

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032846.D
 Acq On : 16 Nov 2022 05:25
 Operator : JC/MD
 Sample : N5640-13 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 07:05:34 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

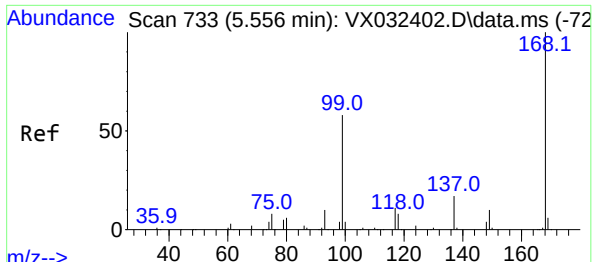
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	105326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73115	49.960	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.920%		
35) Dibromofluoromethane	5.385	113	58979	47.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.200%		
50) Toluene-d8	8.647	98	217562	49.971	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	84875	49.906	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.820%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	1472	6.911	ug/l #	72
14) Allyl chloride	2.776	41	450	0.267	ug/l #	67
16) Acetone	2.398	43	314	0.590	ug/l #	45
18) Methyl Acetate	2.782	43	875	0.506	ug/l #	51
20) Methylene Chloride	2.794	84	1250	1.025	ug/l #	80
31) Cyclohexane	5.470	56	469	0.264	ug/l #	70
36) 1,1-Dichloropropene	5.550	75	8150	4.674	ug/l #	50
38) Carbon Tetrachloride	5.550	117	10945	5.660	ug/l #	15
39) Methylcyclohexane	7.379	83	1757	0.852	ug/l #	87
51) 4-Methyl-2-Pentanone	8.647	43	980	0.558	ug/l #	1
52) Toluene	8.720	92	13139	4.082	ug/l	99
67) Ethyl Benzene	10.195	91	103765	16.412	ug/l	99
68) m/p-Xylenes	10.299	106	112331	45.754	ug/l	100
69) o-Xylene	10.640	106	20761	8.697	ug/l	99
70) Styrene	10.640	104	1161	0.293	ug/l #	1
73) Isopropylbenzene	10.963	105	16109	2.597	ug/l	99
76) 1,2,3-Trichloropropane	11.378	75	1939	1.113	ug/l #	1
78) n-propylbenzene	11.305	91	40249	5.632	ug/l	98
79) 2-Chlorotoluene	11.378	91	24871	5.811	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	67482	12.729	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	45969	83.993	ug/l #	6
82) 4-Chlorotoluene	11.451	91	7827	1.563	ug/l #	45
83) tert-Butylbenzene	11.750	119	28937	5.467	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.750	105	241590	45.818	ug/l	99
85) sec-Butylbenzene	11.750	105	241590	37.934	ug/l #	57
86) p-Isopropyltoluene	11.969	119	2404	0.445	ug/l #	74
89) n-Butylbenzene	12.317	91	4483	0.954	ug/l #	14
90) Hexachloroethane	12.616	117	1707	1.934	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.957	75	111	0.254	ug/l #	1
95) Naphthalene	13.774	128	43395	7.061	ug/l	99

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

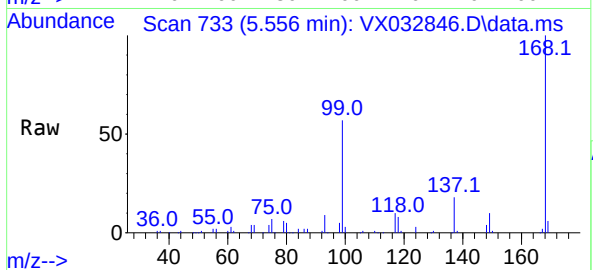
Quant Time: Nov 16 07:05:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration



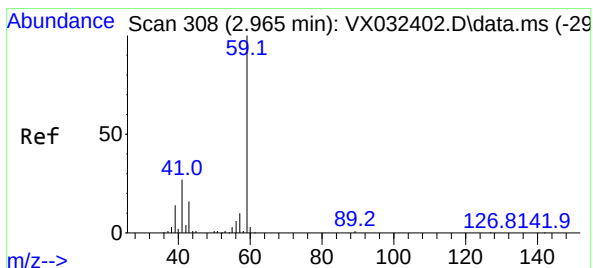
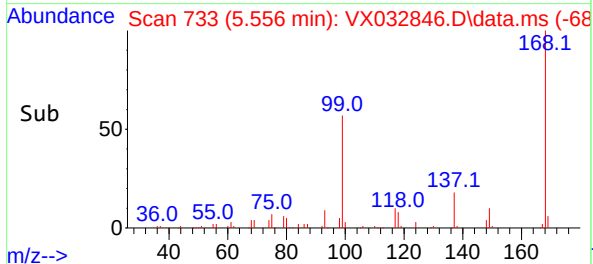
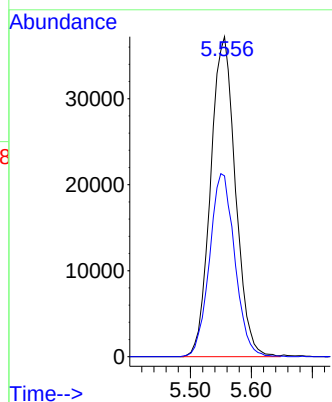


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :

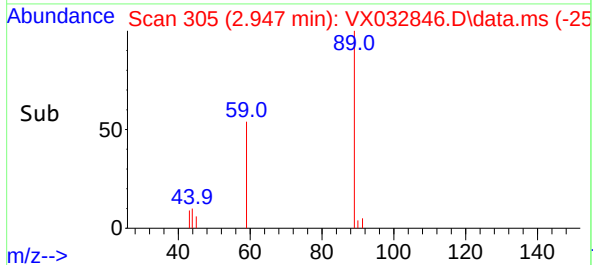
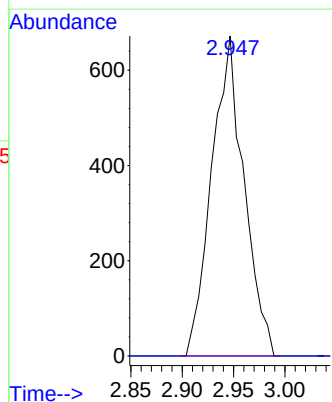
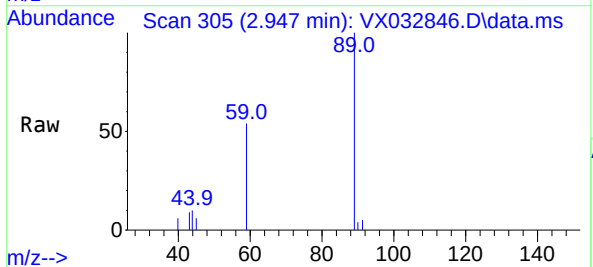


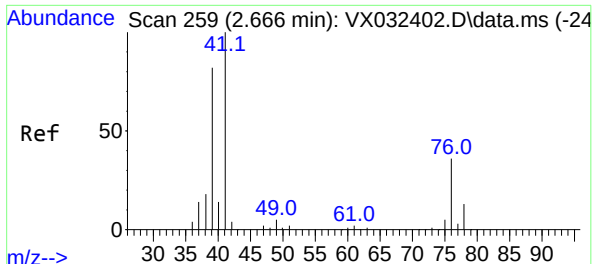
Tgt Ion:168 Resp: 105326
Ion Ratio Lower Upper
168 100
99 56.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 6.911 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 59 Resp: 1472
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#14

Allyl chloride

Concen: 0.267 ug/l

RT: 2.776 min Scan# 21

Delta R.T. 0.110 min

Lab File: VX032846.D

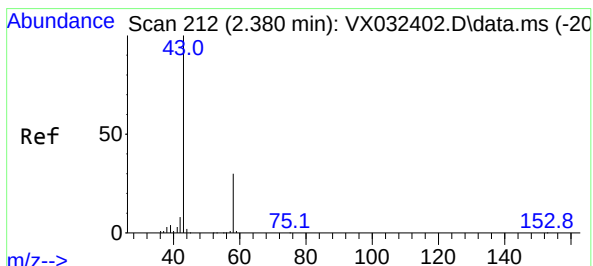
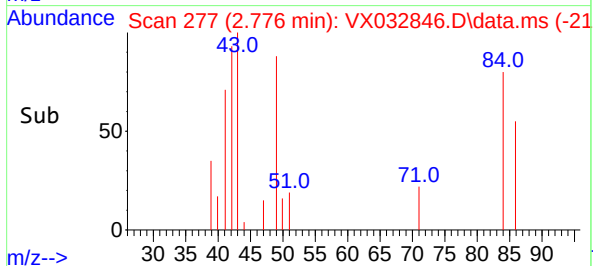
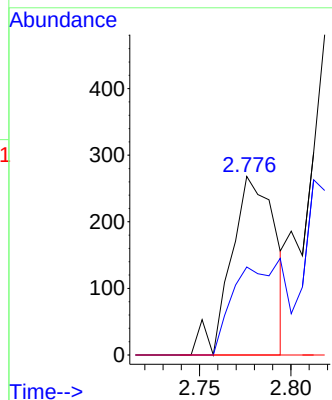
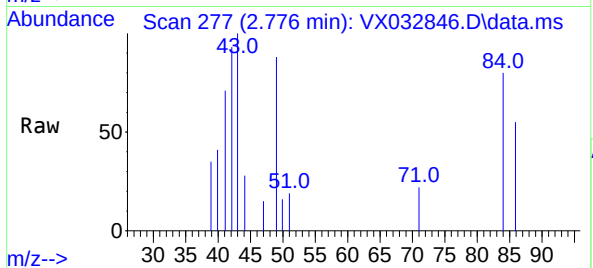
Acq: 16 Nov 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41	Resp: 450
Ion Ratio	Lower Upper
41	100
39	60.4 61.4 92.2#
76	0.0 29.2 43.8#



#16

Acetone

Concen: 0.590 ug/l

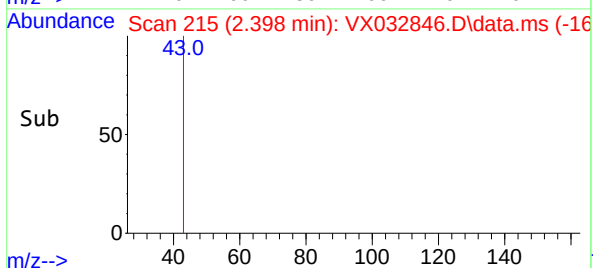
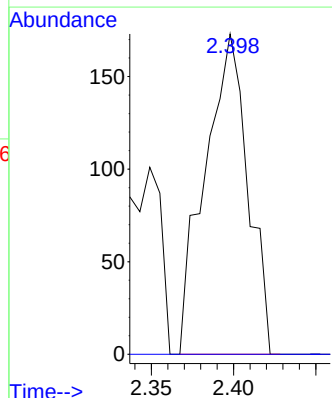
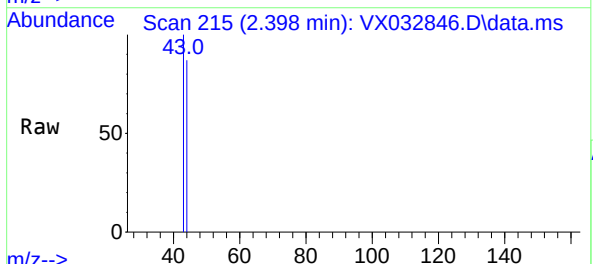
RT: 2.398 min Scan# 215

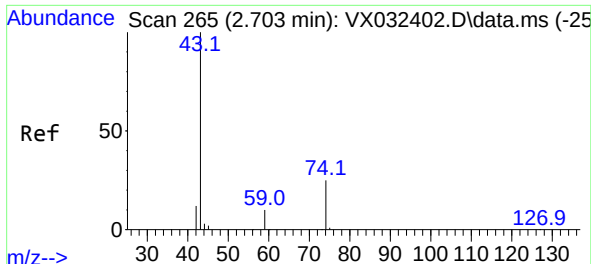
Delta R.T. 0.018 min

Lab File: VX032846.D

Acq: 16 Nov 2022 05:25

Tgt Ion: 43	Resp: 314
Ion Ratio	Lower Upper
43	100
58	0.0 23.8 35.8#

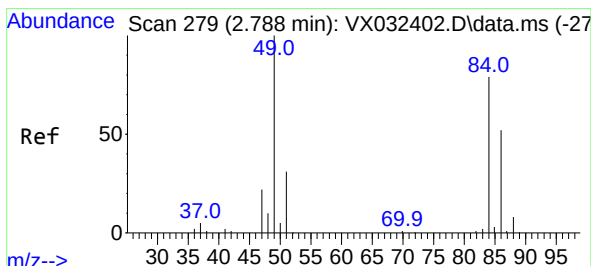
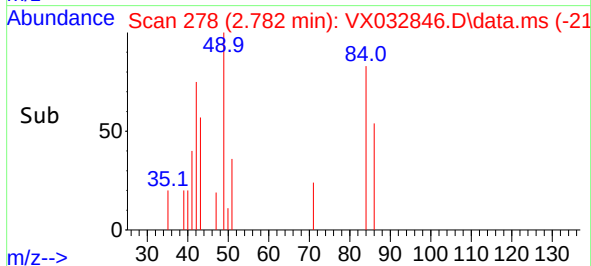
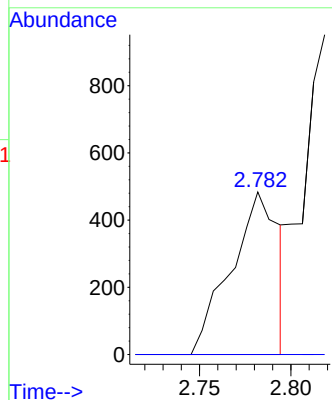
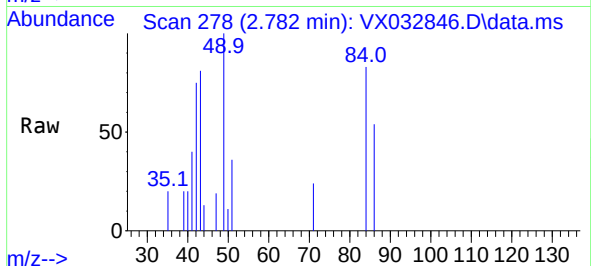




#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.079 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

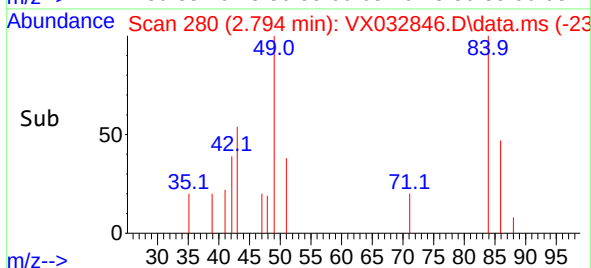
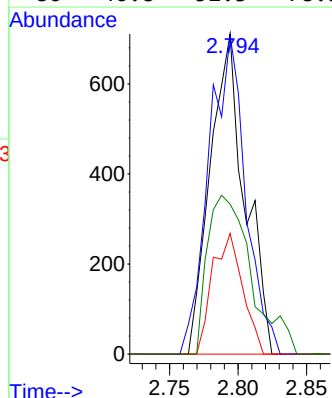
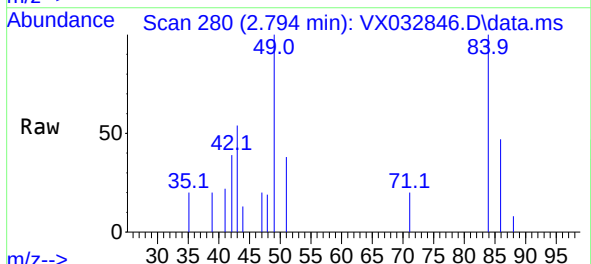
Instrument :
MSVOA_X
ClientSampleId :

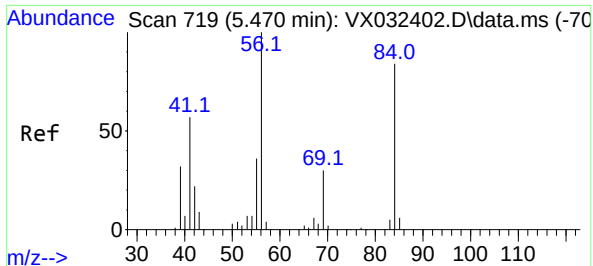
Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#



#20
Methylene Chloride
Concen: 1.025 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

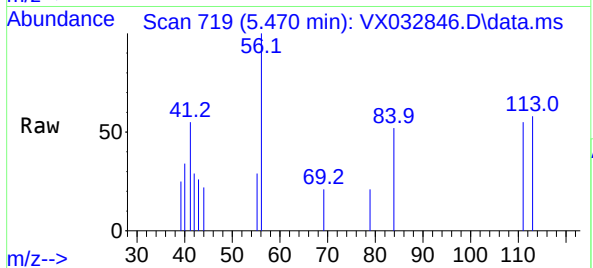
Tgt Ion: 84 Resp: 1250
Ion Ratio Lower Upper
84 100
49 99.7 101.0 151.6#
51 37.7 31.1 46.7
86 46.8 52.3 78.5#



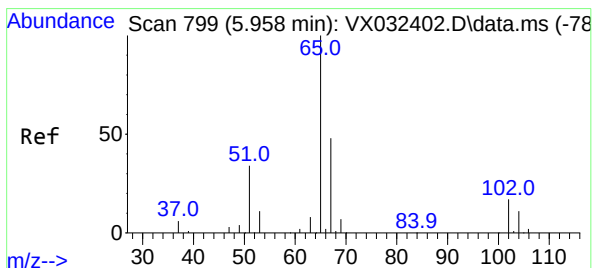
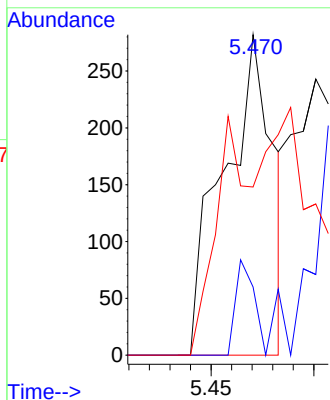
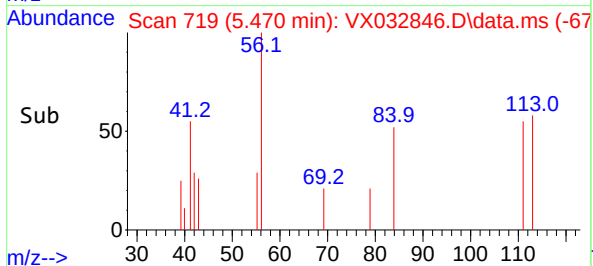


#31
Cyclohexane
Concen: 0.264 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :

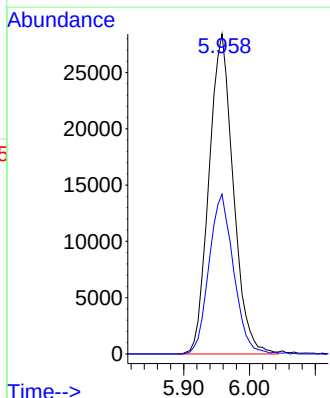
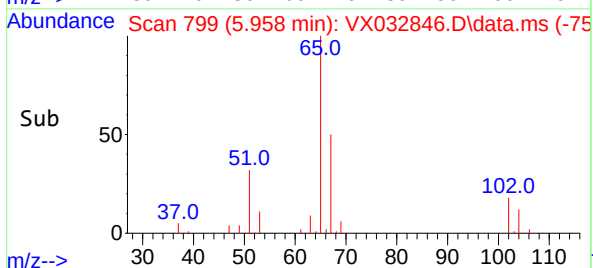
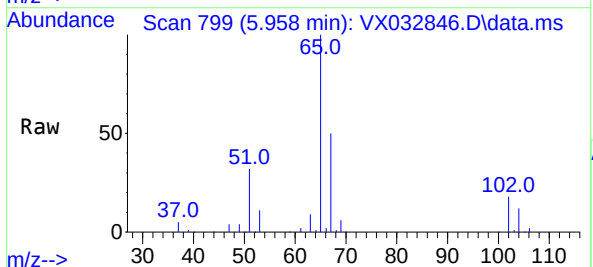


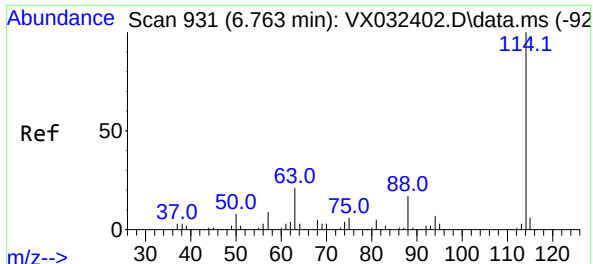
Tgt Ion: 56 Resp: 469
Ion Ratio Lower Upper
56 100
69 21.3 24.1 36.1#
84 52.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.960 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 65 Resp: 73115
Ion Ratio Lower Upper
65 100
67 50.5 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: VX032846.D

Acq: 16 Nov 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

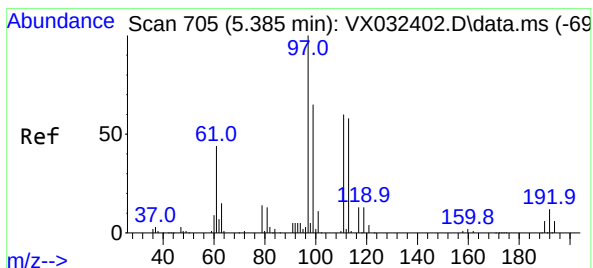
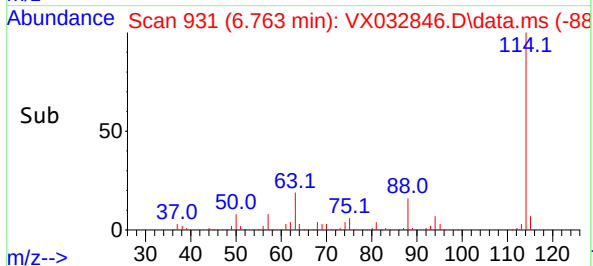
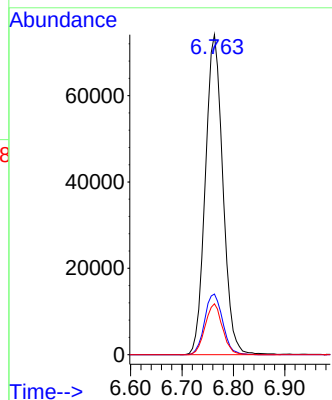
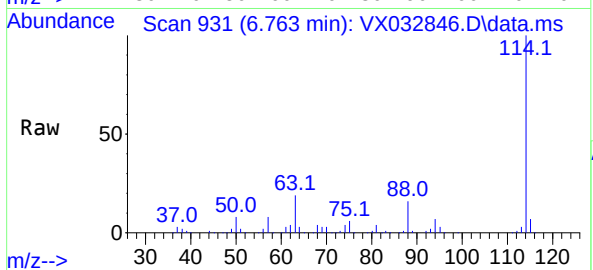
Tgt Ion:114 Resp: 175531

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

88 15.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.105 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX032846.D

Acq: 16 Nov 2022 05:25

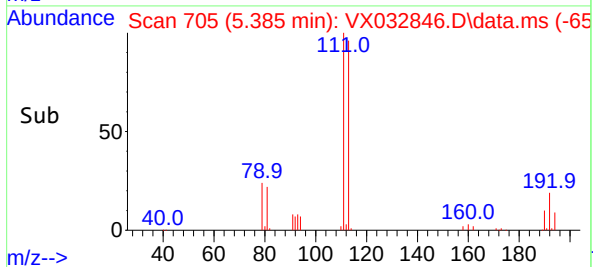
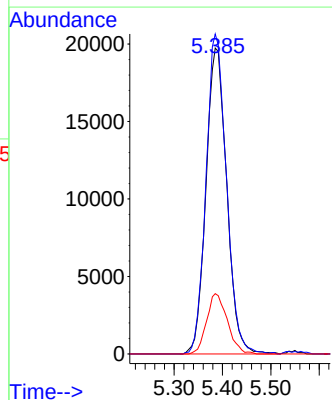
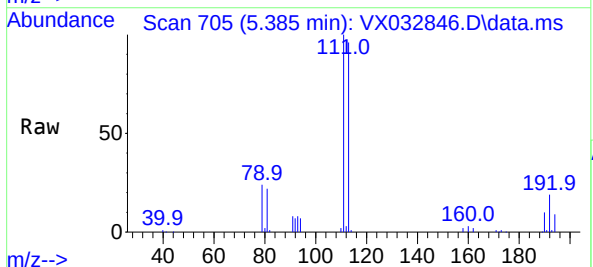
Tgt Ion:113 Resp: 58979

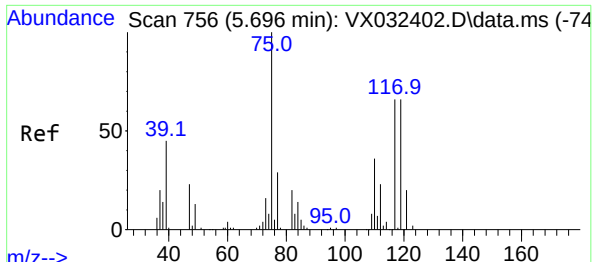
Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

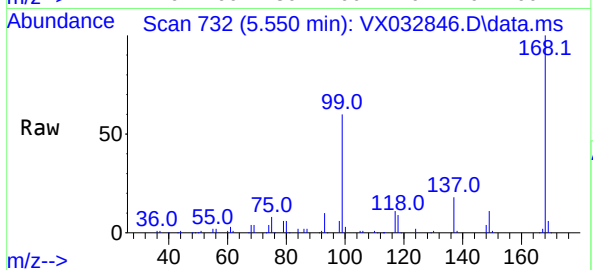
192 19.6 15.4 23.2



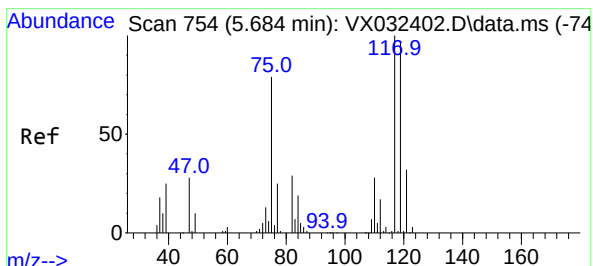
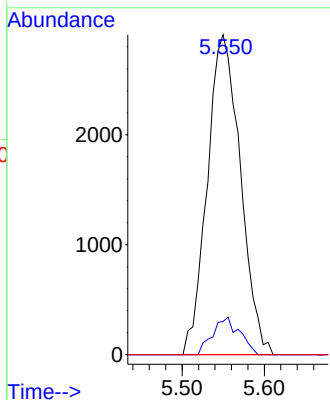
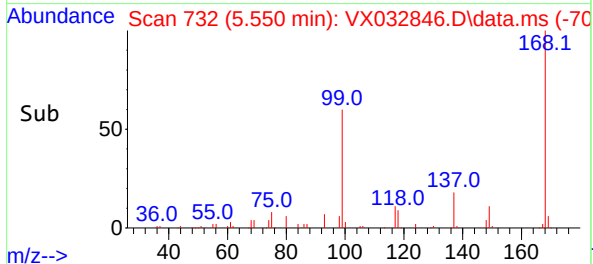


#36
1,1-Dichloropropene
Concen: 4.674 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :

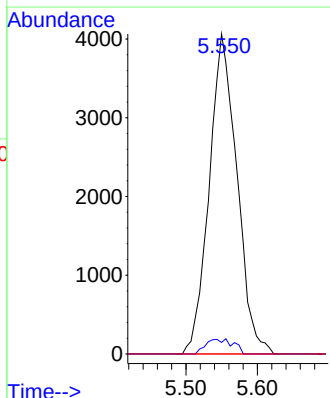
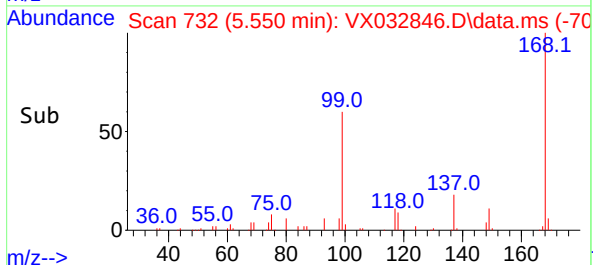
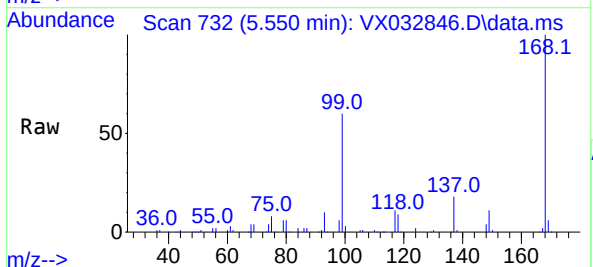


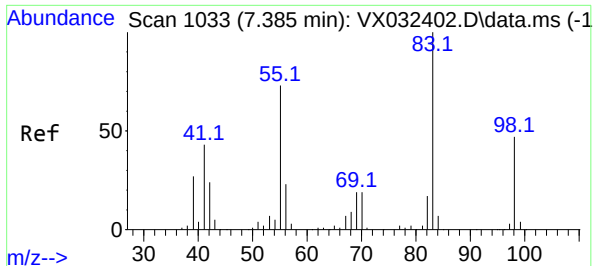
Tgt Ion: 75 Resp: 8150
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 117 Resp: 10945
Ion Ratio Lower Upper
117 100
119 3.6 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.852 ug/l

RT: 7.379 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX032846.D

Acq: 16 Nov 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

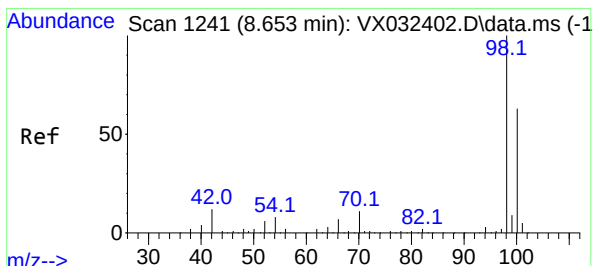
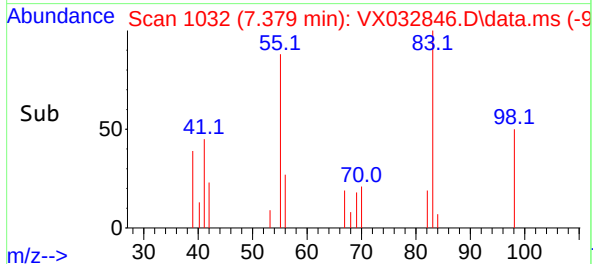
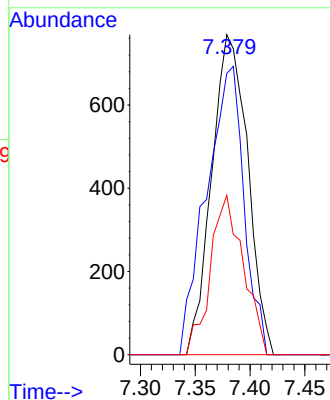
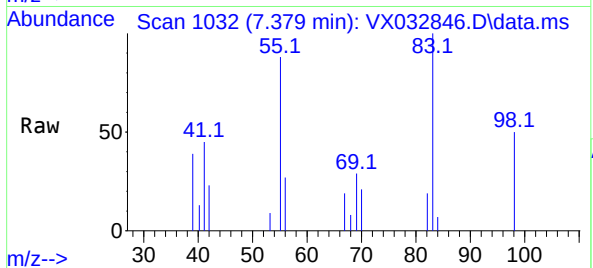
Tgt Ion: 83 Resp: 1757

Ion Ratio Lower Upper

83 100

55 87.9 58.4 87.6#

98 49.8 37.2 55.8



#50

Toluene-d8

Concen: 49.971 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032846.D

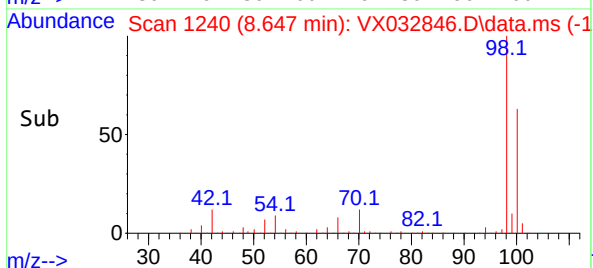
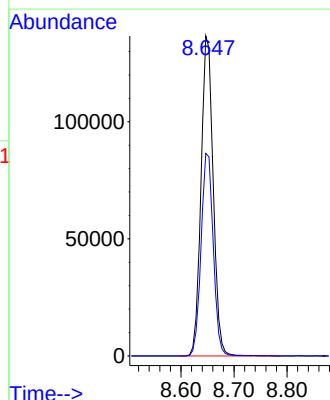
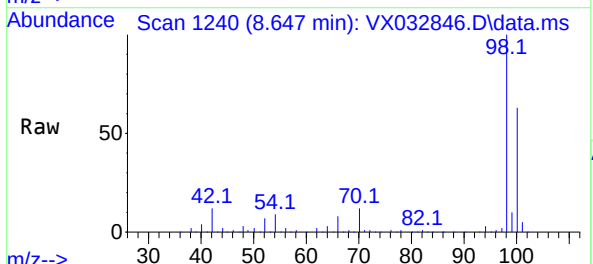
Acq: 16 Nov 2022 05:25

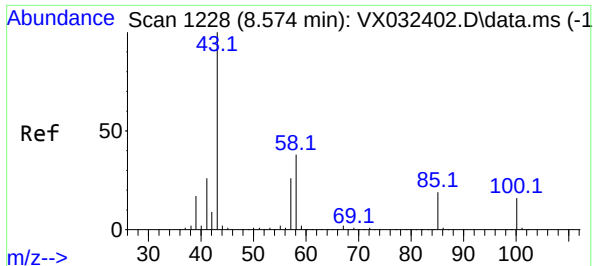
Tgt Ion: 98 Resp: 217562

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.558 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032846.D

Acq: 16 Nov 2022 05:25

Instrument :

MSVOA_X

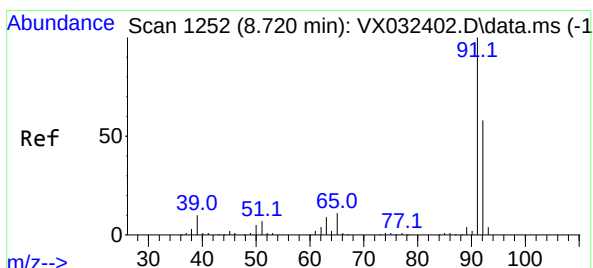
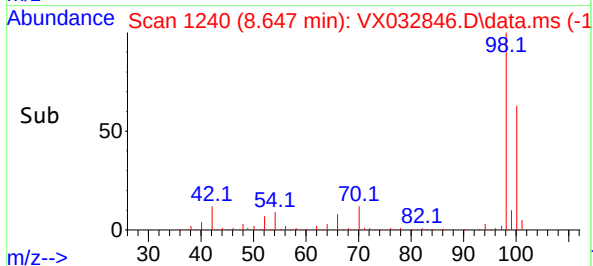
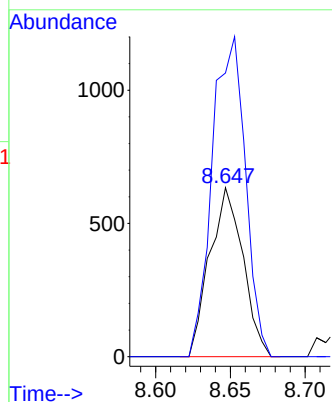
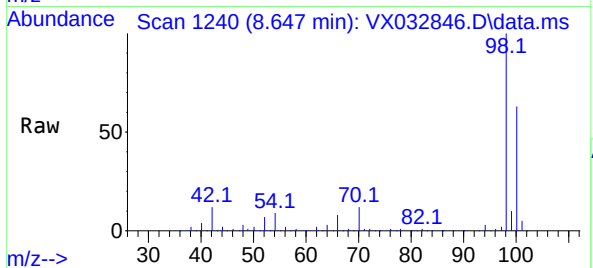
ClientSampleId :

Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

58 189.3 30.9 46.3#



#52

Toluene

Concen: 4.082 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032846.D

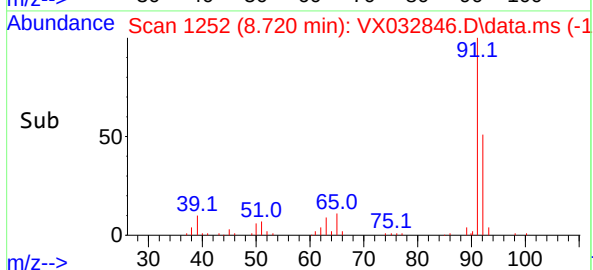
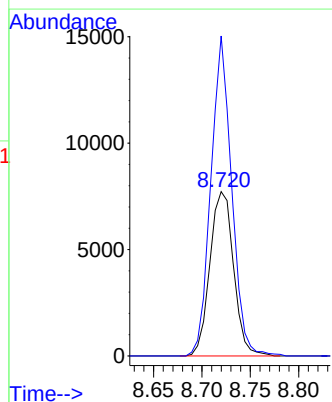
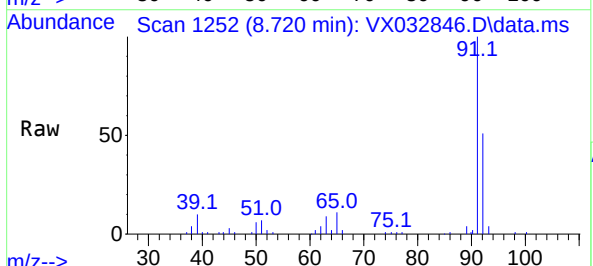
Acq: 16 Nov 2022 05:25

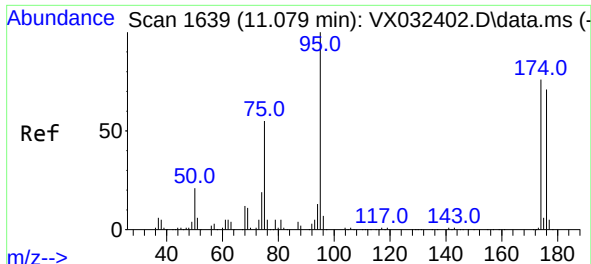
Tgt Ion: 92 Resp: 13139

Ion Ratio Lower Upper

92 100

91 171.0 138.3 207.5

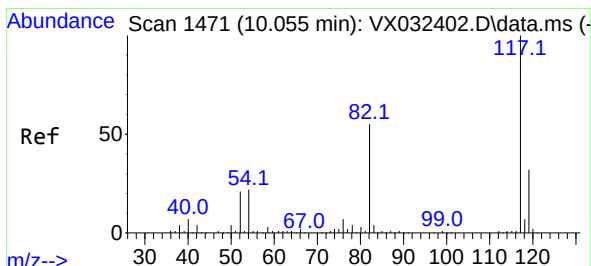
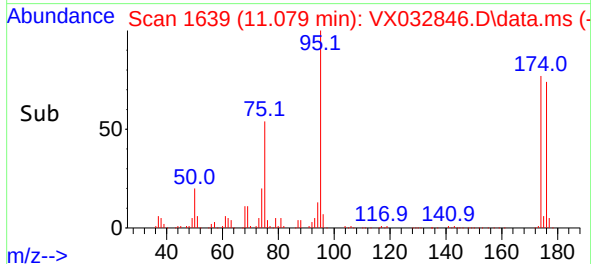
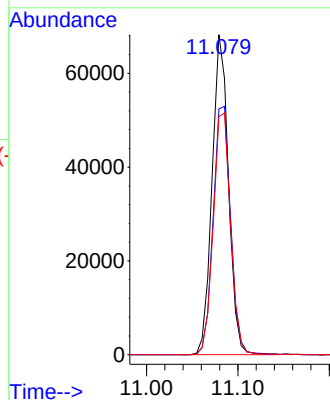
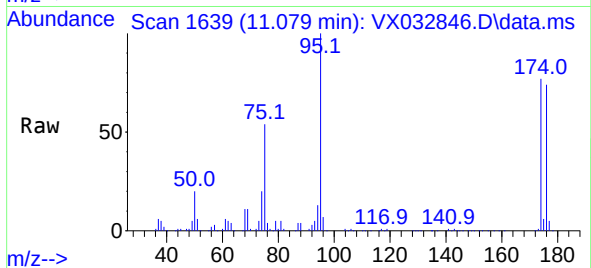




#62
4-Bromofluorobenzene
Concen: 49.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

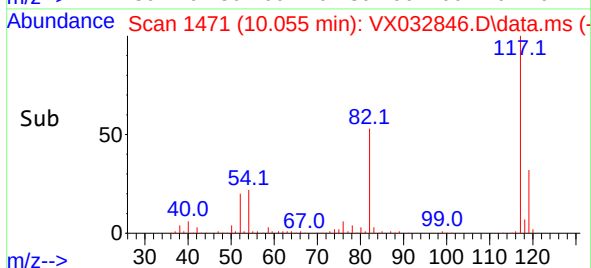
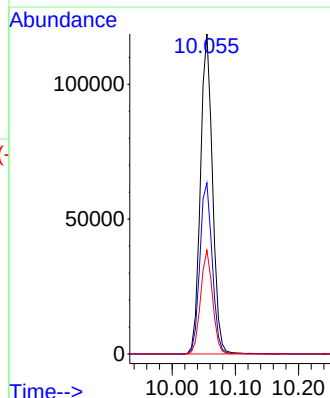
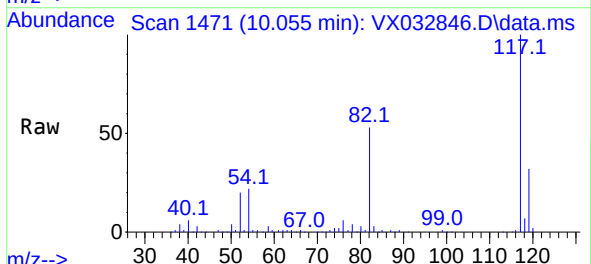
Instrument :
MSVOA_X
ClientSampleId :

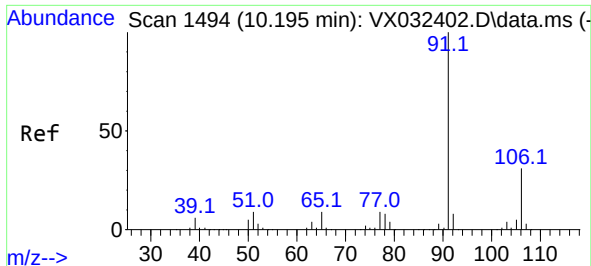
Tgt Ion: 95 Resp: 84875
Ion Ratio Lower Upper
95 100
174 82.7 0.0 164.0
176 80.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 117 Resp: 157840
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 32.4 25.7 38.5

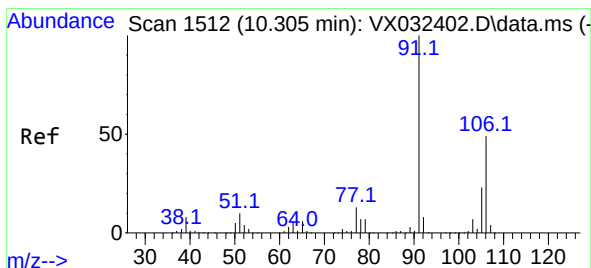
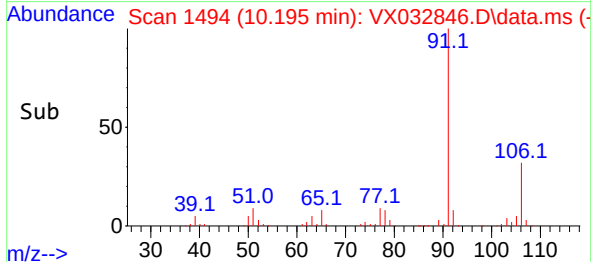
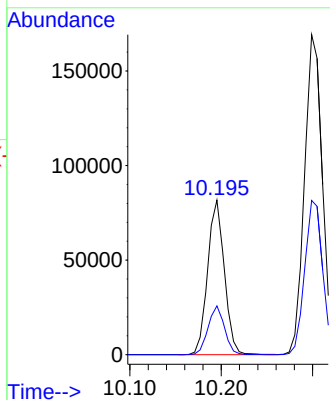
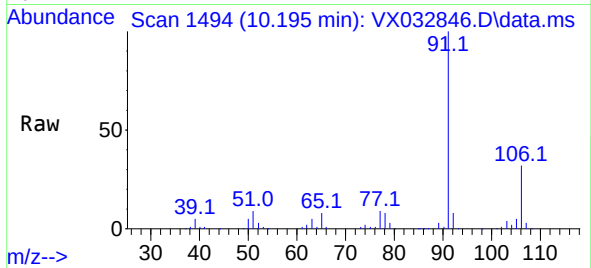




#67
Ethyl Benzene
Concen: 16.412 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

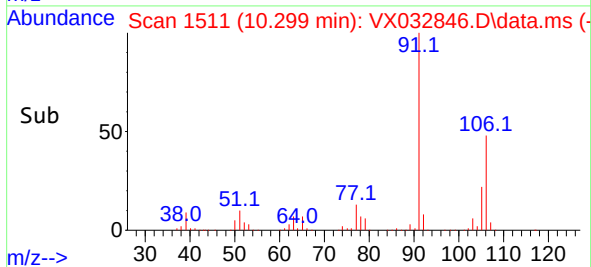
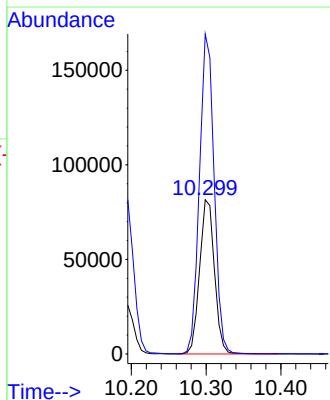
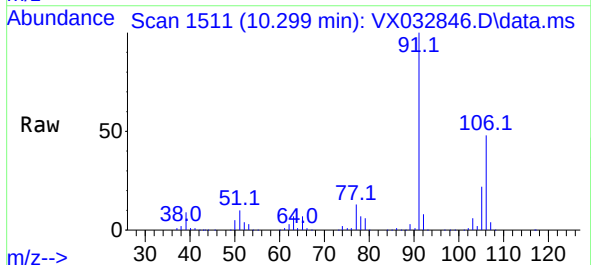
Instrument :
MSVOA_X
ClientSampleId :

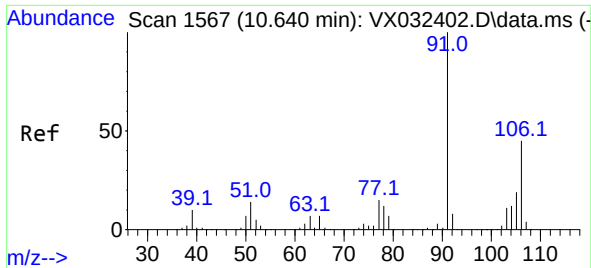
Tgt Ion: 91 Resp: 103765
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 45.754 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 106 Resp: 112331
Ion Ratio Lower Upper
106 100
91 205.7 164.5 246.7

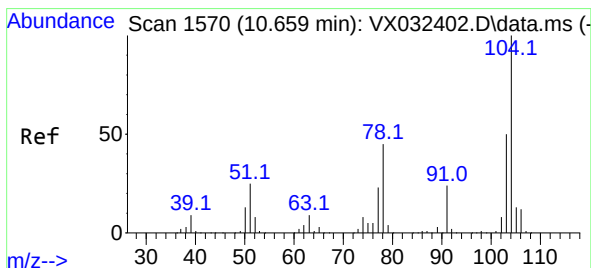
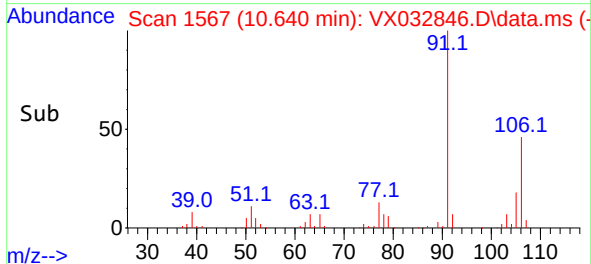
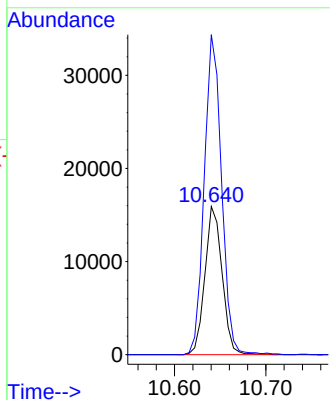
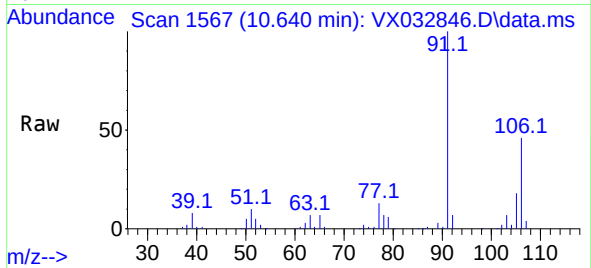




#69
o-Xylene
Concen: 8.697 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

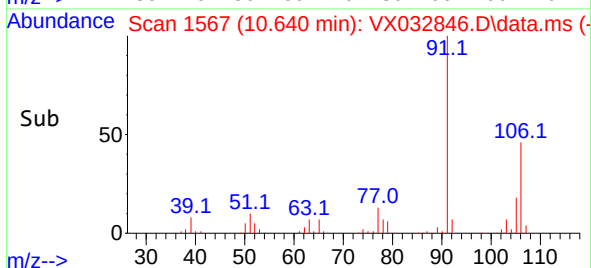
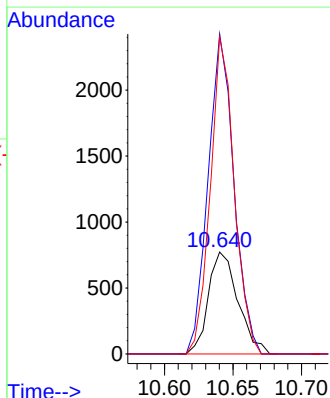
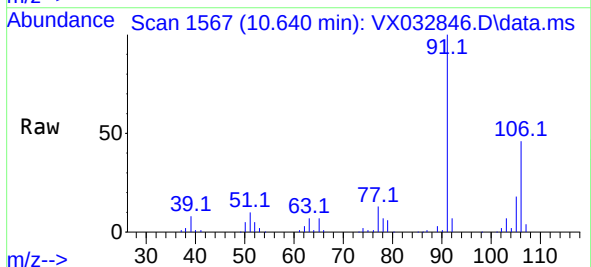
Instrument :
MSVOA_X
ClientSampleId :

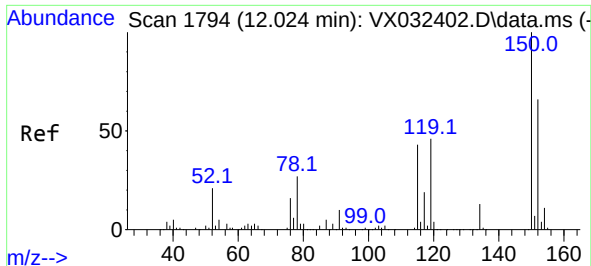
Tgt Ion:106 Resp: 20761
Ion Ratio Lower Upper
106 100
91 216.9 109.2 327.6



#70
Styrene
Concen: 0.293 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.018 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

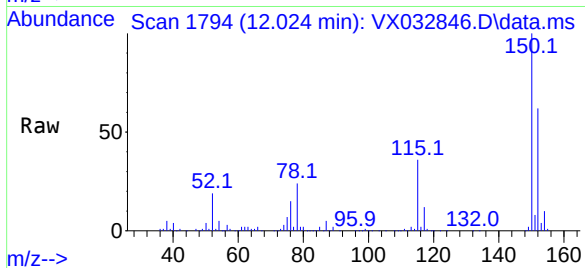
Tgt Ion:104 Resp: 1161
Ion Ratio Lower Upper
104 100
78 273.6 41.8 62.8#
103 250.5 44.5 66.7#



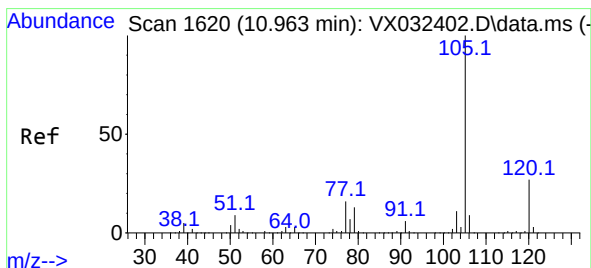
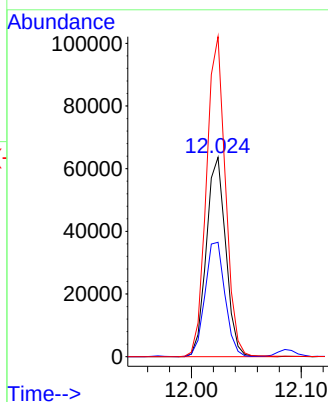
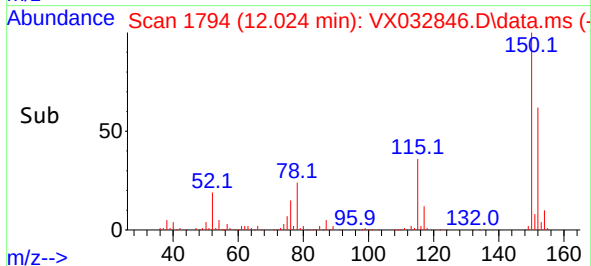


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

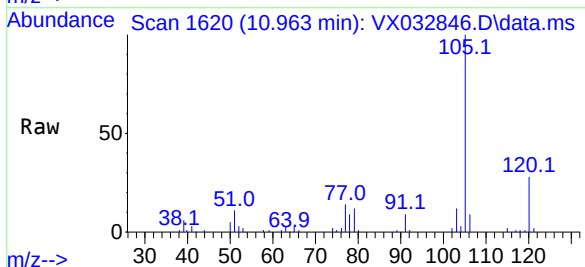
Instrument :
MSVOA_X
ClientSampleId :



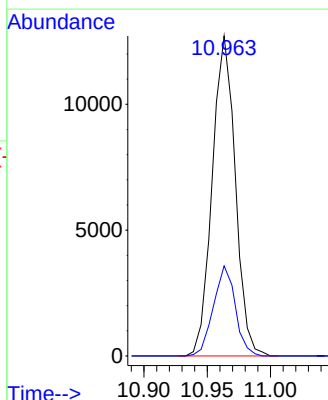
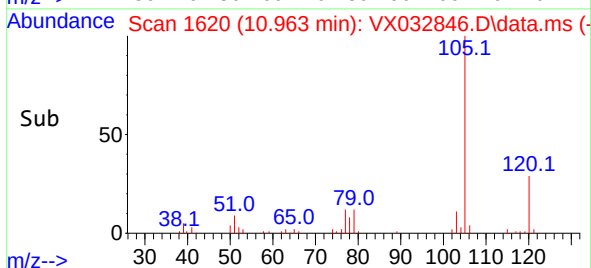
Tgt Ion:152 Resp: 78279
Ion Ratio Lower Upper
152 100
115 59.4 44.0 132.0
150 157.3 0.0 351.8

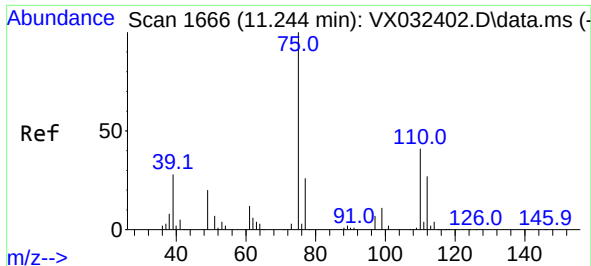


#73
Isopropylbenzene
Concen: 2.597 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25



Tgt Ion:105 Resp: 16109
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.3

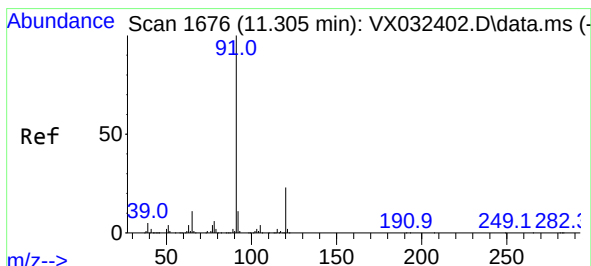
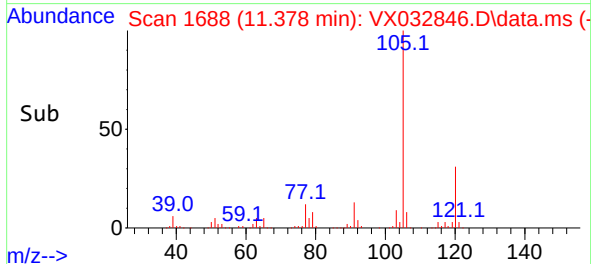
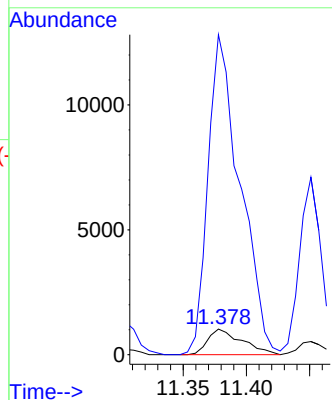
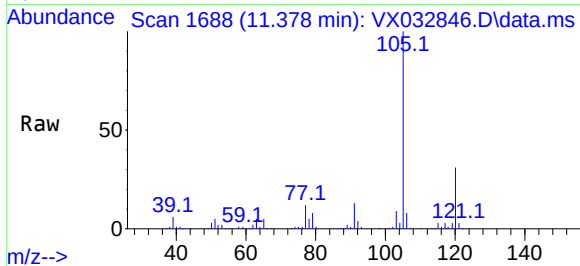




#76
1,2,3-Trichloropropane
Concen: 1.113 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.134 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

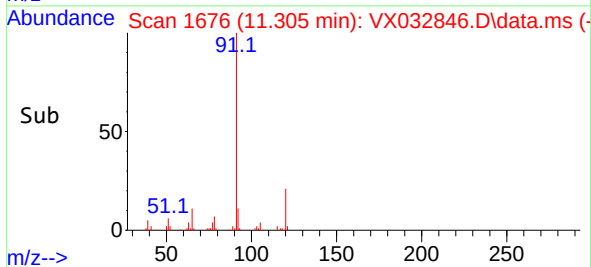
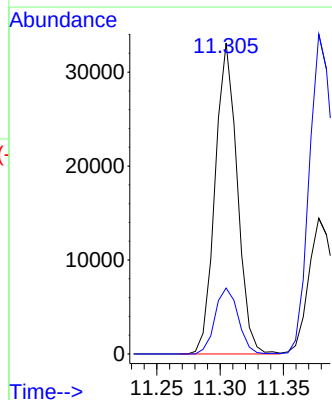
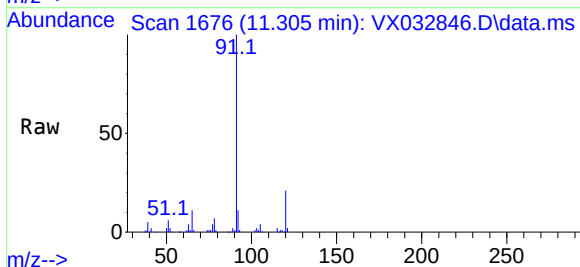
Instrument :
MSVOA_X
ClientSampleId :

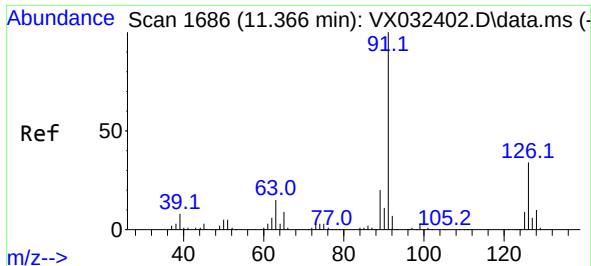
Tgt Ion: 75 Resp: 1939
Ion Ratio Lower Upper
75 100
77 1169.7 20.0 60.0#



#78
n-propylbenzene
Concen: 5.632 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 91 Resp: 40249
Ion Ratio Lower Upper
91 100
120 22.2 11.6 34.8





#79

2-Chlorotoluene

Concen: 5.811 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX032846.D

Acq: 16 Nov 2022 05:25

Instrument :

MSVOA_X

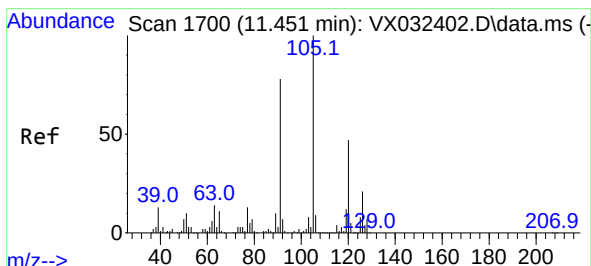
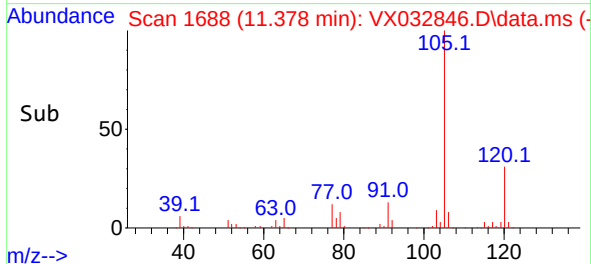
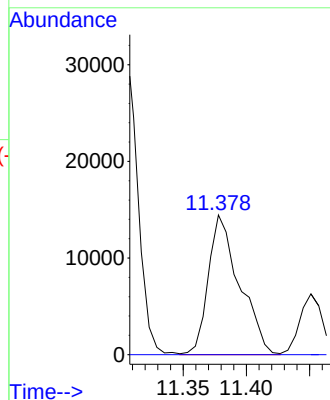
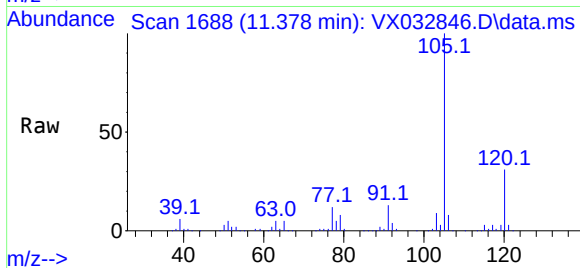
ClientSampleId :

Tgt Ion: 91 Resp: 24871

Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.2#



#80

1,3,5-Trimethylbenzene

Concen: 12.729 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX032846.D

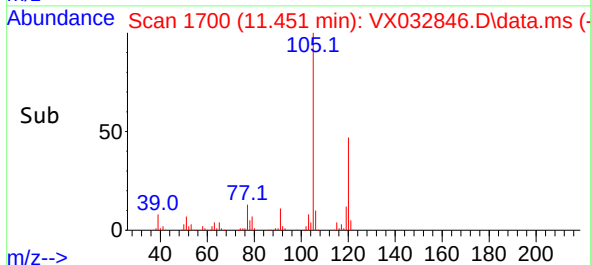
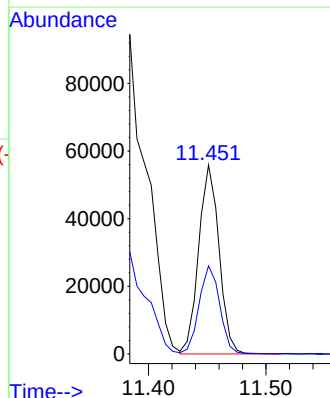
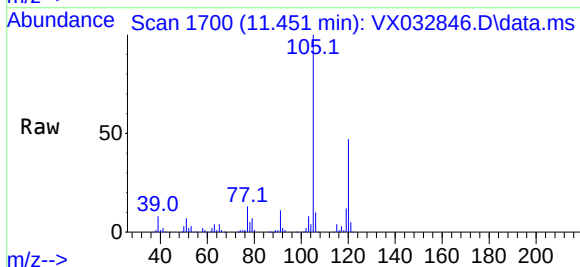
Acq: 16 Nov 2022 05:25

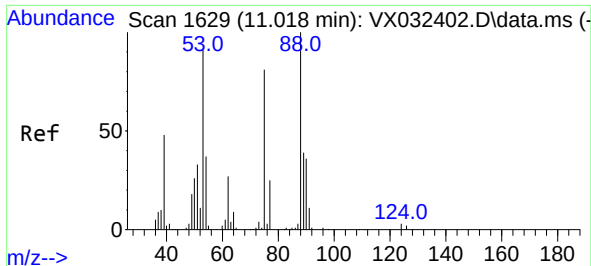
Tgt Ion:105 Resp: 67482

Ion Ratio Lower Upper

105 100

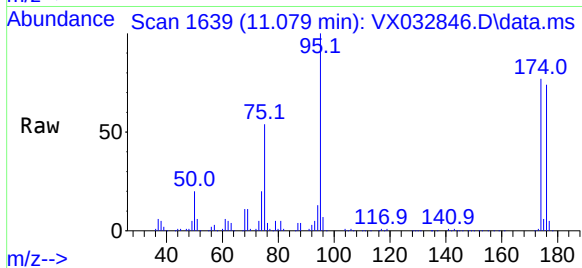
120 47.1 23.6 71.0



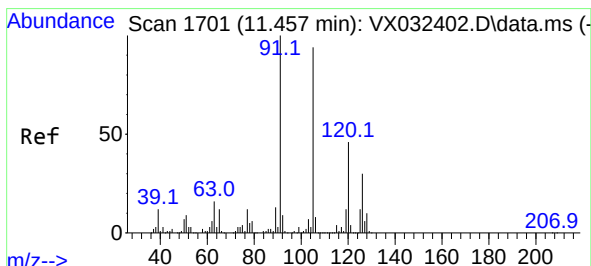
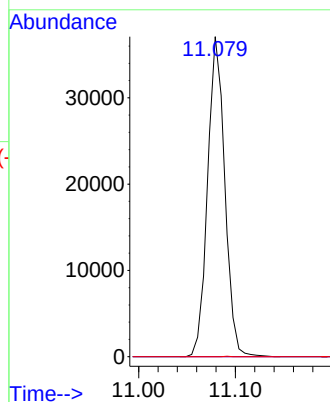
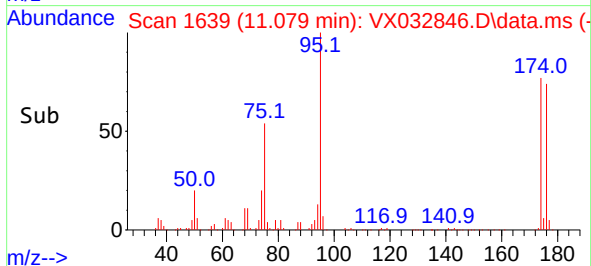


#81
trans-1,4-Dichloro-2-butene
Concen: 83.993 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :

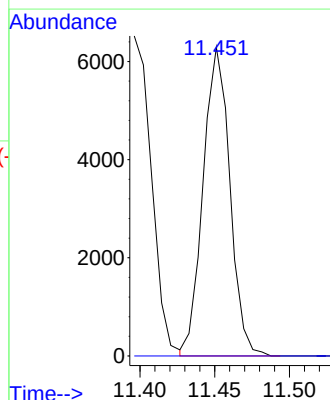
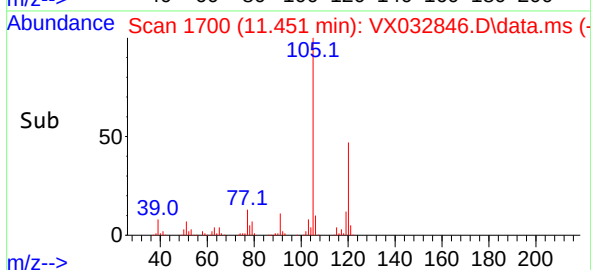
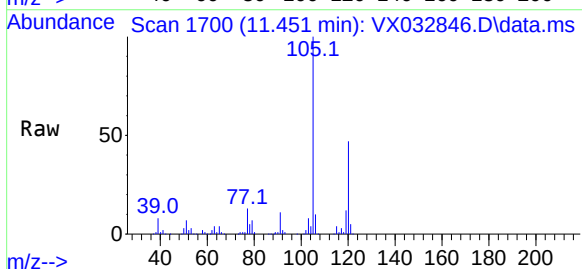


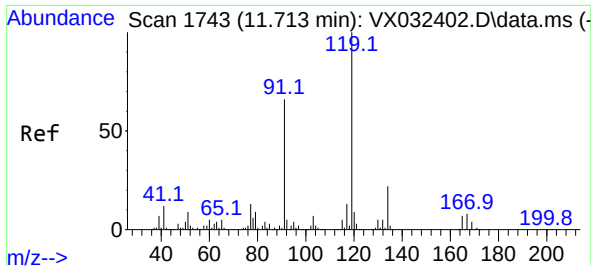
Tgt Ion: 75 Resp: 45969
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#



#82
4-Chlorotoluene
Concen: 1.563 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 91 Resp: 7827
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#

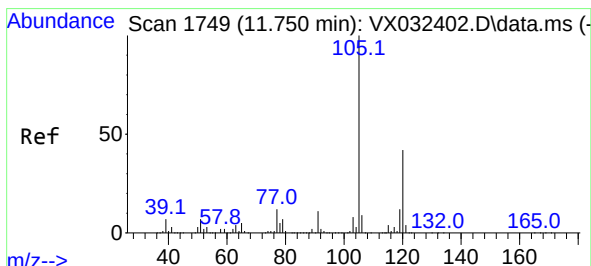
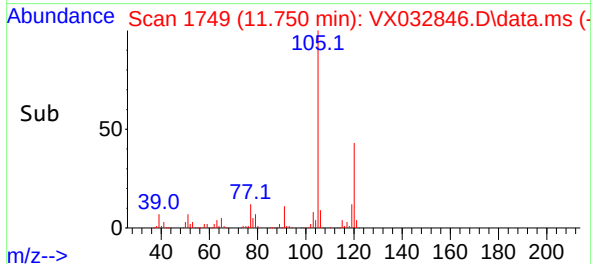
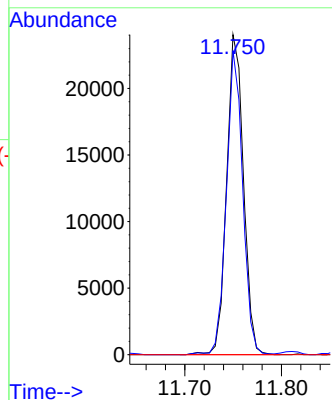
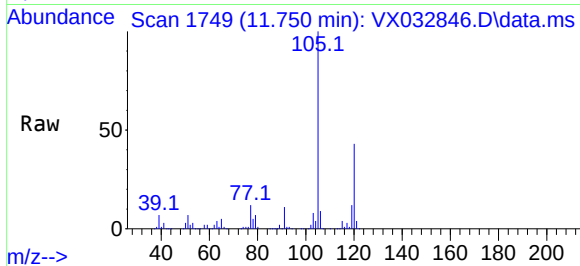




#83
tert-Butylbenzene
Concen: 5.467 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.037 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

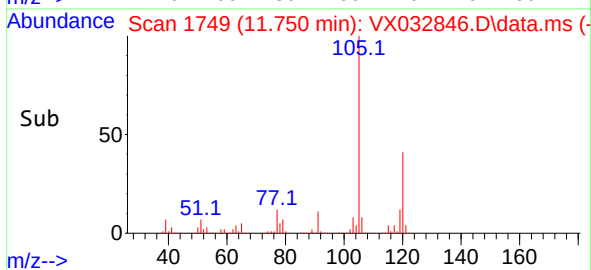
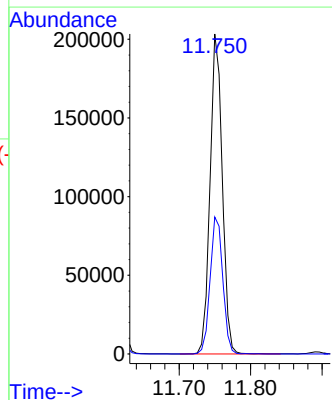
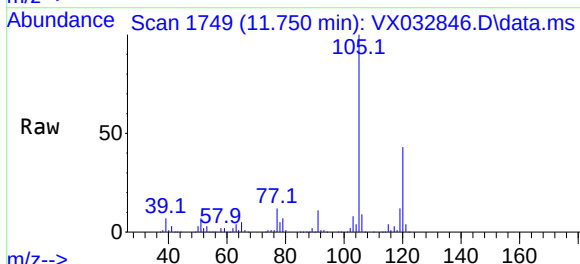
Instrument :
MSVOA_X
ClientSampleId :

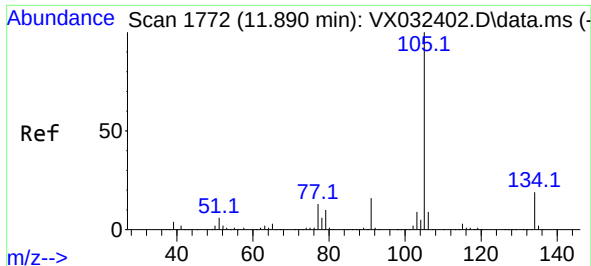
Tgt Ion:119 Resp: 28937
Ion Ratio Lower Upper
119 100
91 92.4 29.4 88.2#
134 0.0 11.0 33.0#



#84
1,2,4-Trimethylbenzene
Concen: 45.818 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion:105 Resp: 241590
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.5

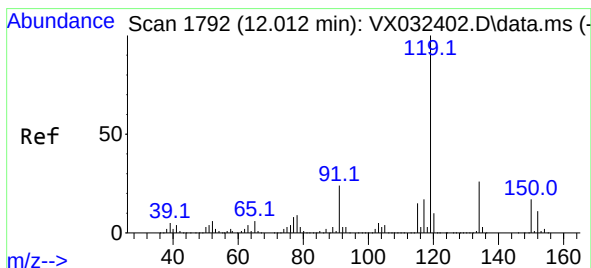
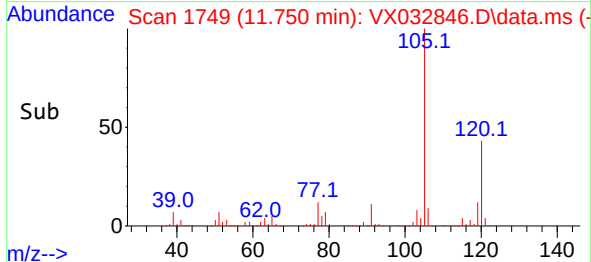
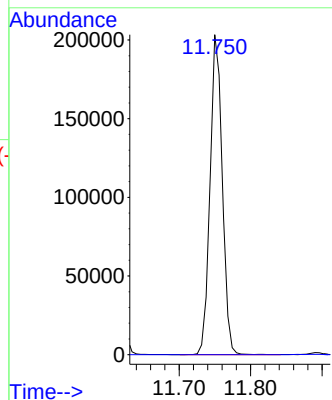
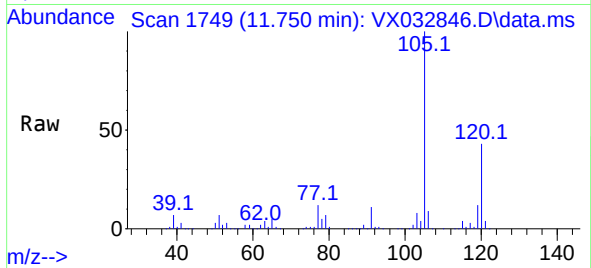




#85
sec-Butylbenzene
Concen: 37.934 ug/l
RT: 11.750 min Scan# 11785
Delta R.T. -0.140 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

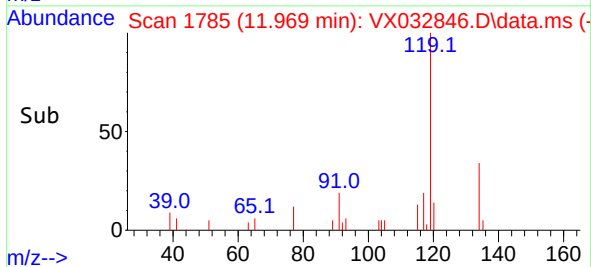
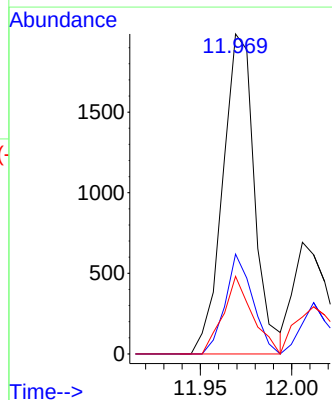
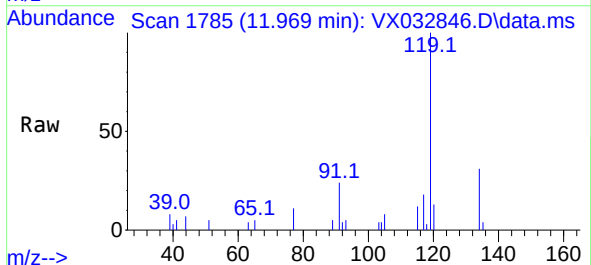
Instrument :
MSVOA_X
ClientSampleId :

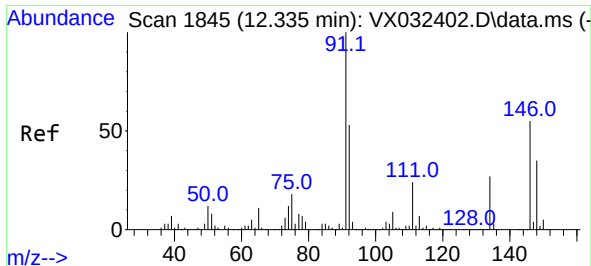
Tgt Ion:105 Resp: 241590
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#



#86
p-Isopropyltoluene
Concen: 0.445 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.043 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion:119 Resp: 2404
Ion Ratio Lower Upper
119 100
134 26.8 12.9 38.7
91 0.0 12.5 37.5#





#89

n-Butylbenzene

Concen: 0.954 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX032846.D

Acq: 16 Nov 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

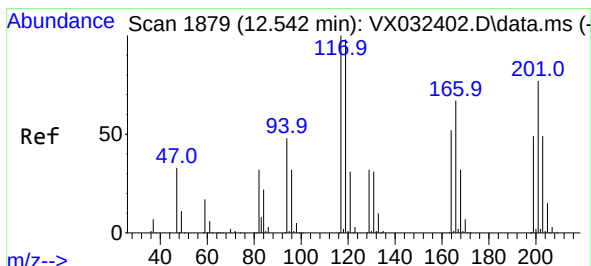
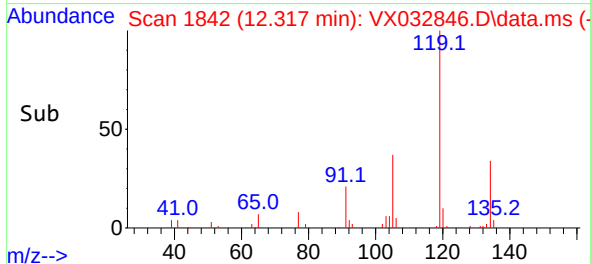
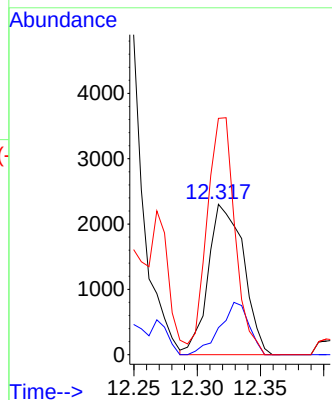
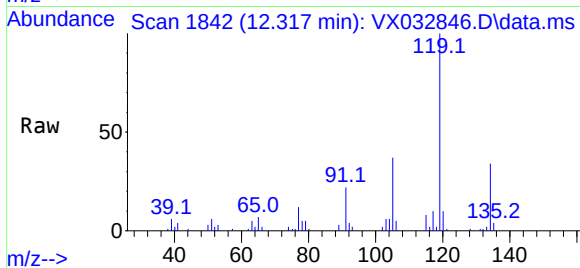
Tgt Ion: 91 Resp: 4483

Ion Ratio Lower Upper

91 100

92 28.5 26.2 78.6

134 124.0 12.9 38.6#



#90

Hexachloroethane

Concen: 1.934 ug/l

RT: 12.616 min Scan# 1891

Delta R.T. 0.073 min

Lab File: VX032846.D

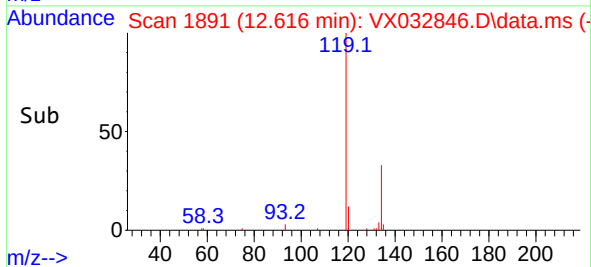
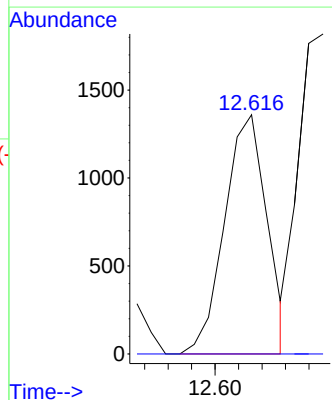
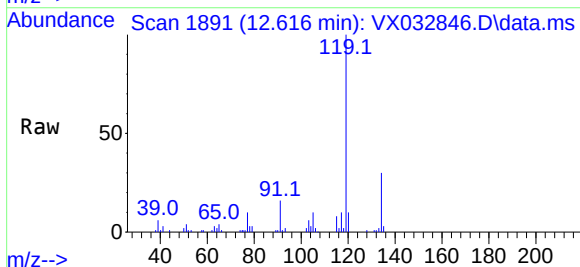
Acq: 16 Nov 2022 05:25

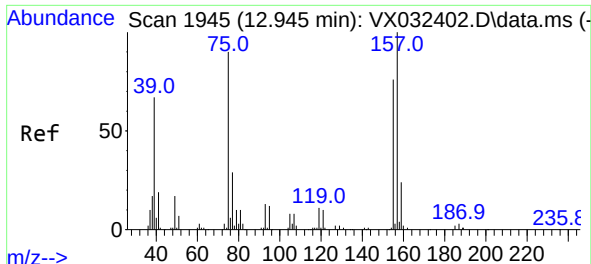
Tgt Ion: 117 Resp: 1707

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#

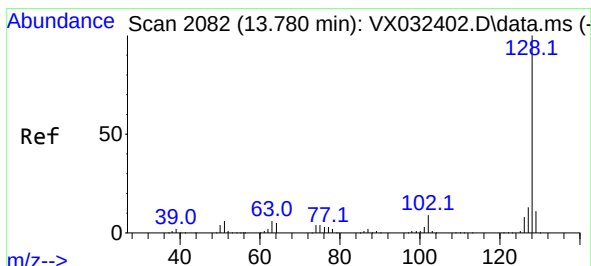
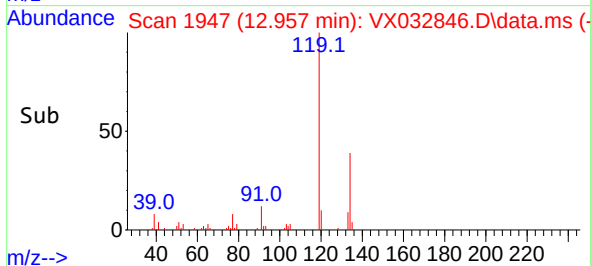
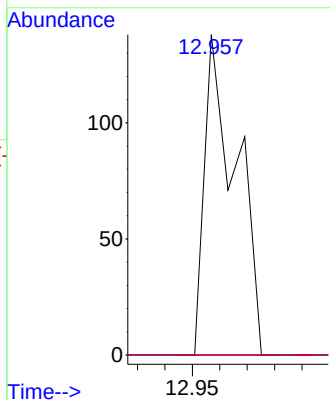
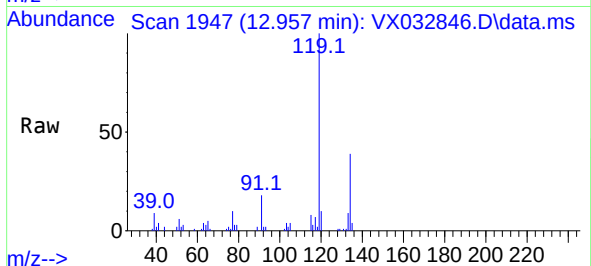




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.254 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.012 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 111
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#



#95
Naphthalene
Concen: 7.061 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032846.D
Acq: 16 Nov 2022 05:25

Tgt Ion: 128 Resp: 43395
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.2 8.9 13.3

