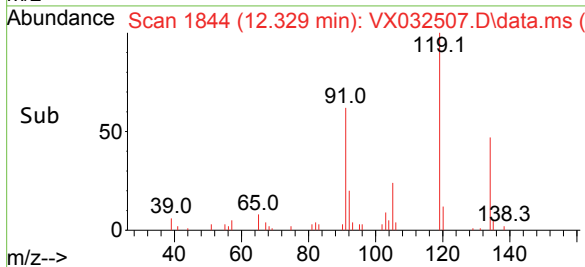
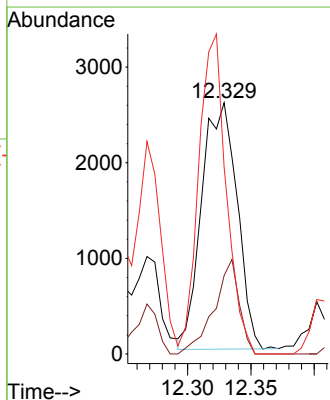
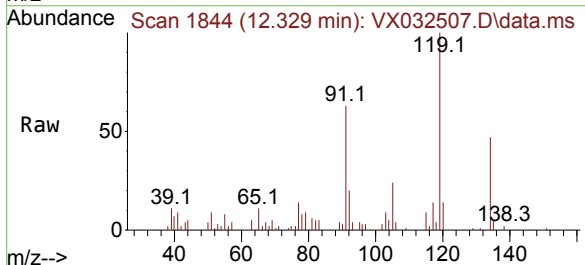
Instrument :
MSVOA_X
ClientSampleId :
31845

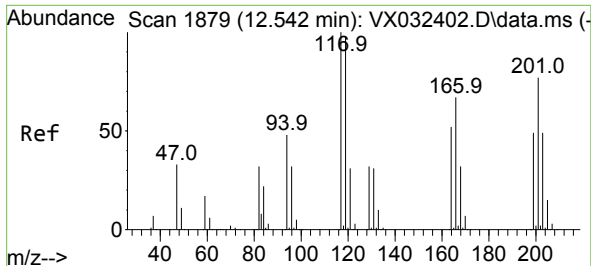
Tgt Ion:119 Resp: 3701
Ion Ratio Lower Upper
119 100
134 25.7 12.9 38.7
91 29.6 12.5 37.5



#89
n-Butylbenzene
Concen: 0.939 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 91 Resp: 5007
Ion Ratio Lower Upper
91 100
92 27.1 26.2 78.6
134 101.2 12.9 38.6#

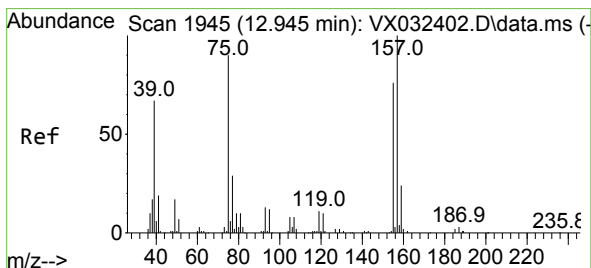
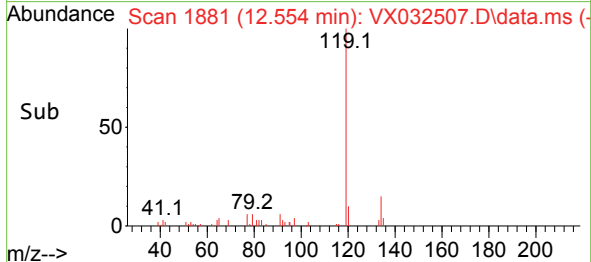
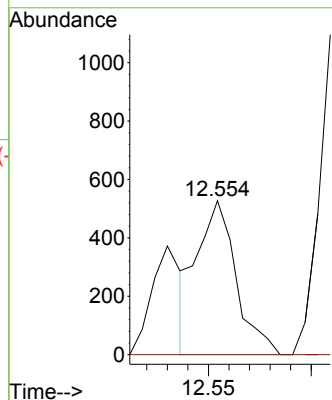
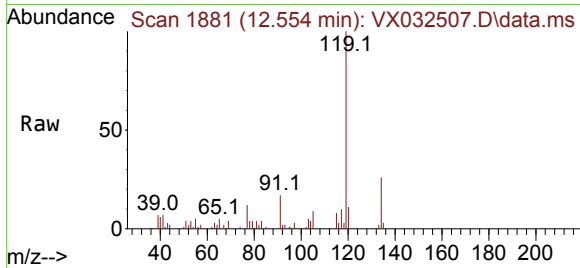




#90
Hexachloroethane
Concen: 0.695 ug/l
RT: 12.554 min Scan# 1881
Delta R.T. 0.012 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Instrument :
MSVOA_X
ClientSampleId :
31845

Tgt Ion:117 Resp: 696
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.236 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.012 min
Lab File: VX032507.D
Acq: 01 Nov 2022 12:52

Tgt Ion: 75 Resp: 117
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#

