

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032845.D
 Acq On : 16 Nov 2022 05:02
 Operator : JC/MD
 Sample : N5640-12 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Nov 16 07:05:23 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)

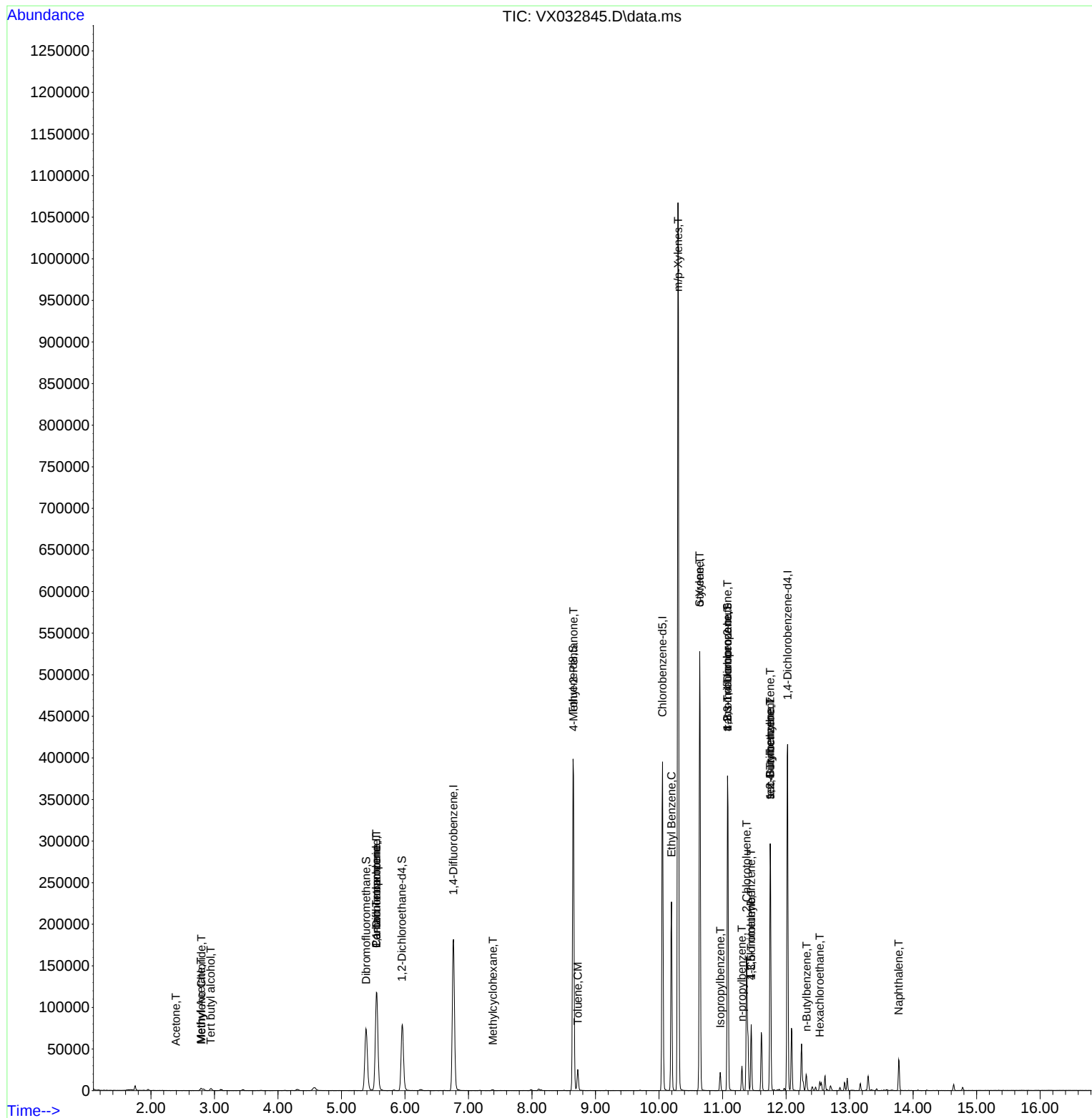
Internal Standards						
1) Pentafluorobenzene	5.550	168	114665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80173	50.321	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.640%			
35) Dibromofluoromethane	5.385	113	63897	47.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.340%			
50) Toluene-d8	8.647	98	233499	50.094	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.180%			
62) 4-Bromofluorobenzene	11.079	95	93105	51.135	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.280%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	1613	6.956	ug/l #	72
16) Acetone	2.392	43	238	0.411	ug/l #	45
18) Methyl Acetate	2.788	43	550	0.292	ug/l #	51
20) Methylene Chloride	2.794	84	1054	0.794	ug/l	97
36) 1,1-Dichloropropene	5.550	75	8550	4.580	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11682	5.642	ug/l #	15
39) Methylcyclohexane	7.385	83	566	0.256	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	1045	0.556	ug/l #	1
52) Toluene	8.720	92	9098	2.640	ug/l	100
67) Ethyl Benzene	10.195	91	126349	18.294	ug/l	100
68) m/p-Xylenes	10.299	106	237923	88.714	ug/l	99
69) o-Xylene	10.640	106	111397	42.721	ug/l	100
70) Styrene	10.640	104	5846	1.349	ug/l #	1
73) Isopropylbenzene	10.963	105	10998	1.595	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	51323	26.507	ug/l #	37
78) n-propylbenzene	11.305	91	18348	2.309	ug/l	98
79) 2-Chlorotoluene	11.378	91	13373	2.810	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	33518	5.687	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	51323	84.346	ug/l #	6
82) 4-Chlorotoluene	11.451	91	3700	0.665	ug/l #	45
83) tert-Butylbenzene	11.750	119	15335	2.606	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.750	105	128794	21.970	ug/l	100
85) sec-Butylbenzene	11.750	105	128794	18.190	ug/l #	57
89) n-Butylbenzene	12.323	91	2724	0.521	ug/l #	18
90) Hexachloroethane	12.530	117	568	0.579	ug/l #	12
95) Naphthalene	13.774	128	24103	3.528	ug/l	98

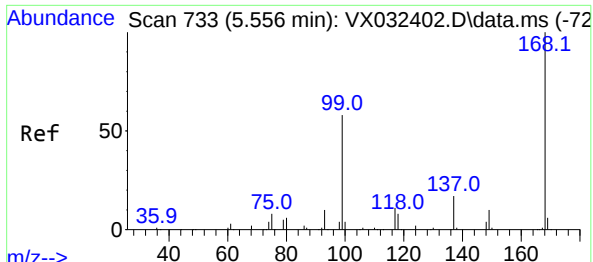
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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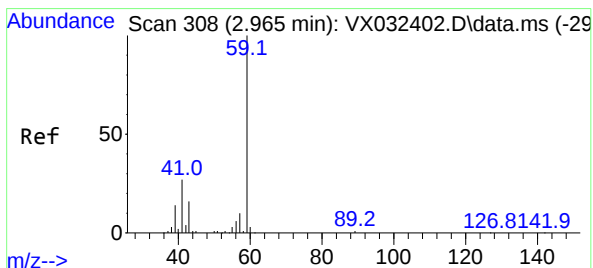
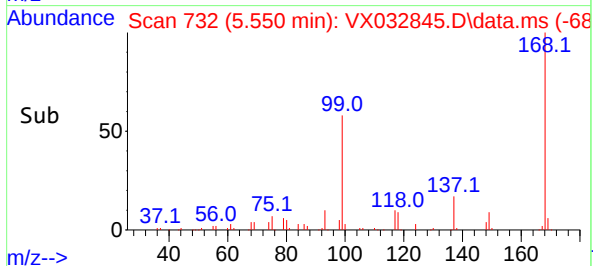
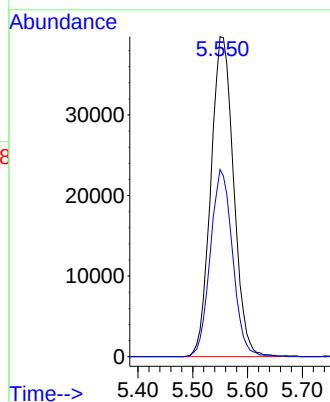
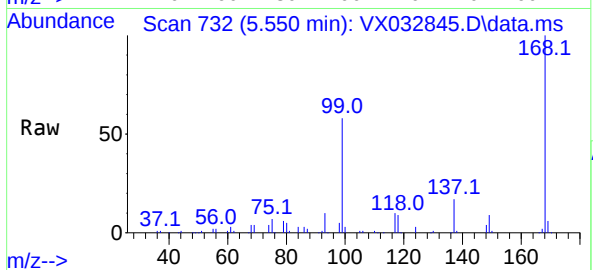




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

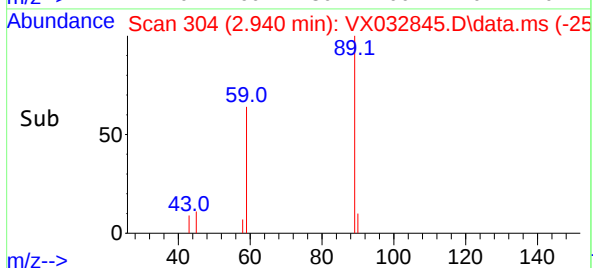
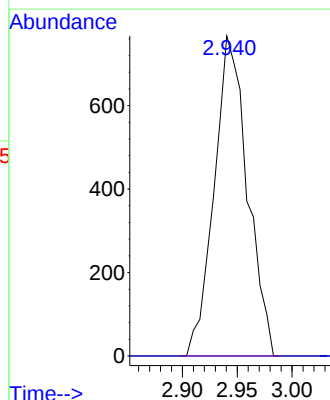
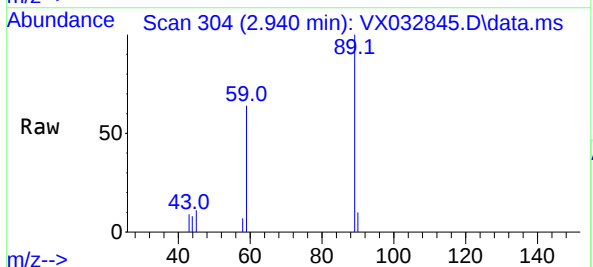
Instrument :
MSVOA_X
ClientSampleId :
MW-3

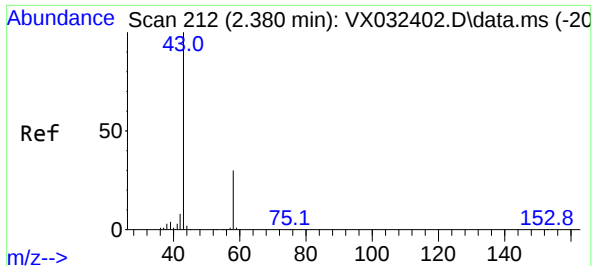
Tgt Ion:168 Resp: 114665
Ion Ratio Lower Upper
168 100
99 58.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 6.956 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 59 Resp: 1613
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

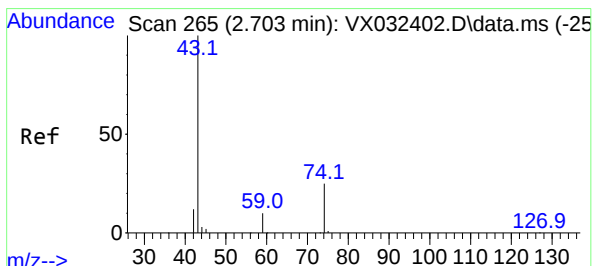
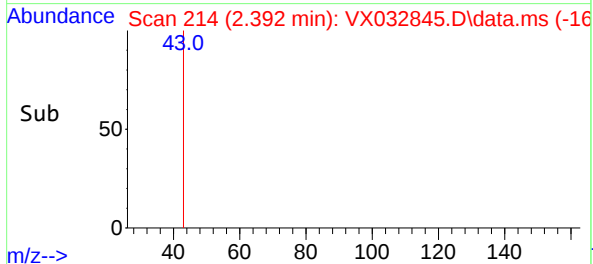
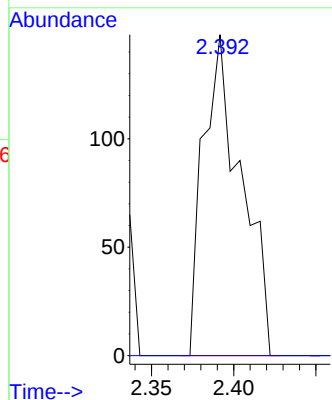
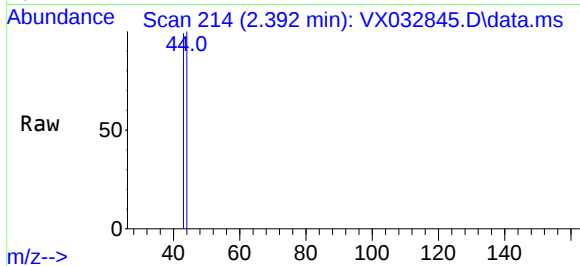




#16
Acetone
Concen: 0.411 ug/l
RT: 2.392 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

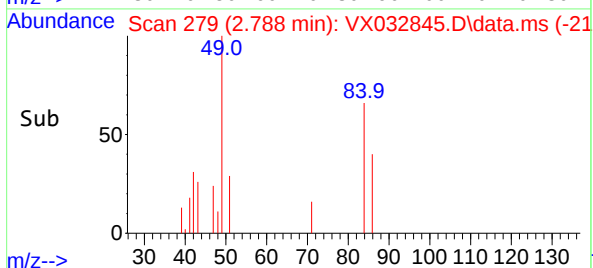
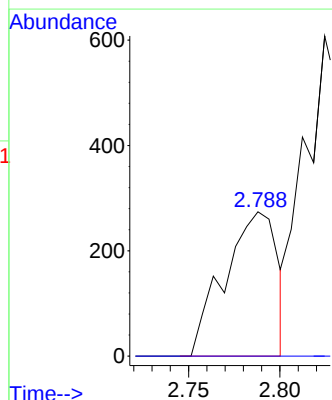
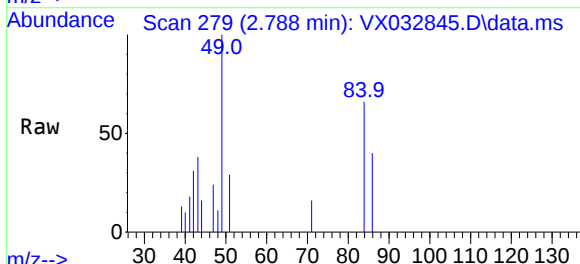
Instrument :
MSVOA_X
ClientSampleId :
MW-3

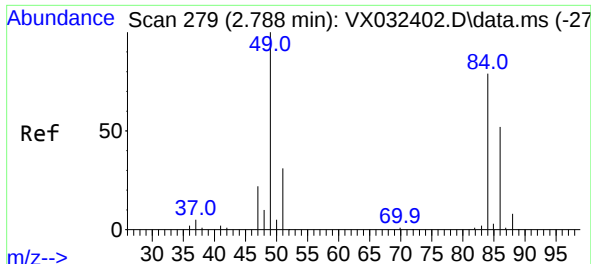
Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.085 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#



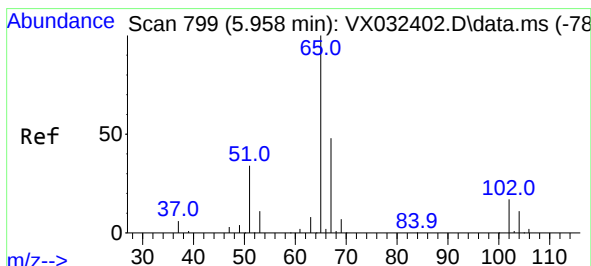
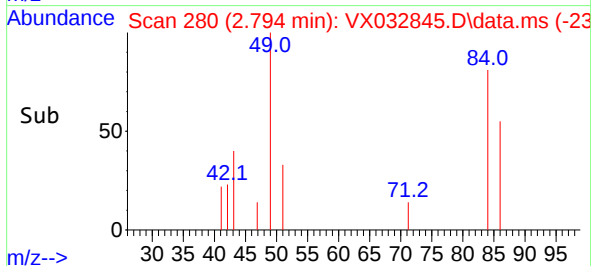
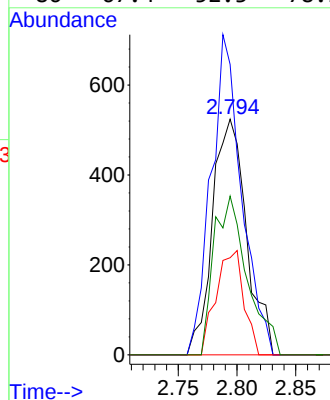
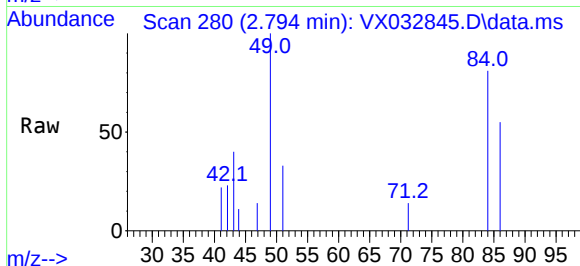


#20
Methylene Chloride
Concen: 0.794 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion: 84 Resp: 1054

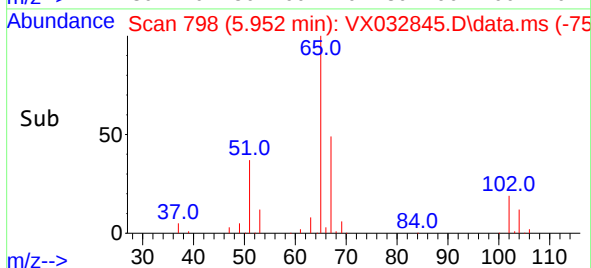
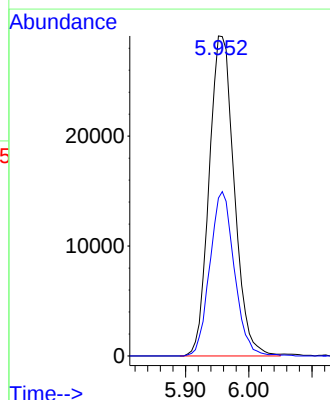
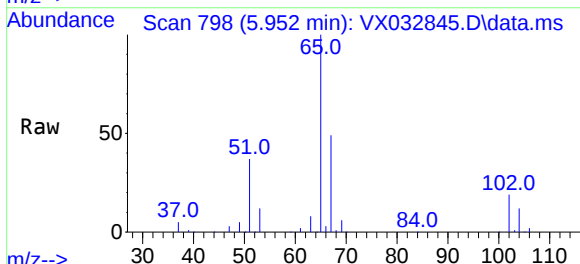
Ion	Ratio	Lower	Upper
84	100		
49	123.3	101.0	151.6
51	41.2	31.1	46.7
86	67.4	52.3	78.5

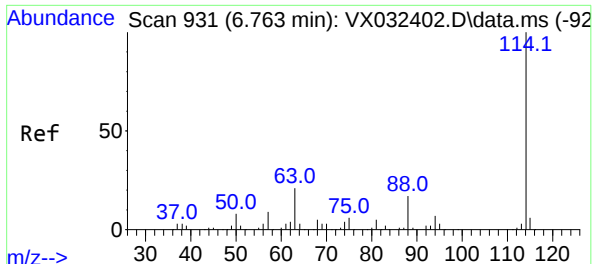


#33
1,2-Dichloroethane-d4
Concen: 50.321 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 65 Resp: 80173

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.8

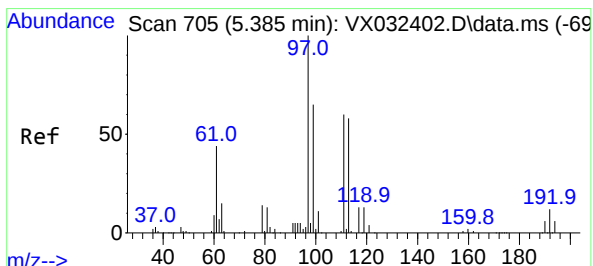
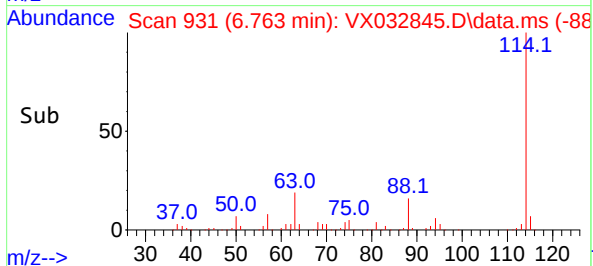
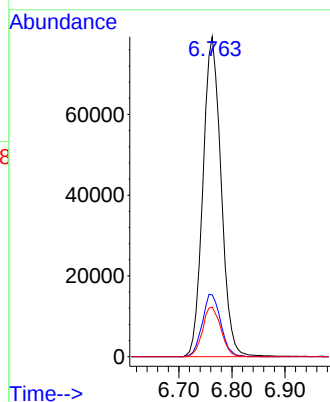
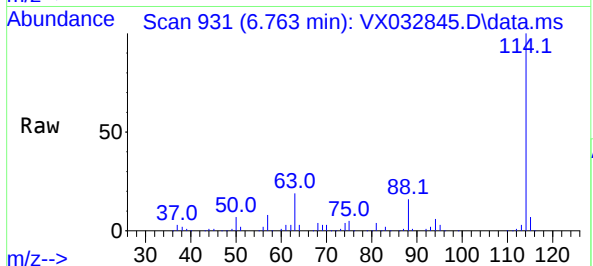




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

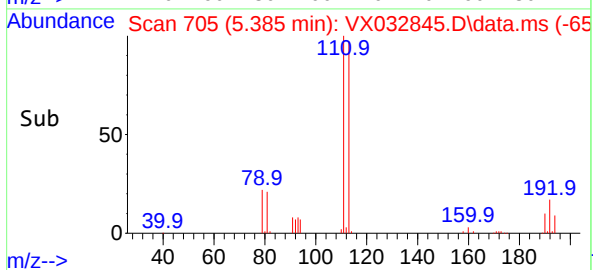
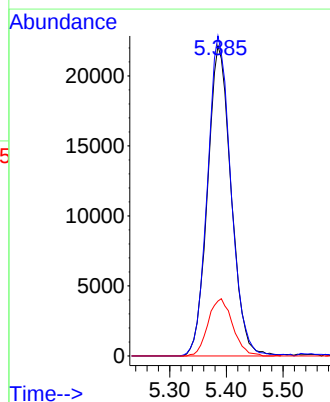
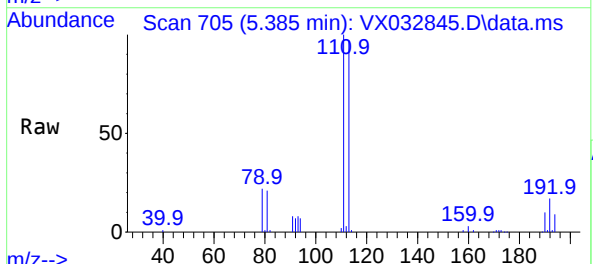
Instrument :
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ClientSampleId :
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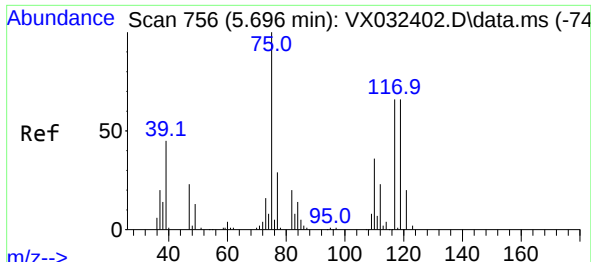
Tgt Ion:114 Resp: 187925
Ion Ratio Lower Upper
114 100
63 19.3 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.667 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion:113 Resp: 63897
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 19.3 15.4 23.2

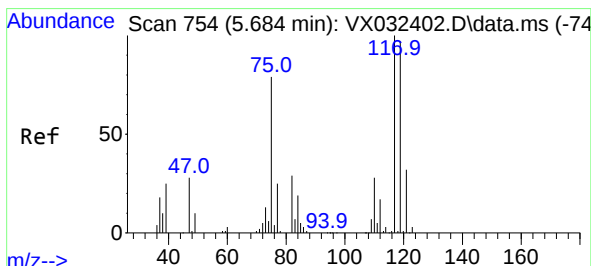
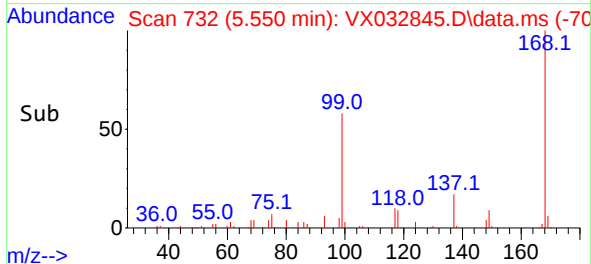
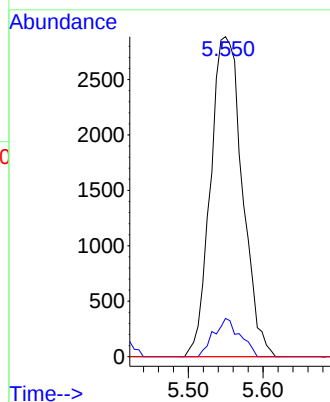
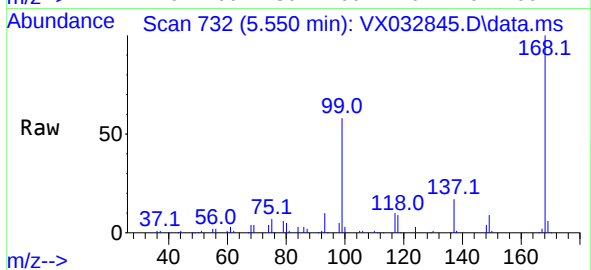




#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

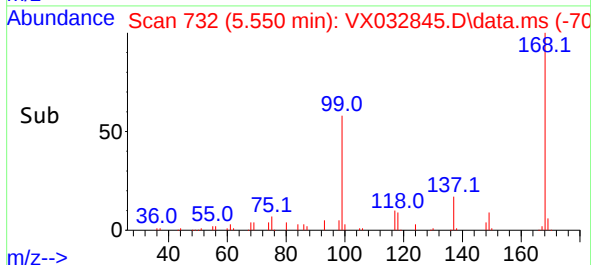
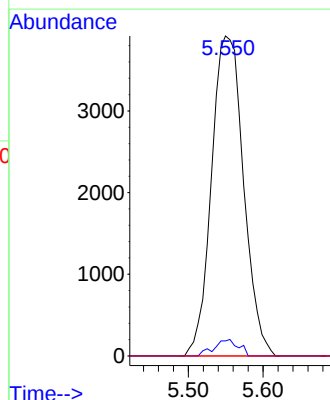
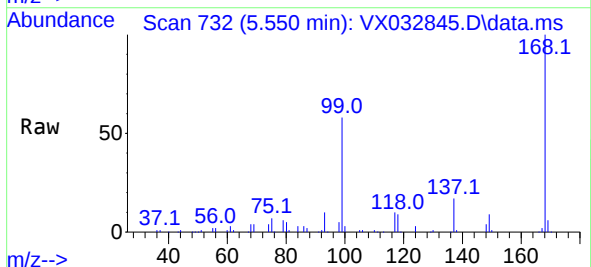
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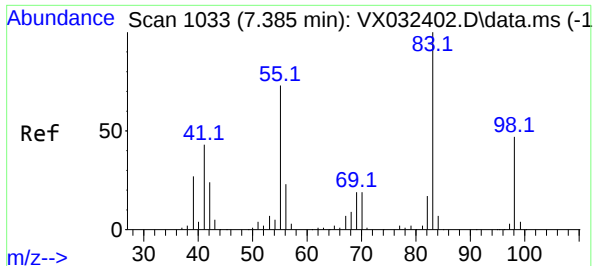
Tgt Ion: 75 Resp: 8550
Ion Ratio Lower Upper
75 100
110 9.8 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 117 Resp: 11682
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.256 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX032845.D

Acq: 16 Nov 2022 05:02

Instrument :

MSVOA_X

ClientSampleId :

MW-3

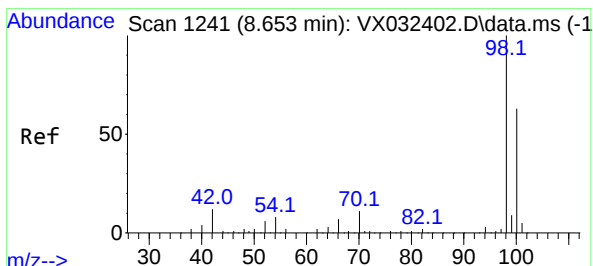
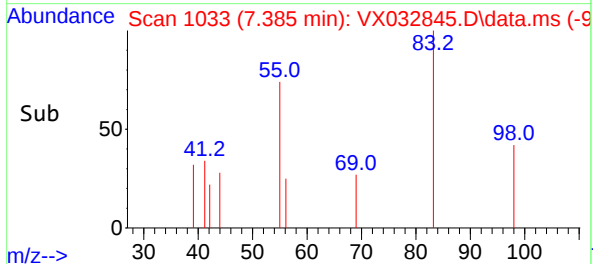
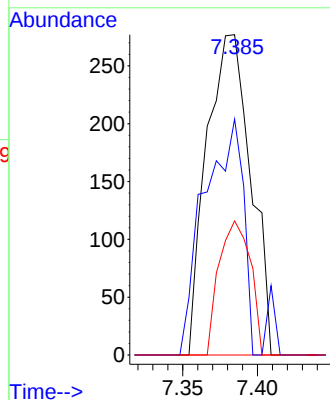
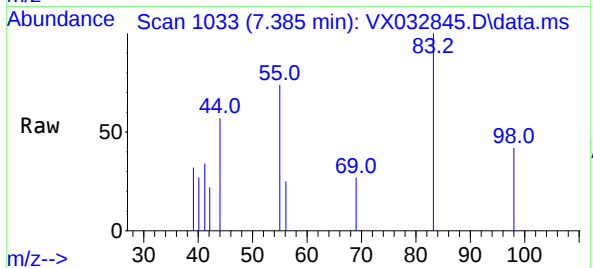
Tgt Ion: 83 Resp: 566

Ion Ratio Lower Upper

83 100

55 73.6 58.4 87.6

98 41.9 37.2 55.8



#50

Toluene-d8

Concen: 50.094 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032845.D

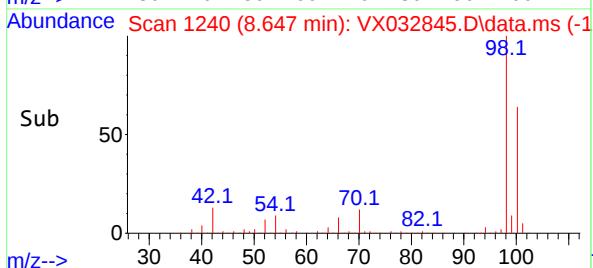
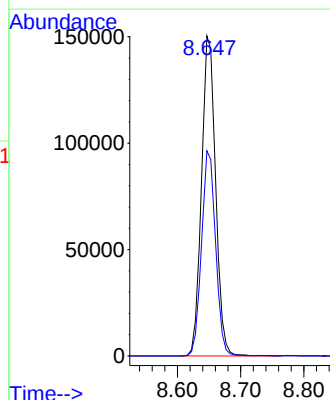
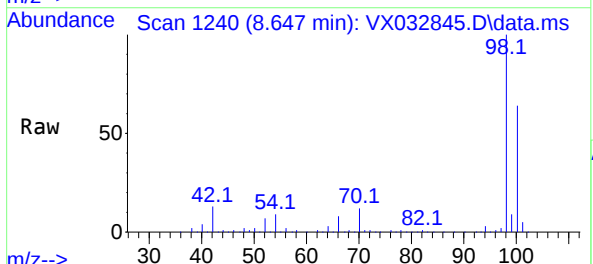
Acq: 16 Nov 2022 05:02

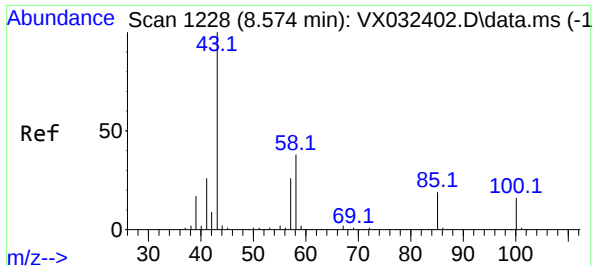
Tgt Ion: 98 Resp: 233499

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.556 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX032845.D

Acq: 16 Nov 2022 05:02

Instrument :

MSVOA_X

ClientSampleId :

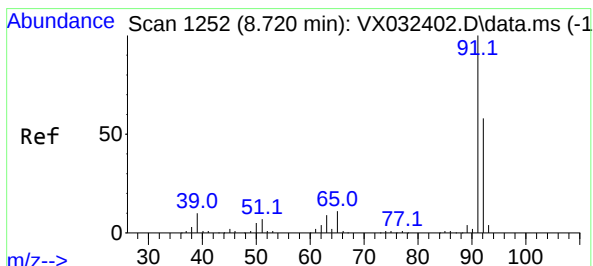
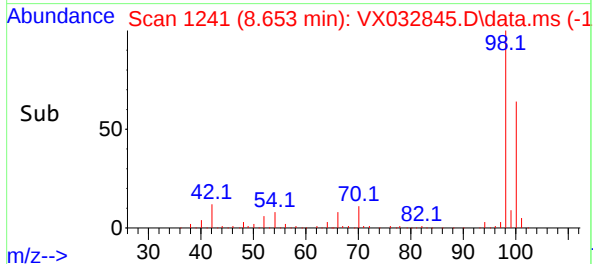
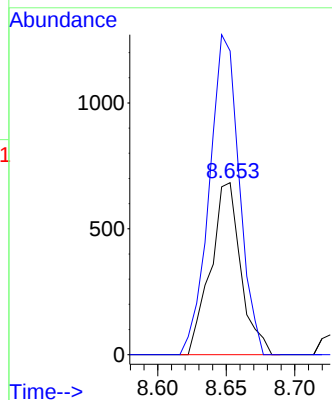
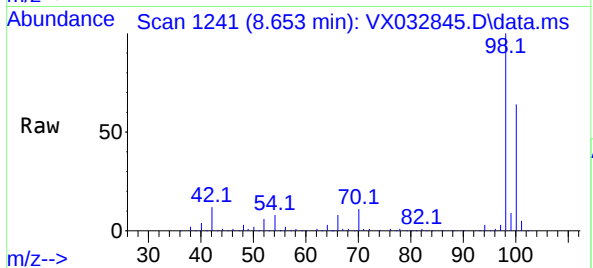
MW-3

Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

58 184.2 30.9 46.3#



#52

Toluene

Concen: 2.640 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032845.D

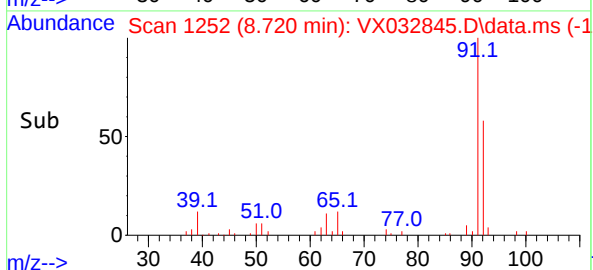
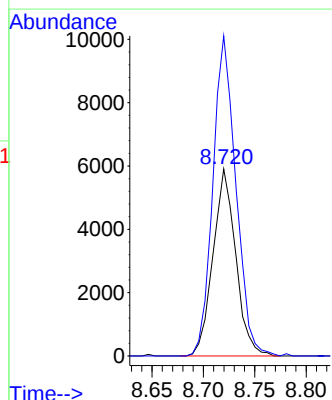
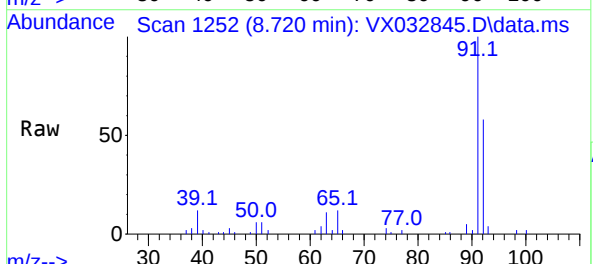
Acq: 16 Nov 2022 05:02

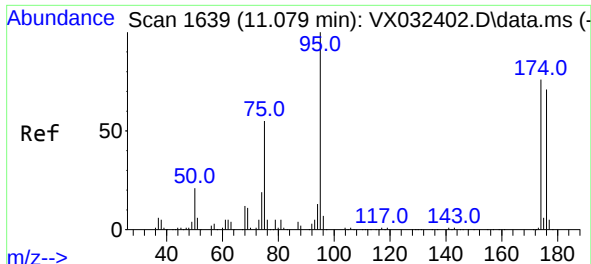
Tgt Ion: 92 Resp: 9098

Ion Ratio Lower Upper

92 100

91 173.0 138.3 207.5

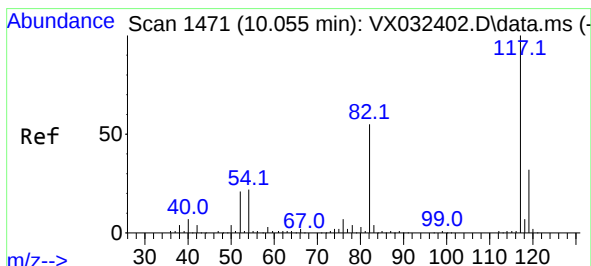
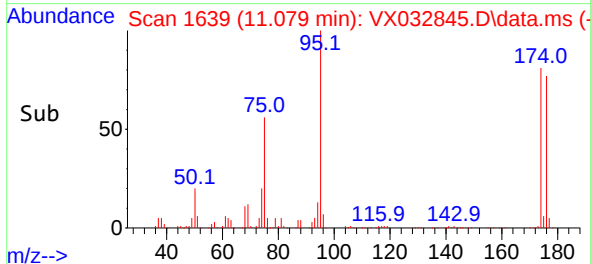
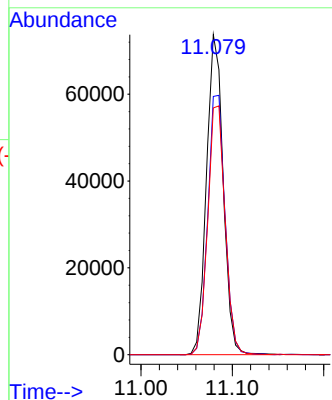
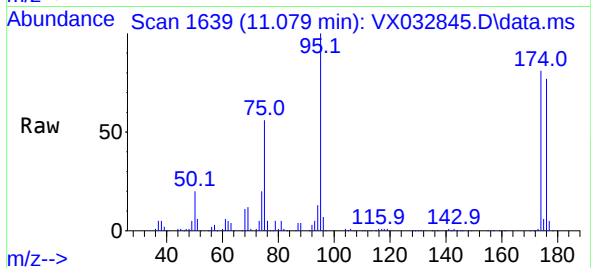




#62
4-Bromofluorobenzene
Concen: 51.135 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

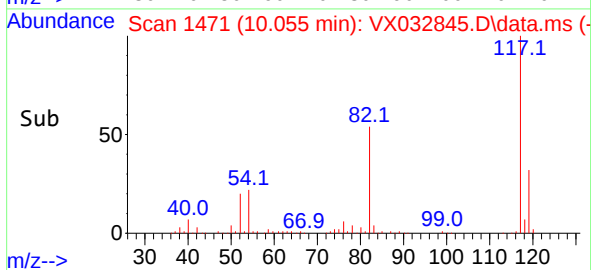
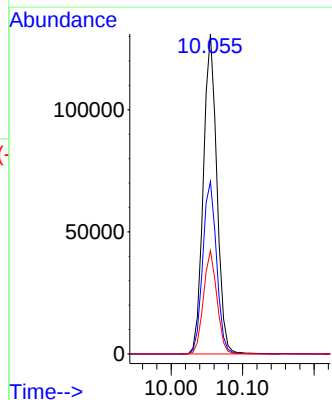
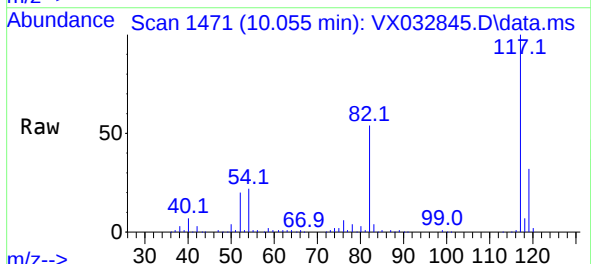
Instrument :
MSVOA_X
ClientSampleId :
MW-3

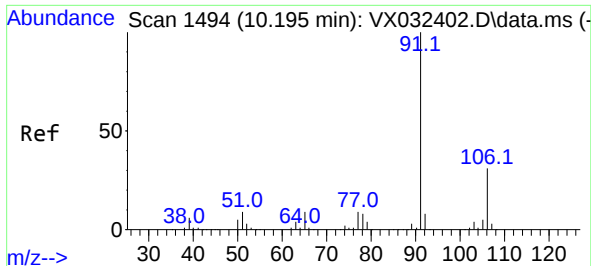
Tgt Ion: 95 Resp: 93105
Ion Ratio Lower Upper
95 100
174 83.8 0.0 164.0
176 81.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 117 Resp: 172419
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 32.3 25.7 38.5

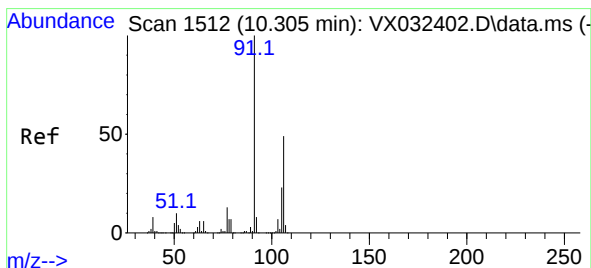
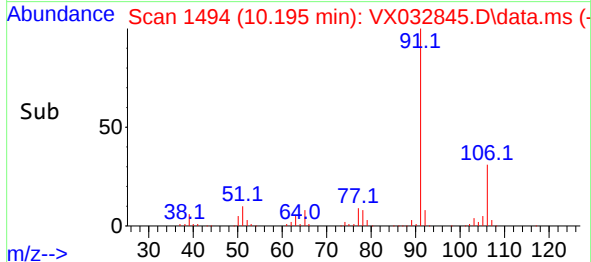
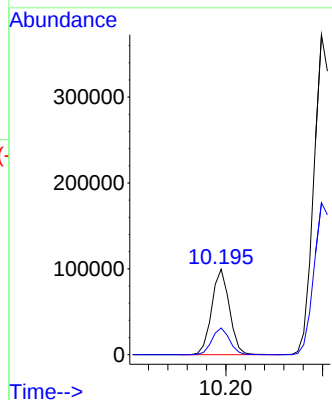
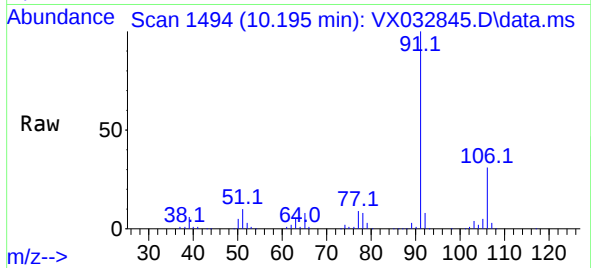




#67
Ethyl Benzene
Concen: 18.294 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

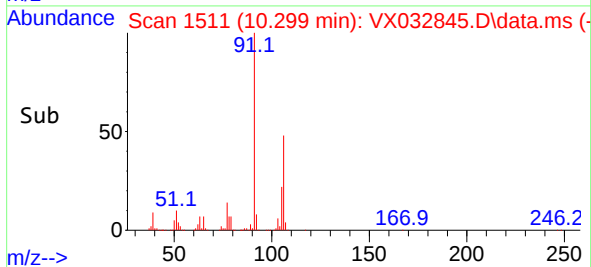
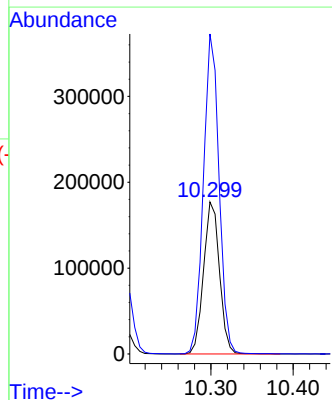
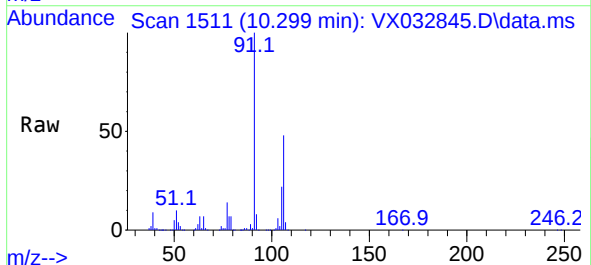
Instrument :
MSVOA_X
ClientSampleId :
MW-3

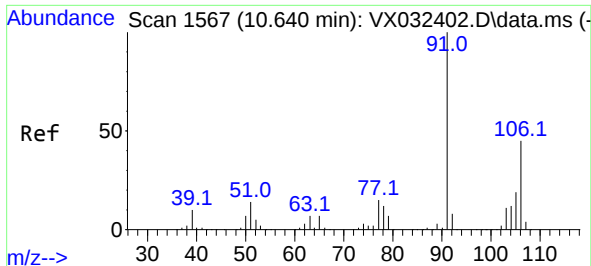
Tgt Ion: 91 Resp: 126349
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 88.714 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 106 Resp: 237923
Ion Ratio Lower Upper
106 100
91 206.5 164.5 246.7

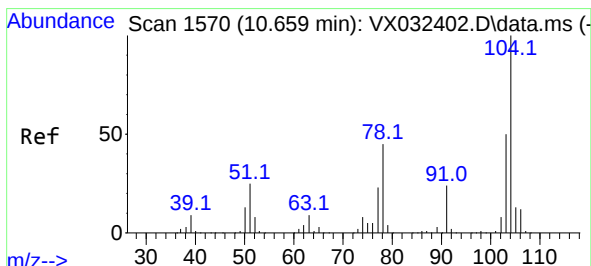
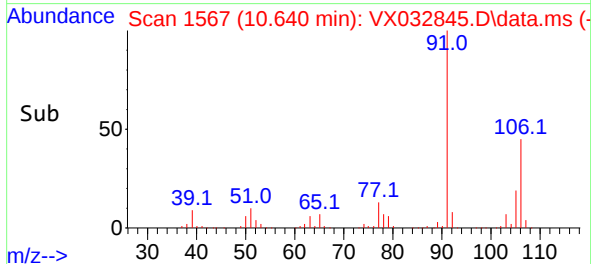
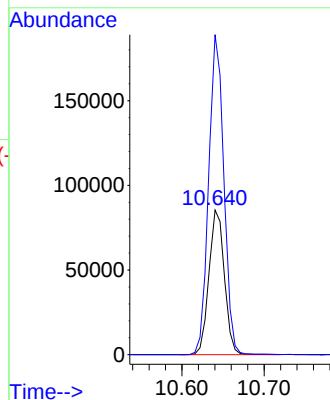
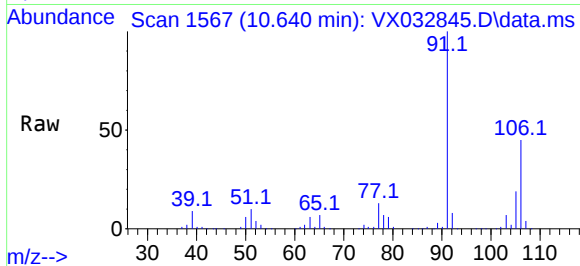




#69
o-Xylene
Concen: 42.721 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

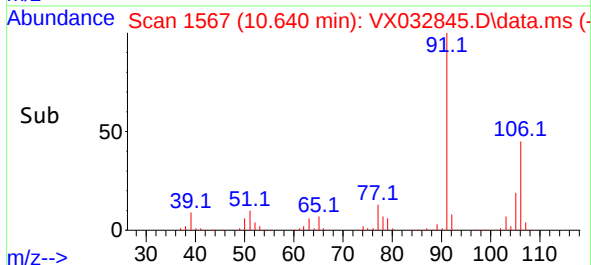
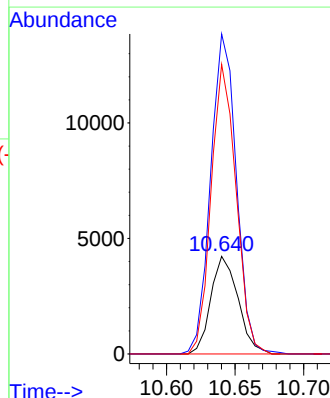
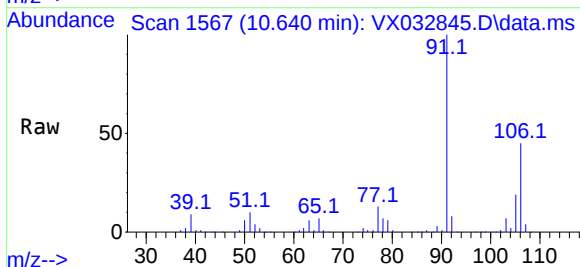
Instrument :
MSVOA_X
ClientSampleId :
MW-3

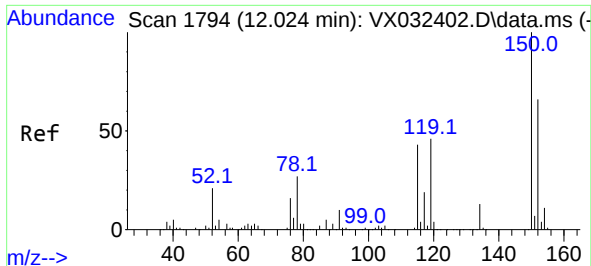
Tgt Ion:106 Resp: 111397
Ion Ratio Lower Upper
106 100
91 217.8 109.2 327.6



#70
Styrene
Concen: 1.349 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.018 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion:104 Resp: 5846
Ion Ratio Lower Upper
104 100
78 309.6 41.8 62.8#
103 271.6 44.5 66.7#

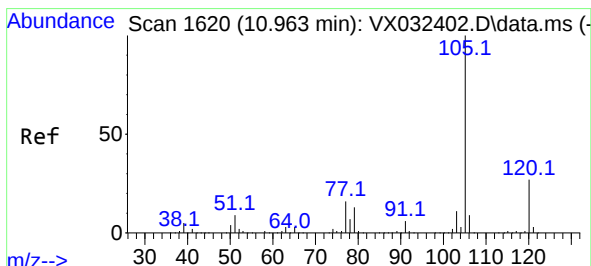
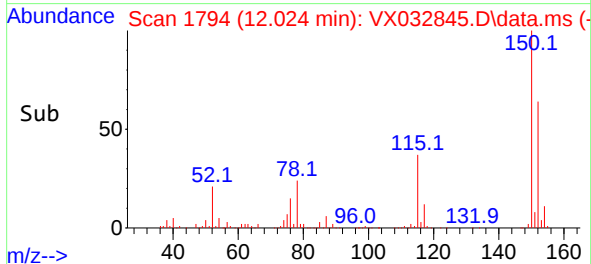
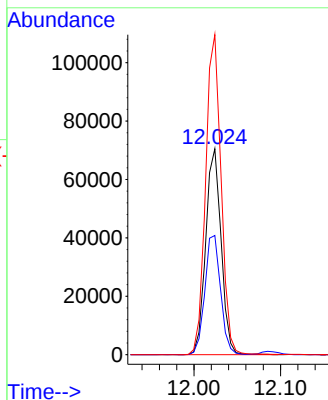
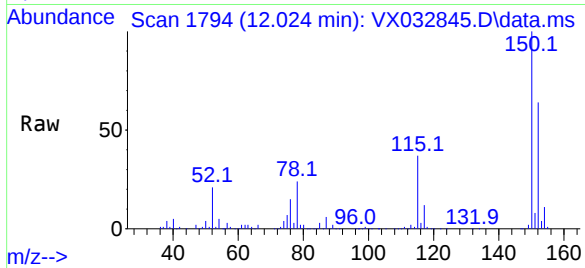




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

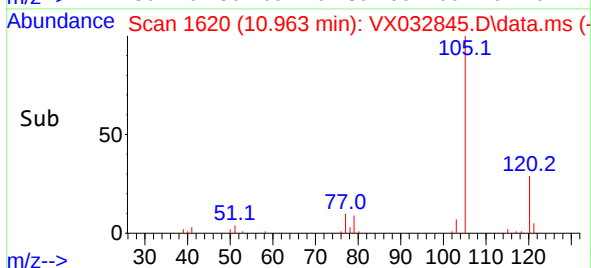
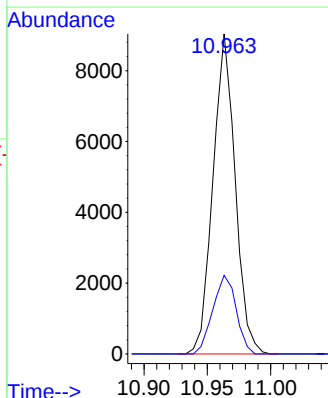
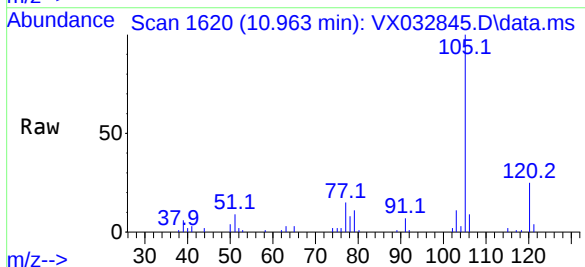
Instrument :
MSVOA_X
ClientSampleId :
MW-3

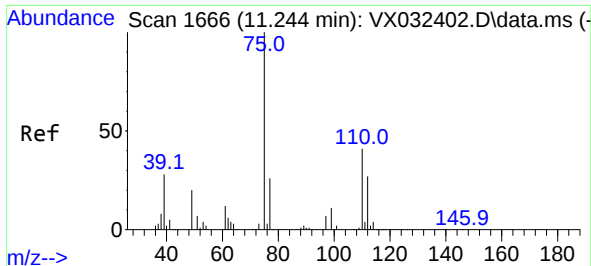
Tgt Ion:152 Resp: 87030
Ion Ratio Lower Upper
152 100
115 59.4 44.0 132.0
150 156.1 0.0 351.8



#73
Isopropylbenzene
Concen: 1.595 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion:105 Resp: 10998
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.3

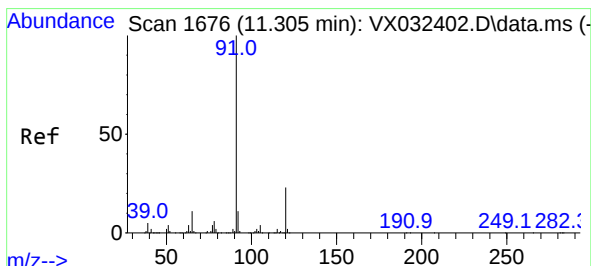
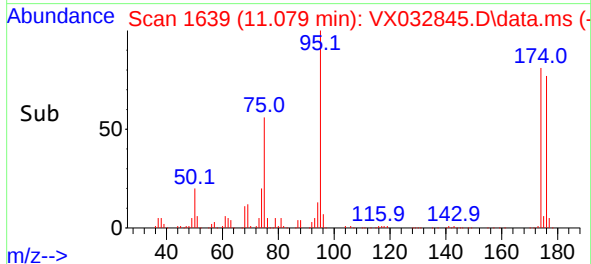
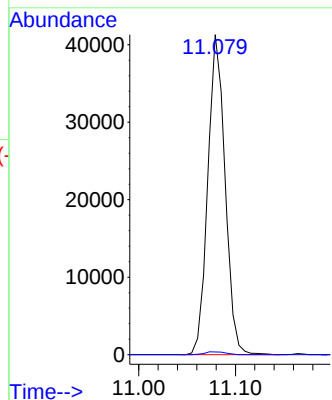
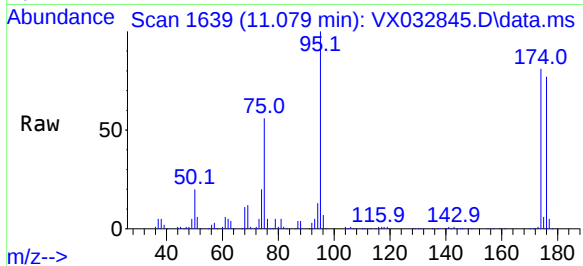




#76
1,2,3-Trichloropropane
Concen: 26.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

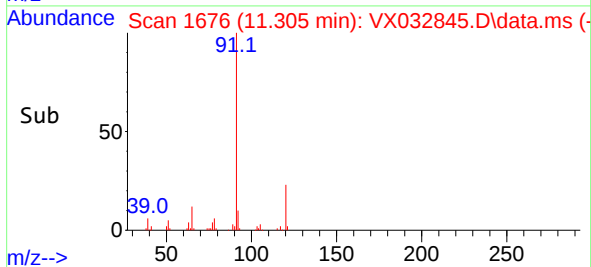
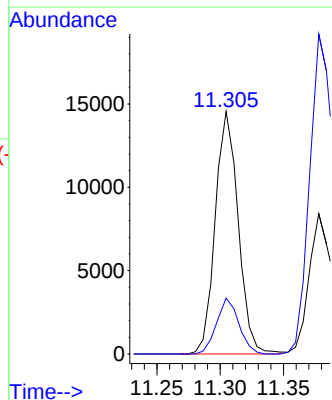
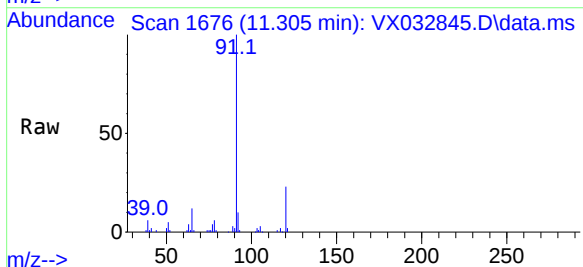
Instrument :
MSVOA_X
ClientSampleId :
MW-3

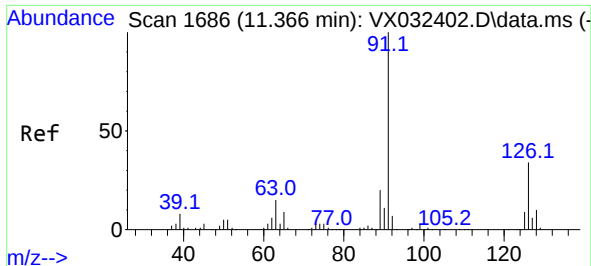
Tgt Ion: 75 Resp: 51323
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#78
n-propylbenzene
Concen: 2.309 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 91 Resp: 18348
Ion Ratio Lower Upper
91 100
120 22.3 11.6 34.8

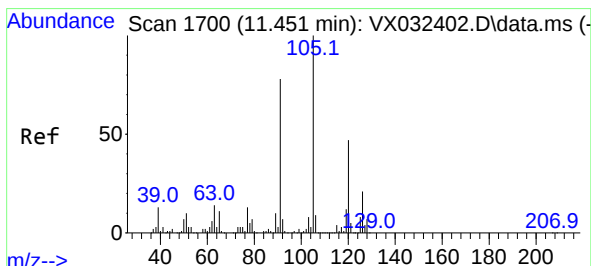
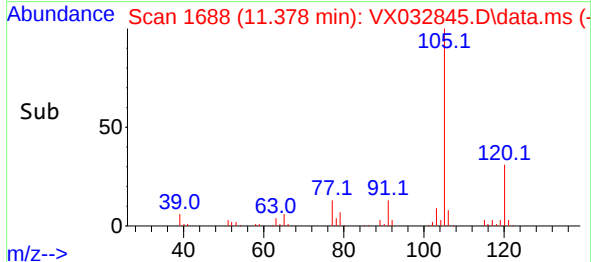
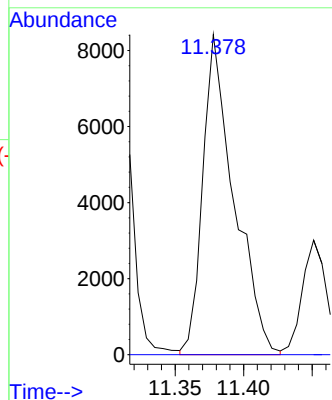
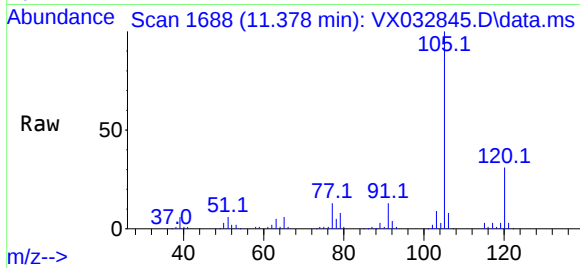




#79
2-Chlorotoluene
Concen: 2.810 ug/l
RT: 11.378 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

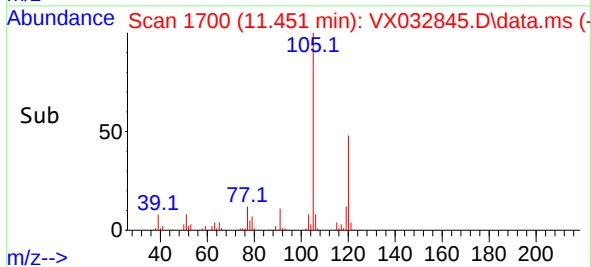
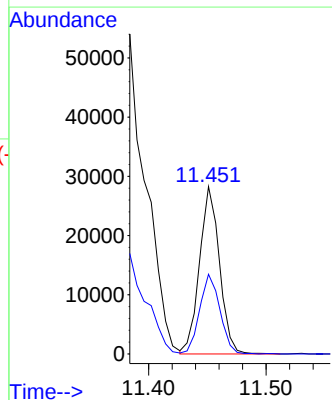
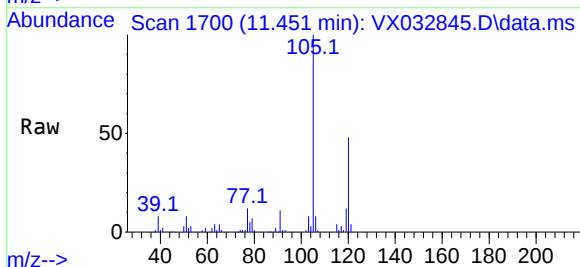
Instrument :
MSVOA_X
ClientSampleId :
MW-3

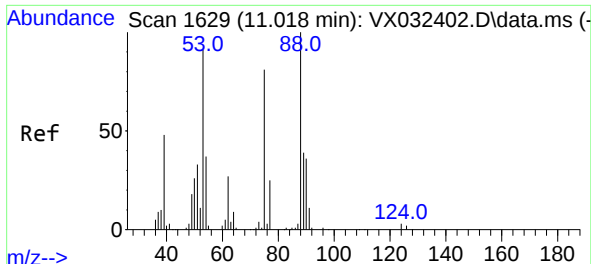
Tgt Ion: 91 Resp: 13373
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#80
1,3,5-Trimethylbenzene
Concen: 5.687 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion:105 Resp: 33518
Ion Ratio Lower Upper
105 100
120 48.1 23.6 71.0

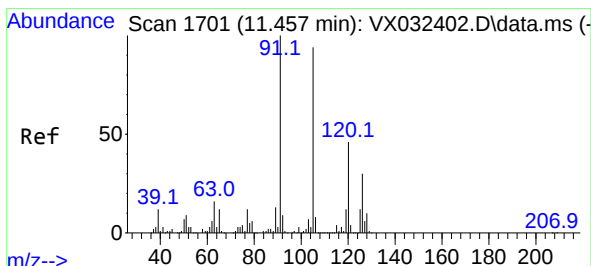
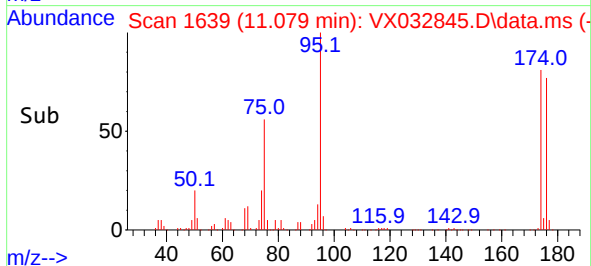
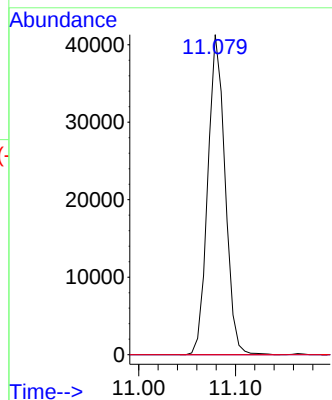
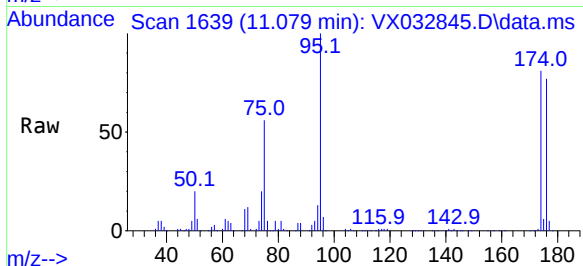




#81
trans-1,4-Dichloro-2-butene
Concen: 84.346 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

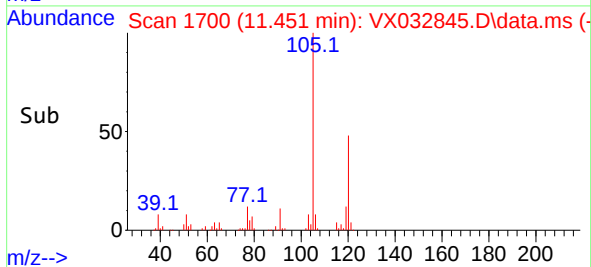
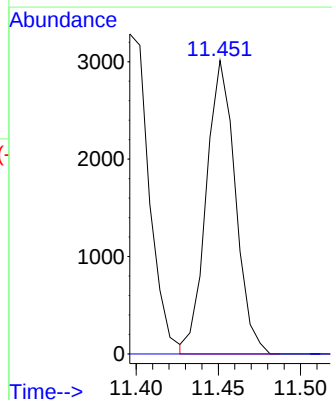
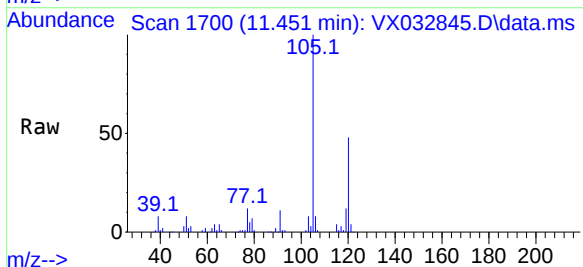
Instrument :
MSVOA_X
ClientSampleId :
MW-3

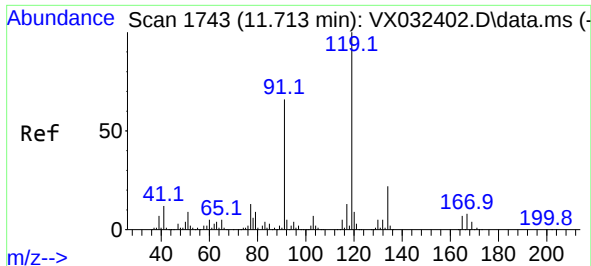
Tgt Ion: 75 Resp: 51323
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#82
4-Chlorotoluene
Concen: 0.665 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion: 91 Resp: 3700
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#

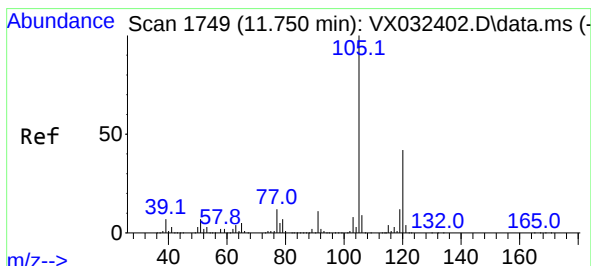
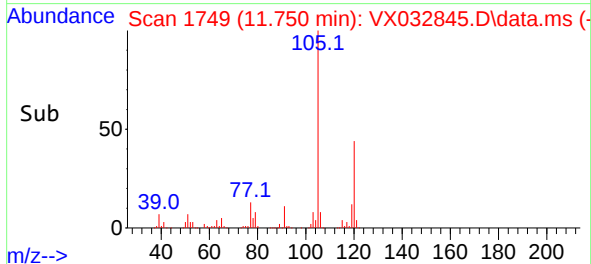
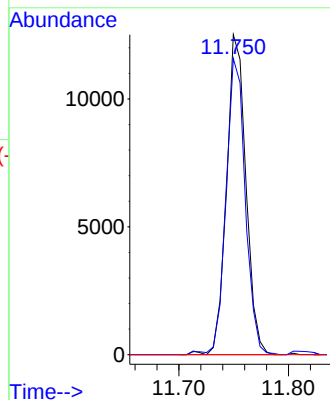
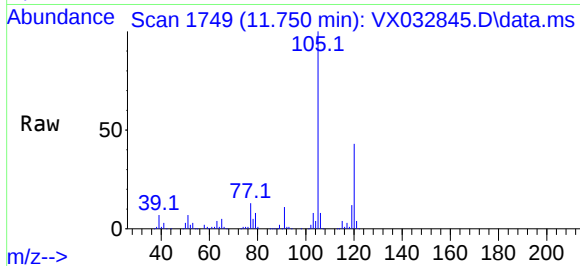




#83
tert-Butylbenzene
Concen: 2.606 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.036 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

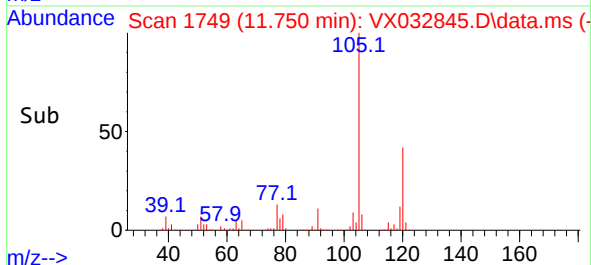
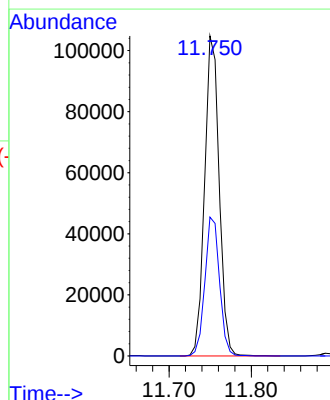
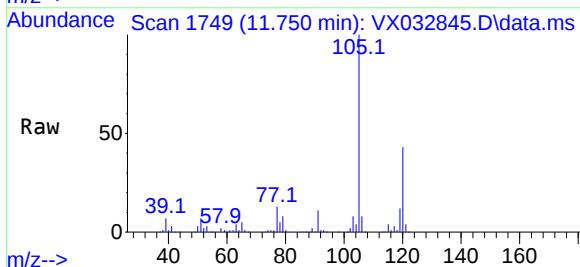
Instrument :
MSVOA_X
ClientSampleId :
MW-3

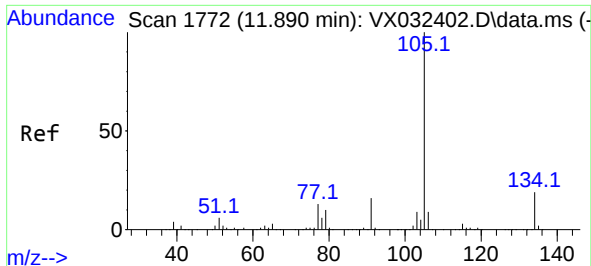
Tgt Ion:119 Resp: 15335
Ion Ratio Lower Upper
119 100
91 92.4 29.4 88.2#
134 0.0 11.0 33.0#



#84
1,2,4-Trimethylbenzene
Concen: 21.970 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion:105 Resp: 128794
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.5

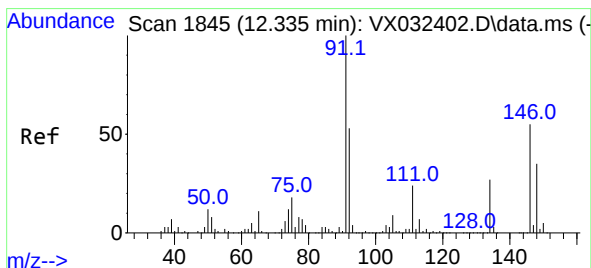
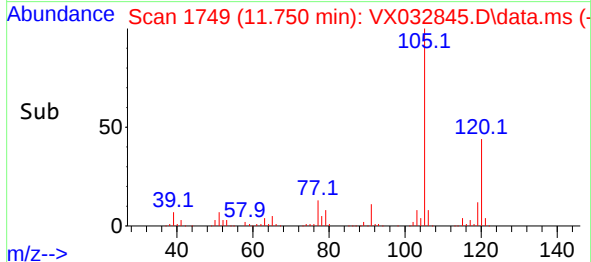
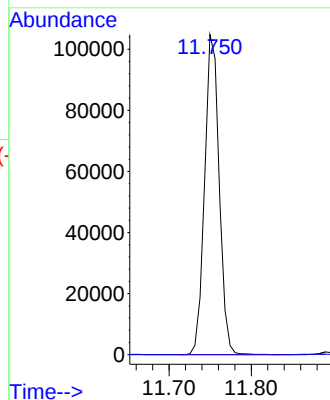
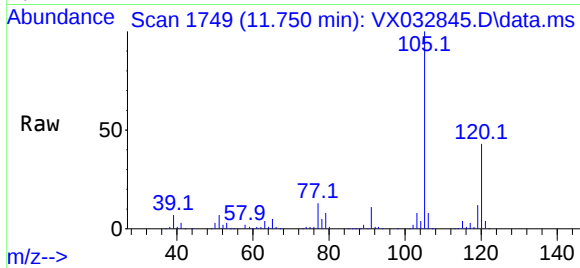




#85
 sec-Butylbenzene
 Concen: 18.190 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.140 min
 Lab File: VX032845.D
 Acq: 16 Nov 2022 05:02

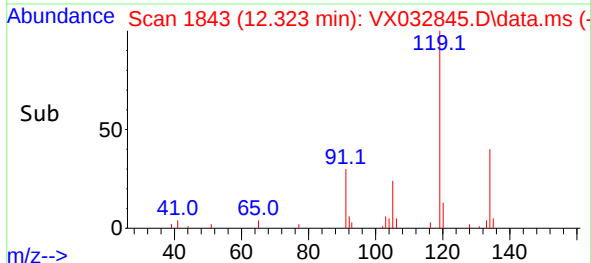
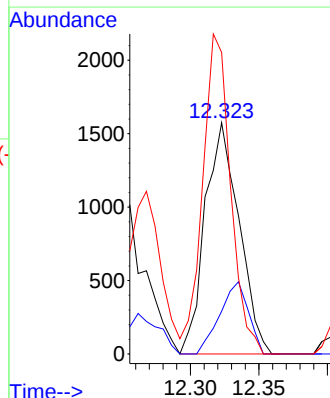
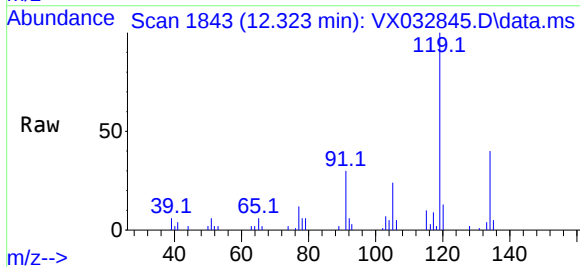
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

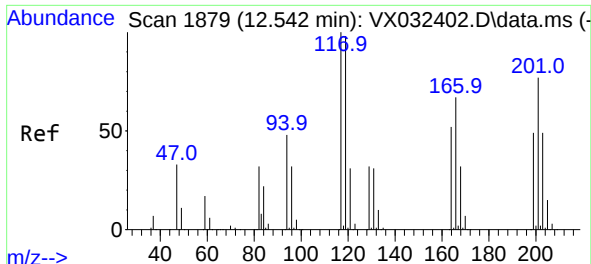
Tgt Ion:105 Resp: 128794
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#



#89
 n-Butylbenzene
 Concen: 0.521 ug/l
 RT: 12.323 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: VX032845.D
 Acq: 16 Nov 2022 05:02

Tgt Ion: 91 Resp: 2724
 Ion Ratio Lower Upper
 91 100
 92 26.2 26.2 78.6
 134 113.2 12.9 38.6#

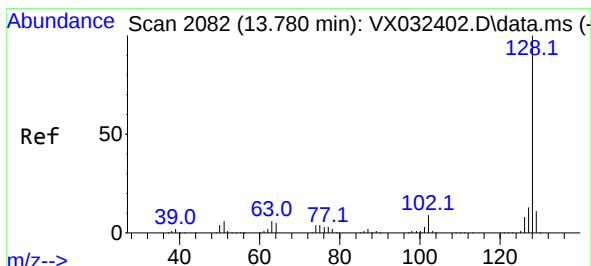
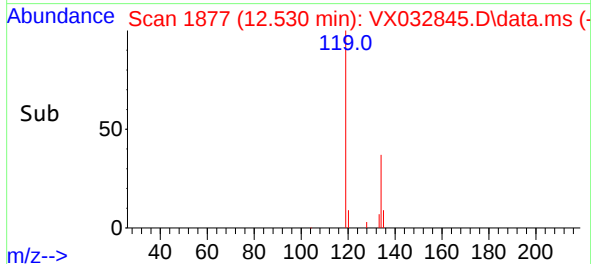
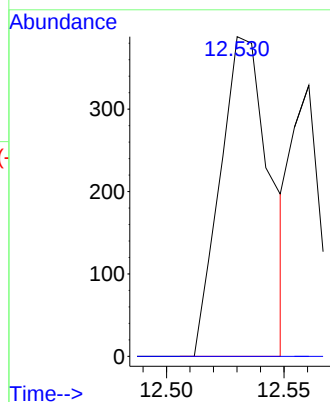
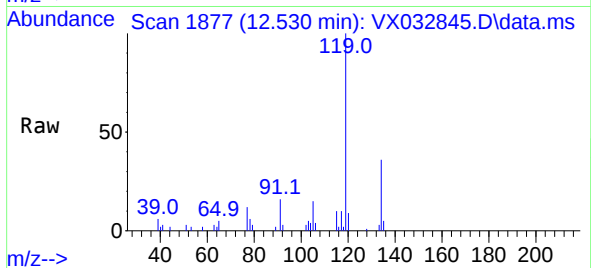




#90
Hexachloroethane
Concen: 0.579 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:117 Resp: 568
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#95
Naphthalene
Concen: 3.528 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032845.D
Acq: 16 Nov 2022 05:02

Tgt Ion:128 Resp: 24103
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 11.6 8.9 13.3

