

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031522\
 Data File : VX027447.D
 Acq On : 15 Mar 2022 15:10
 Operator : JC/MD
 Sample : N1895-13DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031022DL

Quant Time: Mar 16 04:18:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

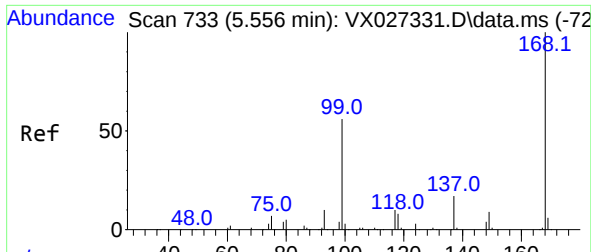
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	324917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	537712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	567529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	245830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	209715	55.348	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.700%			
35) Dibromofluoromethane	5.391	113	178711	51.507	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.020%			
50) Toluene-d8	8.653	98	708088	54.057	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.120%			
62) 4-Bromofluorobenzene	11.085	95	272688	54.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.240%			
Target Compounds						
5) Bromomethane	1.611	94	1059	Below Cal		83
6) Chloroethane	1.697	64	309	0.588 ug/l #		86
10) Methyl Iodide	2.453	142	2336	0.505 ug/l		92
11) Tert butyl alcohol	2.953	59	493	0.664 ug/l #		72
16) Acetone	2.380	43	1019	Below Cal		100
20) Methylene Chloride	2.794	84	999	0.270 ug/l		87
36) 1,1-Dichloropropene	5.556	75	24162	5.016 ug/l #		51
38) Carbon Tetrachloride	5.562	117	32906	6.606 ug/l #		15
39) Methylcyclohexane	7.385	83	2070	0.340 ug/l #		88
51) 4-Methyl-2-Pentanone	8.647	43	2664	0.520 ug/l #		1
52) Toluene	8.720	92	157111	16.797 ug/l		100
53) t-1,3-Dichloropropene	8.720	75	1694	0.342 ug/l #		1
67) Ethyl Benzene	10.195	91	795450	38.631 ug/l		98
68) m/p-Xylenes	10.305	106	1515674	187.661 ug/l		97
69) o-Xylene	10.646	106	740502	92.864 ug/l		99
70) Styrene	10.646	104	38445	2.905 ug/l #		1
73) Isopropylbenzene	10.963	105	47692	2.653 ug/l		100
76) 1,2,3-Trichloropropane	11.384	75	4123	0.764 ug/l #		1
78) n-propylbenzene	11.305	91	77937	3.854 ug/l		99
79) 2-Chlorotoluene	11.378	91	57646	4.561 ug/l #		40
80) 1,3,5-Trimethylbenzene	11.451	105	143175	9.289 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.079	75	129380	77.579 ug/l #		15
82) 4-Chlorotoluene	11.451	91	15515	1.085 ug/l #		48
83) tert-Butylbenzene	11.756	119	61736	4.007 ug/l #		51
84) 1,2,4-Trimethylbenzene	11.756	105	514859	33.678 ug/l		100
85) sec-Butylbenzene	11.756	105	514859	27.706 ug/l #		56
89) n-Butylbenzene	12.323	91	9016	0.684 ug/l #		14
90) Hexachloroethane	12.530	117	3181	1.297 ug/l #		10
95) Naphthalene	13.780	128	123464	6.667 ug/l		100

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

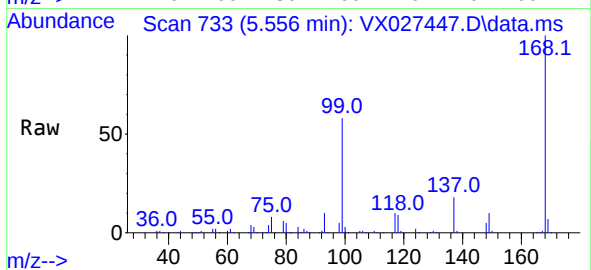
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Quant Title : SW846 8260
QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration



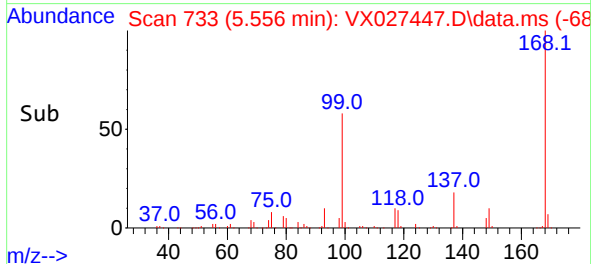
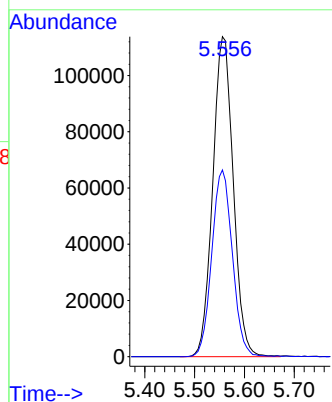


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

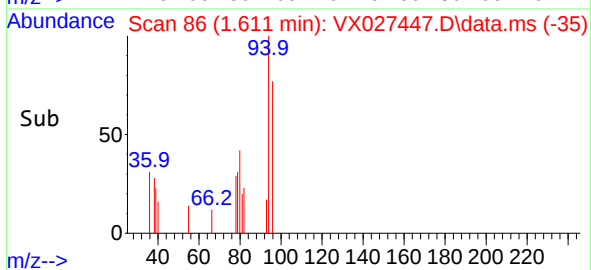
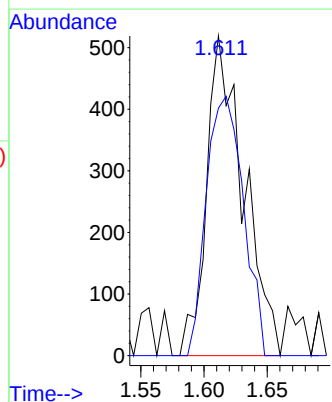
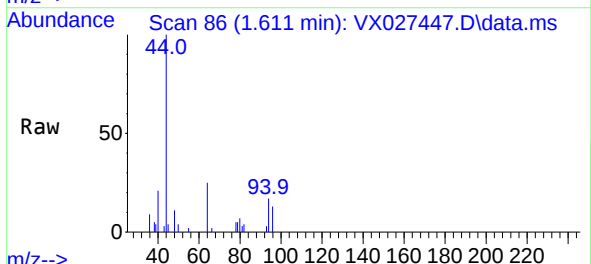


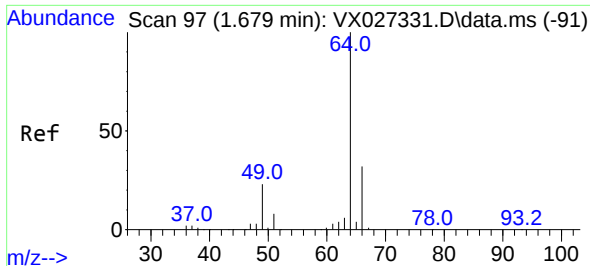
Tgt Ion:168 Resp: 324917
Ion Ratio Lower Upper
168 100
99 58.4 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 94 Resp: 1059
Ion Ratio Lower Upper
94 100
96 77.5 75.3 112.9

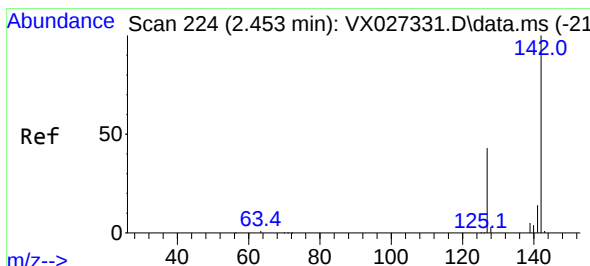
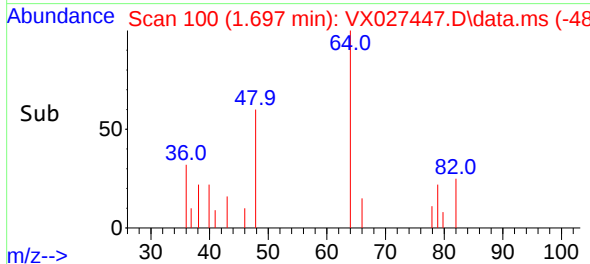
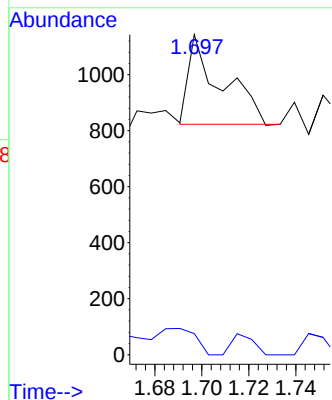
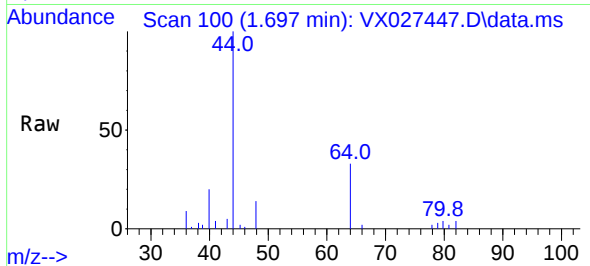




#6
Chloroethane
Concen: 0.588 ug/l
RT: 1.697 min Scan# 10
Delta R.T. 0.018 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

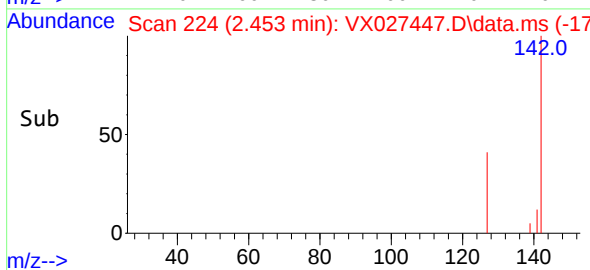
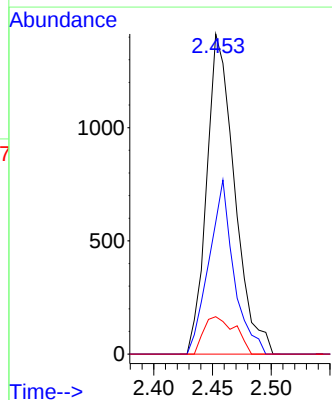
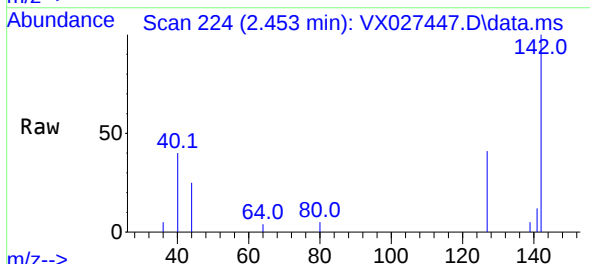
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

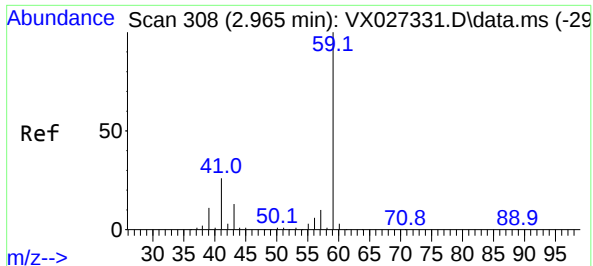
Tgt Ion: 64 Resp: 309
Ion Ratio Lower Upper
64 100
66 23.8 25.3 37.9#



#10
Methyl Iodide
Concen: 0.505 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 142 Resp: 2336
Ion Ratio Lower Upper
142 100
127 48.4 33.9 50.9
141 13.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 0.664 ug/l

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX027447.D

Acq: 15 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

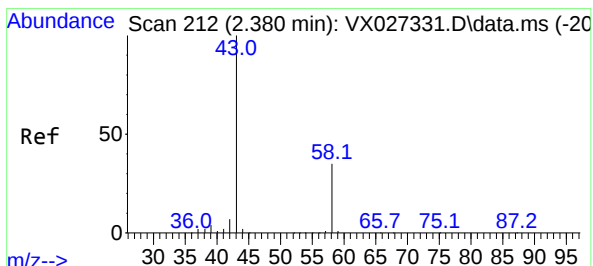
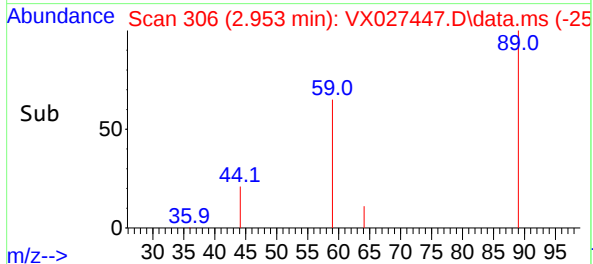
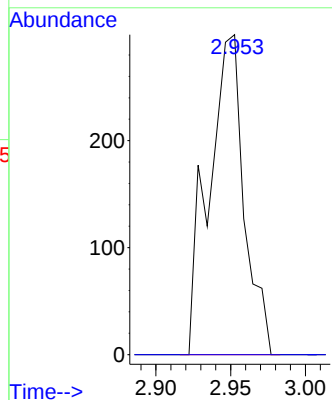
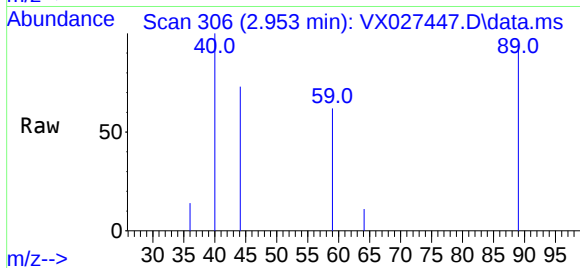
DUP031022DL

Tgt Ion: 59 Resp: 493

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027447.D

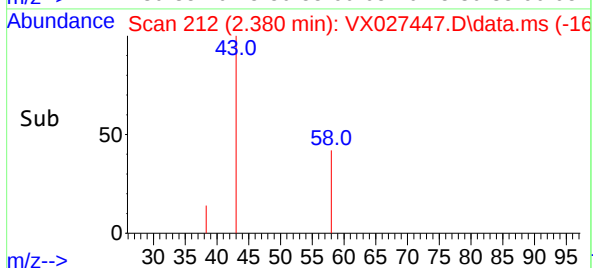
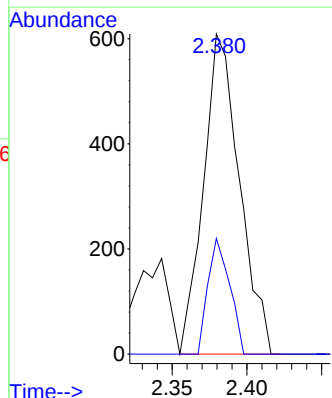
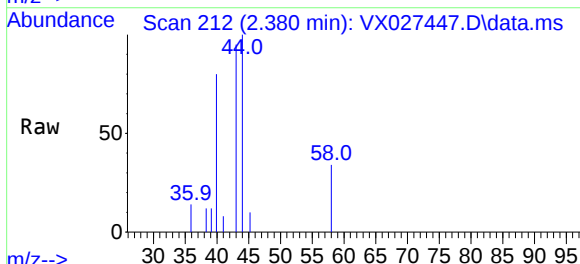
Acq: 15 Mar 2022 15:10

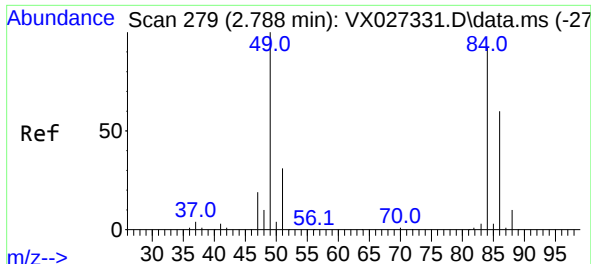
Tgt Ion: 43 Resp: 1019

Ion Ratio Lower Upper

43 100

58 36.1 28.8 43.2





#20

Methylene Chloride

Concen: 0.270 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX027447.D

Acq: 15 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

DUP031022DL

Tgt Ion: 84 Resp: 999

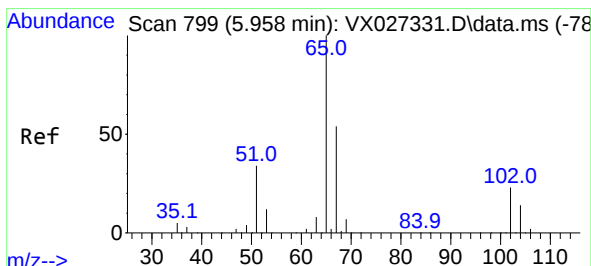
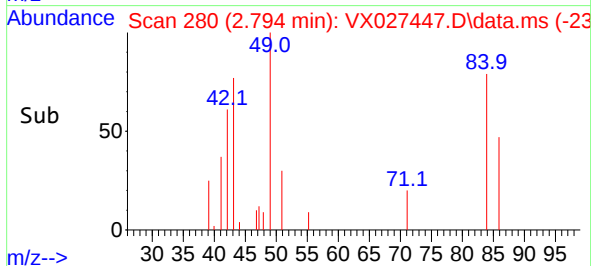
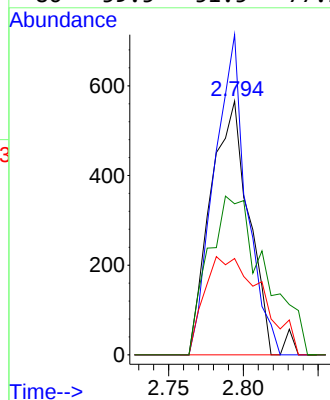
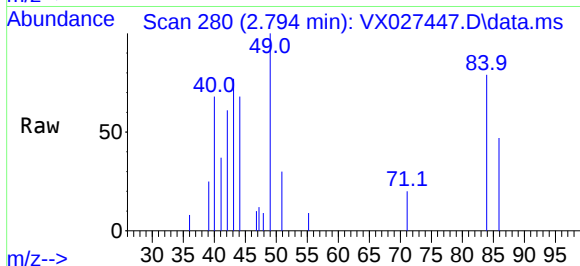
Ion Ratio Lower Upper

84 100

49 126.1 85.5 128.3

51 38.0 26.6 39.8

86 59.5 51.5 77.3



#33

1,2-Dichloroethane-d4

Concen: 55.348 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027447.D

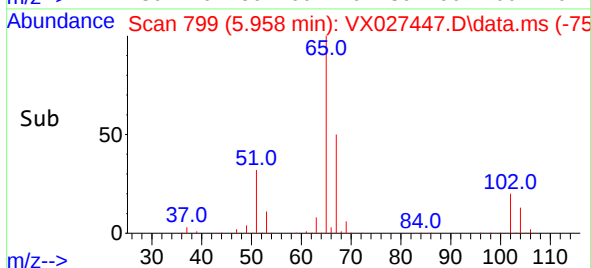
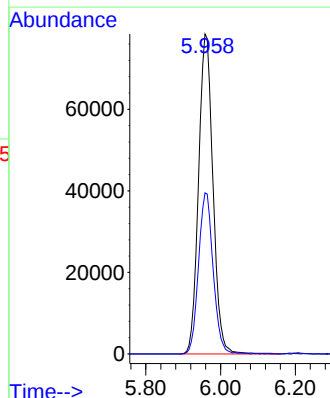
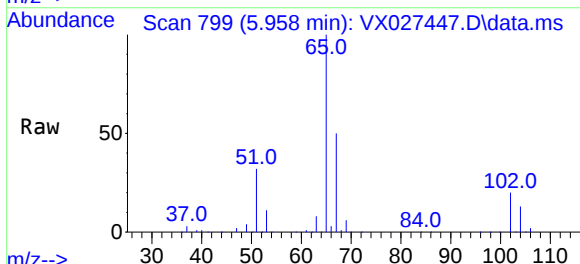
Acq: 15 Mar 2022 15:10

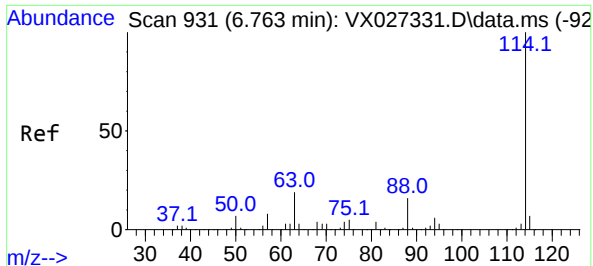
Tgt Ion: 65 Resp: 209715

Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.4

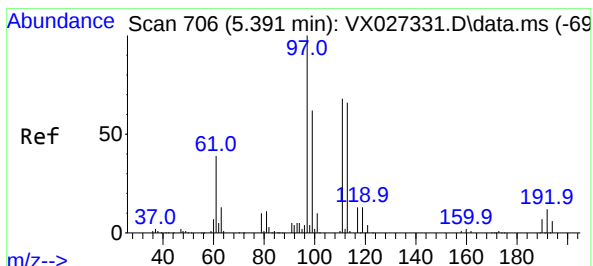
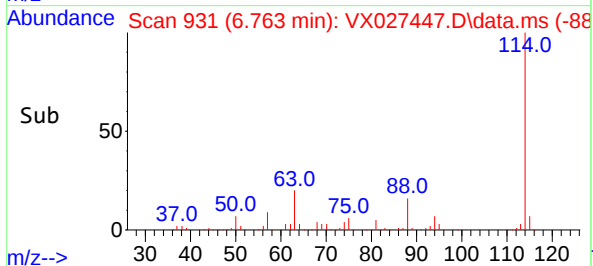
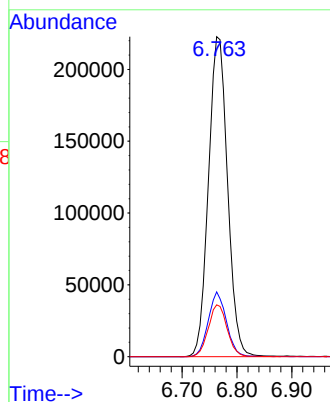
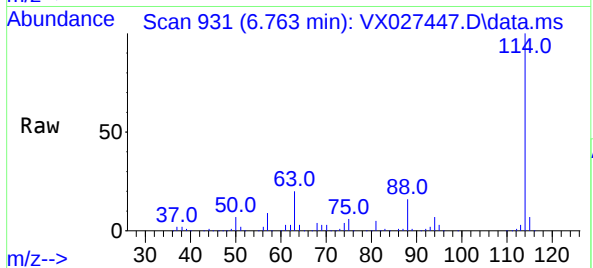




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

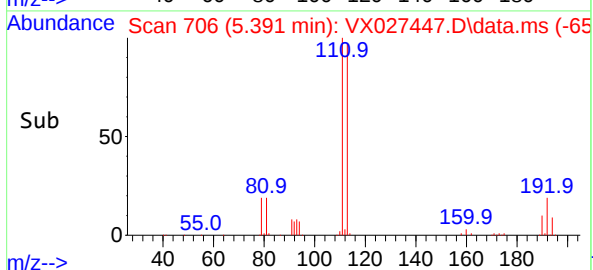
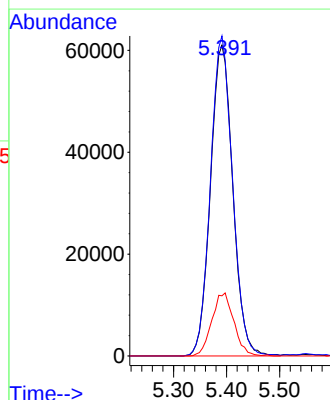
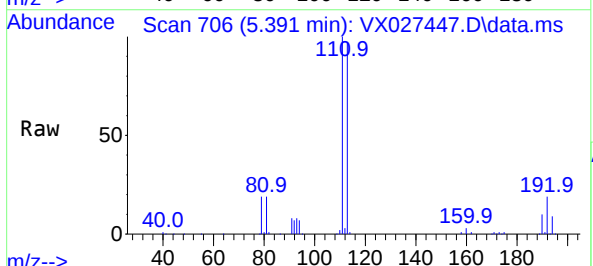
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

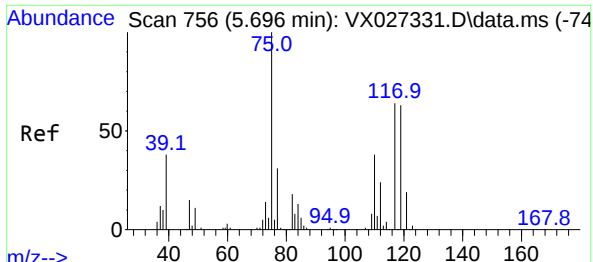
Tgt Ion:114 Resp: 537712
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.8
88 16.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.507 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

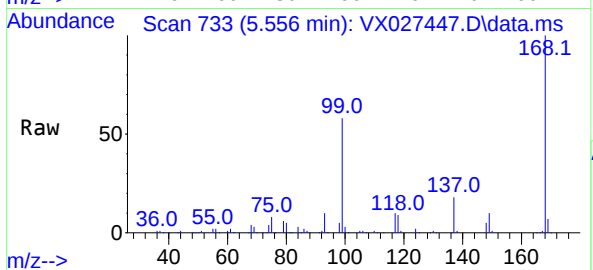
Tgt Ion:113 Resp: 178711
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 19.9 16.9 25.3



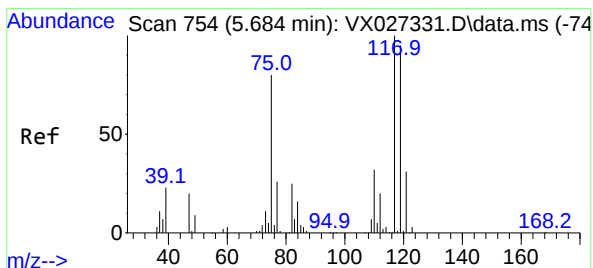
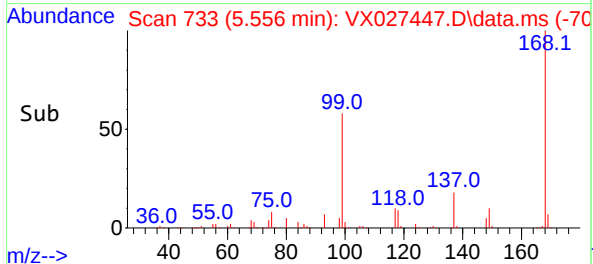
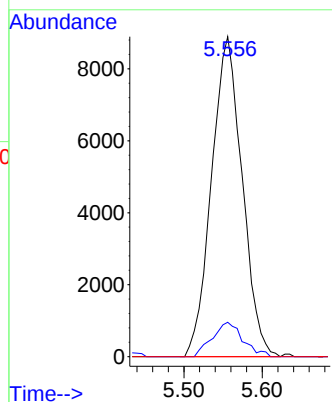


#36
1,1-Dichloropropene
Concen: 5.016 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

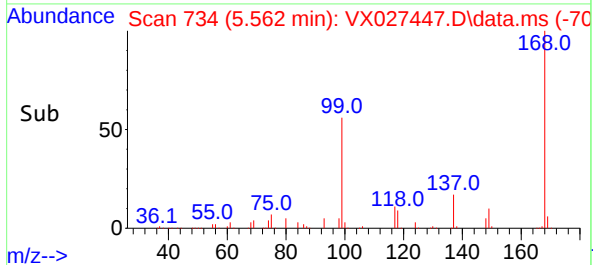
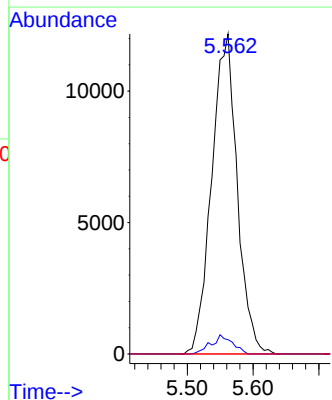
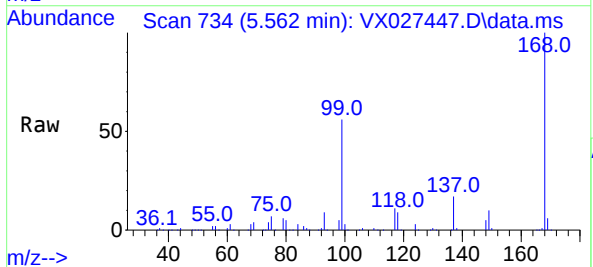


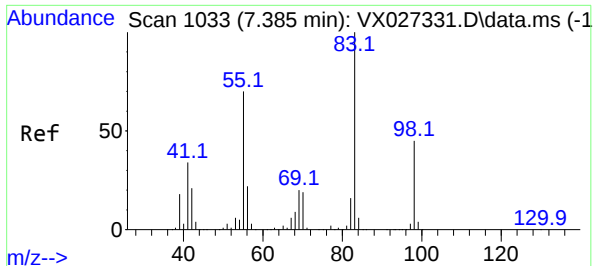
Tgt Ion: 75 Resp: 24162
Ion Ratio Lower Upper
75 100
110 10.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.606 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 117 Resp: 32906
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#

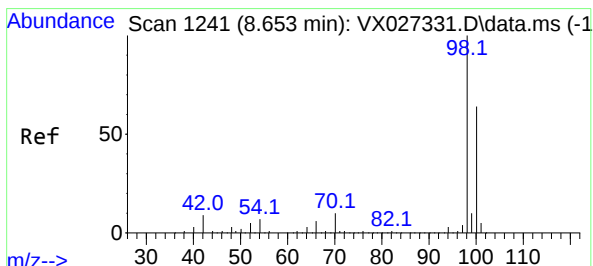
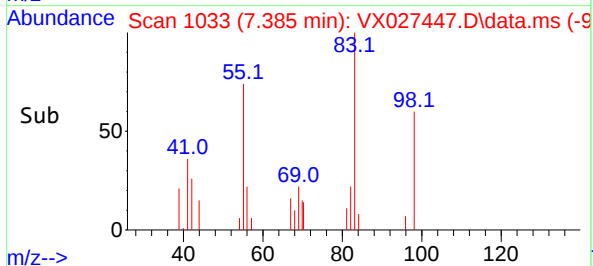
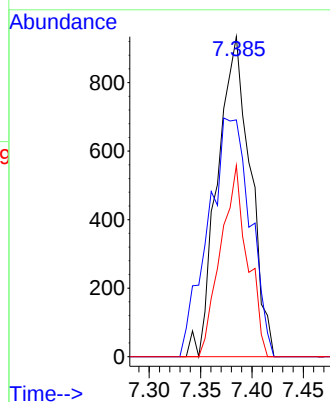
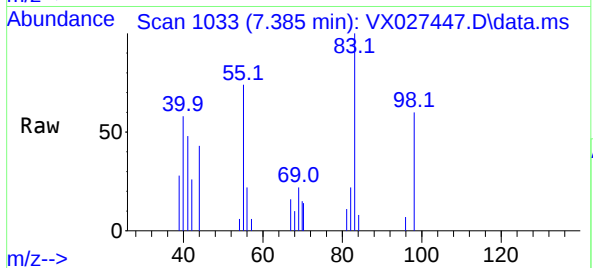




#39
Methylcyclohexane
Concen: 0.340 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

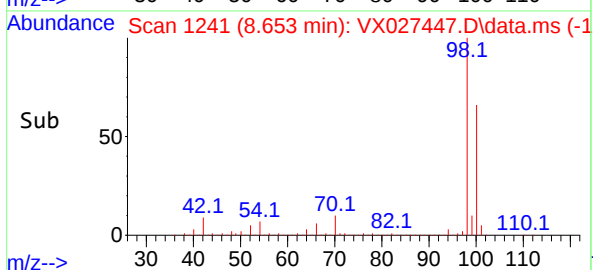
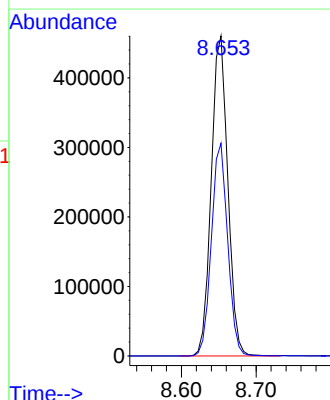
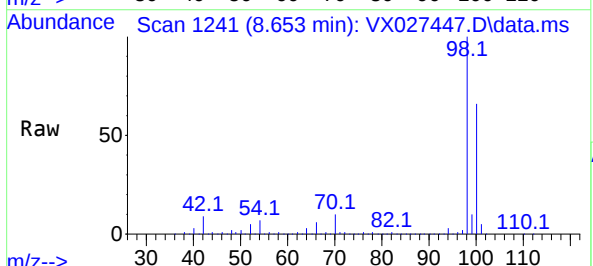
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ClientSampleId :
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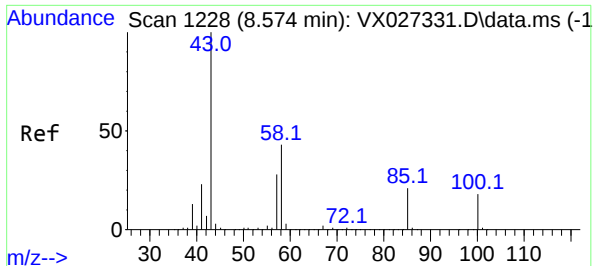
Tgt Ion: 83 Resp: 2070
Ion Ratio Lower Upper
83 100
55 74.0 54.6 81.8
98 59.7 37.4 56.2#



#50
Toluene-d8
Concen: 54.057 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 98 Resp: 708088
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.520 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX027447.D

Acq: 15 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

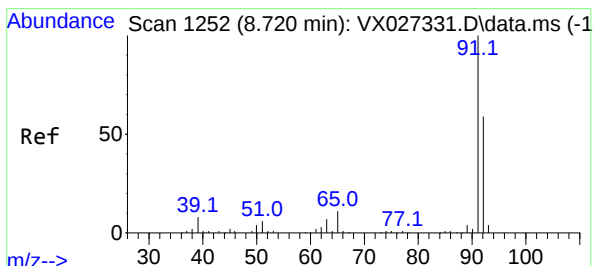
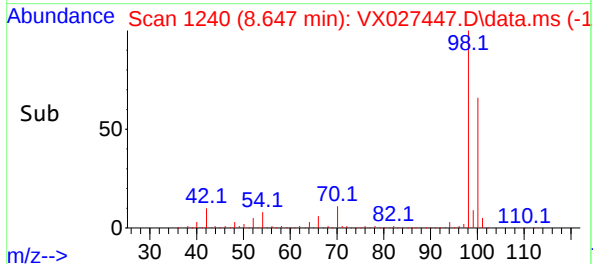
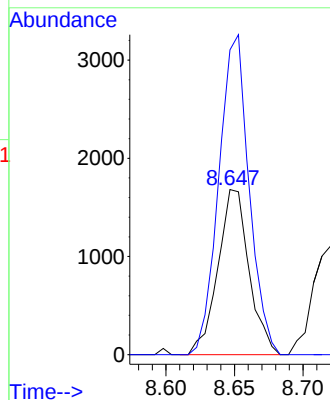
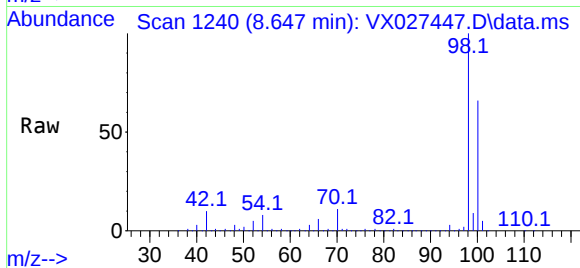
DUP031022DL

Tgt Ion: 43 Resp: 2664

Ion Ratio Lower Upper

43 100

58 188.1 36.1 54.1#



#52

Toluene

Concen: 16.797 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX027447.D

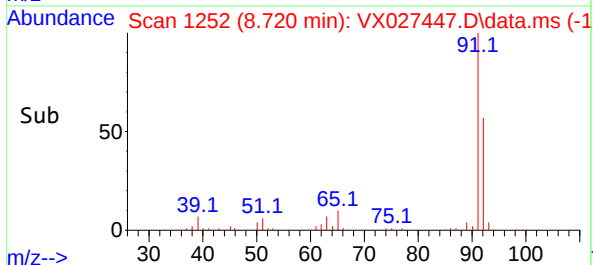
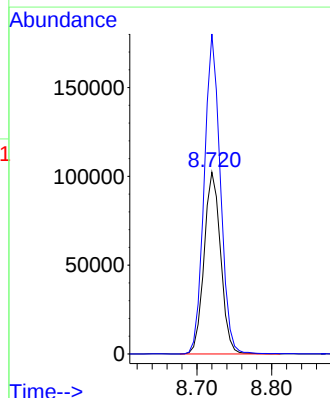
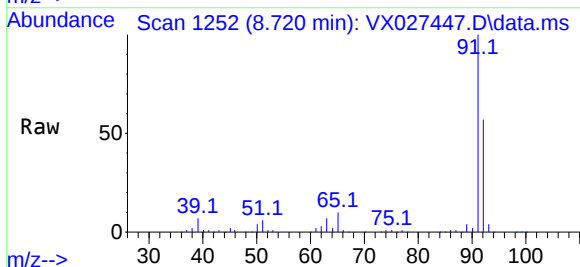
Acq: 15 Mar 2022 15:10

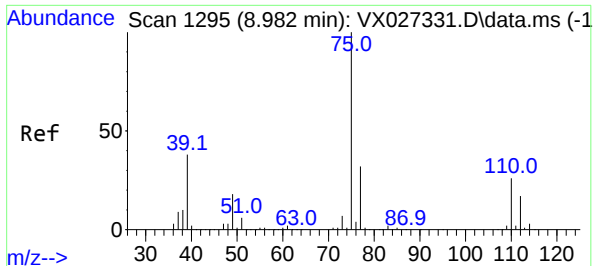
Tgt Ion: 92 Resp: 157111

Ion Ratio Lower Upper

92 100

91 171.7 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 0.342 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX027447.D

Acq: 15 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

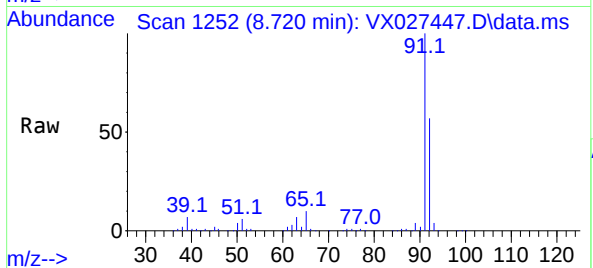
DUP031022DL

Tgt Ion: 75 Resp: 1694

Ion Ratio Lower Upper

75 100

77 154.9 25.4 38.0#



Abundance

1500

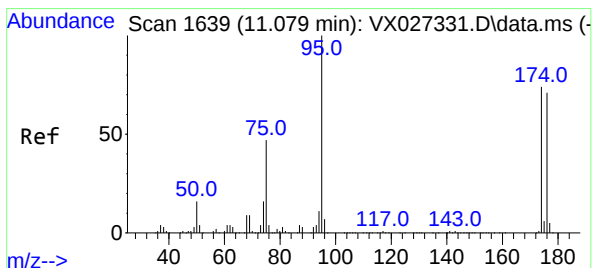
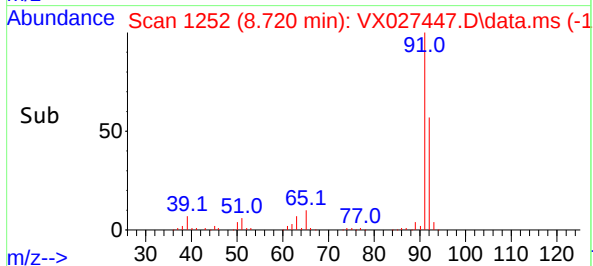
1000

500

0

8.720

Time-->



#62

4-Bromofluorobenzene

Concen: 54.621 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027447.D

Acq: 15 Mar 2022 15:10

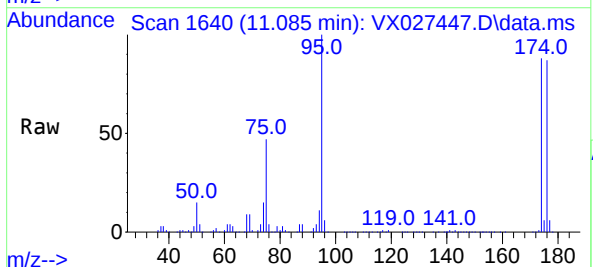
Tgt Ion: 95 Resp: 272688

Ion Ratio Lower Upper

95 100

174 83.1 0.0 163.0

176 80.5 0.0 155.0



Abundance

200000

150000

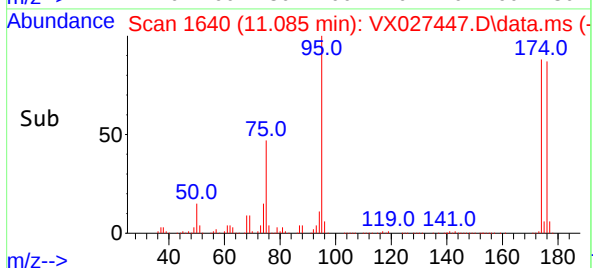
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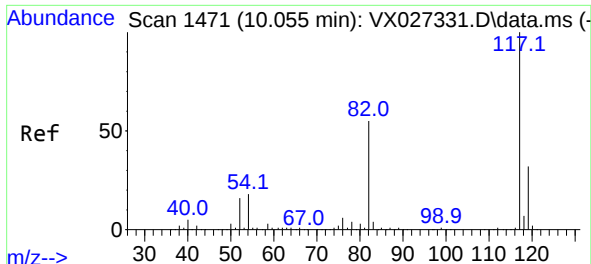
50000

0

11.085

Time-->

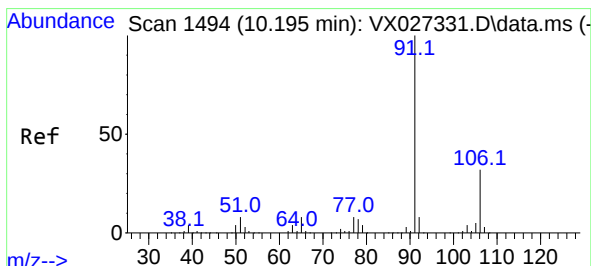
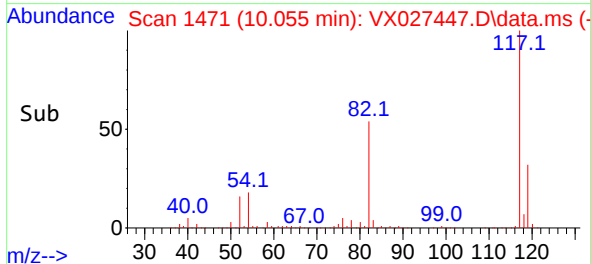
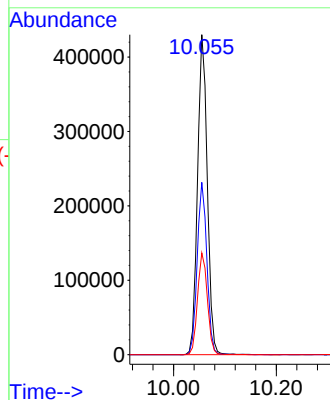
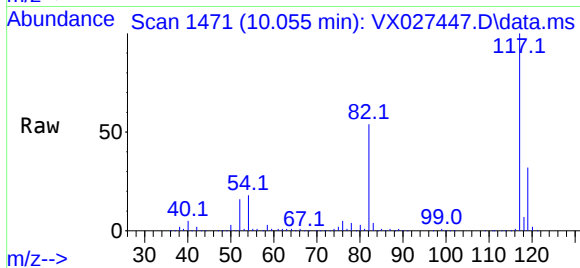




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

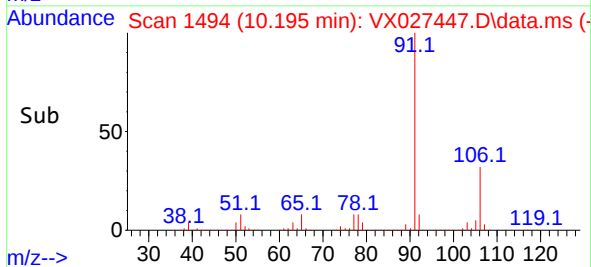
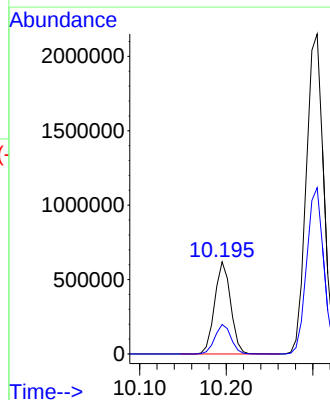
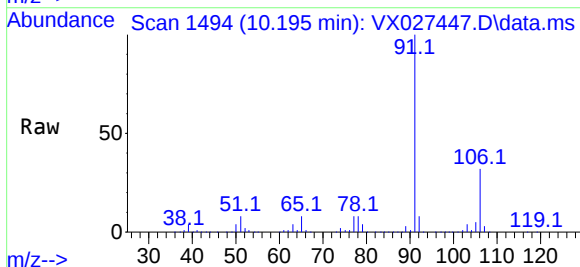
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

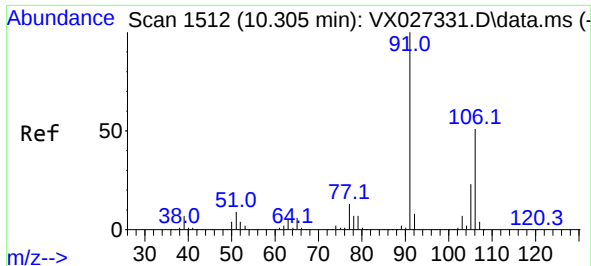
Tgt Ion:117 Resp: 567529
Ion Ratio Lower Upper
117 100
82 53.9 41.8 62.8
119 31.8 24.8 37.2



#67
Ethyl Benzene
Concen: 38.631 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 91 Resp: 795450
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8

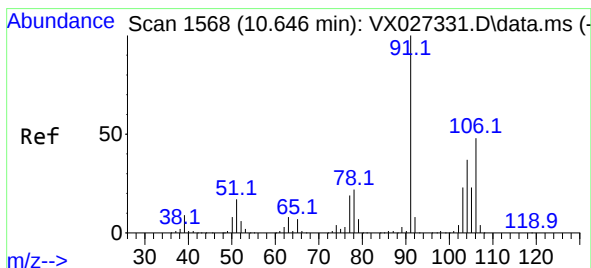
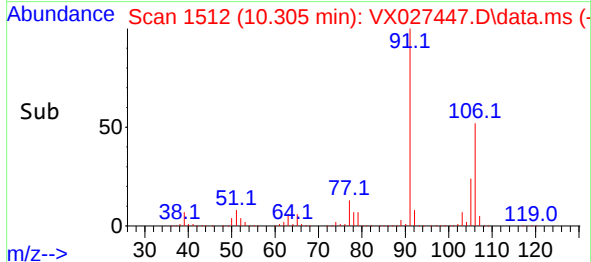
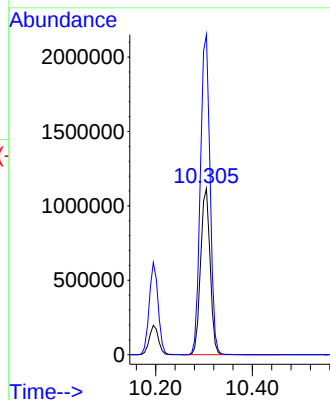
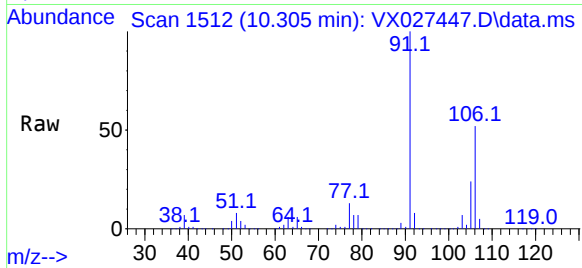




#68
m/p-Xylenes
Concen: 187.661 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

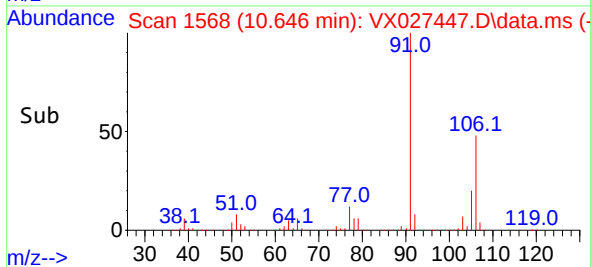
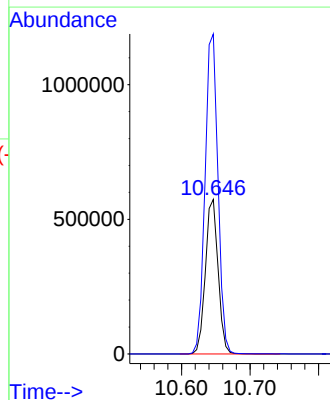
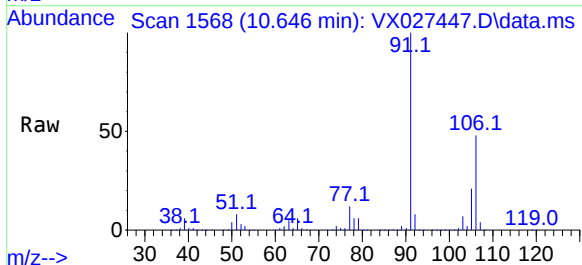
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

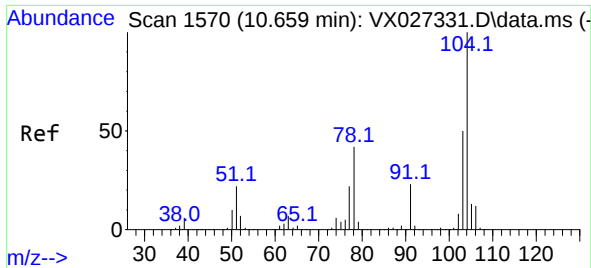
Tgt Ion:106 Resp: 1515674
Ion Ratio Lower Upper
106 100
91 196.4 160.4 240.6



#69
o-Xylene
Concen: 92.864 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion:106 Resp: 740502
Ion Ratio Lower Upper
106 100
91 210.4 106.1 318.1

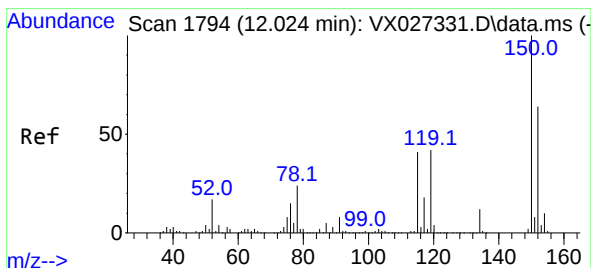
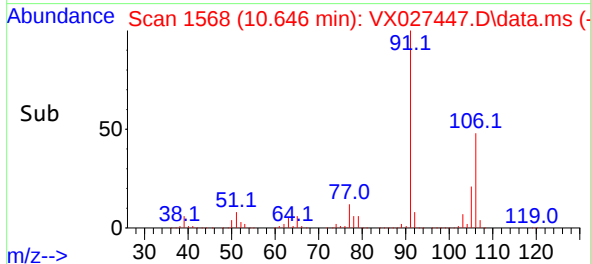
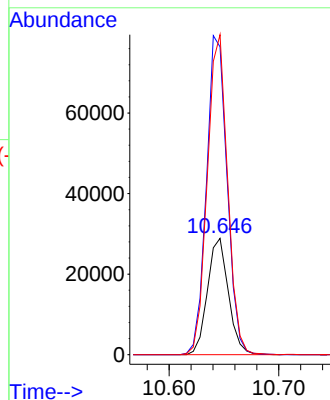
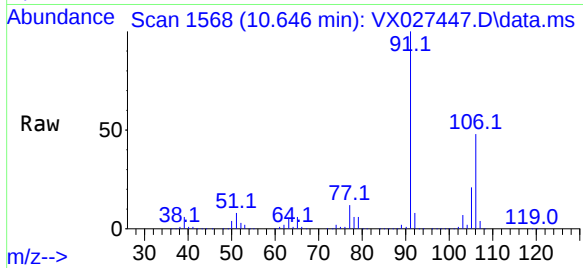




#70
Styrene
Concen: 2.905 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.013 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

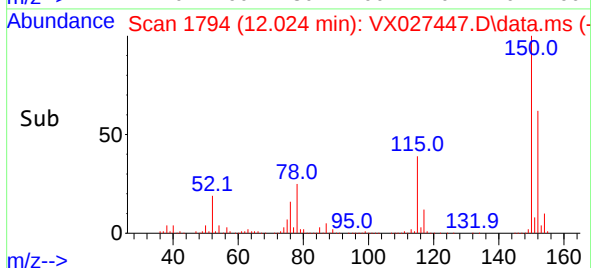
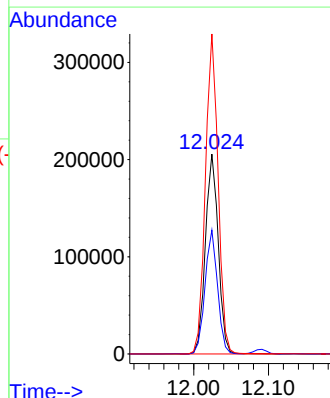
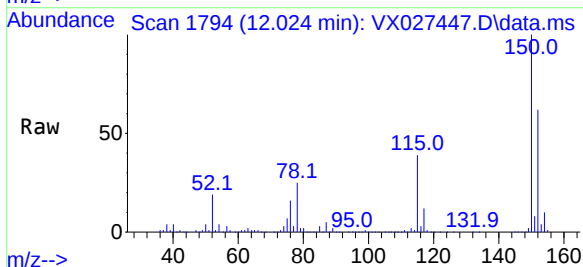
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

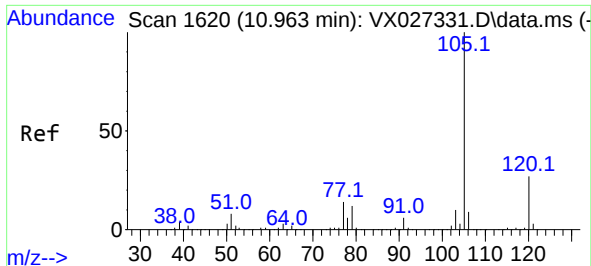
Tgt Ion:104 Resp: 38445
Ion Ratio Lower Upper
104 100
78 269.8 38.6 57.8#
103 265.8 43.8 65.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion:152 Resp: 245830
Ion Ratio Lower Upper
152 100
115 60.2 37.5 112.7
150 157.7 0.0 338.2

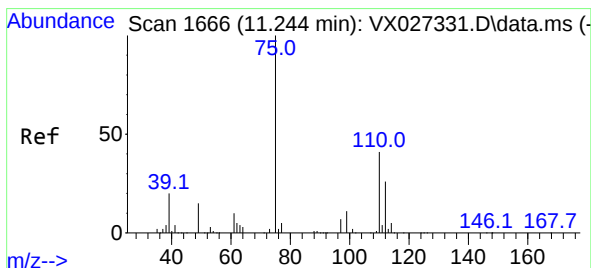
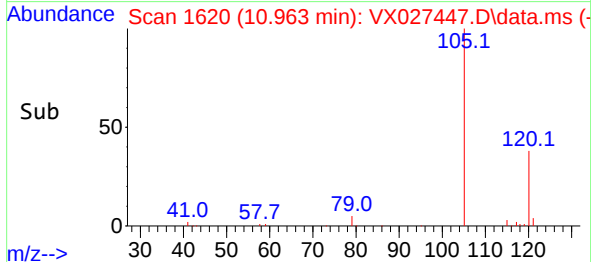
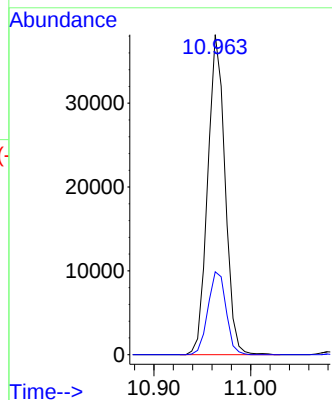
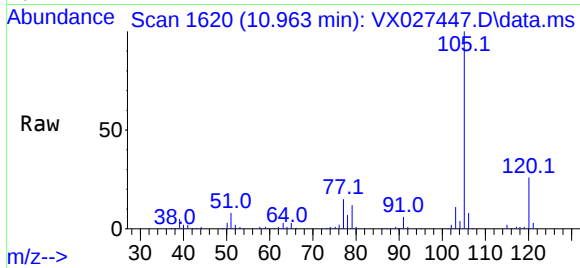




#73
Isopropylbenzene
Concen: 2.653 ug/l
RT: 10.963 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

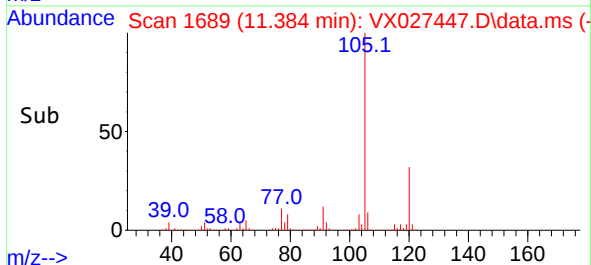
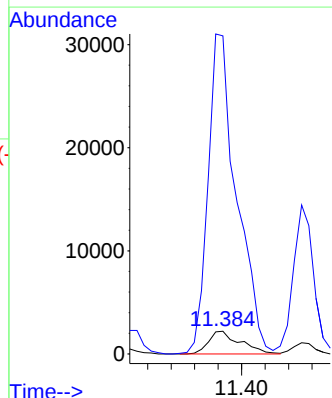
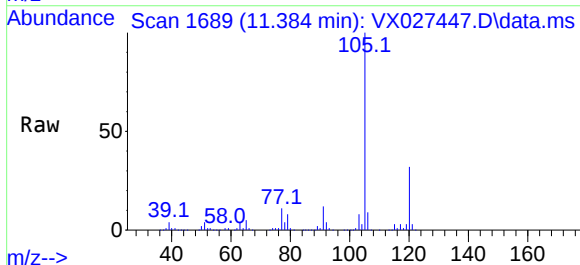
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

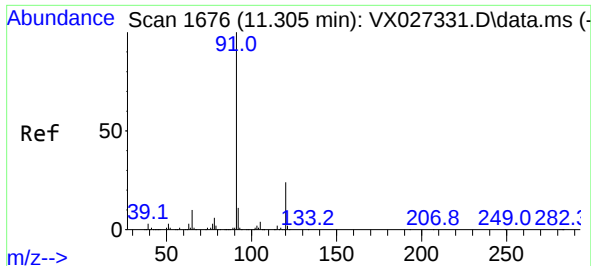
Tgt Ion:105 Resp: 47692
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.5



#76
1,2,3-Trichloropropane
Concen: 0.764 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.140 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 75 Resp: 4123
Ion Ratio Lower Upper
75 100
77 1274.9 19.4 58.2#

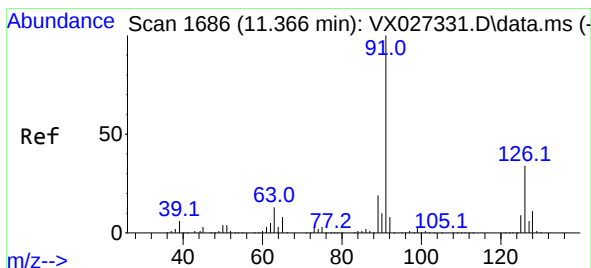
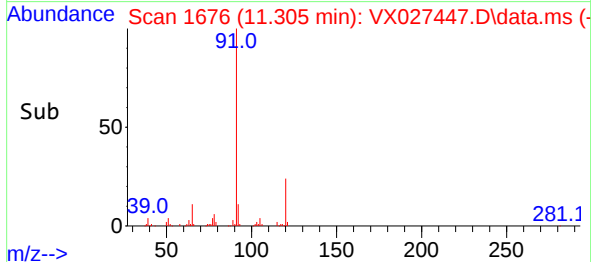
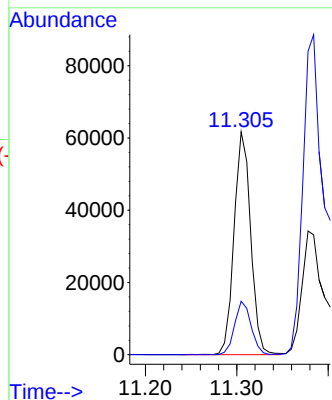
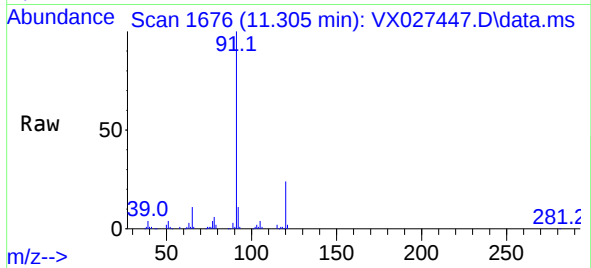




#78
n-propylbenzene
Concen: 3.854 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

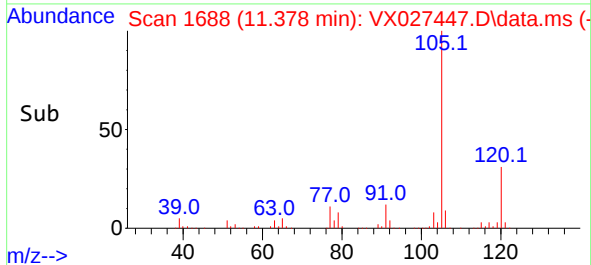
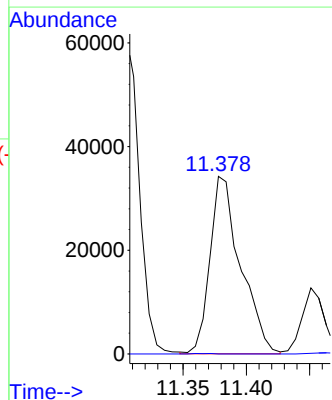
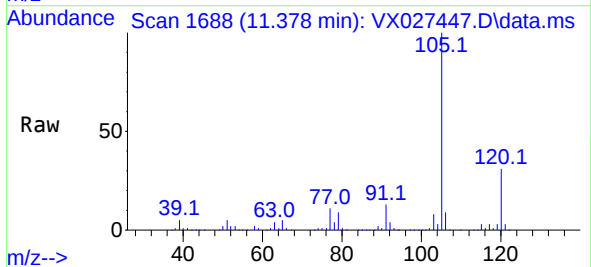
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

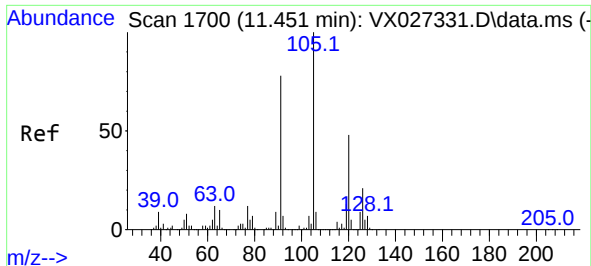
Tgt Ion: 91 Resp: 77937
Ion Ratio Lower Upper
91 100
120 23.8 11.6 34.8



#79
2-Chlorotoluene
Concen: 4.561 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 91 Resp: 57646
Ion Ratio Lower Upper
91 100
126 0.2 17.3 51.9#

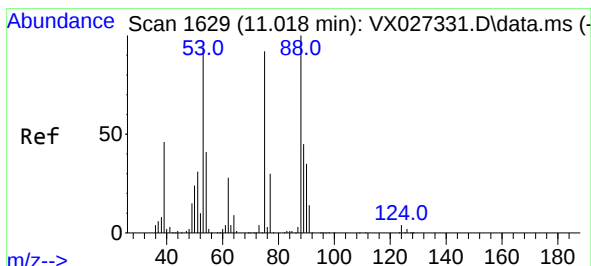
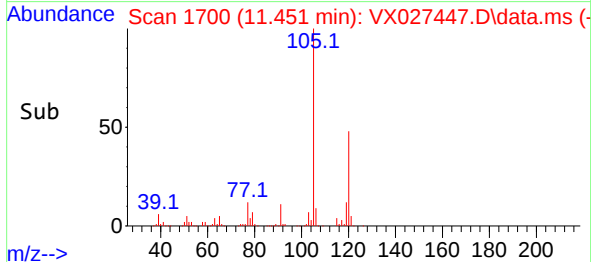
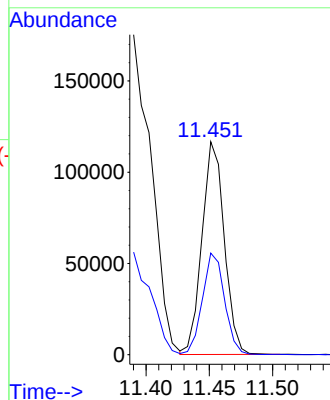
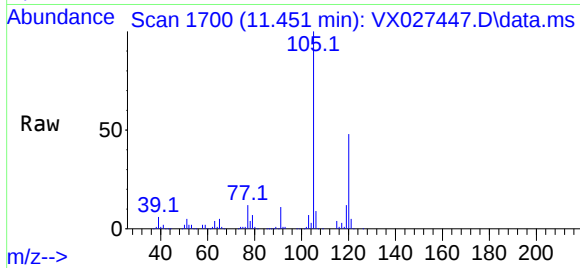




#80
1,3,5-Trimethylbenzene
Concen: 9.289 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

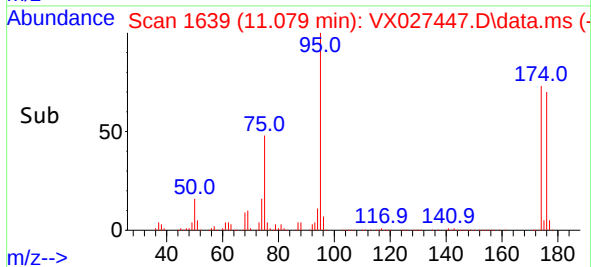
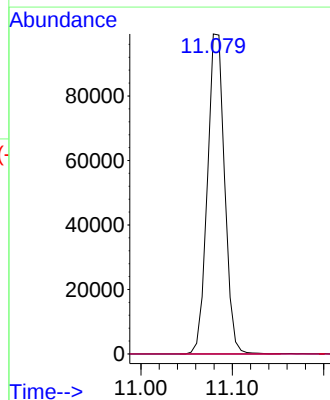
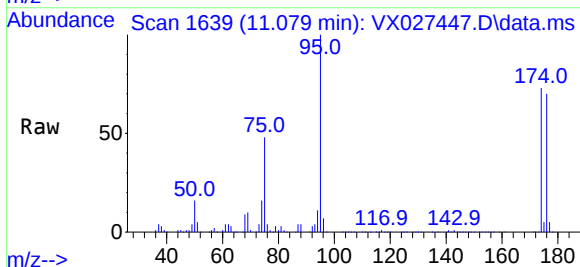
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

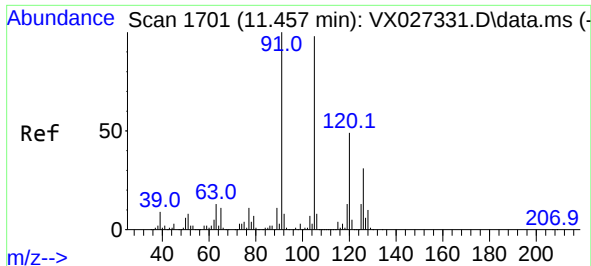
Tgt Ion:105 Resp: 143175
Ion Ratio Lower Upper
105 100
120 47.2 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 77.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 75 Resp: 129380
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

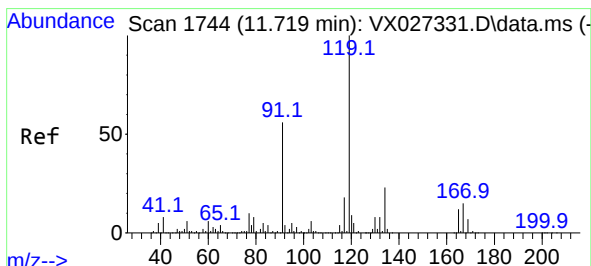
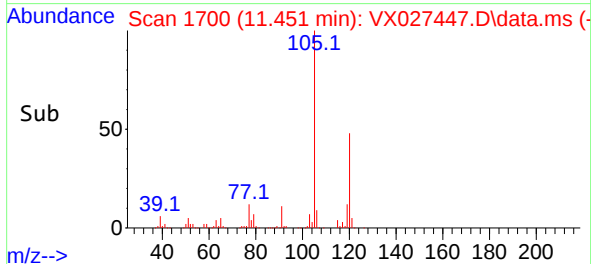
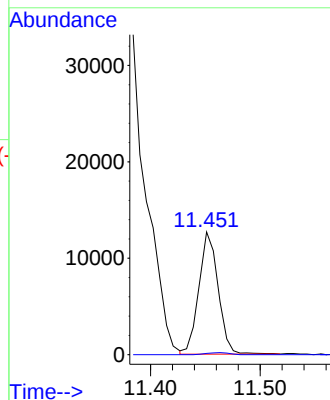
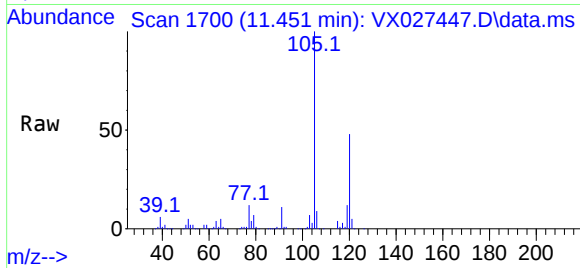




#82
4-Chlorotoluene
Concen: 1.085 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

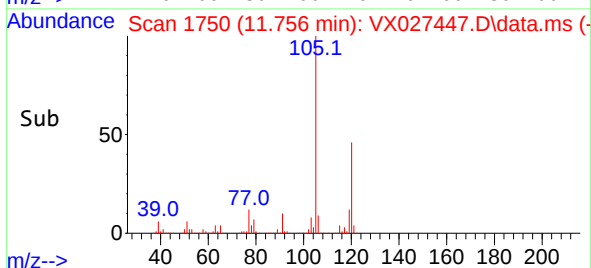
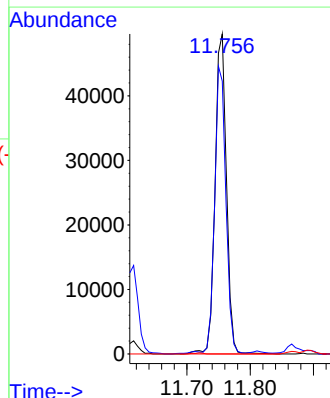
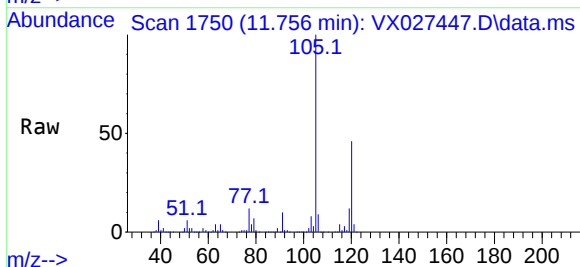
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

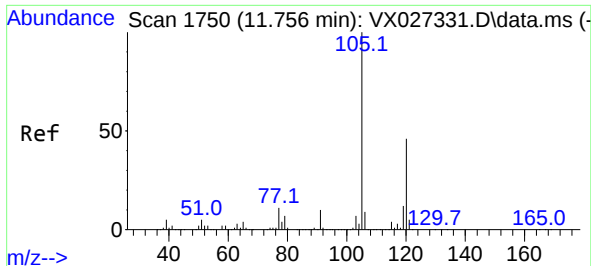
Tgt Ion: 91 Resp: 15515
Ion Ratio Lower Upper
91 100
126 1.9 14.9 44.5#



#83
tert-Butylbenzene
Concen: 4.007 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion: 119 Resp: 61736
Ion Ratio Lower Upper
119 100
91 89.6 26.9 80.6#
134 0.0 11.4 34.2#

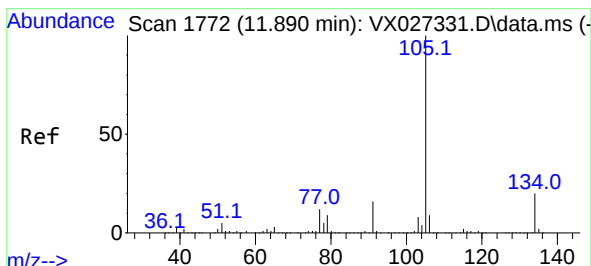
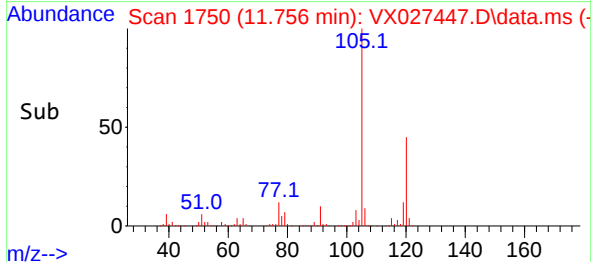
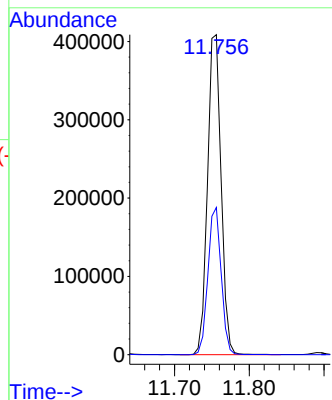
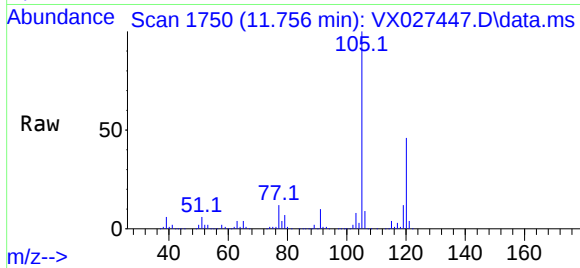




#84
1,2,4-Trimethylbenzene
Concen: 33.678 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

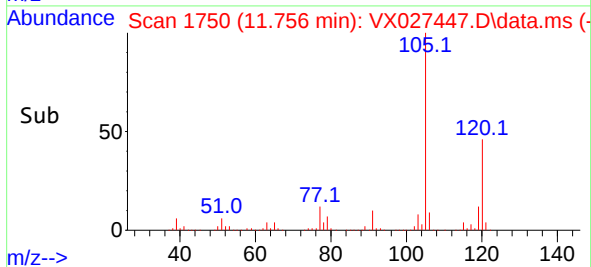
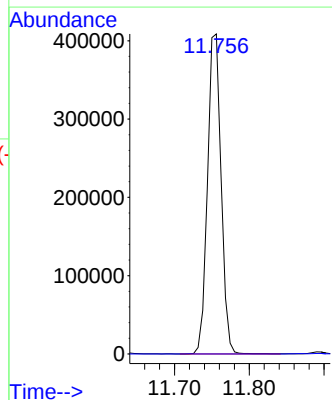
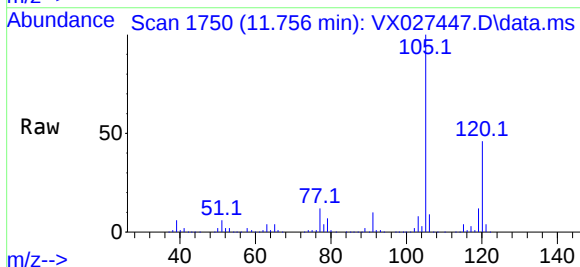
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

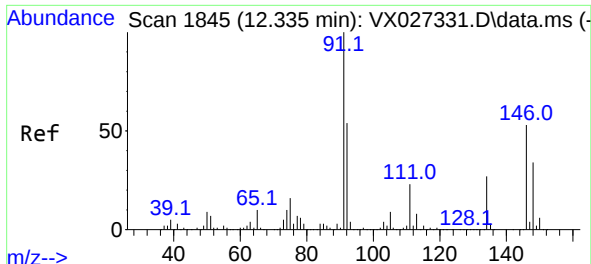
Tgt Ion:105 Resp: 514859
Ion Ratio Lower Upper
105 100
120 45.0 22.6 67.8



#85
sec-Butylbenzene
Concen: 27.706 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027447.D
Acq: 15 Mar 2022 15:10

Tgt Ion:105 Resp: 514859
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#89

n-Butylbenzene

Concen: 0.684 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.012 min

Lab File: VX027447.D

Acq: 15 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

DUP031022DL

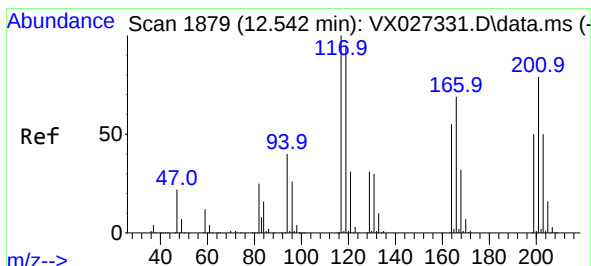
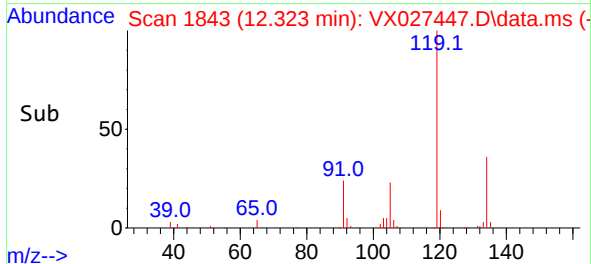
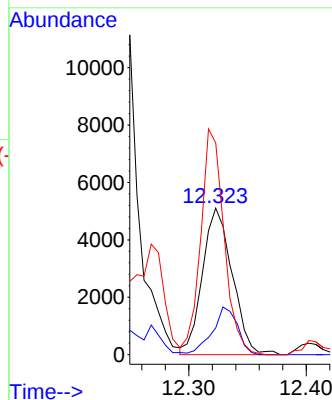
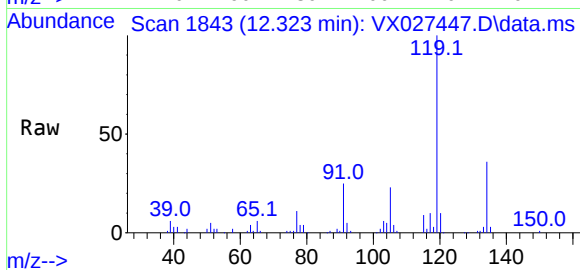
Tgt Ion: 91 Resp: 9016

Ion Ratio Lower Upper

91 100

92 27.3 27.8 83.3#

134 120.7 13.3 39.8#



#90

Hexachloroethane

Concen: 1.297 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.012 min

Lab File: VX027447.D

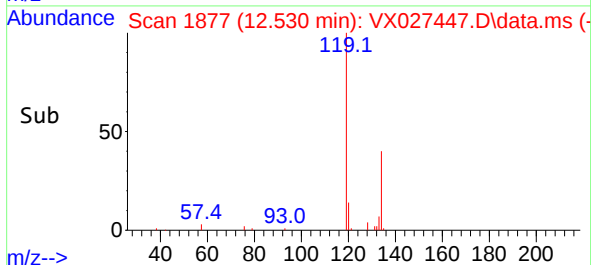
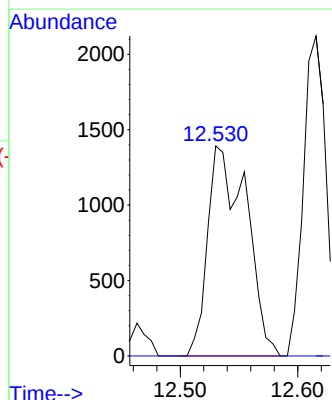
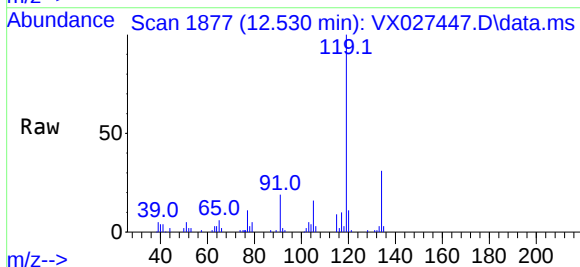
Acq: 15 Mar 2022 15:10

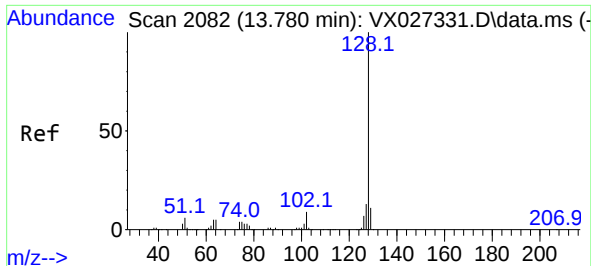
Tgt Ion: 117 Resp: 3181

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#





#95

Naphthalene

Concen: 6.667 ug/l

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027447.D

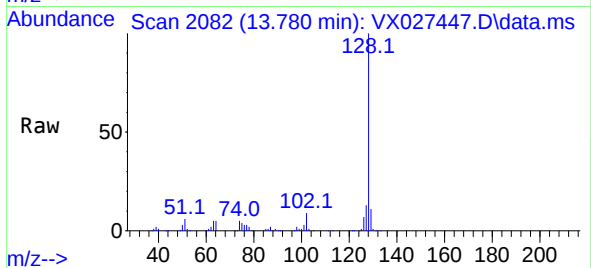
Acq: 15 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

DUP031022DL



Tgt Ion:128 Resp: 123464

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.8 8.7 13.1

