

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031422\
 Data File : VX027423.D
 Acq On : 14 Mar 2022 16:00
 Operator : JC/MD
 Sample : N1895-13DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031022DL

Quant Time: Mar 15 06:03:45 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)

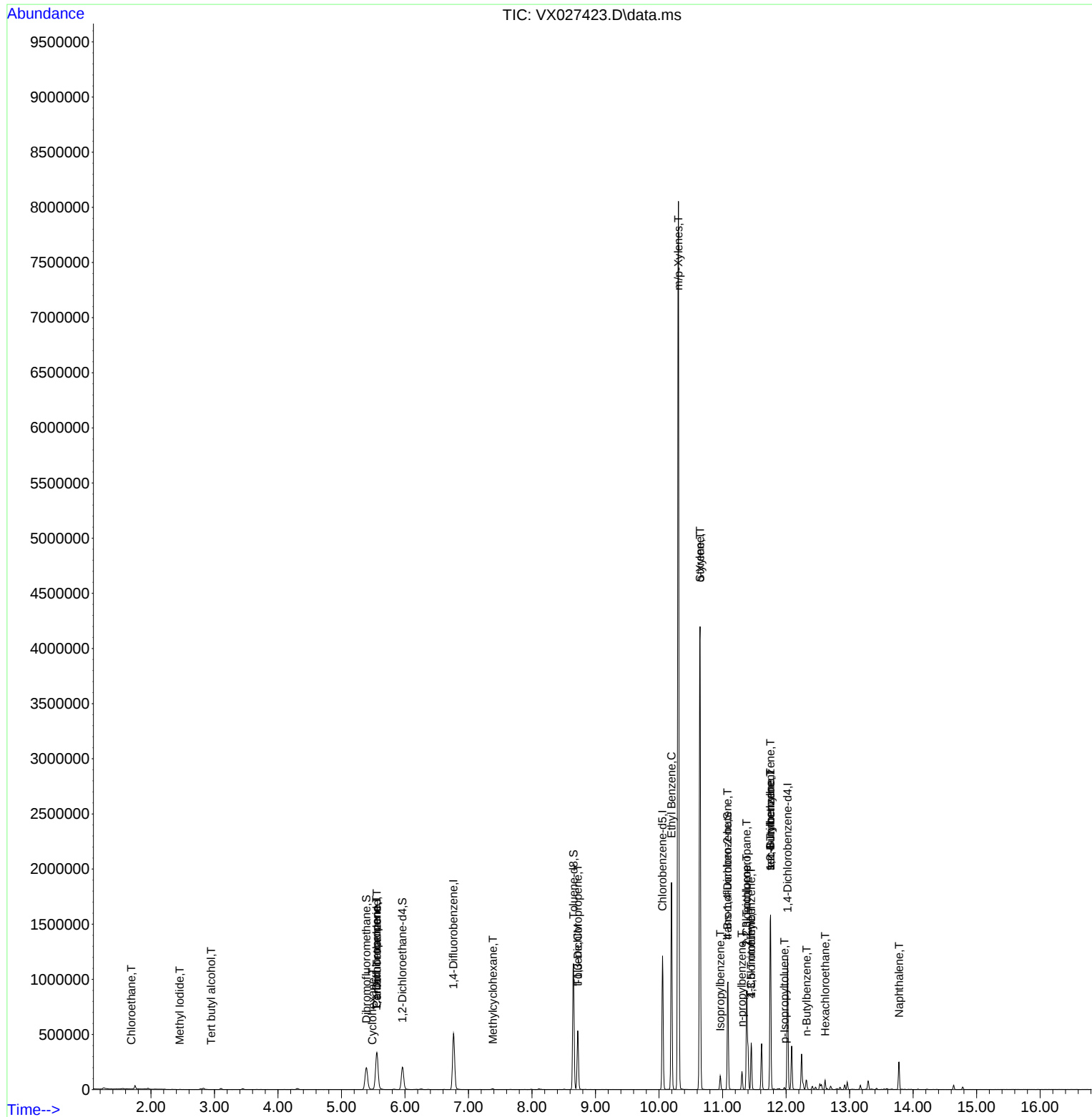
Internal Standards						
1) Pentafluorobenzene	5.556	168	320091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	525354	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	579209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	242896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206163	55.231	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.460%			
35) Dibromofluoromethane	5.391	113	175870	51.881	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.760%			
50) Toluene-d8	8.653	98	727156	56.819	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 113.640%			
62) 4-Bromofluorobenzene	11.079	95	273042	55.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.960%			
Target Compounds			Qvalue			
5) Bromomethane	1.611	94	646	Below Cal		84
6) Chloroethane	1.691	64	239	0.560 ug/l #		43
10) Methyl Iodide	2.453	142	2045	0.449 ug/l #		98
11) Tert butyl alcohol	2.947	59	453	0.619 ug/l #		72
16) Acetone	2.380	43	970	Below Cal #		84
31) Cyclohexane	5.483	56	1659	0.318 ug/l #		66
36) 1,1-Dichloropropene	5.550	75	24068	5.114 ug/l #		50
38) Carbon Tetrachloride	5.556	117	32232	6.623 ug/l #		16
39) Methylcyclohexane	7.385	83	3086	0.519 ug/l #		83
52) Toluene	8.720	92	206969	22.648 ug/l		99
53) t-1,3-Dichloropropene	8.720	75	2109	0.436 ug/l #		1
67) Ethyl Benzene	10.195	91	1058662	50.377 ug/l		98
68) m/p-Xylenes	10.305	106	2001770	242.848 ug/l		95
69) o-Xylene	10.646	106	972864	119.543 ug/l		97
70) Styrene	10.646	104	49407	3.657 ug/l #		1
73) Isopropylbenzene	10.963	105	64135	3.610 ug/l		100
76) 1,2,3-Trichloropropane	11.378	75	5223	0.980 ug/l #		1
78) n-propylbenzene	11.305	91	100481	5.028 ug/l		98
79) 2-Chlorotoluene	11.378	91	74588	5.972 ug/l #		40
80) 1,3,5-Trimethylbenzene	11.451	105	187129	12.287 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.079	75	130007	78.896 ug/l #		15
82) 4-Chlorotoluene	11.451	91	19738	1.397 ug/l #		46
83) tert-Butylbenzene	11.756	119	89385	5.871 ug/l #		55
84) 1,2,4-Trimethylbenzene	11.756	105	729045	48.264 ug/l		100
85) sec-Butylbenzene	11.756	105	728969	39.702 ug/l #		56
86) p-Isopropyltoluene	11.975	119	6862	0.441 ug/l #		73
89) n-Butylbenzene	12.323	91	11405	0.876 ug/l #		13
90) Hexachloroethane	12.616	117	3953	1.632 ug/l #		10
95) Naphthalene	13.780	128	162054	8.856 ug/l		99

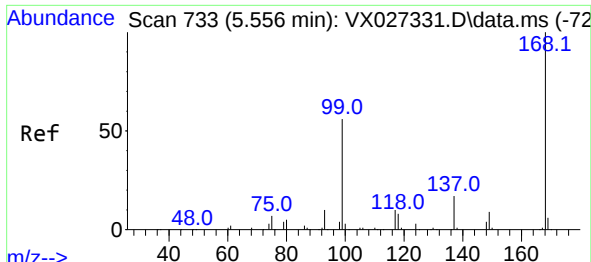
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031422\
Data File : VX027423.D
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Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

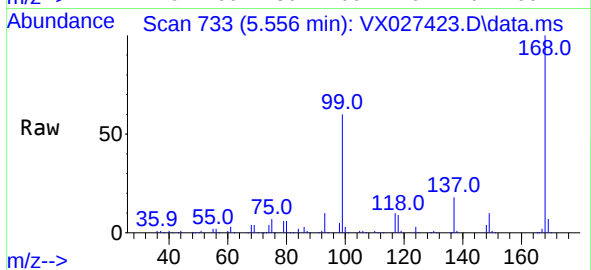
Quant Time: Mar 15 06:03:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration



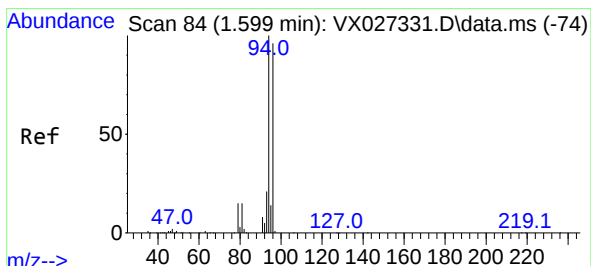
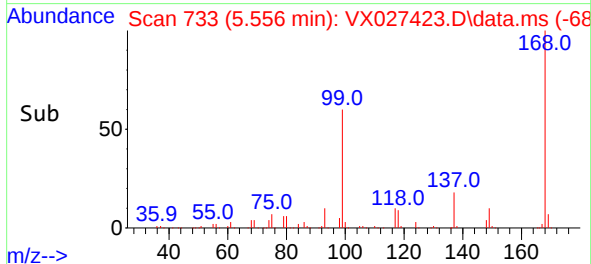
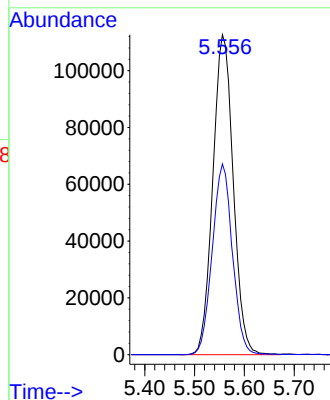


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

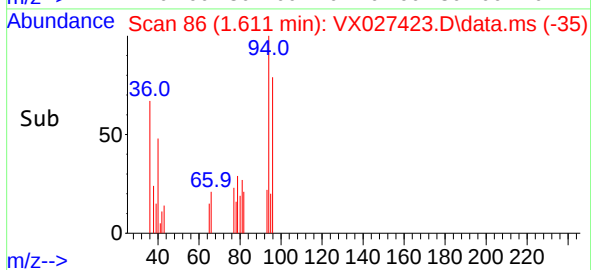
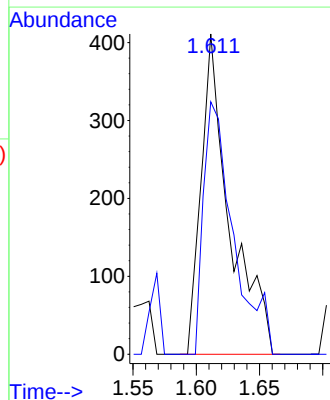
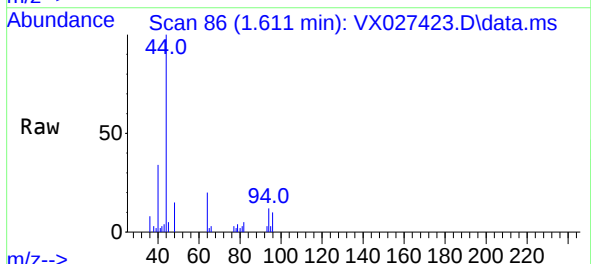


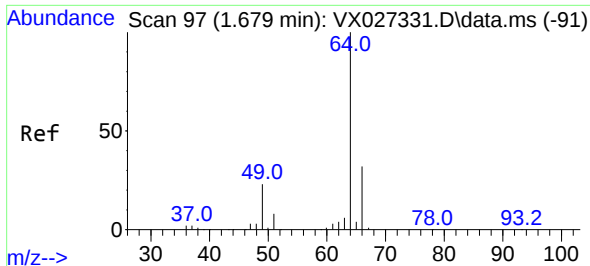
Tgt Ion:168 Resp: 320091
Ion Ratio Lower Upper
168 100
99 59.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 94 Resp: 646
Ion Ratio Lower Upper
94 100
96 78.8 75.3 112.9

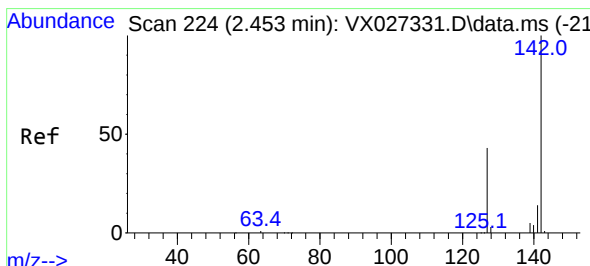
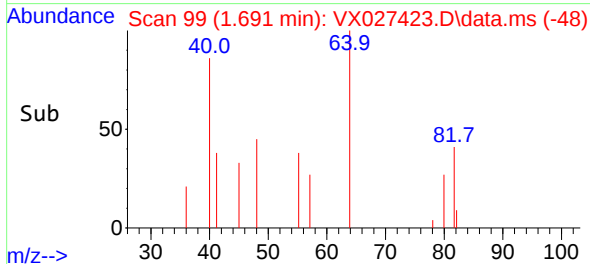
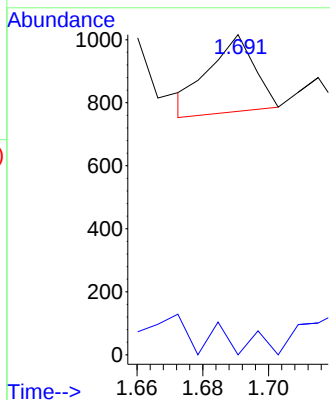
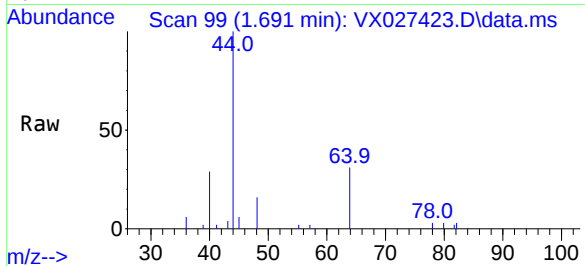




#6
Chloroethane
Concen: 0.560 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

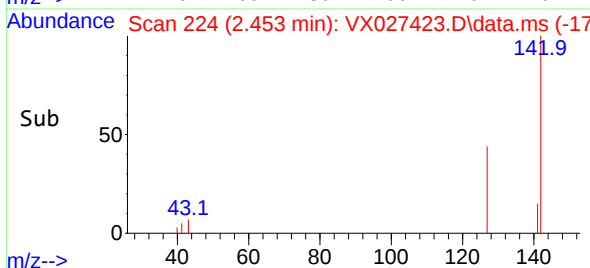
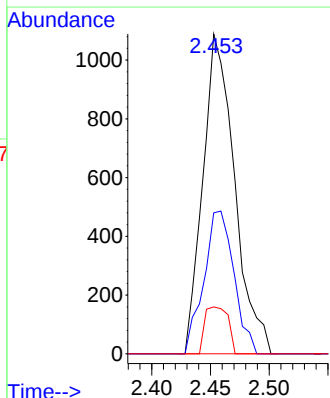
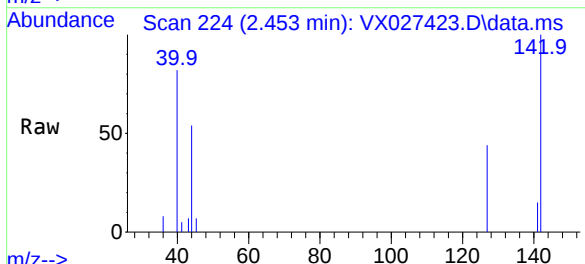
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

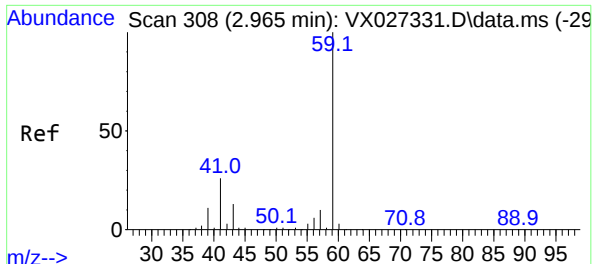
Tgt Ion: 64 Resp: 239
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.449 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 142 Resp: 2045
Ion Ratio Lower Upper
142 100
127 42.2 33.9 50.9
141 10.7 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.619 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX027423.D

Acq: 14 Mar 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

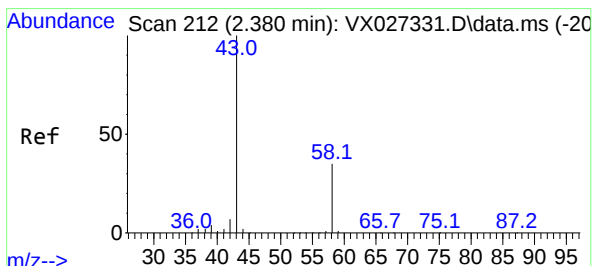
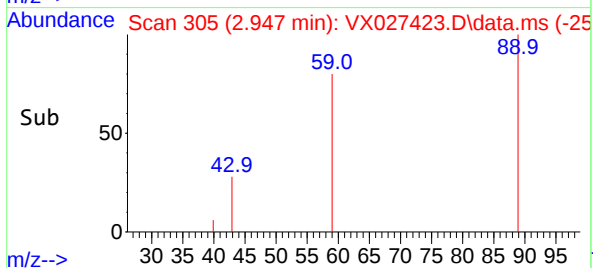
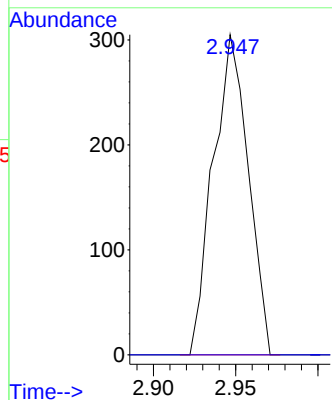
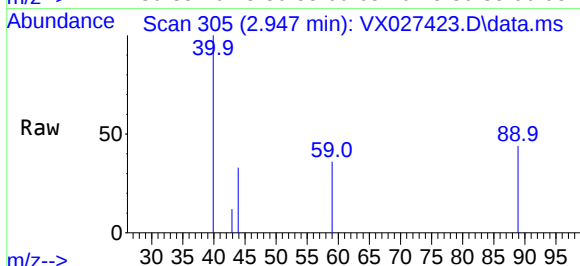
DUP031022DL

Tgt Ion: 59 Resp: 453

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: VX027423.D

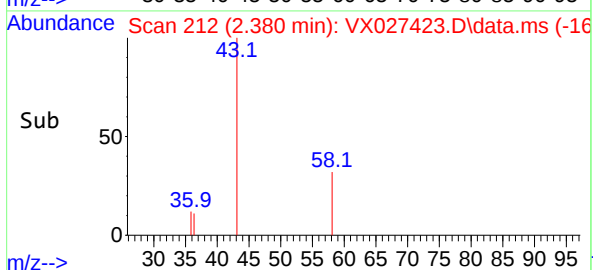
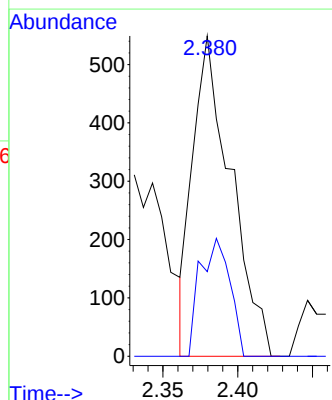
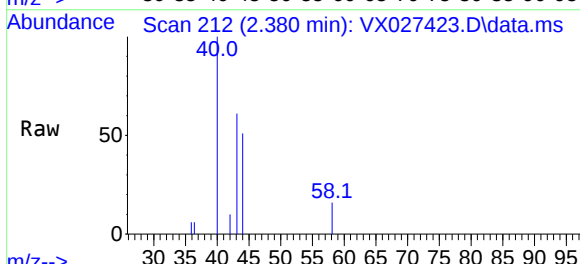
Acq: 14 Mar 2022 16:00

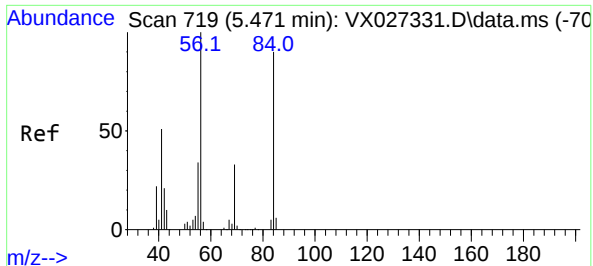
Tgt Ion: 43 Resp: 970

Ion Ratio Lower Upper

43 100

58 26.4 28.8 43.2#

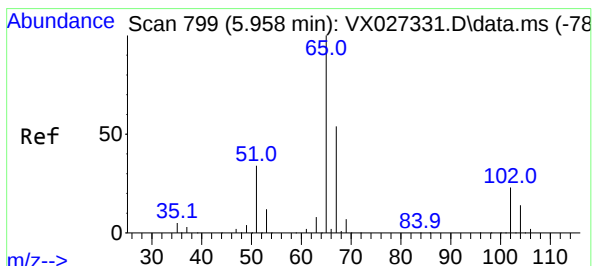
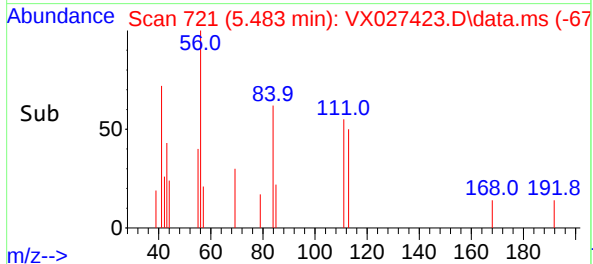
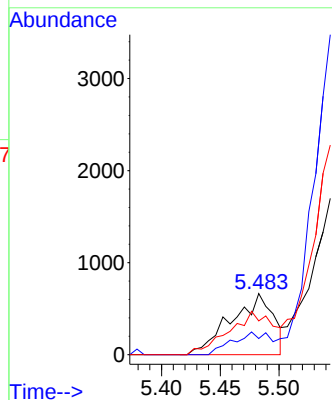
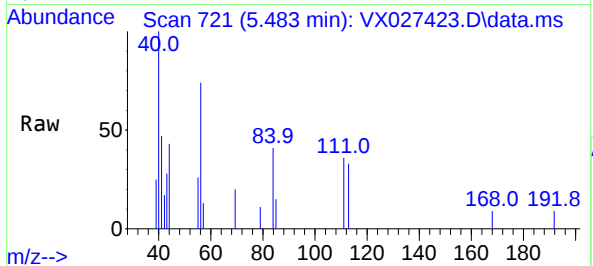




#31
Cyclohexane
Concen: 0.318 ug/l
RT: 5.483 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

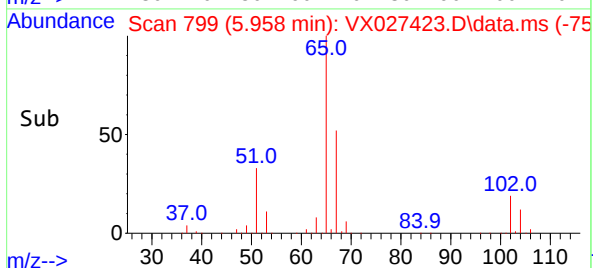
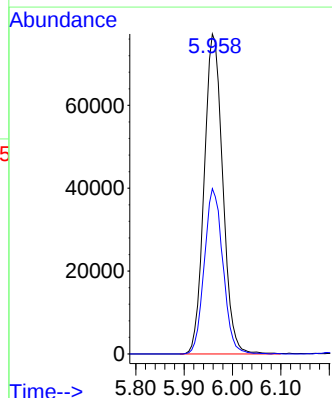
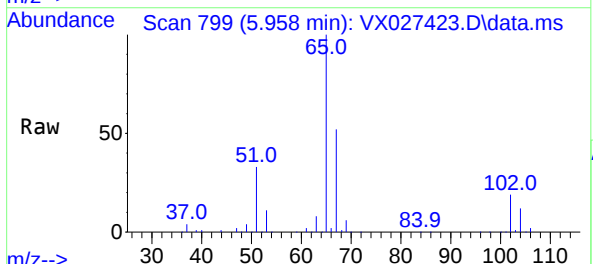
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

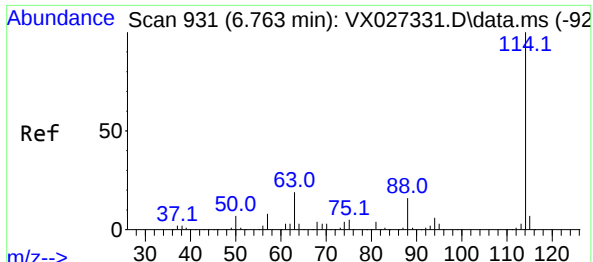
Tgt Ion: 56 Resp: 1659
Ion Ratio Lower Upper
56 100
69 26.5 26.7 40.1#
84 55.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.231 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 65 Resp: 206163
Ion Ratio Lower Upper
65 100
67 51.7 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: VX027423.D

Acq: 14 Mar 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

DUP031022DL

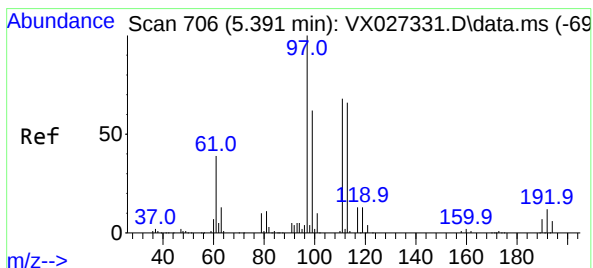
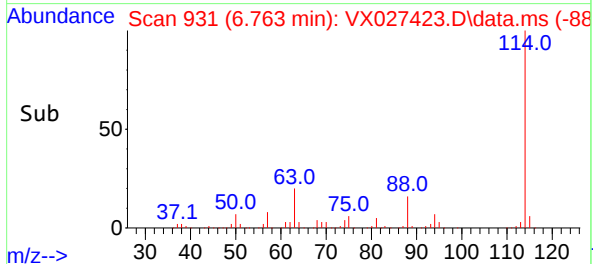
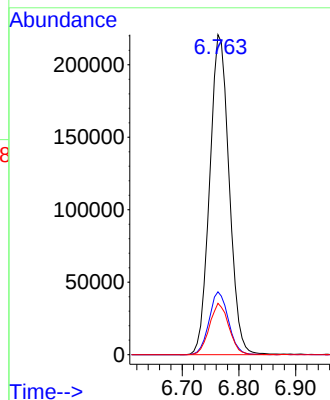
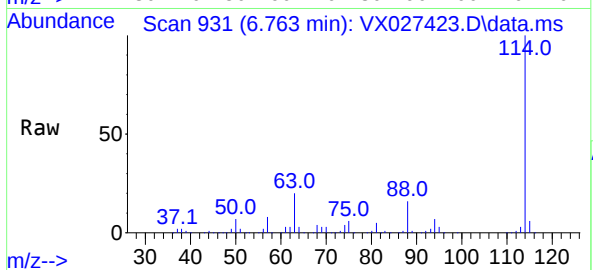
Tgt Ion:114 Resp: 525354

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

88 16.0 0.0 32.4



#35

Dibromofluoromethane

Concen: 51.881 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027423.D

Acq: 14 Mar 2022 16:00

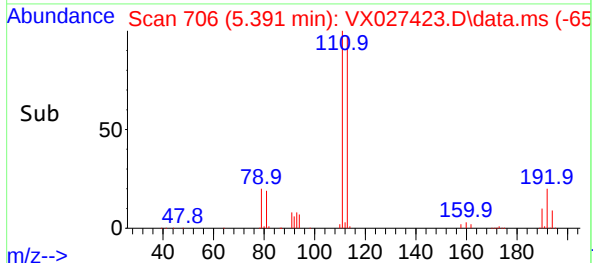
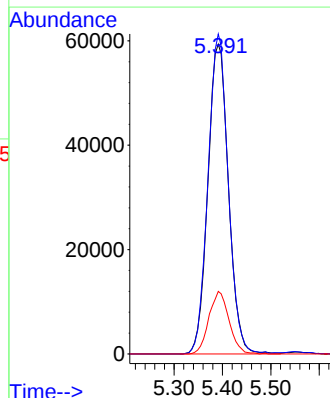
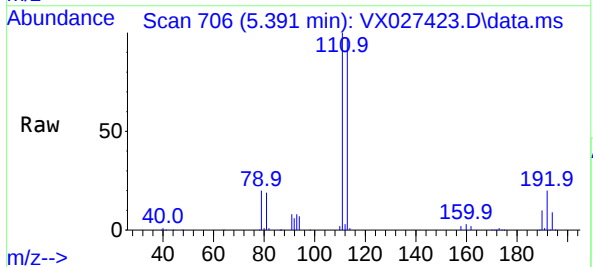
Tgt Ion:113 Resp: 175870

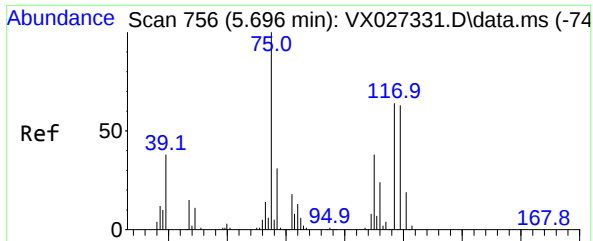
Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

192 19.7 16.9 25.3

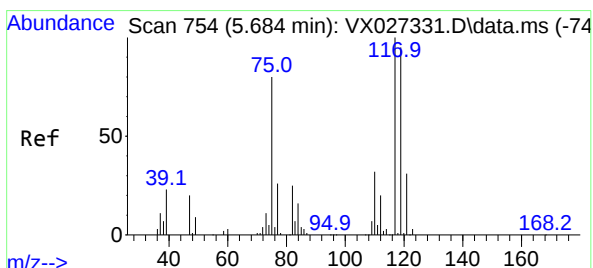
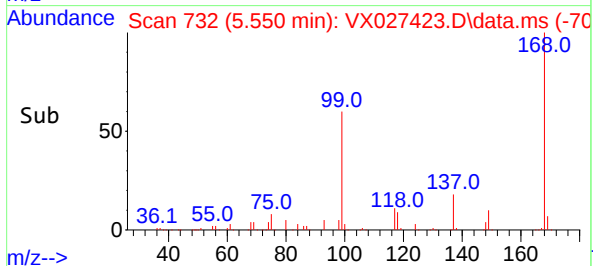
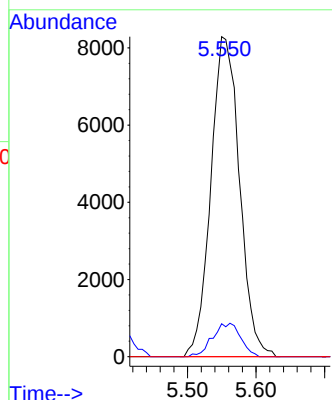
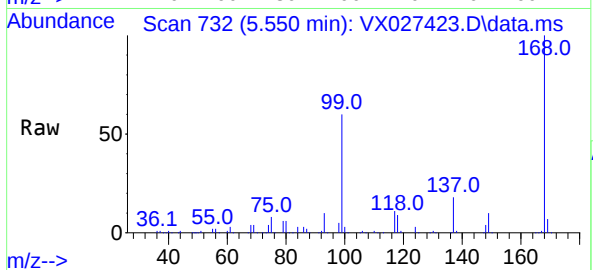




#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

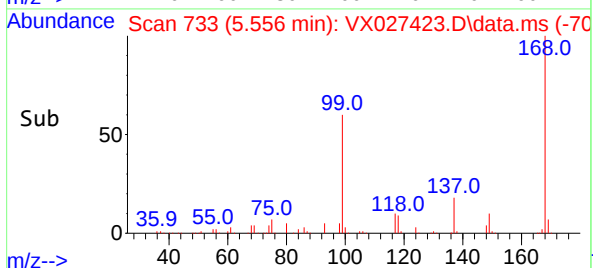
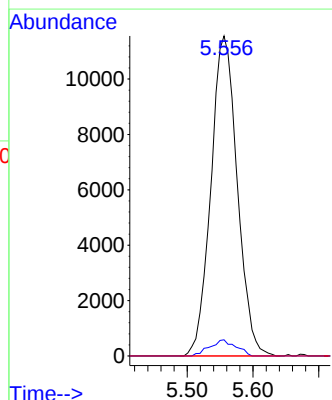
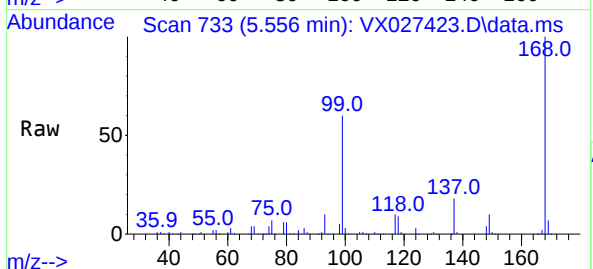
Instrument :
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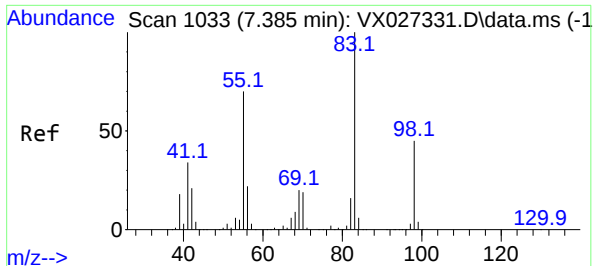
Tgt Ion: 75 Resp: 24068
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.623 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 117 Resp: 32232
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#

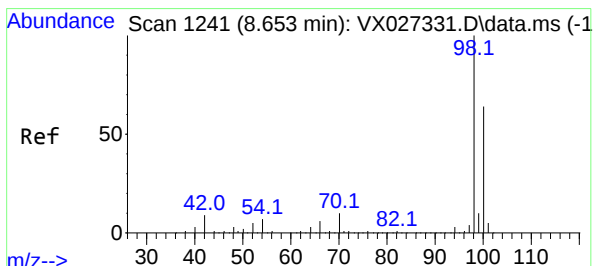
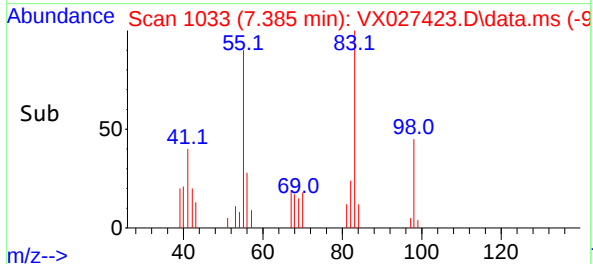
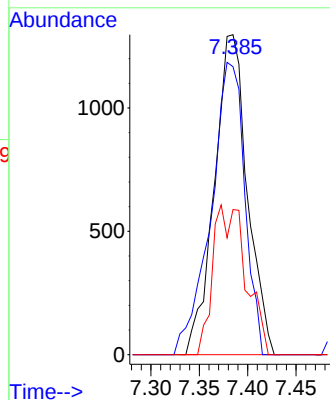
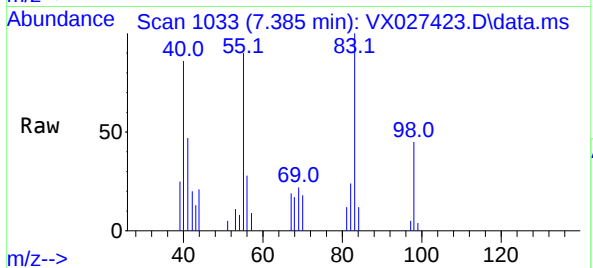




#39
Methylcyclohexane
Concen: 0.519 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

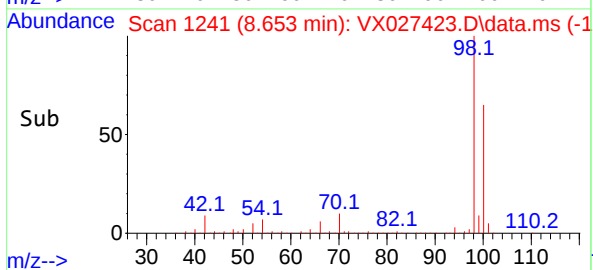
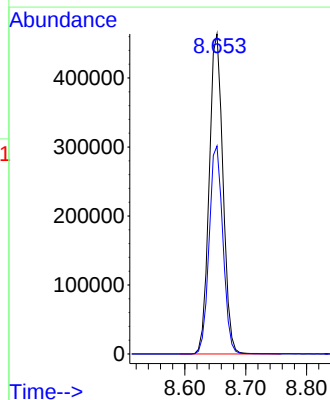
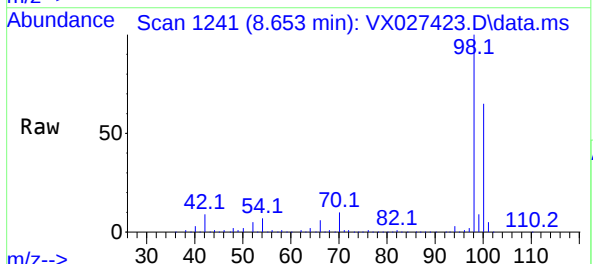
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

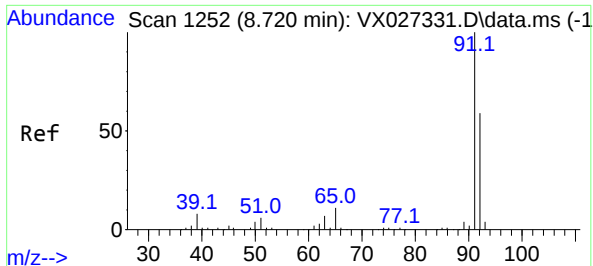
Tgt Ion: 83 Resp: 3086
Ion Ratio Lower Upper
83 100
55 90.0 54.6 81.8#
98 45.3 37.4 56.2



#50
Toluene-d8
Concen: 56.819 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 98 Resp: 727156
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

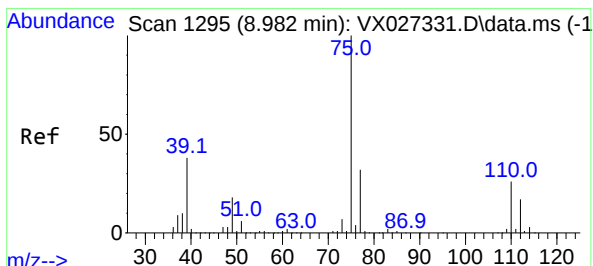
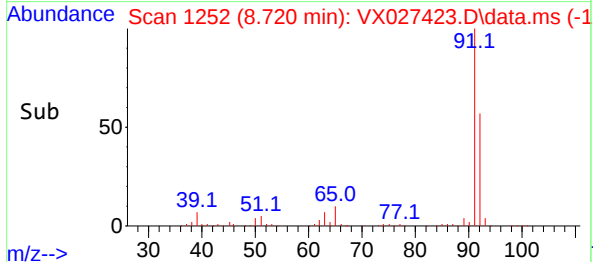
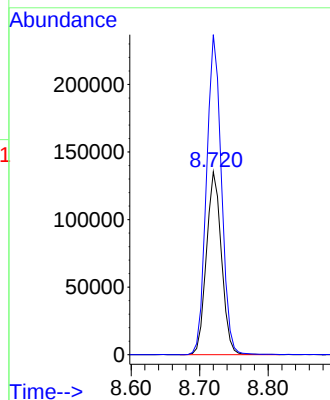
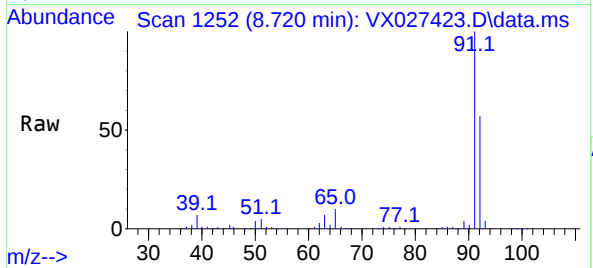




#52
Toluene
Concen: 22.648 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

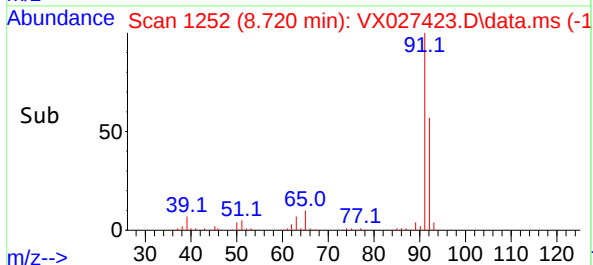
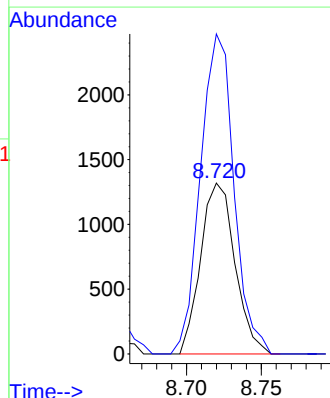
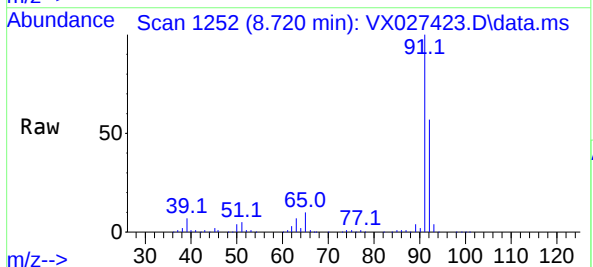
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

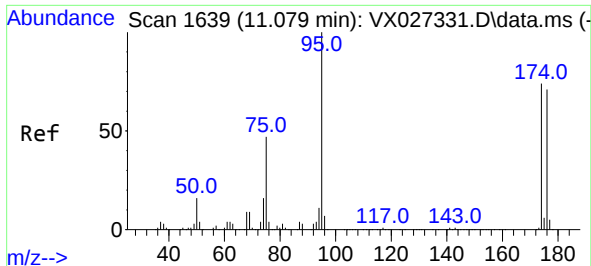
Tgt Ion: 92 Resp: 206969
Ion Ratio Lower Upper
92 100
91 173.5 137.5 206.3



#53
t-1,3-Dichloropropene
Concen: 0.436 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 75 Resp: 2109
Ion Ratio Lower Upper
75 100
77 187.3 25.4 38.0#

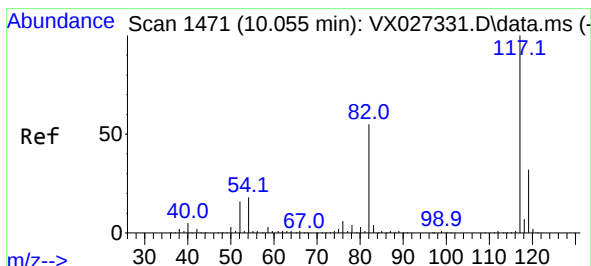
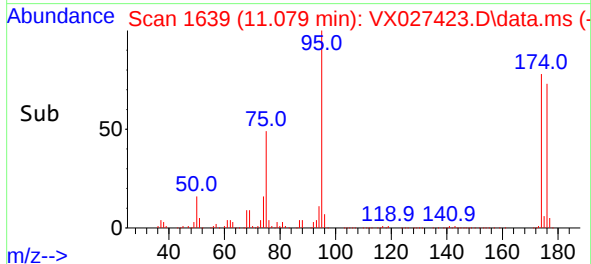
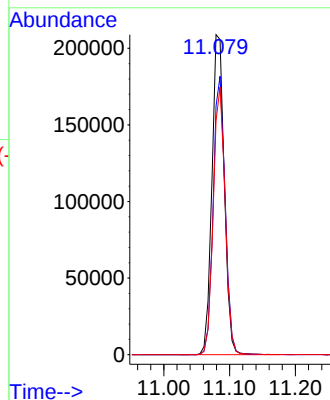
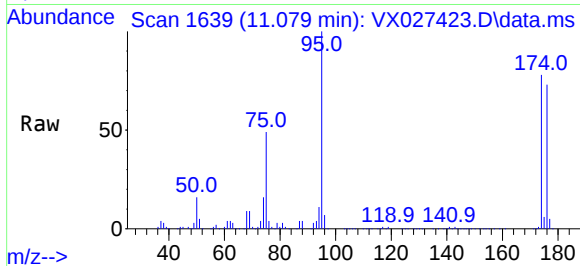




#62
4-Bromofluorobenzene
Concen: 55.978 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

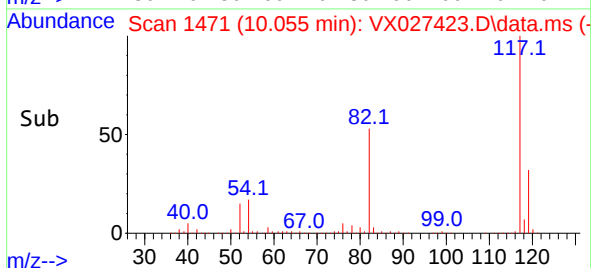
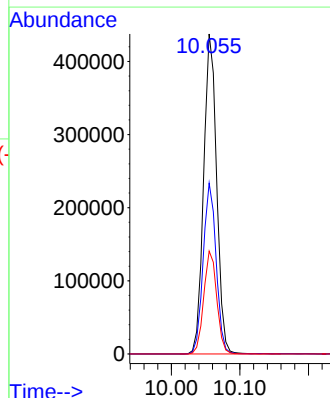
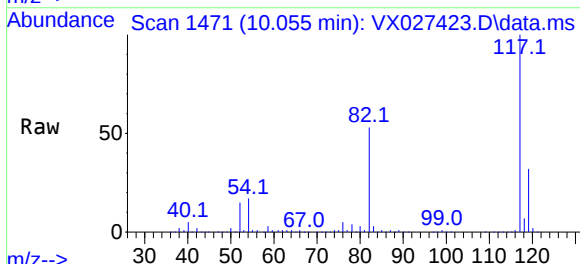
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

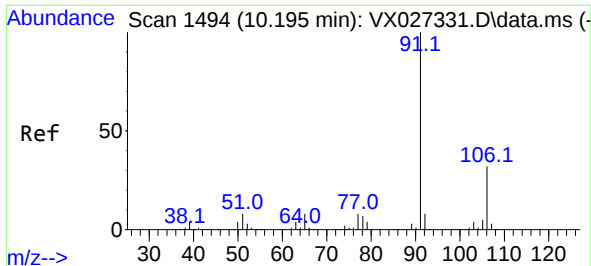
Tgt Ion: 95 Resp: 273042
Ion Ratio Lower Upper
95 100
174 84.0 0.0 163.0
176 80.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 117 Resp: 579209
Ion Ratio Lower Upper
117 100
82 53.4 41.8 62.8
119 32.1 24.8 37.2

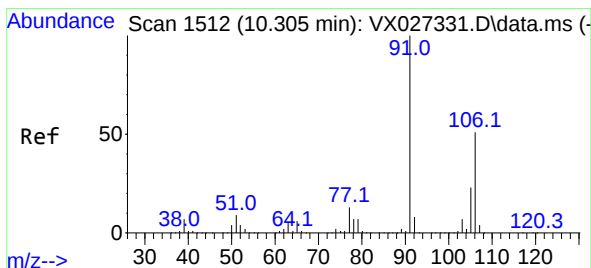
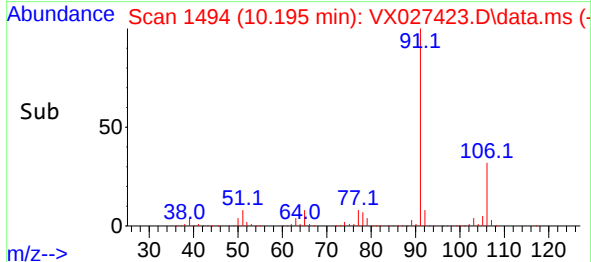
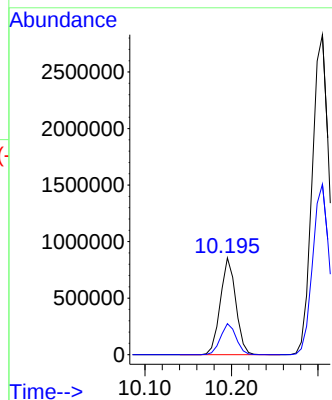
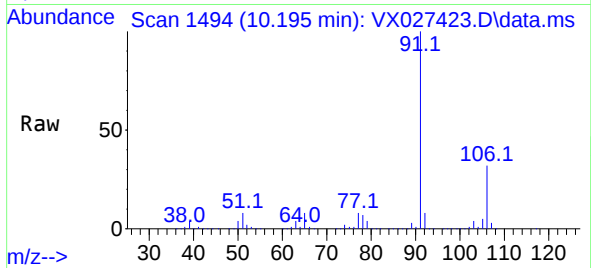




#67
Ethyl Benzene
Concen: 50.377 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

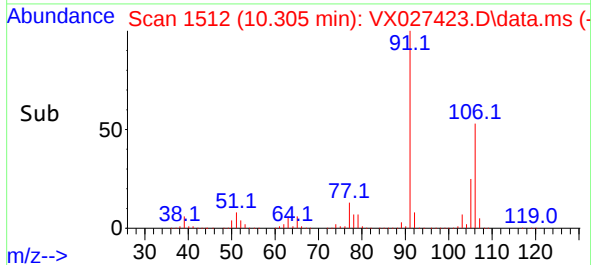
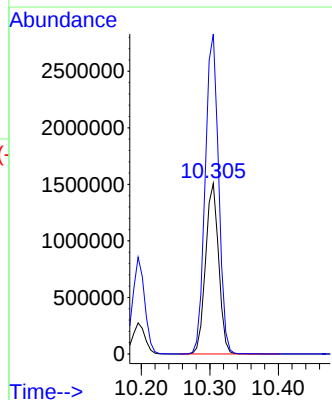
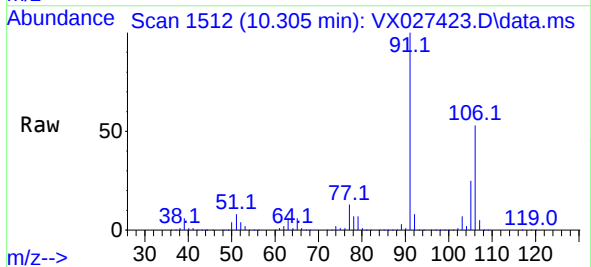
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

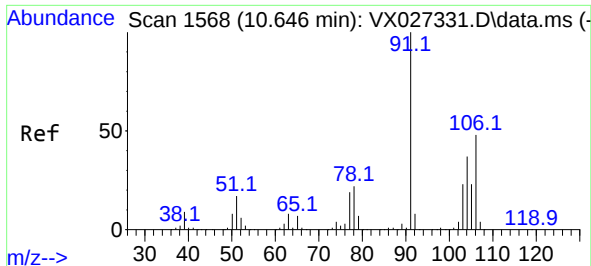
Tgt Ion: 91 Resp: 1058662
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8



#68
m/p-Xylenes
Concen: 242.848 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 106 Resp: 2001770
Ion Ratio Lower Upper
106 100
91 192.5 160.4 240.6

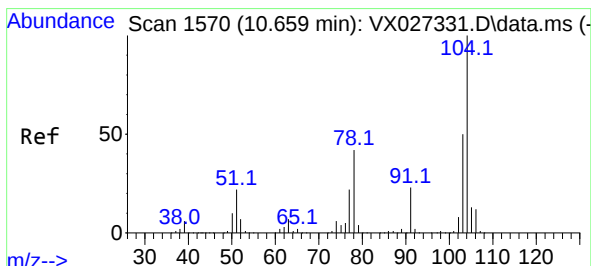
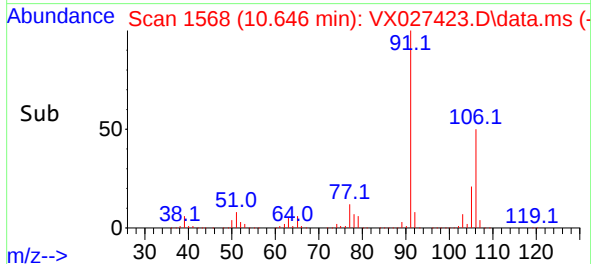
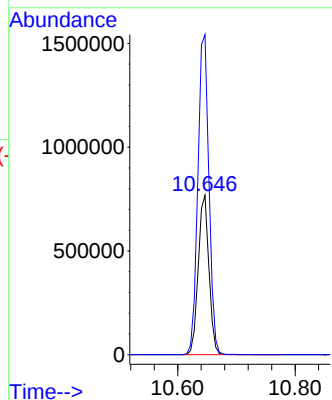
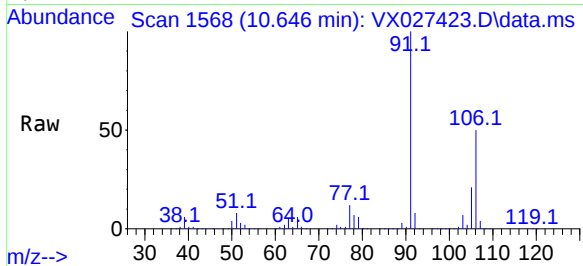




#69
o-Xylene
Concen: 119.543 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

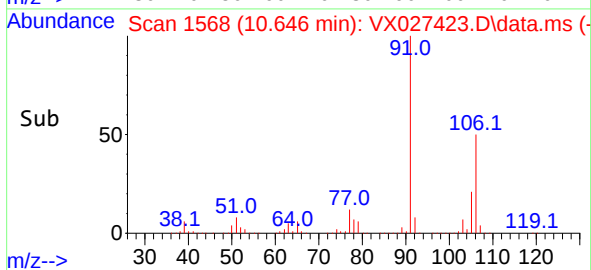
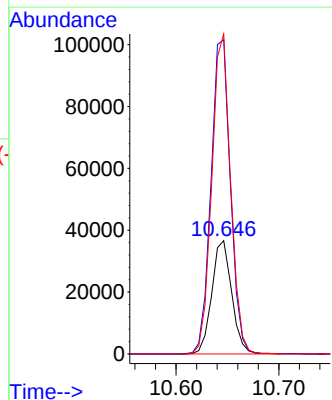
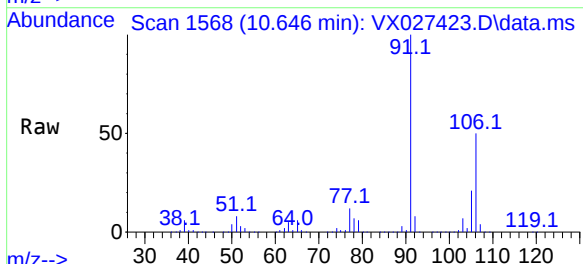
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

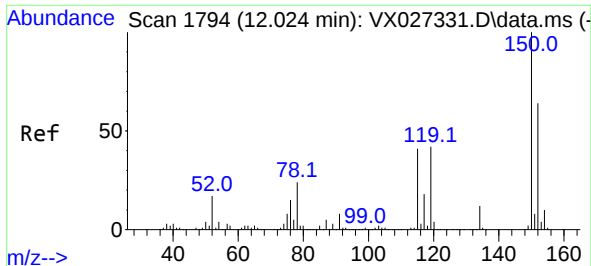
Tgt Ion:106 Resp: 972864
Ion Ratio Lower Upper
106 100
91 207.7 106.1 318.1



#70
Styrene
Concen: 3.657 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.013 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion:104 Resp: 49407
Ion Ratio Lower Upper
104 100
78 271.0 38.6 57.8#
103 266.7 43.8 65.8#

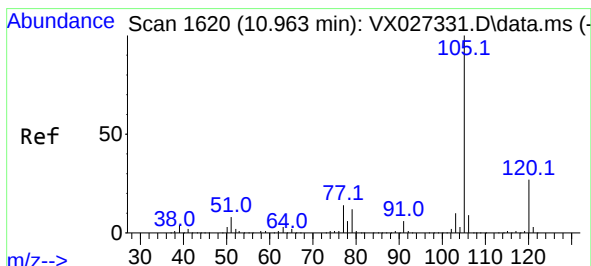
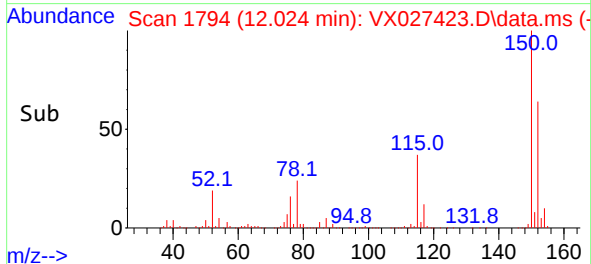
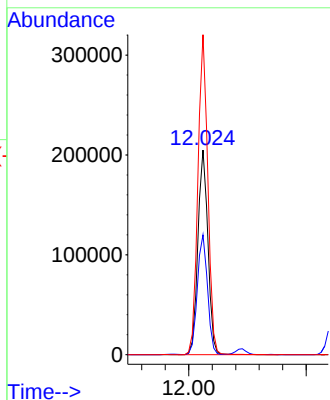
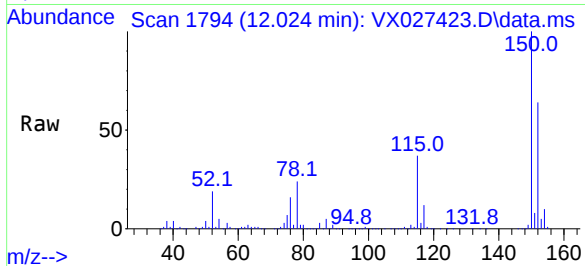




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

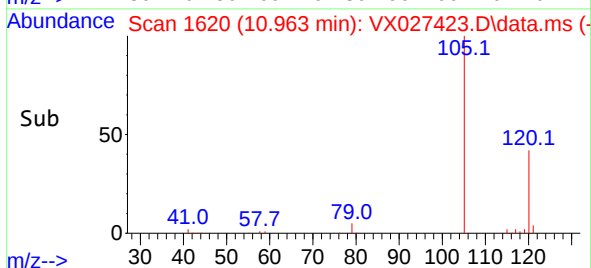
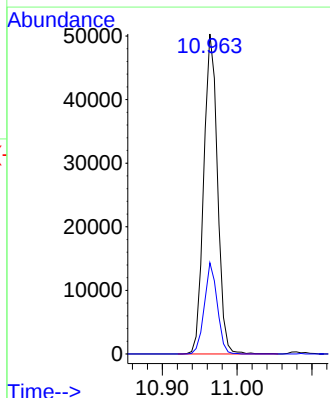
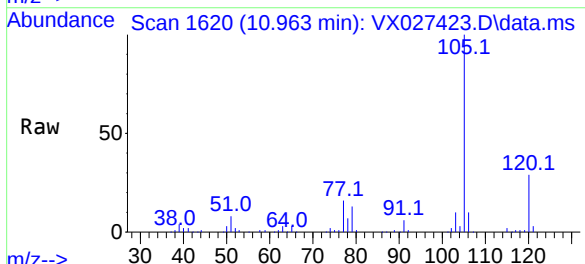
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

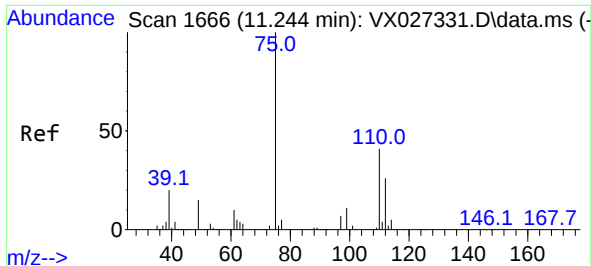
Tgt Ion:152 Resp: 242896
Ion Ratio Lower Upper
152 100
115 59.3 37.5 112.7
150 154.8 0.0 338.2



#73
Isopropylbenzene
Concen: 3.610 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion:105 Resp: 64135
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5

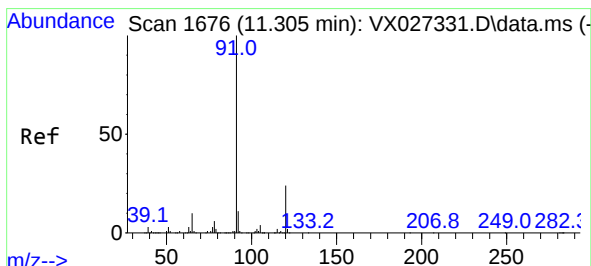
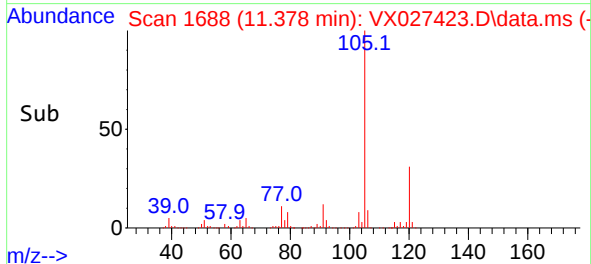
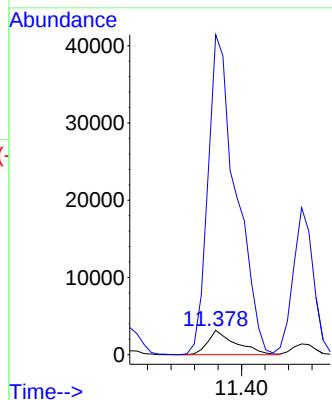
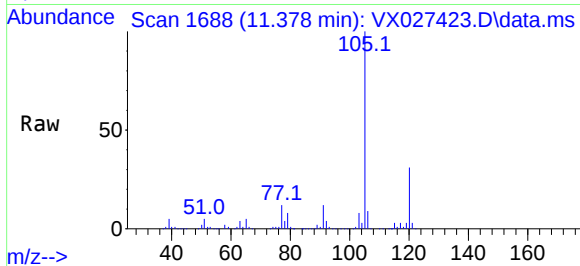




#76
1,2,3-Trichloropropane
Concen: 0.980 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.134 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

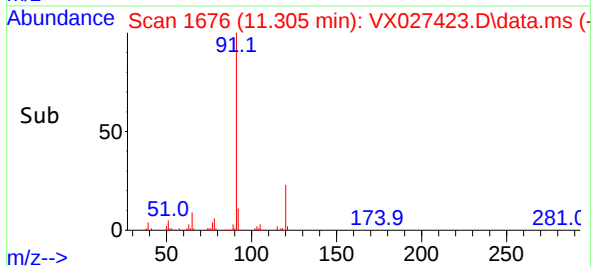
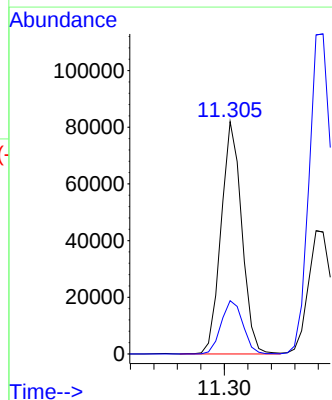
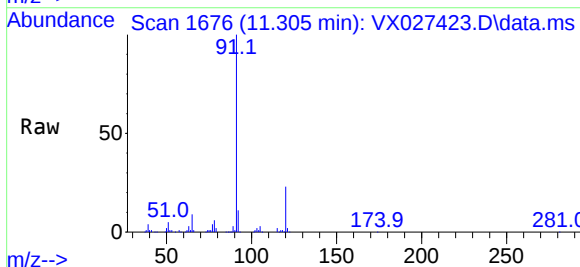
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

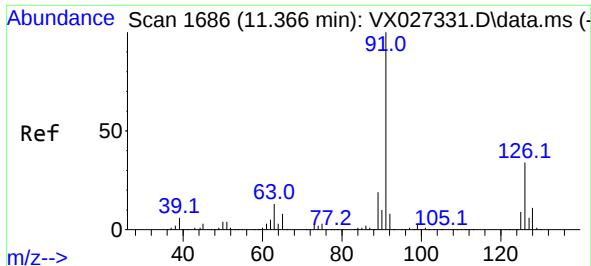
Tgt Ion: 75 Resp: 5223
Ion Ratio Lower Upper
75 100
77 1320.7 19.4 58.2#



#78
n-propylbenzene
Concen: 5.028 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 91 Resp: 100481
Ion Ratio Lower Upper
91 100
120 24.1 11.6 34.8





#79

2-Chlorotoluene

Concen: 5.972 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX027423.D

Acq: 14 Mar 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

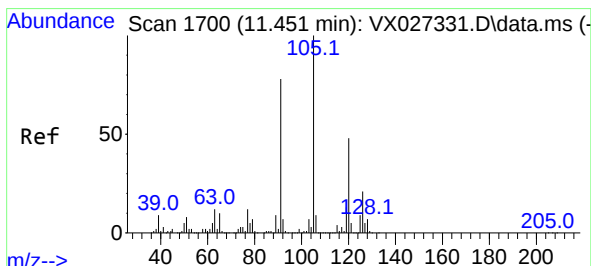
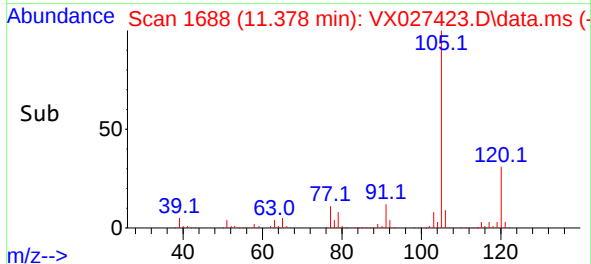
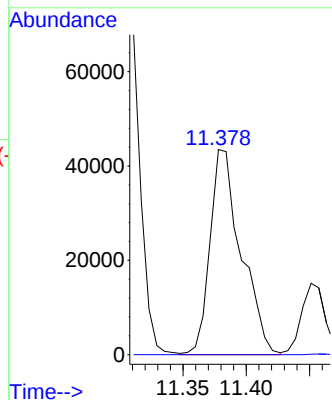
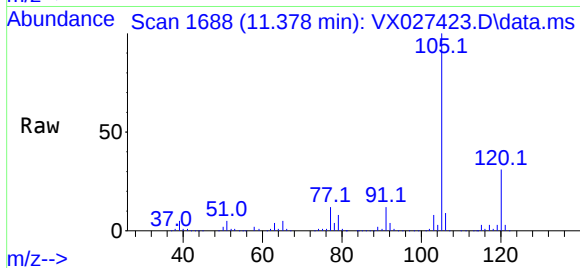
DUP031022DL

Tgt Ion: 91 Resp: 74588

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 12.287 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX027423.D

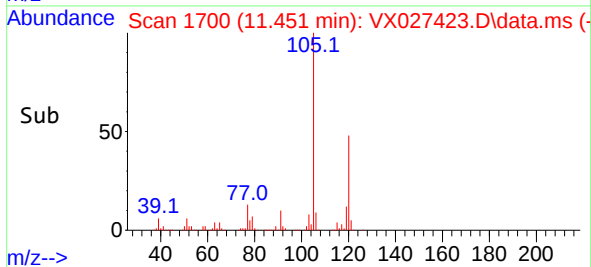
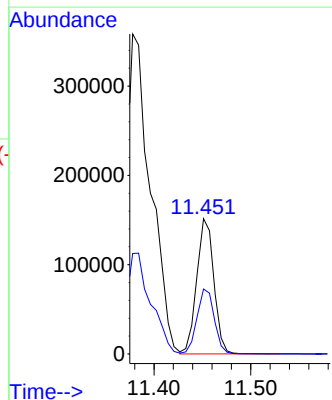
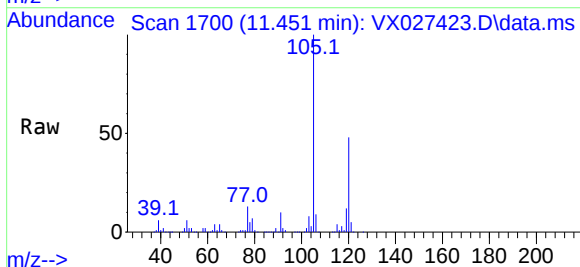
Acq: 14 Mar 2022 16:00

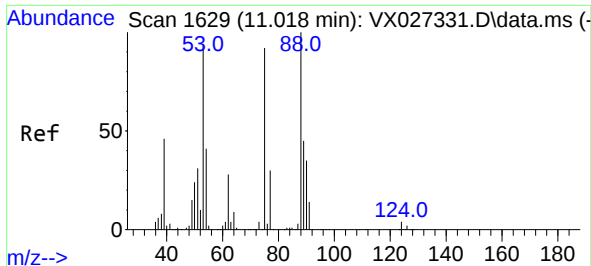
Tgt Ion:105 Resp: 187129

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.9

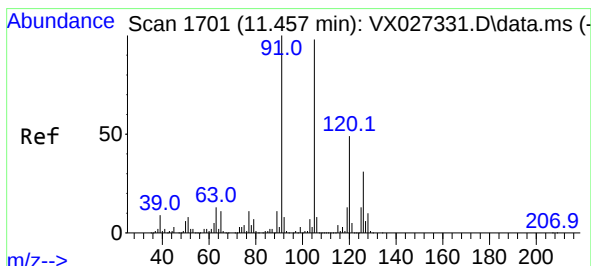
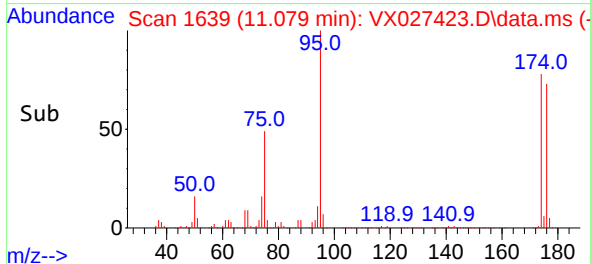
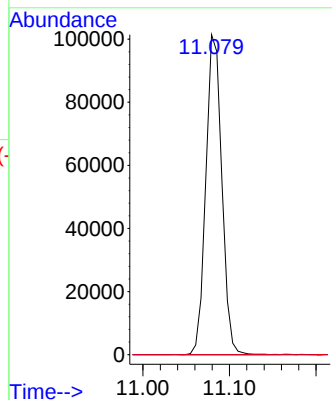
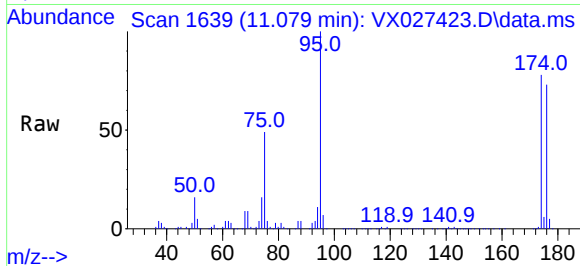




#81
trans-1,4-Dichloro-2-butene
Concen: 78.896 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

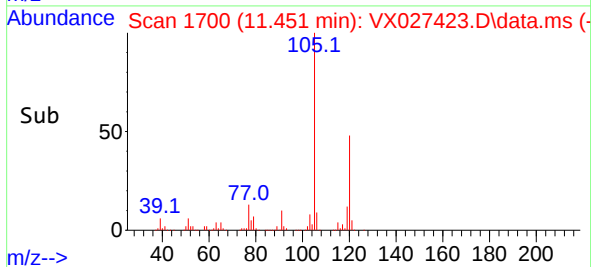
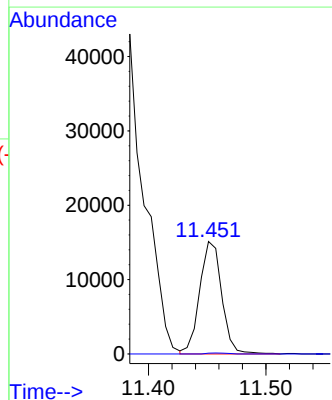
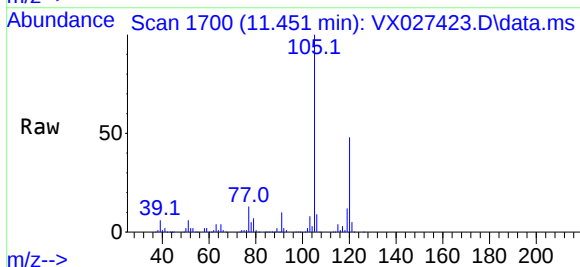
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

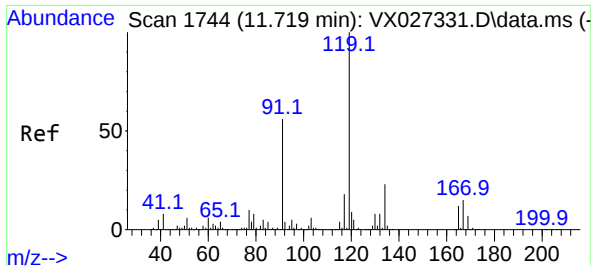
Tgt Ion: 75 Resp: 130007
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 1.397 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion: 91 Resp: 19738
Ion Ratio Lower Upper
91 100
126 0.7 14.9 44.5#

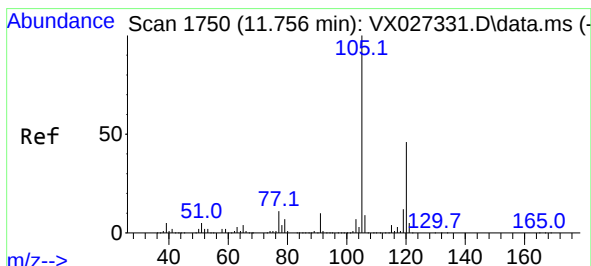
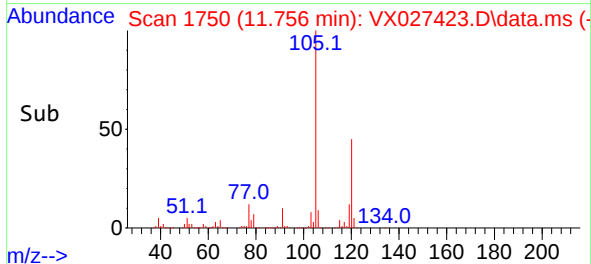
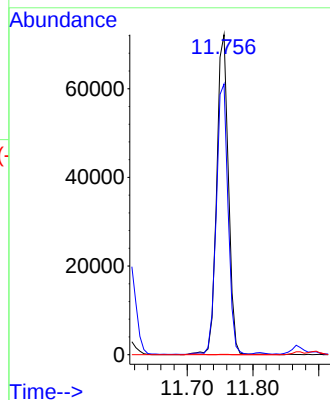
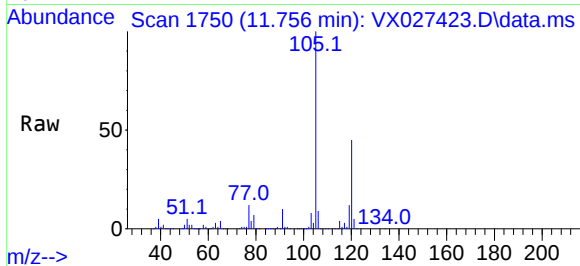




#83
tert-Butylbenzene
Concen: 5.871 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

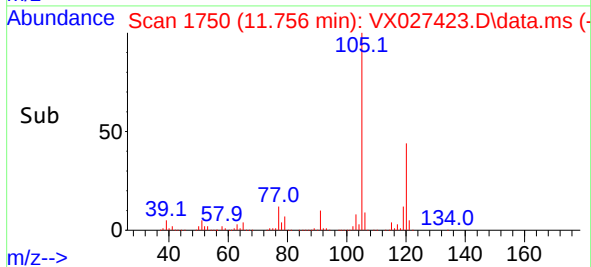
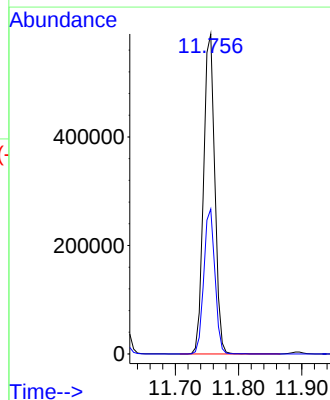
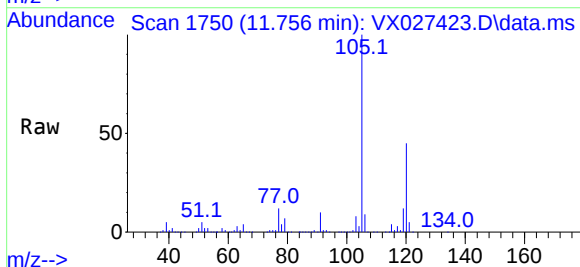
Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL

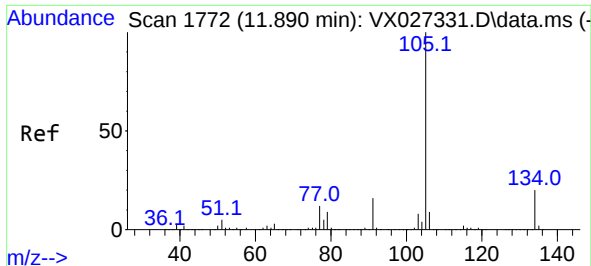
Tgt Ion:119 Resp: 89385
Ion Ratio Lower Upper
119 100
91 85.3 26.9 80.6#
134 0.1 11.4 34.2#



#84
1,2,4-Trimethylbenzene
Concen: 48.264 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Tgt Ion:105 Resp: 729045
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8

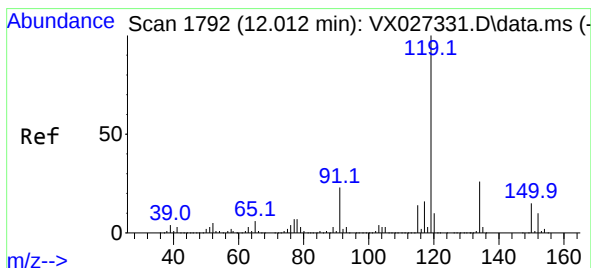
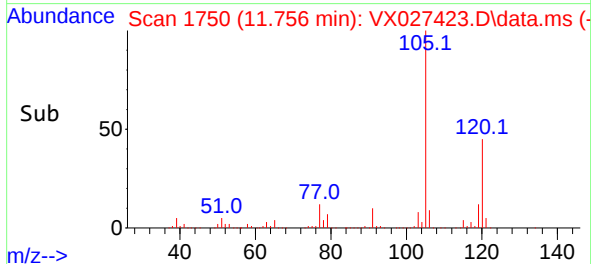
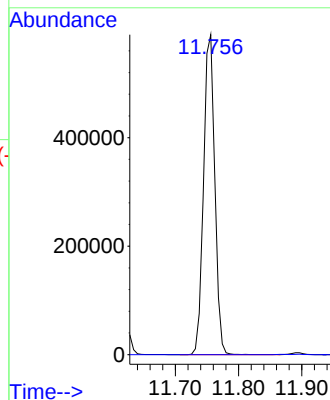
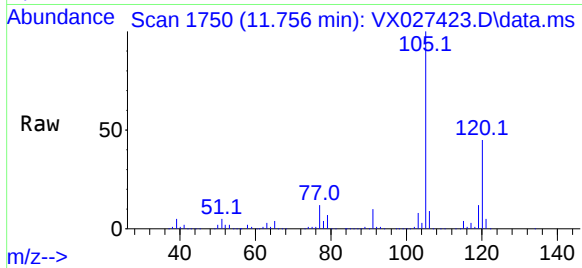




#85
 sec-Butylbenzene
 Concen: 39.702 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX027423.D
 Acq: 14 Mar 2022 16:00

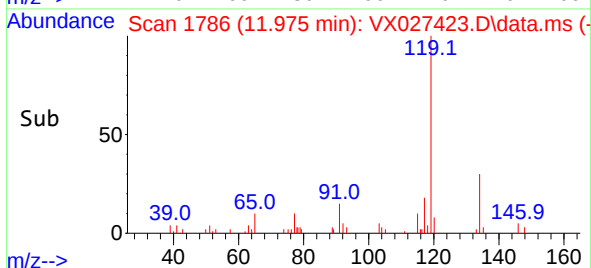
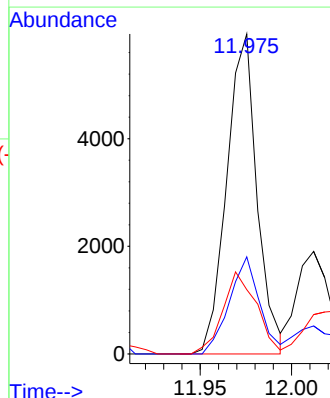
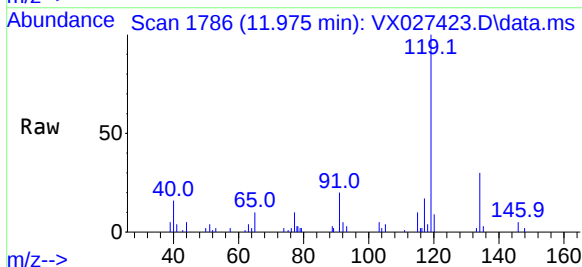
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031022DL

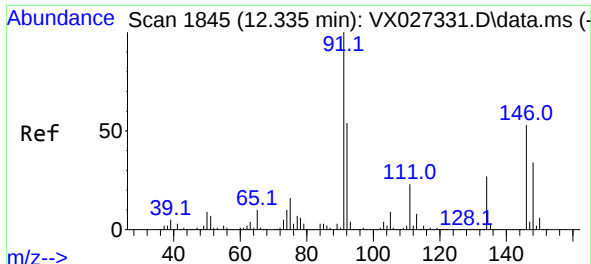
Tgt Ion:105 Resp: 728969
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 0.441 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. -0.037 min
 Lab File: VX027423.D
 Acq: 14 Mar 2022 16:00

Tgt Ion:119 Resp: 6862
 Ion Ratio Lower Upper
 119 100
 134 30.5 13.0 39.0
 91 0.0 11.3 33.9#





#89

n-Butylbenzene

Concen: 0.876 ug/l

RT: 12.323 min Scan# 11405

Delta R.T. -0.012 min

Lab File: VX027423.D

Acq: 14 Mar 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

DUP031022DL

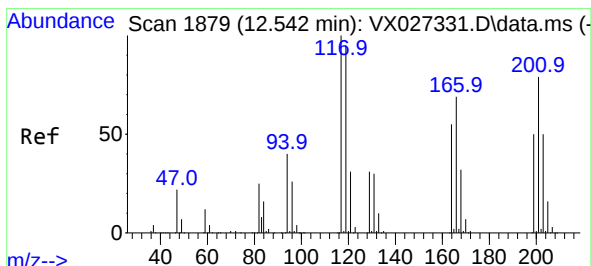
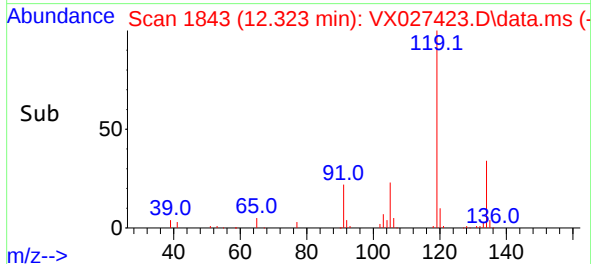
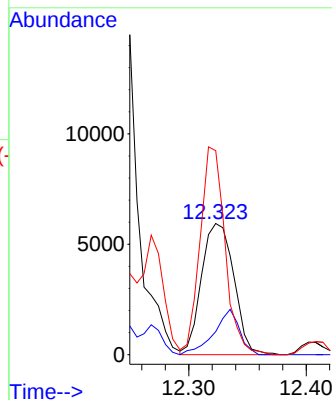
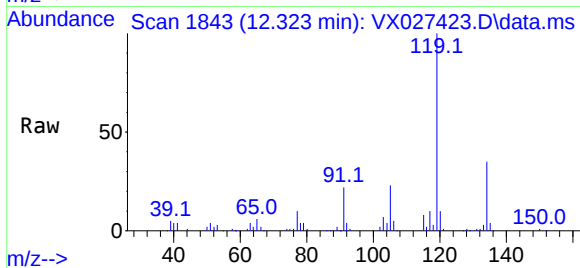
Tgt Ion: 91 Resp: 11405

Ion Ratio Lower Upper

91 100

92 27.1 27.8 83.3#

134 122.4 13.3 39.8#



#90

Hexachloroethane

Concen: 1.632 ug/l

RT: 12.616 min Scan# 1891

Delta R.T. 0.074 min

Lab File: VX027423.D

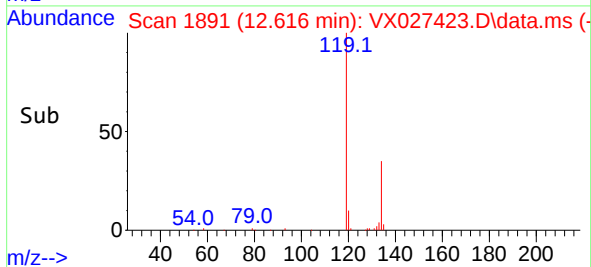
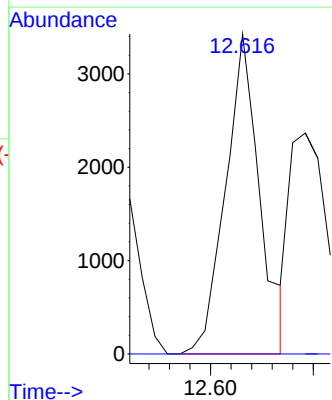
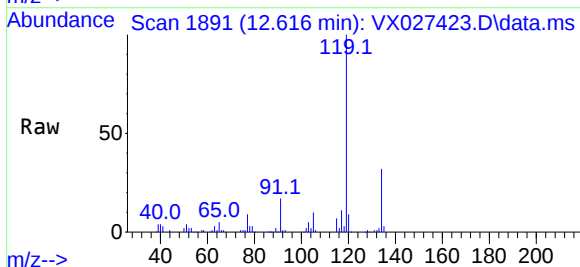
Acq: 14 Mar 2022 16:00

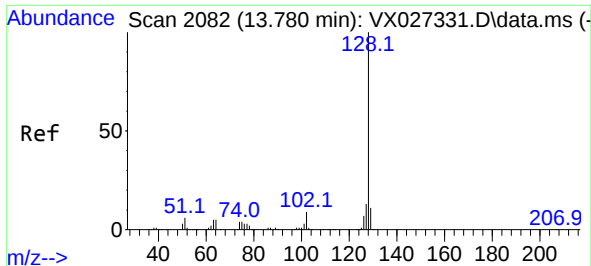
Tgt Ion: 117 Resp: 3953

Ion Ratio Lower Upper

117 100

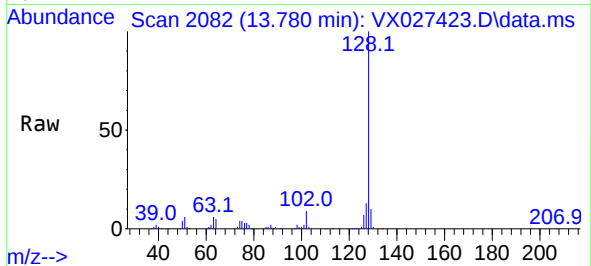
201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 8.856 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027423.D
Acq: 14 Mar 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :
DUP031022DL



Tgt Ion:128 Resp: 162054
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.4 8.7 13.1

