

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110122\
 Data File : VX032510.D
 Acq On : 01 Nov 2022 14:02
 Operator : JC/MD
 Sample : N5391-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31845

Quant Time: Nov 02 05:29:27 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

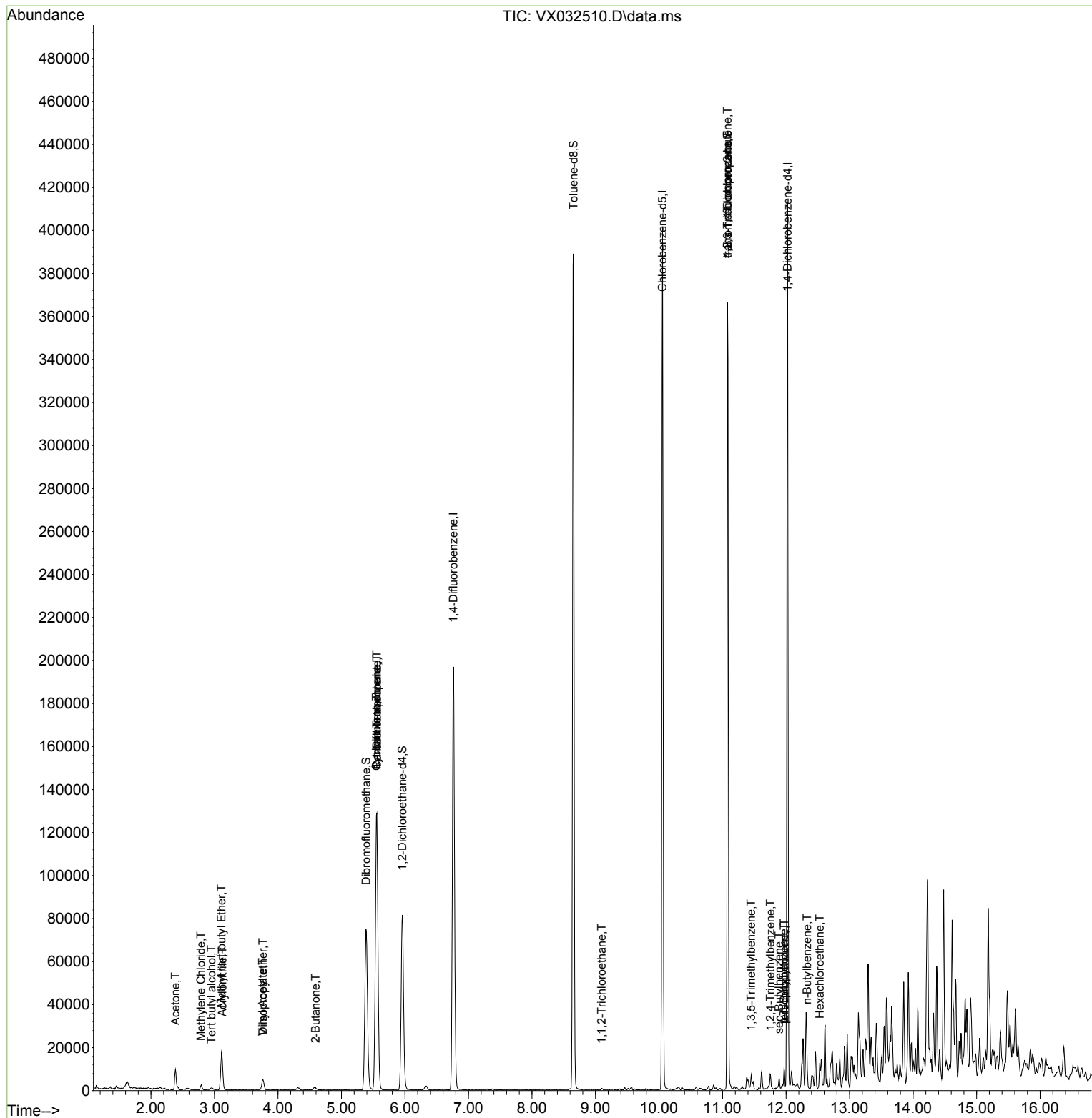
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	121644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198190	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80225	47.464	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.920%
35) Dibromofluoromethane	5.385	113	63742	45.088	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.180%
50) Toluene-d8	8.653	98	235232	47.852	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.700%
62) 4-Bromofluorobenzene	11.079	95	91356	47.576	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	731	2.971	ug/l #	72
15) Acrylonitrile	3.123	53	223	0.334	ug/l #	25
16) Acetone	2.386	43	10879	17.709	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	18314	4.271	ug/l	97
20) Methylene Chloride	2.788	84	1165	0.827	ug/l	95
22) Diisopropyl ether	3.764	45	5110	1.215	ug/l #	81
23) Vinyl Acetate	3.757	43	2595	0.764	ug/l #	72
25) 2-Butanone	4.593	43	1029	1.081	ug/l	93
31) Cyclohexane	5.550	56	2658	1.297	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	9397	4.773	ug/l #	51
38) Carbon Tetrachloride	5.556	117	12602	5.771	ug/l #	15
55) 1,1,2-Trichloroethane	9.098	97	336	0.220	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	49561	26.749	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	2724	0.483	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	49561	85.115	ug/l #	6
83) tert-Butylbenzene	11.969	119	3762	0.668	ug/l	70
84) 1,2,4-Trimethylbenzene	11.756	105	2883	0.514	ug/l	93
85) sec-Butylbenzene	11.890	105	2503	0.369	ug/l	87
86) p-Isopropyltoluene	11.969	119	3866	0.672	ug/l	95
89) n-Butylbenzene	12.329	91	4921	0.984	ug/l #	27
90) Hexachloroethane	12.530	117	472	0.503	ug/l #	12

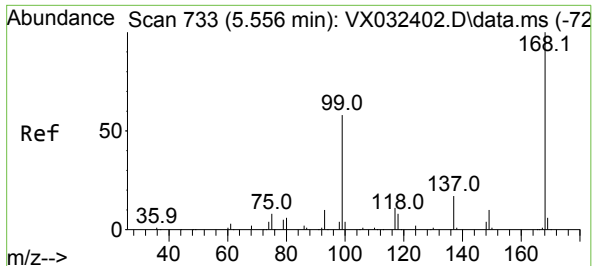
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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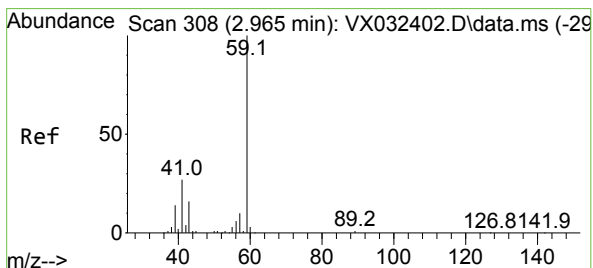
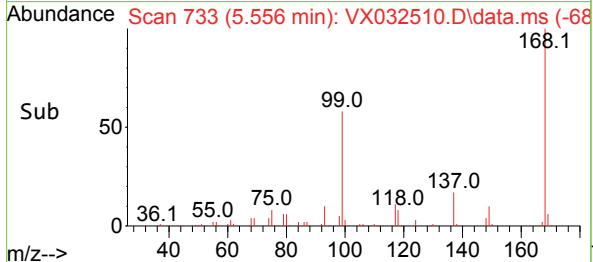
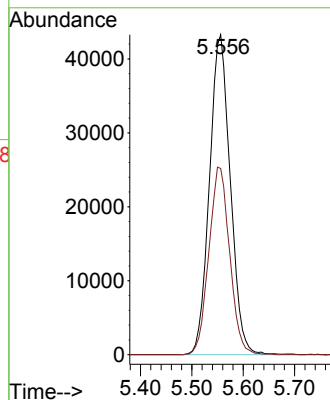
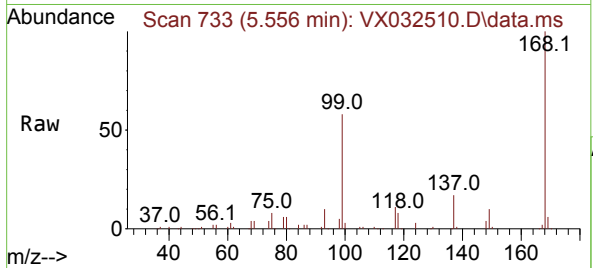




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

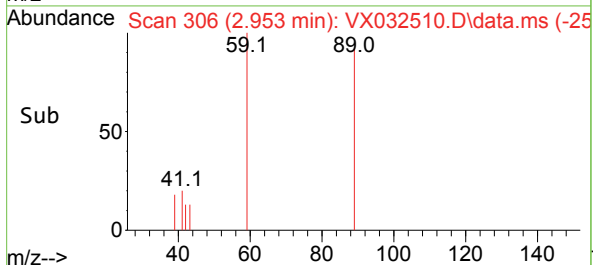
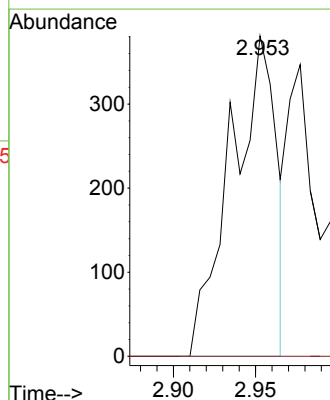
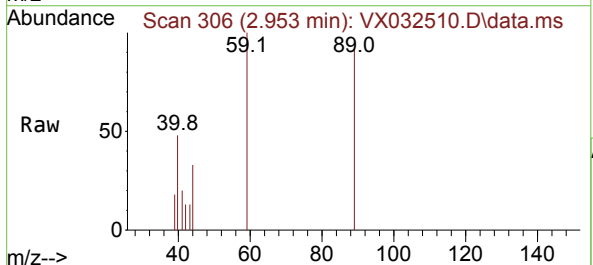
Instrument :
MSVOA_X
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31845

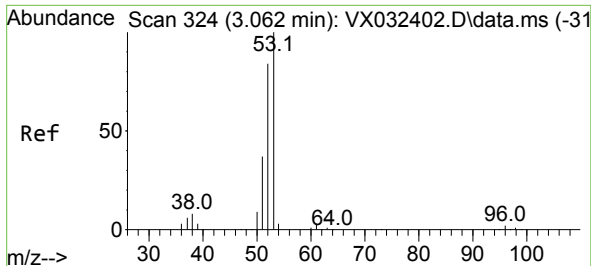
Tgt Ion:168 Resp: 121644
Ion Ratio Lower Upper
168 100
99 58.2 46.1 69.1



#11
Tert butyl alcohol
Concen: 2.971 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 59 Resp: 731
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

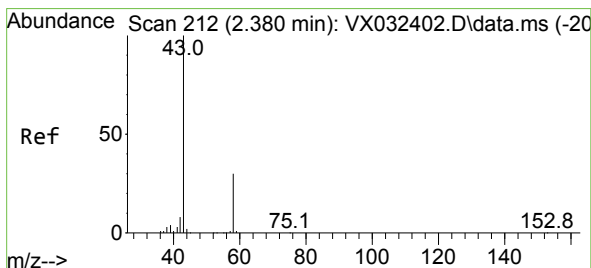
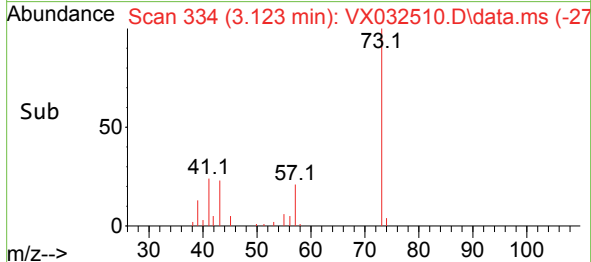
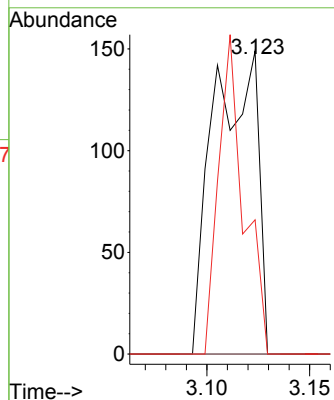
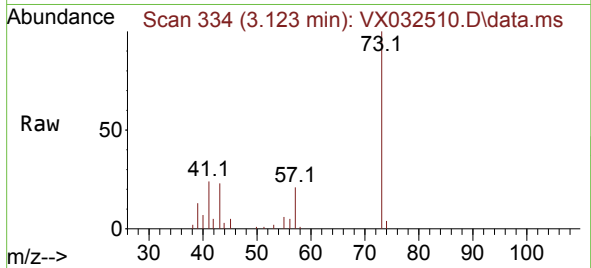




#15
Acrylonitrile
Concen: 0.334 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.061 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

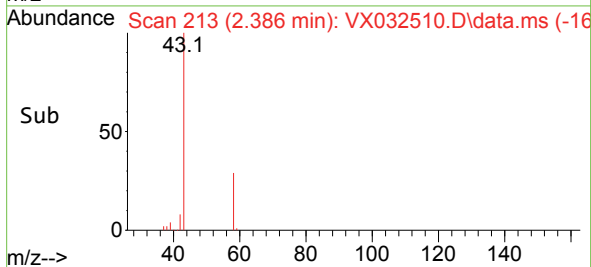
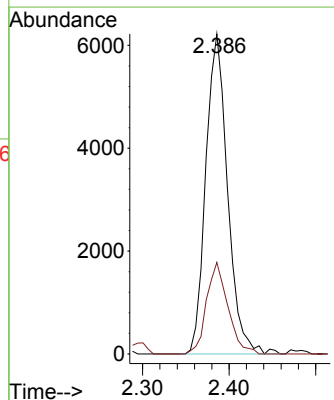
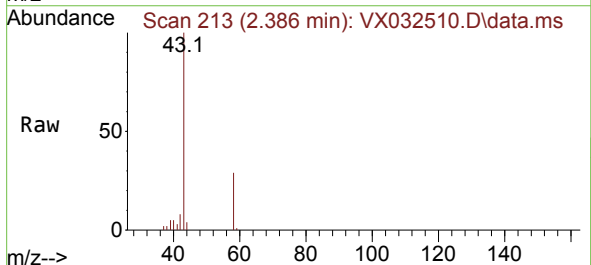
Instrument :
MSVOA_X
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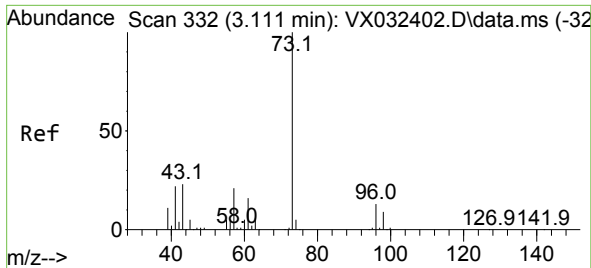
Tgt Ion: 53 Resp: 223
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 60.1 30.3 45.5#



#16
Acetone
Concen: 17.709 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 43 Resp: 10879
Ion Ratio Lower Upper
43 100
58 28.6 23.8 35.8

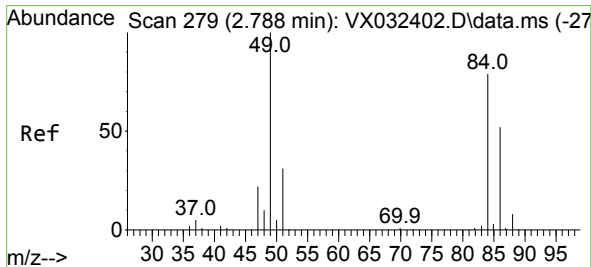
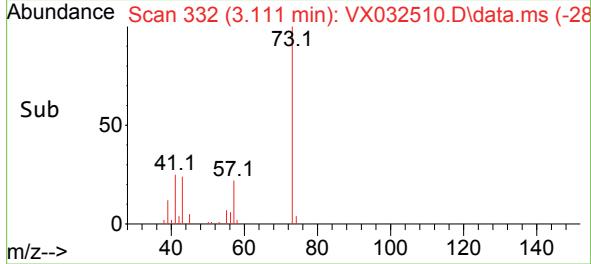
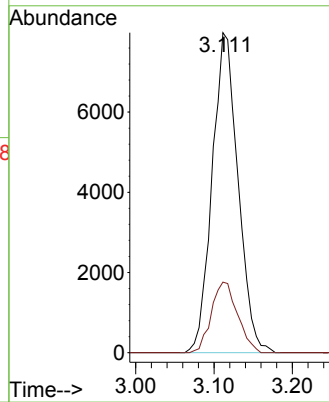
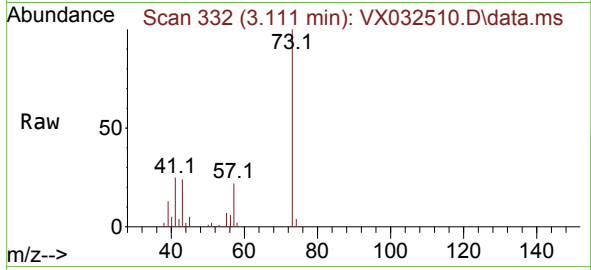




#19
Methyl tert-butyl Ether
Concen: 4.271 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

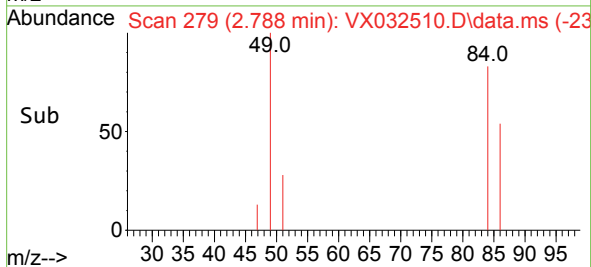
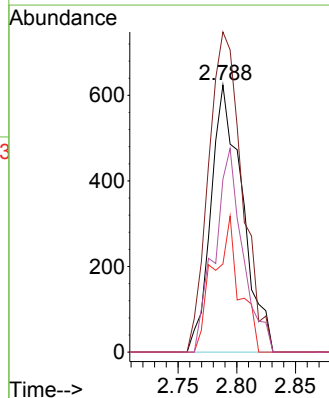
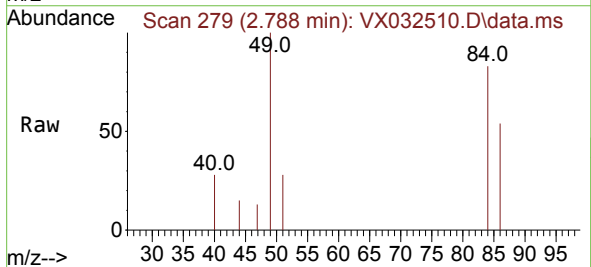
Instrument :
MSVOA_X
ClientSampleId :
31845

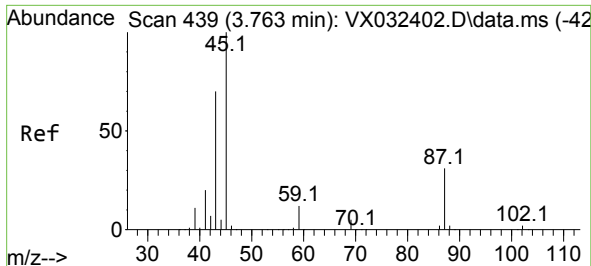
Tgt Ion: 73 Resp: 18314
Ion Ratio Lower Upper
73 100
57 22.1 16.6 25.0



#20
Methylene Chloride
Concen: 0.827 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 84 Resp: 1165
Ion Ratio Lower Upper
84 100
49 119.9 101.0 151.6
51 33.0 31.1 46.7
86 64.7 52.3 78.5

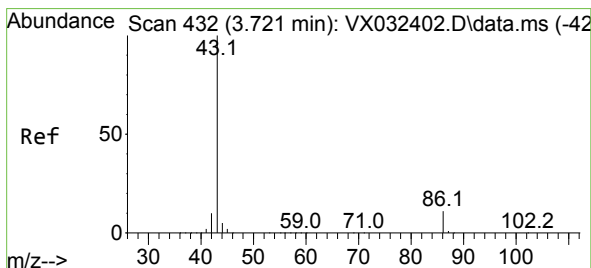
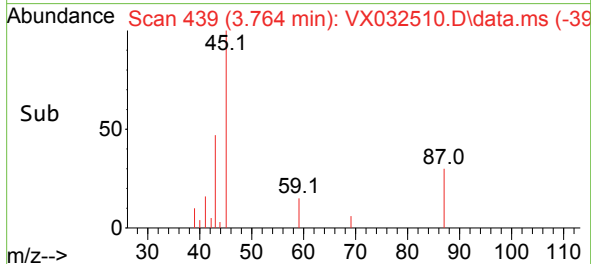
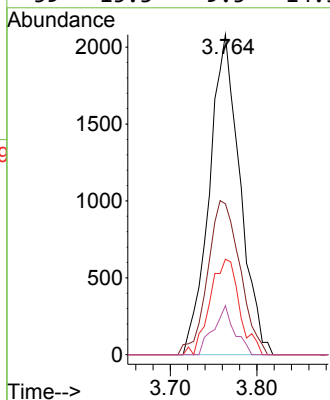
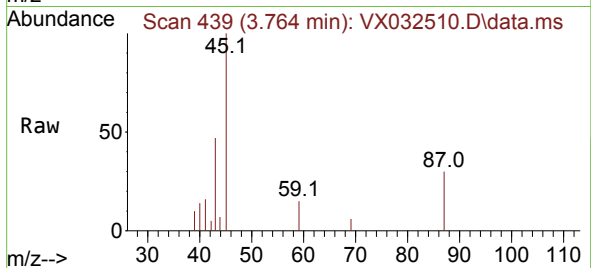




#22
Diisopropyl ether
Concen: 1.215 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

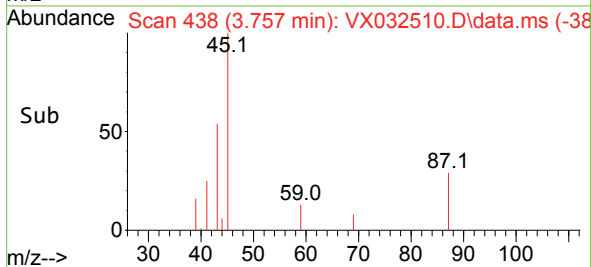
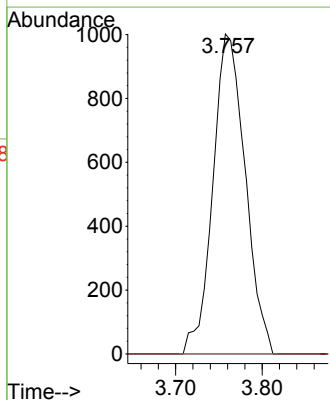
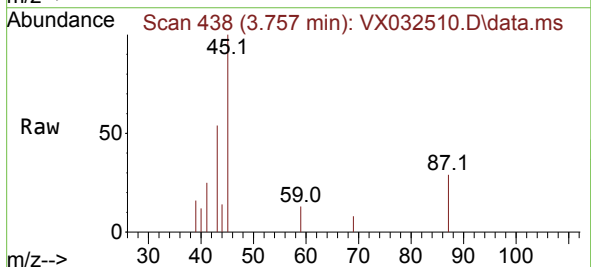
Instrument :
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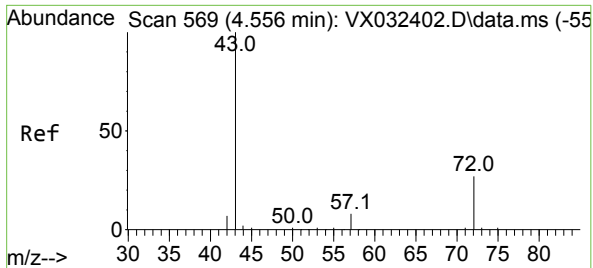
Tgt Ion:	45	Resp:	5110
Ion	Ratio	Lower	Upper
45	100		
43	47.1	56.4	84.6#
87	29.9	24.4	36.6
59	15.3	9.5	14.3#



#23
Vinyl Acetate
Concen: 0.764 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.037 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion:	43	Resp:	2595
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

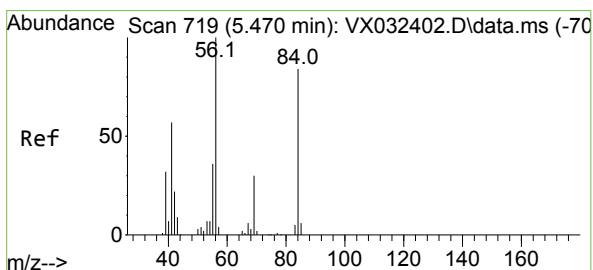
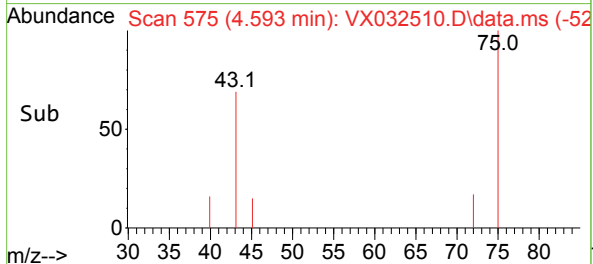
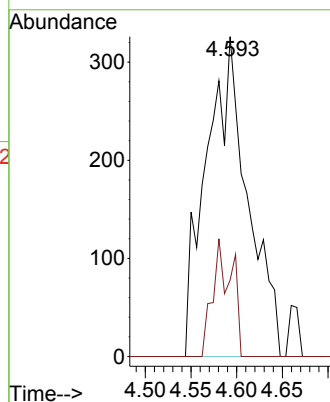
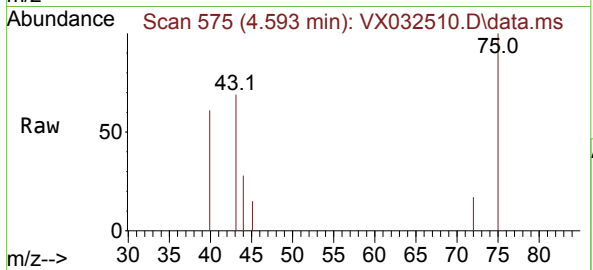




#25
2-Butanone
Concen: 1.081 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

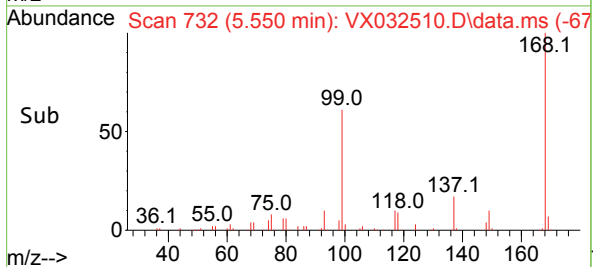
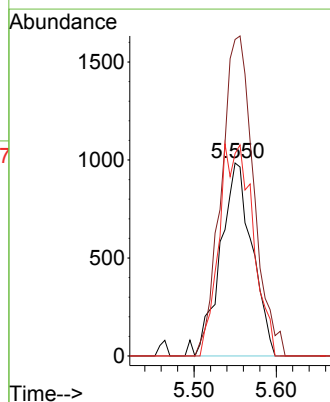
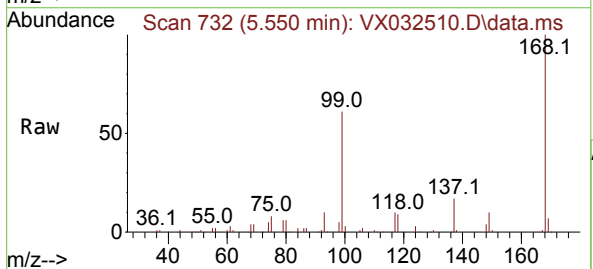
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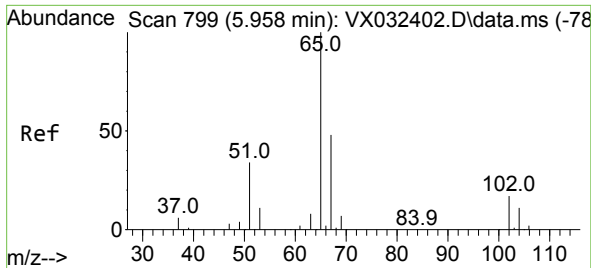
Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
72 23.9 22.2 33.2



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 56 Resp: 2658
Ion Ratio Lower Upper
56 100
69 164.0 24.1 36.1#
84 104.9 66.9 100.3#

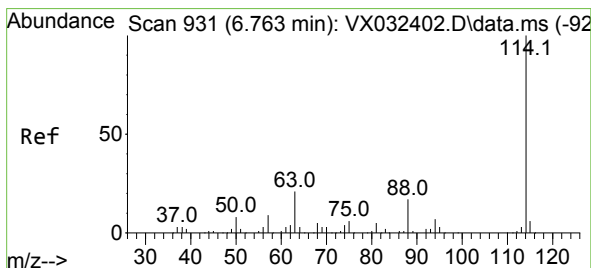
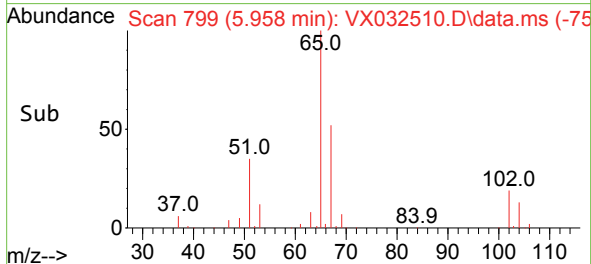
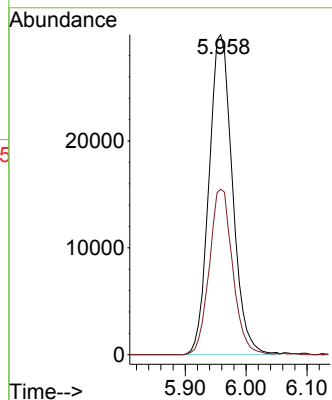
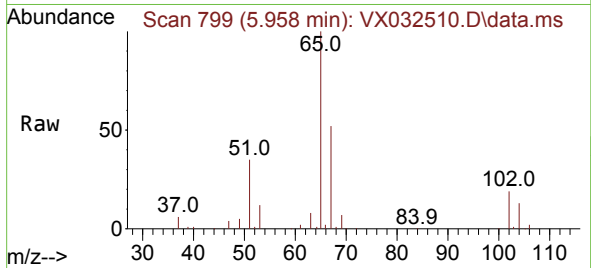




#33
 1,2-Dichloroethane-d4
 Concen: 47.464 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032510.D
 Acq: 01 Nov 2022 14:02

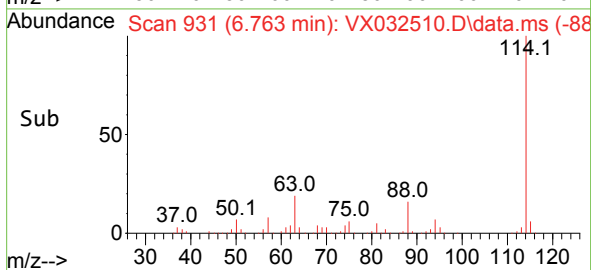
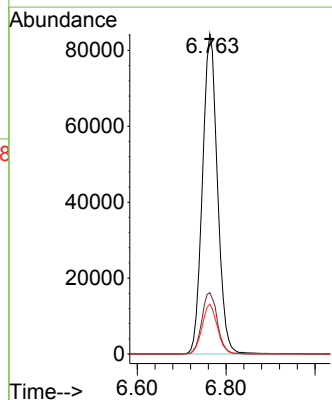
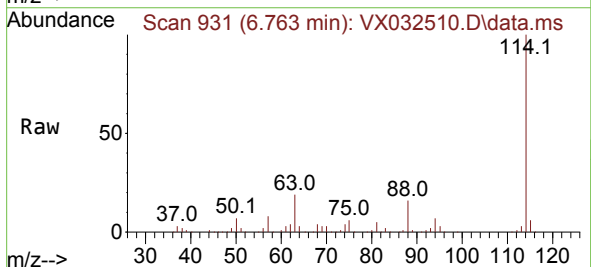
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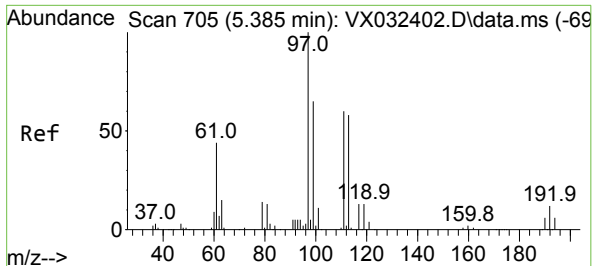
Tgt Ion: 65 Resp: 80225
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032510.D
 Acq: 01 Nov 2022 14:02

Tgt Ion: 114 Resp: 198190
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.6
 88 15.6 0.0 33.4

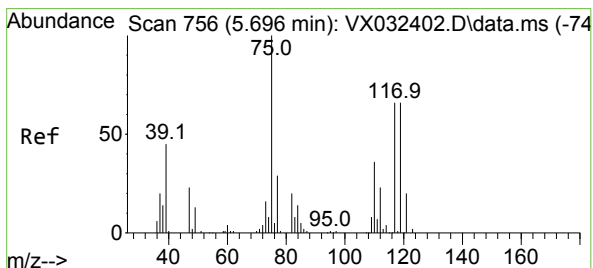
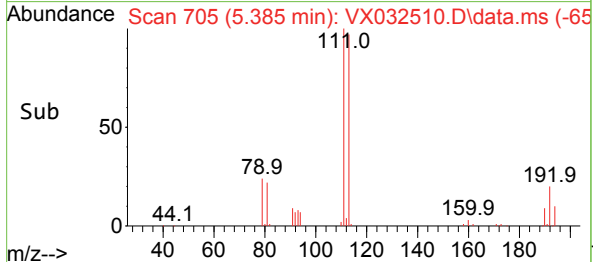
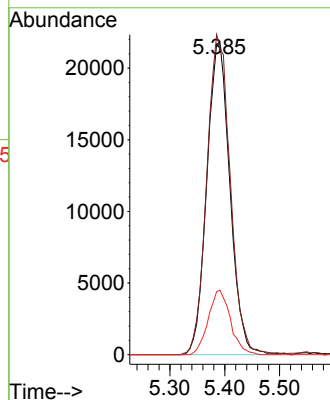
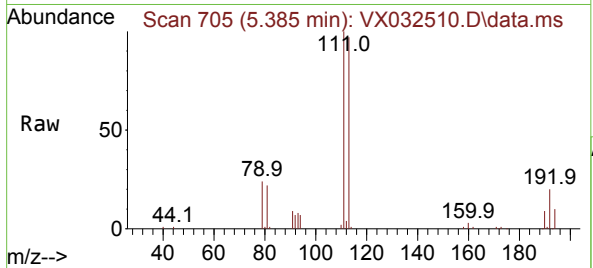




#35
Dibromofluoromethane
Concen: 45.088 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

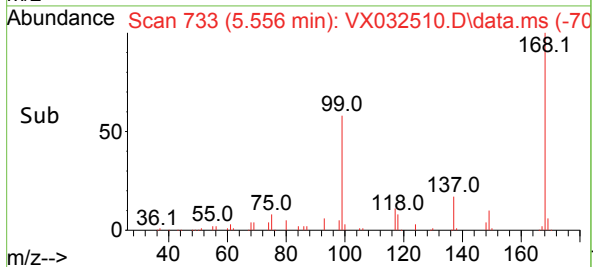
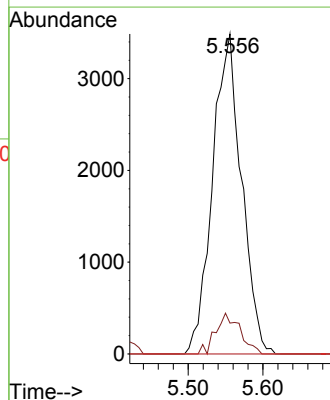
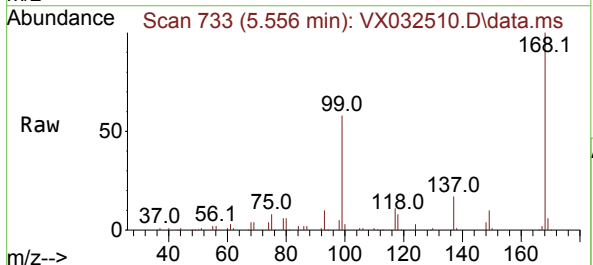
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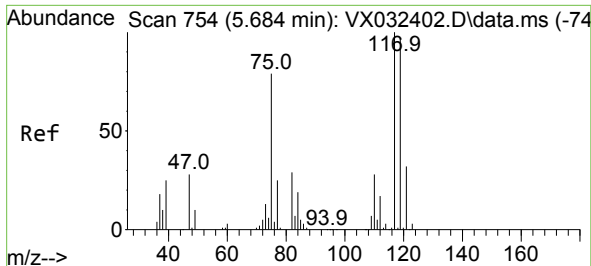
Tgt Ion:113 Resp: 63742
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 19.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.773 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 75 Resp: 9397
Ion Ratio Lower Upper
75 100
110 10.7 18.4 55.2#
77 0.0 24.5 36.7#

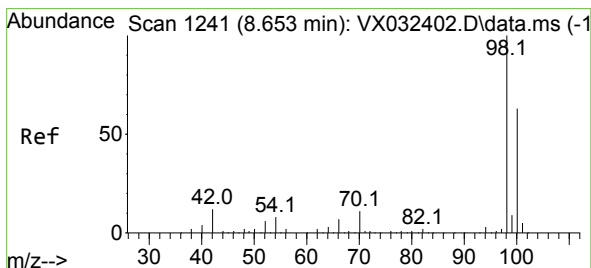
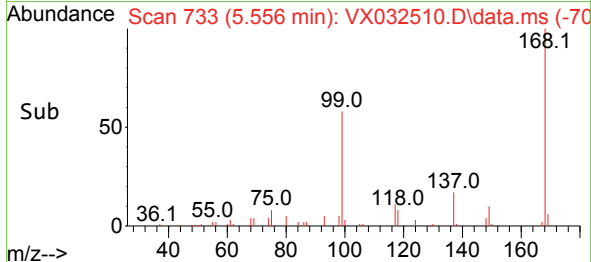
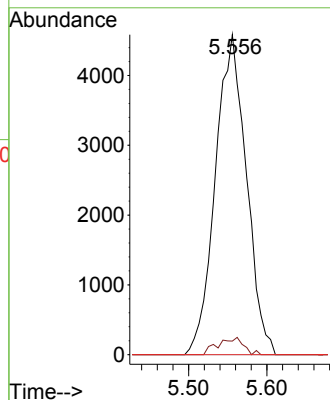
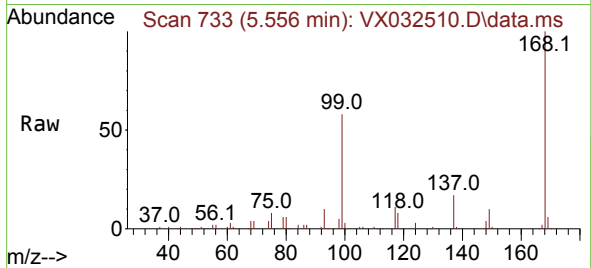




#38
Carbon Tetrachloride
Concen: 5.771 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

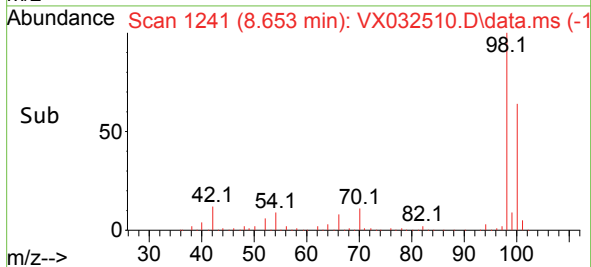
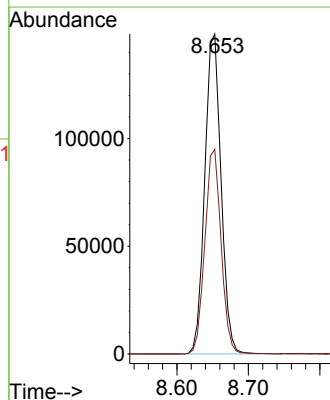
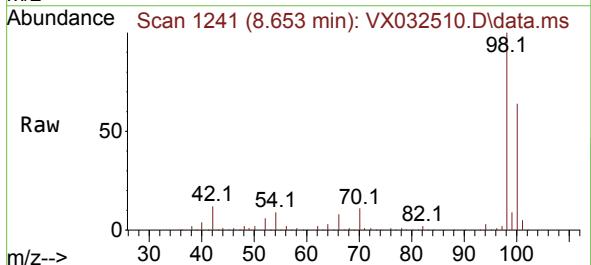
Instrument :
MSVOA_X
ClientSampleId :
31845

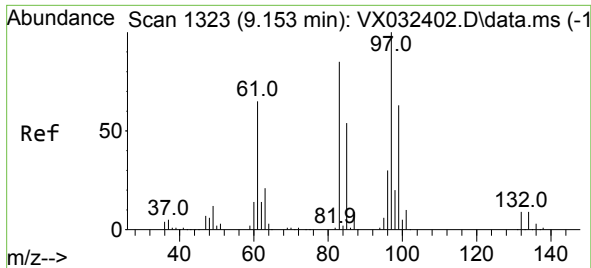
Tgt Ion:117 Resp: 12602
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.852 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 98 Resp: 235232
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

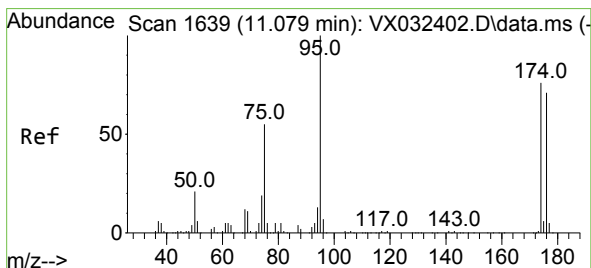
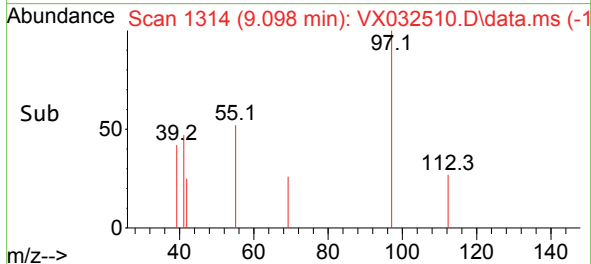
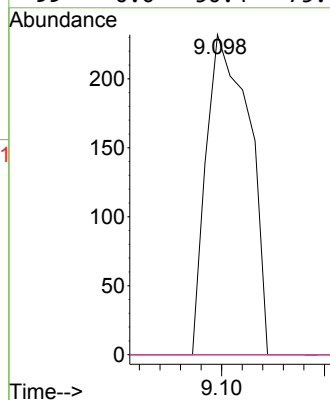
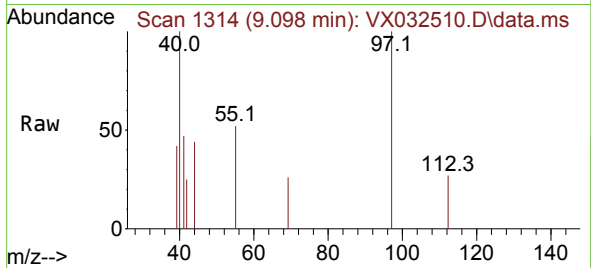




#55
1,1,2-Trichloroethane
Concen: 0.220 ug/l
RT: 9.098 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

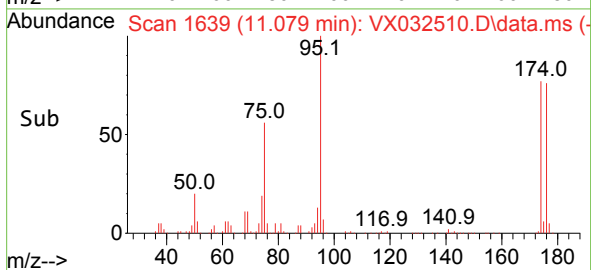
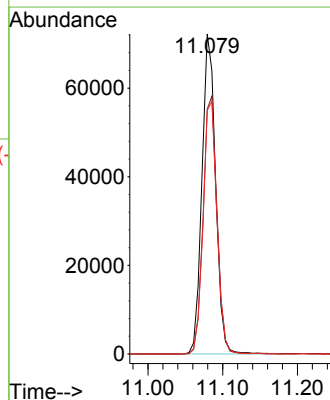
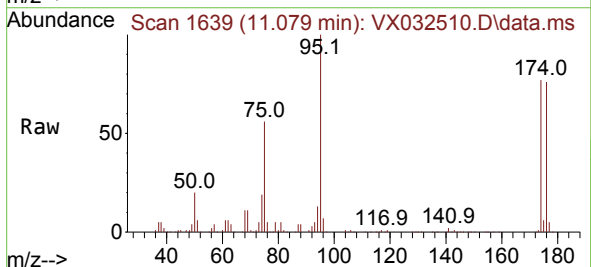
Instrument :
MSVOA_X
ClientSampleId :
31845

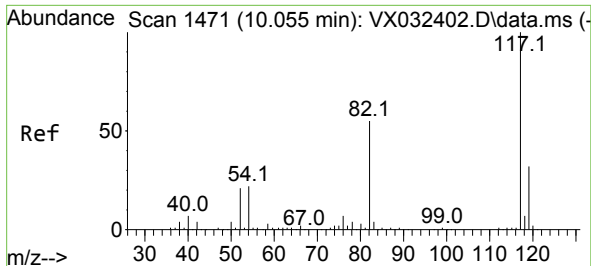
Tgt Ion: 97 Resp: 336
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 43.3 64.9#
99 0.0 50.4 75.6#



#62
4-Bromofluorobenzene
Concen: 47.576 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 95 Resp: 91356
Ion Ratio Lower Upper
95 100
174 82.2 0.0 164.0
176 80.1 0.0 154.4

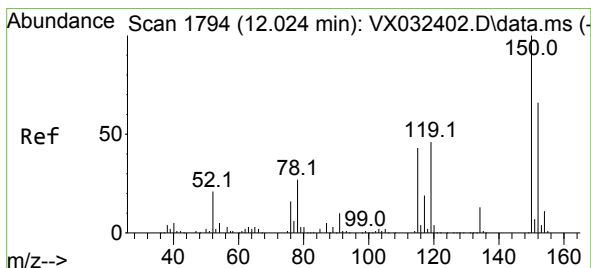
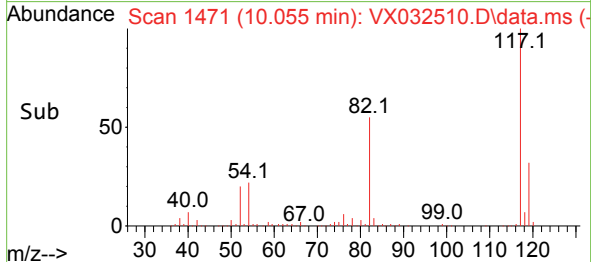
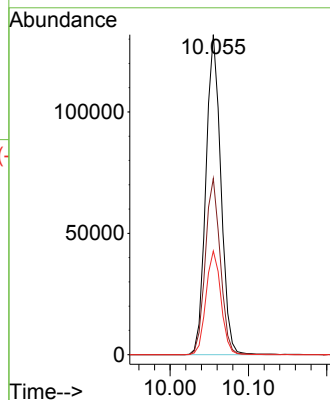
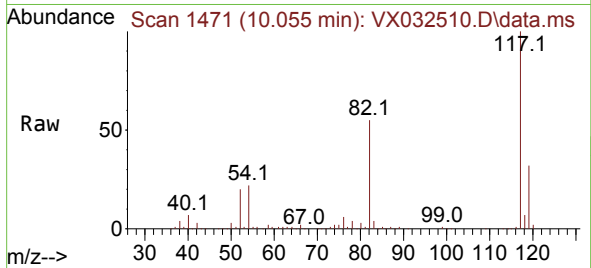




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

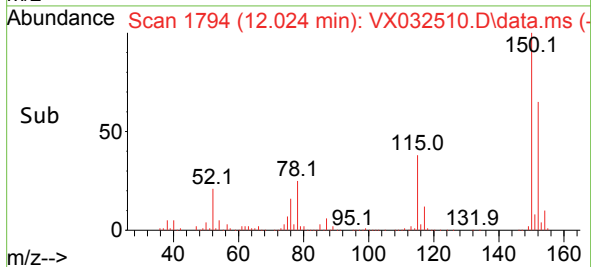
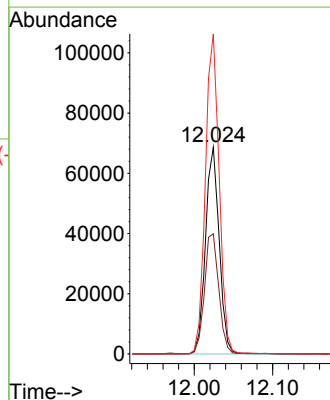
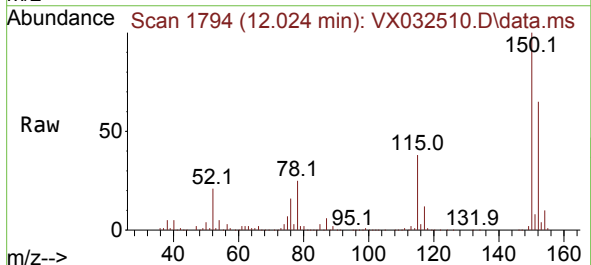
Instrument :
MSVOA_X
ClientSampleId :
31845

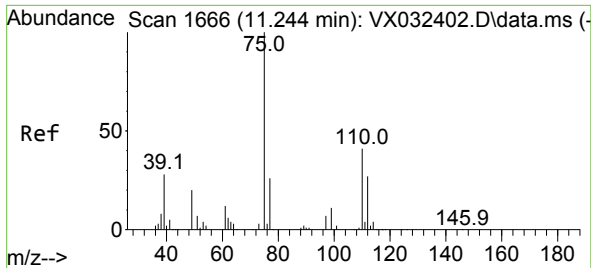
Tgt Ion:117 Resp: 174107
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion:152 Resp: 83283
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 156.0 0.0 351.8

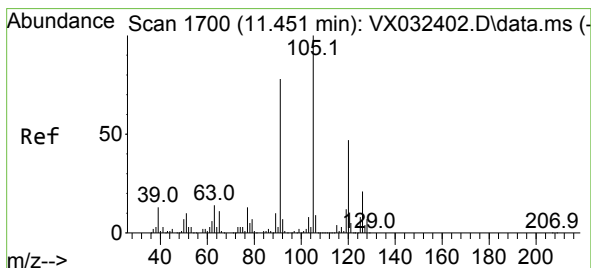
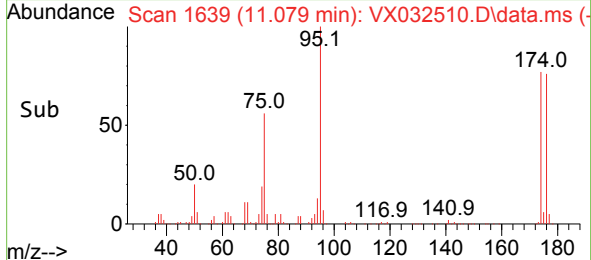
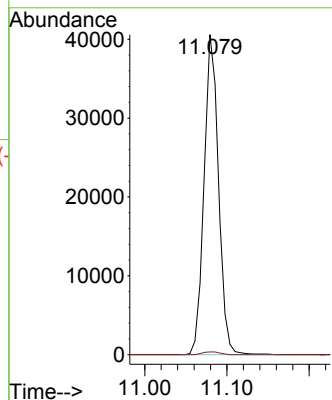
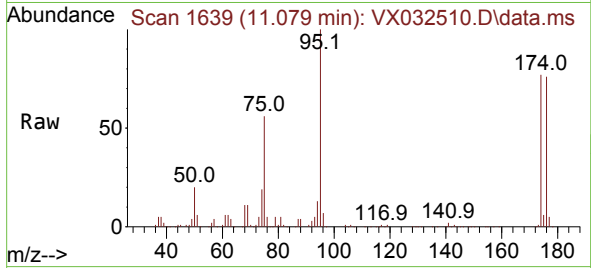




#76
1,2,3-Trichloropropane
Concen: 26.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

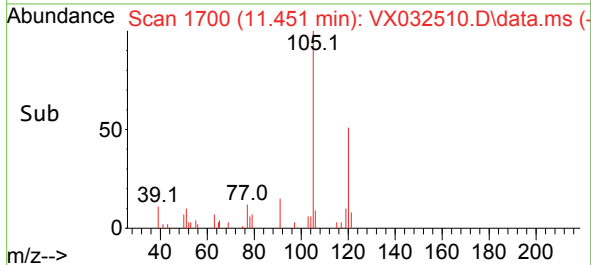
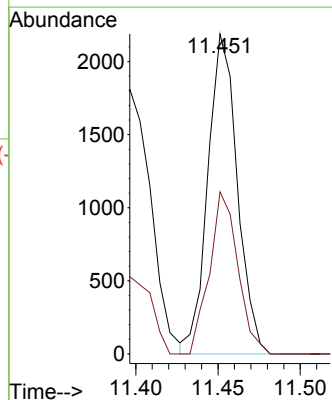
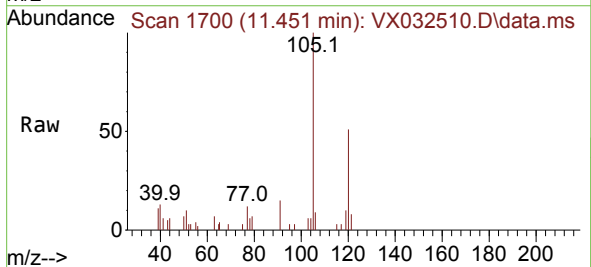
Instrument :
MSVOA_X
ClientSampleId :
31845

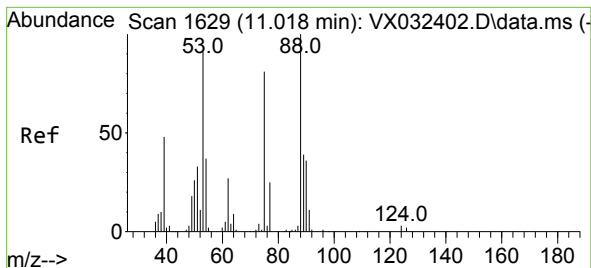
Tgt Ion: 75 Resp: 49561
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.483 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 105 Resp: 2724
Ion Ratio Lower Upper
105 100
120 48.9 23.6 71.0

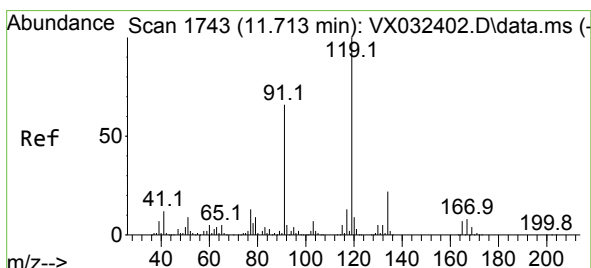
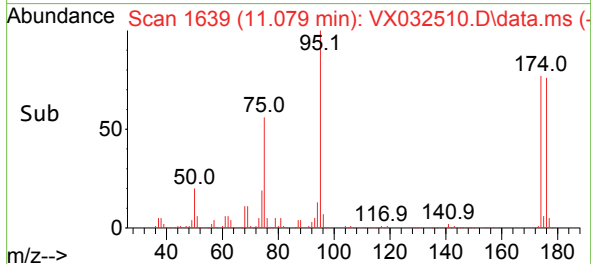
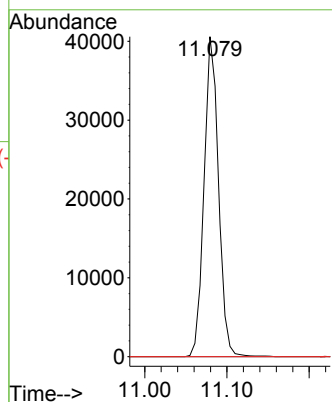
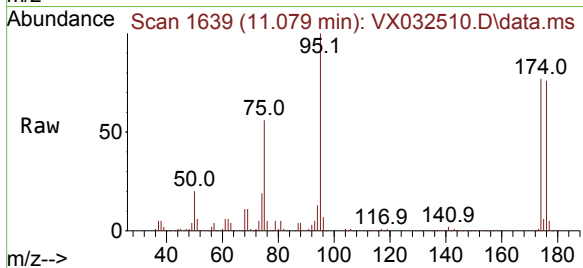




#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.115 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032510.D
 Acq: 01 Nov 2022 14:02

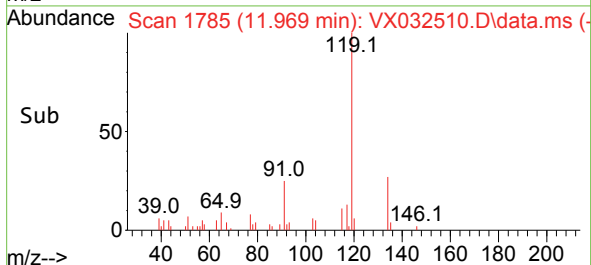
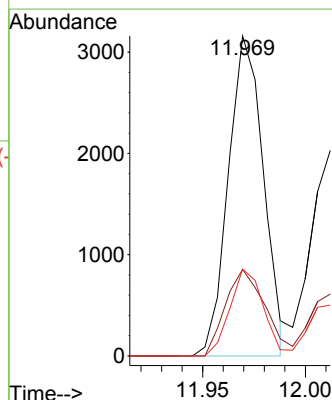
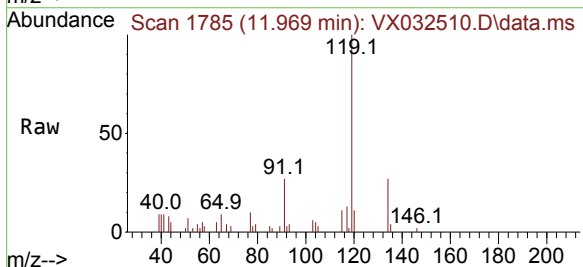
Instrument :
 MSVOA_X
 ClientSampleId :
 31845

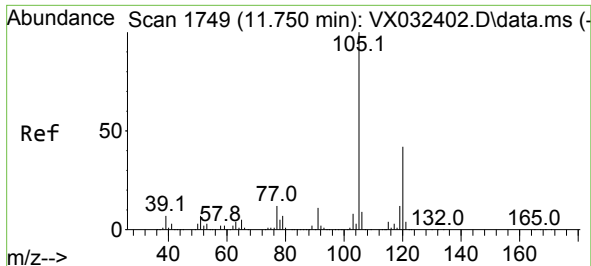
Tgt Ion: 75 Resp: 49561
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#



#83
 tert-Butylbenzene
 Concen: 0.668 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.256 min
 Lab File: VX032510.D
 Acq: 01 Nov 2022 14:02

Tgt Ion: 119 Resp: 3762
 Ion Ratio Lower Upper
 119 100
 91 29.9 29.4 88.2
 134 25.6 11.0 33.0

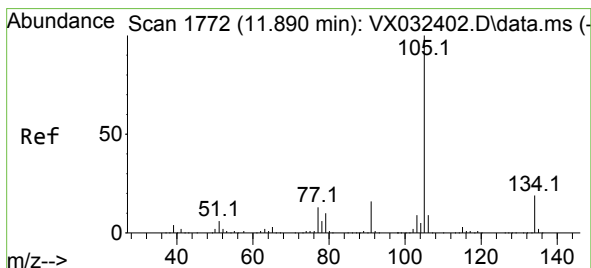
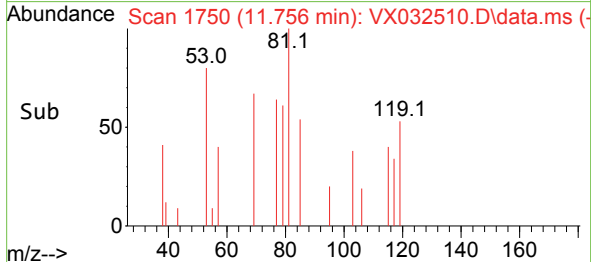
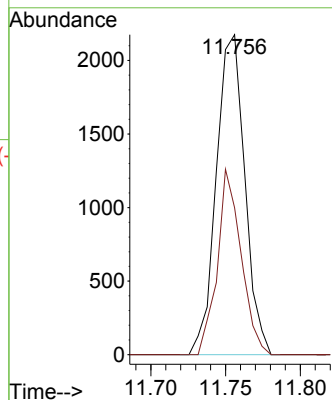
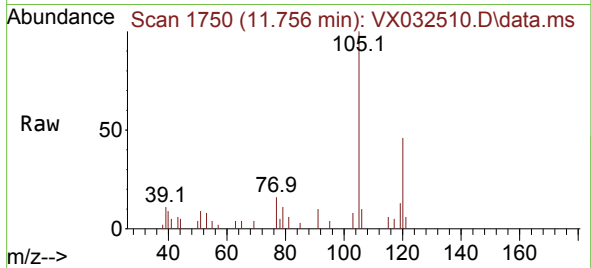




#84
1,2,4-Trimethylbenzene
Concen: 0.514 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

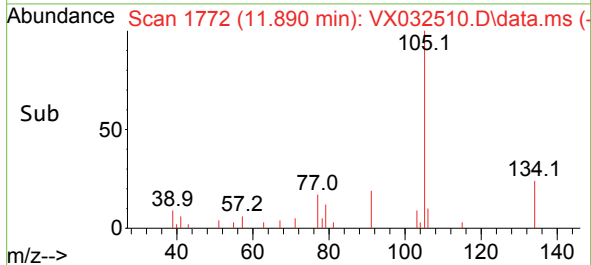
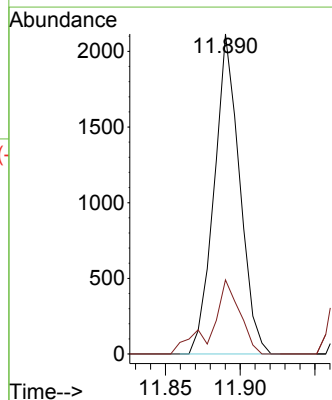
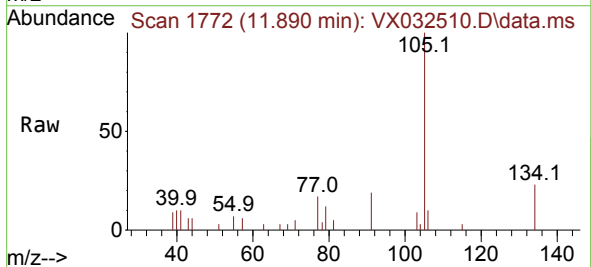
Instrument :
MSVOA_X
ClientSampleId :
31845

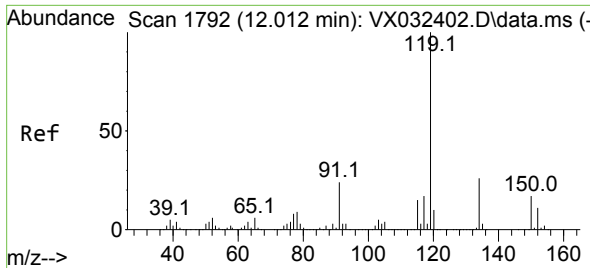
Tgt Ion:105 Resp: 2883
Ion Ratio Lower Upper
105 100
120 48.2 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.369 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion:105 Resp: 2503
Ion Ratio Lower Upper
105 100
134 25.5 9.9 29.7

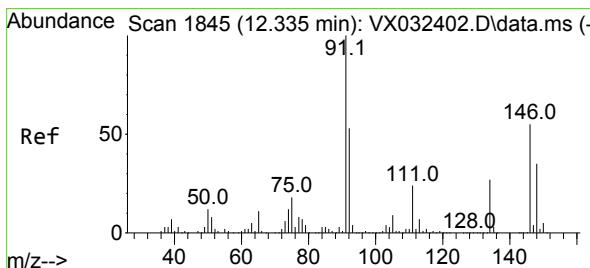
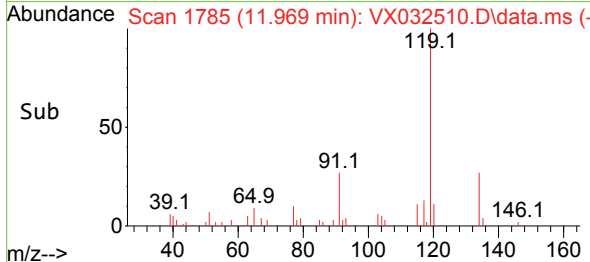
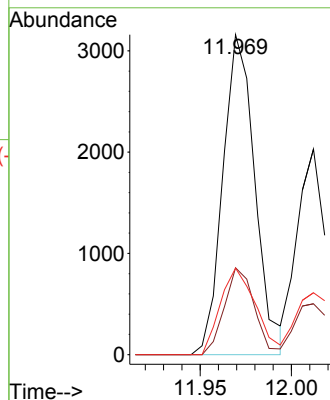
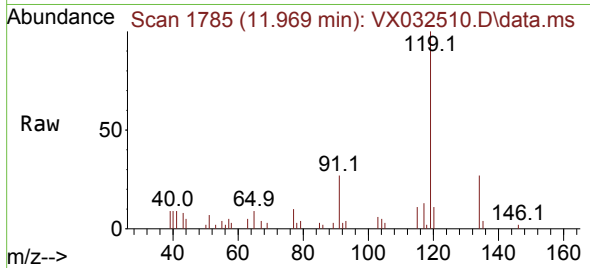




#86
p-Isopropyltoluene
Concen: 0.672 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.043 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

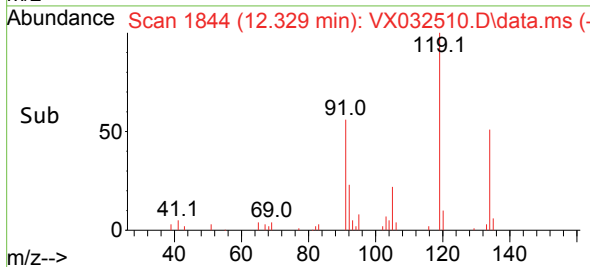
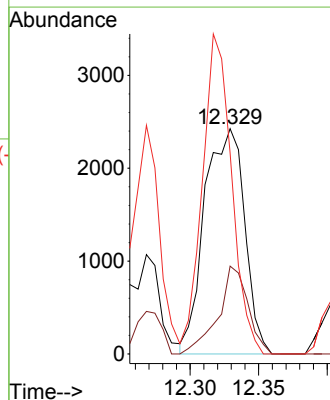
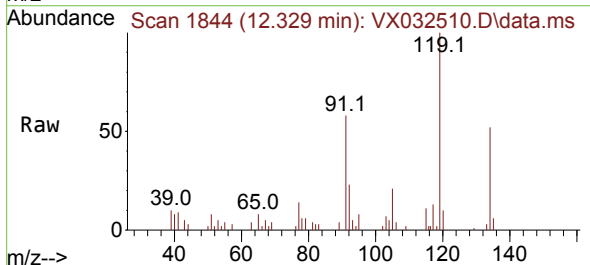
Instrument :
MSVOA_X
ClientSampleId :
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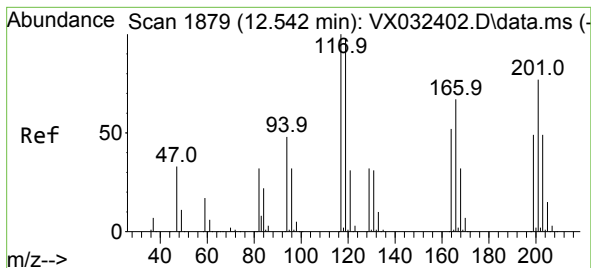
Tgt Ion:119 Resp: 3866
Ion Ratio Lower Upper
119 100
134 25.4 12.9 38.7
91 30.0 12.5 37.5



#89
n-Butylbenzene
Concen: 0.984 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX032510.D
Acq: 01 Nov 2022 14:02

Tgt Ion: 91 Resp: 4921
Ion Ratio Lower Upper
91 100
92 29.1 26.2 78.6
134 103.8 12.9 38.6#





#90

Hexachloroethane

Concen: 0.503 ug/l

RT: 12.530 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX032510.D

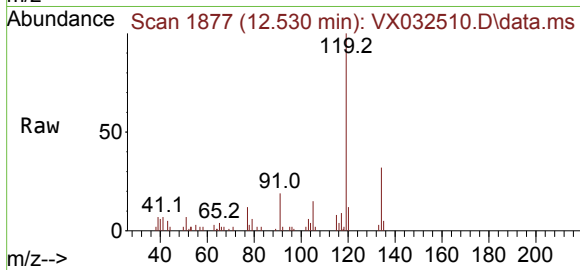
Acq: 01 Nov 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

31845



Tgt Ion:117 Resp: 472

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#

