

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022522\
 Data File : VX027199.D
 Acq On : 25 Feb 2022 19:14
 Operator : JC/MD
 Sample : PB142919ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142919ZHE#04

Quant Time: Feb 25 23:19:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

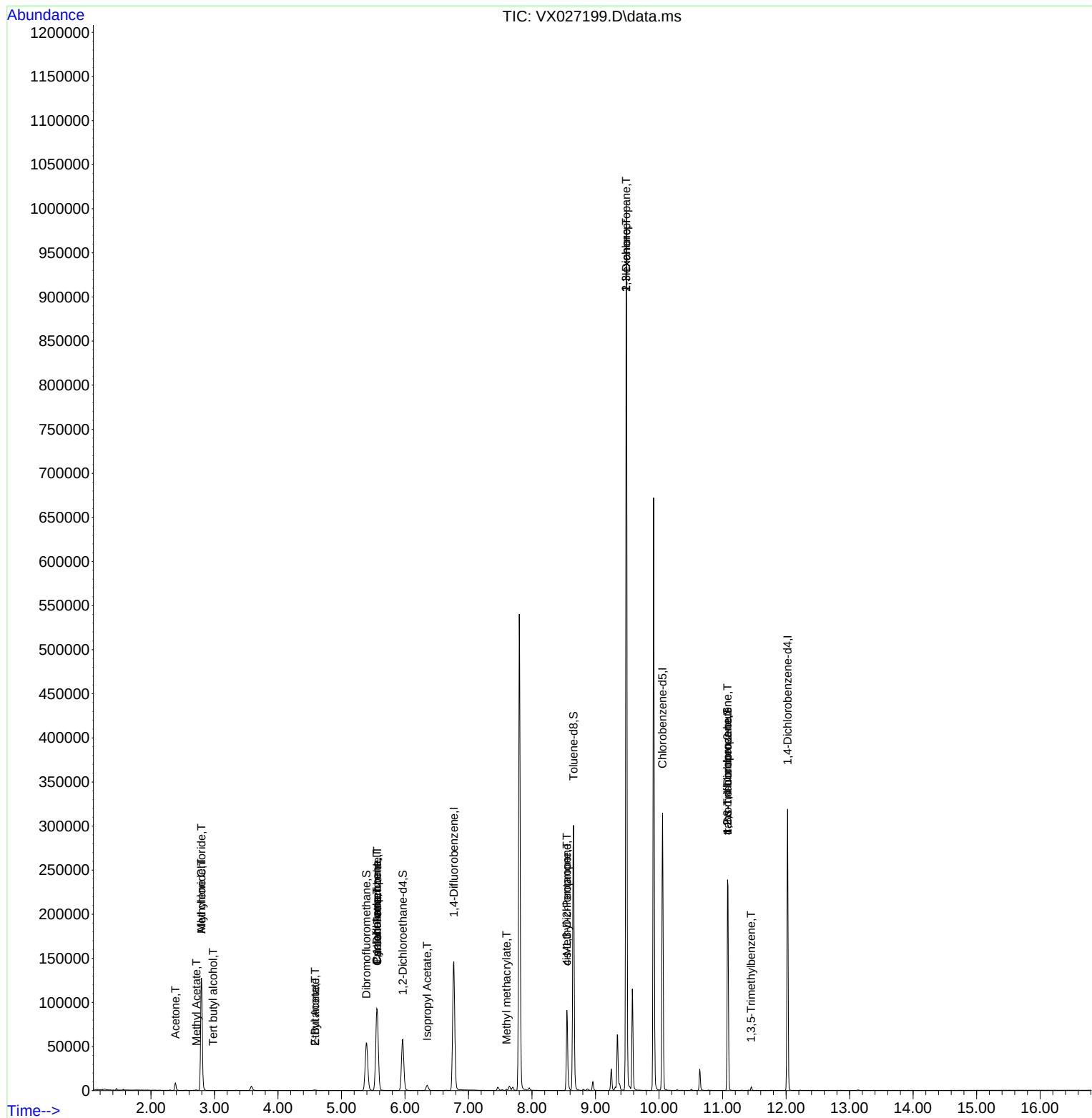
Internal Standards						
1) Pentafluorobenzene	5.556	168	91960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	153788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55736	50.465	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.940%			
35) Dibromofluoromethane	5.391	113	47786	50.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%			
50) Toluene-d8	8.653	98	179595	50.316	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	67685	49.402	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.800%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	65	0.302	ug/l #	75
14) Allyl chloride	2.794	41	2195	1.393	ug/l #	25
16) Acetone	2.386	43	8879	18.310	ug/l	97
18) Methyl Acetate	2.715	43	888	0.709	ug/l #	82
20) Methylene Chloride	2.794	84	57442	57.152	ug/l	94
25) 2-Butanone	4.586	43	1379	1.786	ug/l #	82
31) Cyclohexane	5.556	56	1648	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6796	4.878	ug/l #	50
37) Ethyl Acetate	4.586	43	1379	0.902	ug/l #	69
38) Carbon Tetrachloride	5.562	117	9320	6.414	ug/l #	17
43) Isopropyl Acetate	6.348	43	8059	3.425	ug/l	98
48) Methyl methacrylate	7.598	41	2331	2.047	ug/l #	16
51) 4-Methyl-2-Pentanone	8.549	43	30008	19.621	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	14379	9.231	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	8947	5.206	ug/l #	43
59) 2-Hexanone	9.482	43	119648	102.358	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	33009	24.805	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2013	0.506	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	33009	70.291	ug/l #	3

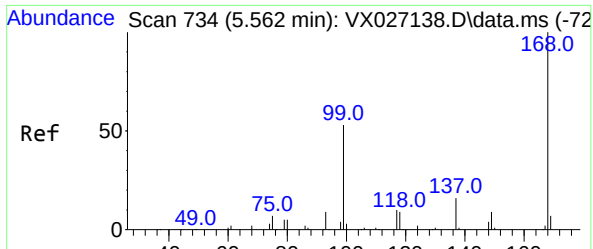
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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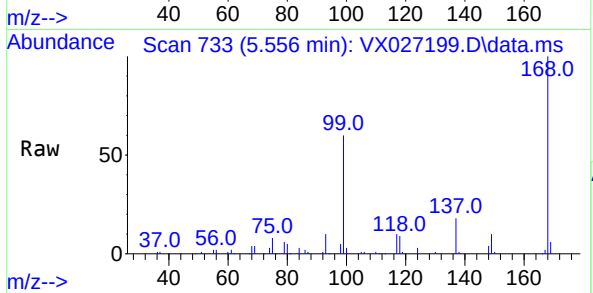
Quant Time: Feb 25 23:19:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 23 13:06:57 2022
Response via : Initial Calibration



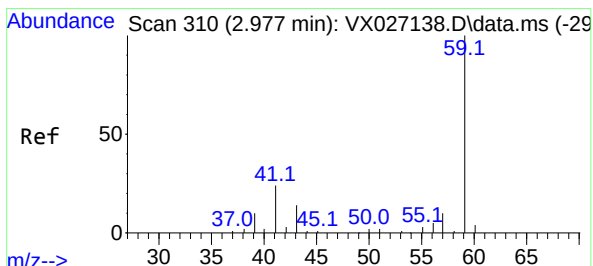
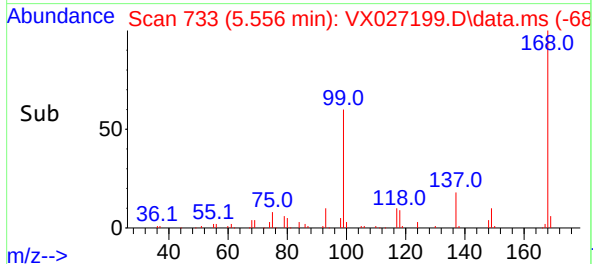
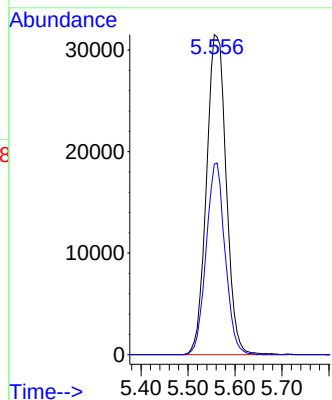


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Instrument :
MSVOA_X
ClientSampleId :
PB142919ZHE#04

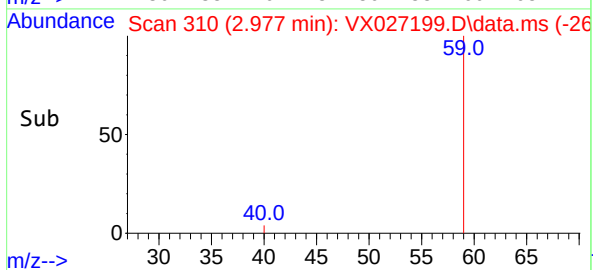
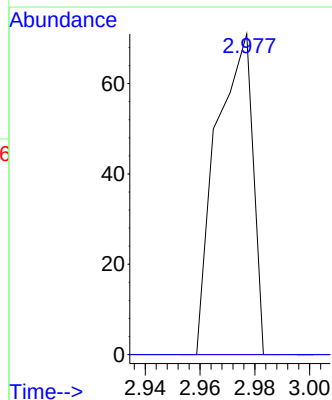
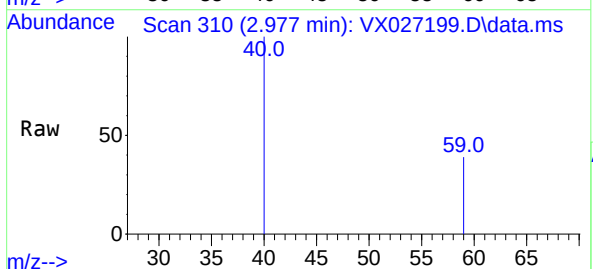


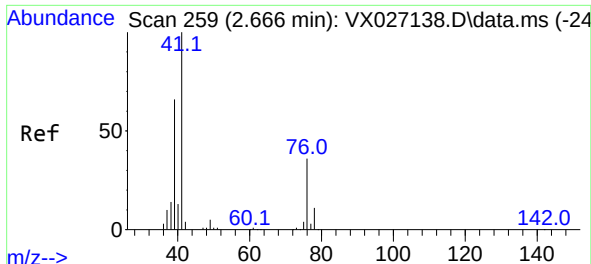
Tgt Ion:168 Resp: 91960
Ion Ratio Lower Upper
168 100
99 59.5 50.3 75.5



#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

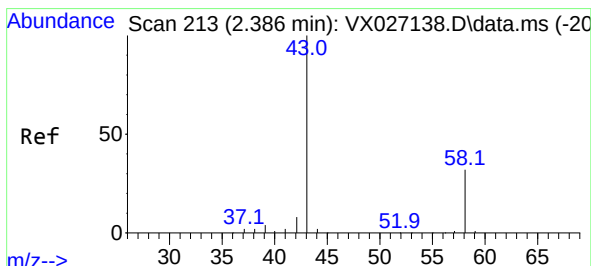
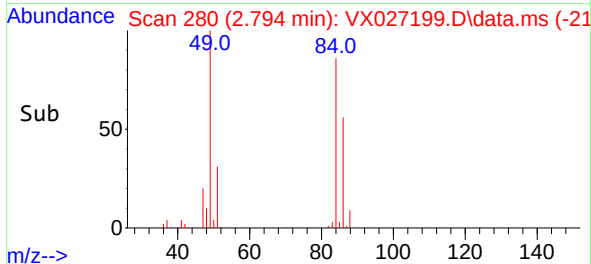
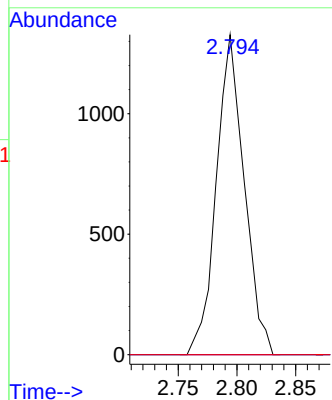
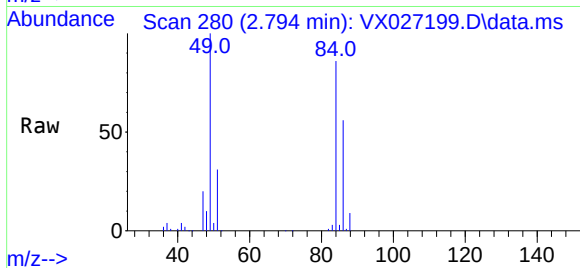




#14
 Allyl chloride
 Concen: 1.393 ug/l
 RT: 2.794 min Scan# 2195
 Delta R.T. 0.128 min
 Lab File: VX027199.D
 Acq: 25 Feb 2022 19:14

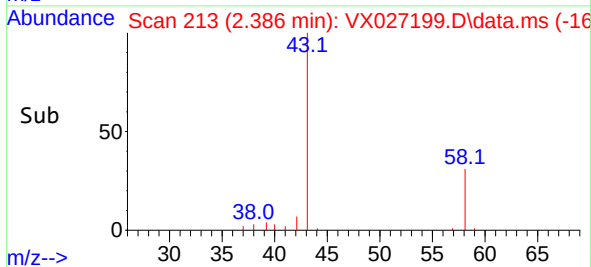
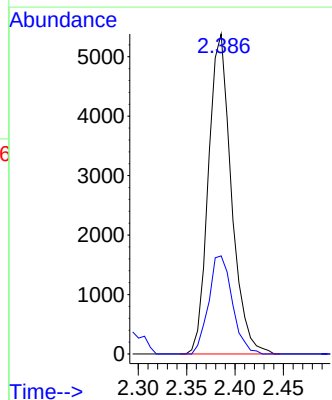
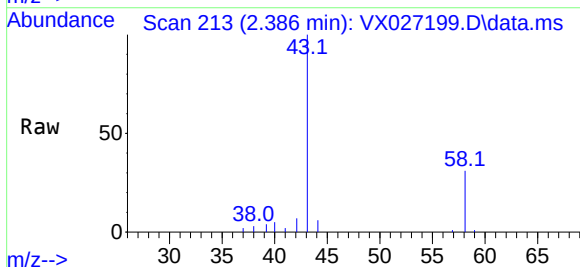
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142919ZHE#04

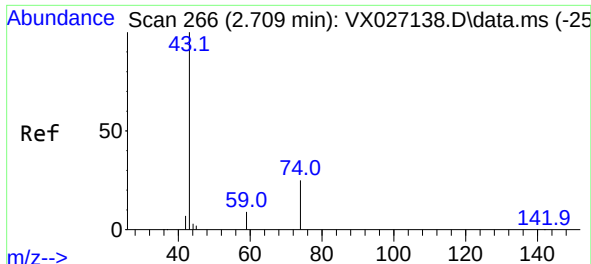
Tgt Ion: 41 Resp: 2195
 Ion Ratio Lower Upper
 41 100
 39 0.0 54.2 81.4#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 18.310 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX027199.D
 Acq: 25 Feb 2022 19:14

Tgt Ion: 43 Resp: 8879
 Ion Ratio Lower Upper
 43 100
 58 30.6 23.0 34.6

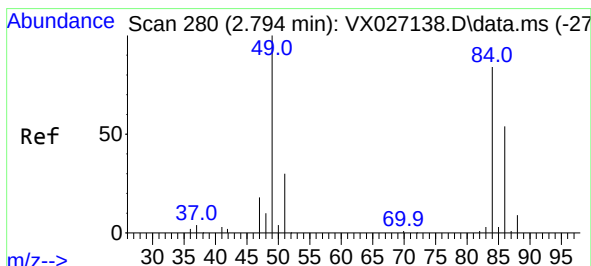
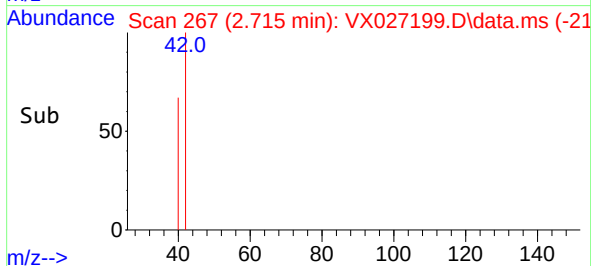
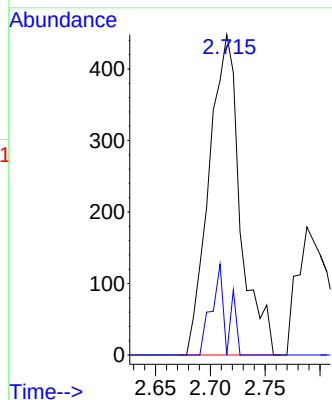
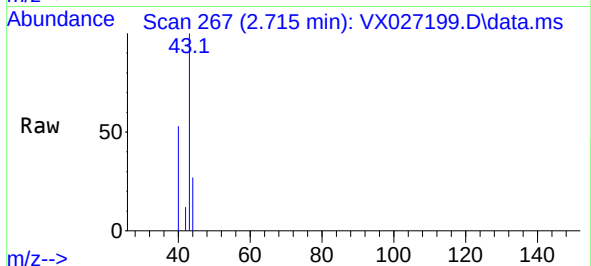




#18
Methyl Acetate
Concen: 0.709 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

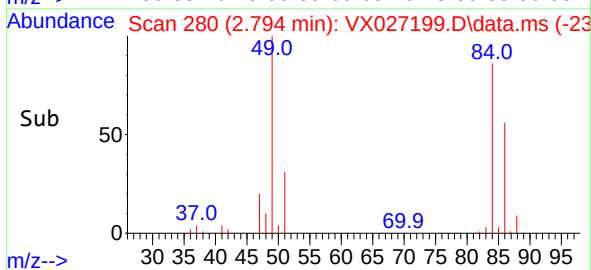
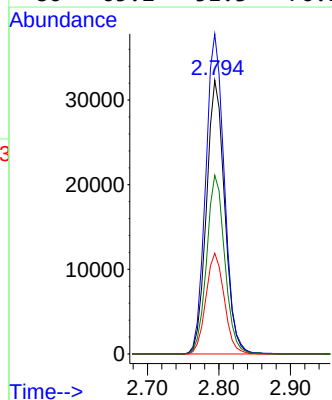
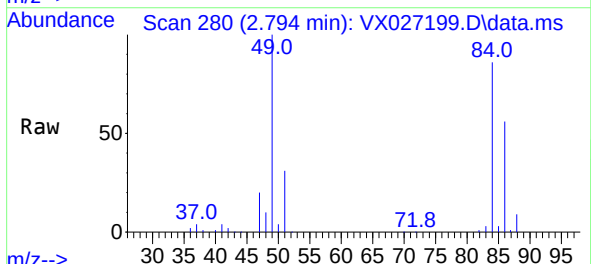
Instrument :
MSVOA_X
ClientSampleId :
PB142919ZHE#04

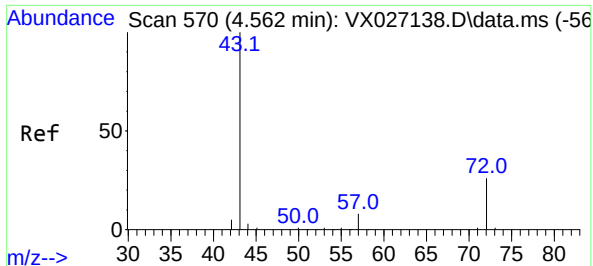
Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
74 14.0 18.3 27.5#



#20
Methylene Chloride
Concen: 57.152 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Tgt Ion: 84 Resp: 57442
Ion Ratio Lower Upper
84 100
49 116.9 101.5 152.3
51 36.8 31.2 46.8
86 65.2 51.3 76.9





#25

2-Butanone

Concen: 1.786 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

Instrument :

MSVOA_X

ClientSampleId :

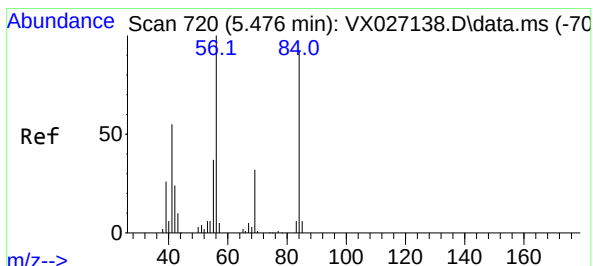
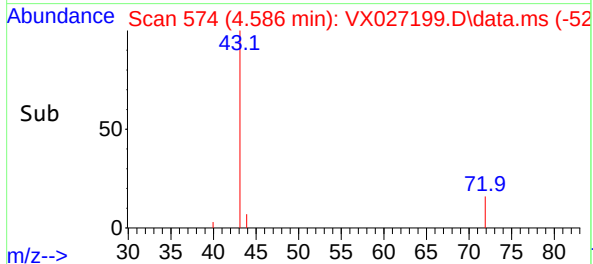
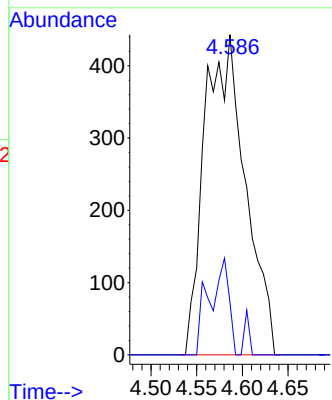
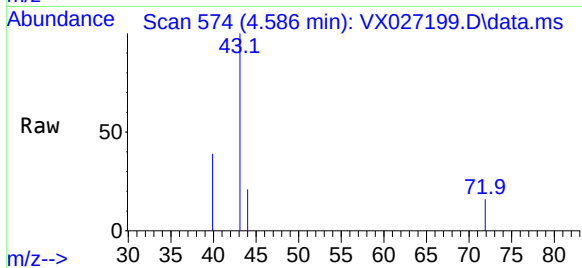
PB142919ZHE#04

Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

72 16.5 20.4 30.6#



#31

Cyclohexane

Concen: 0.996 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.080 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

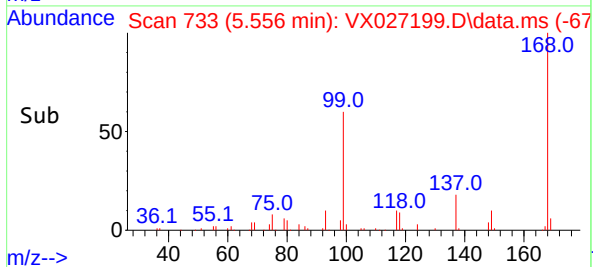
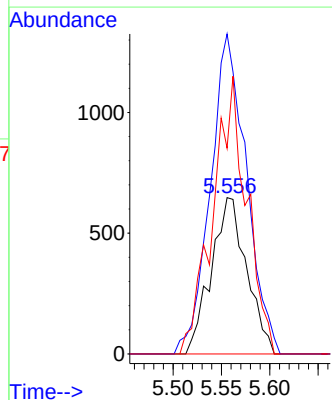
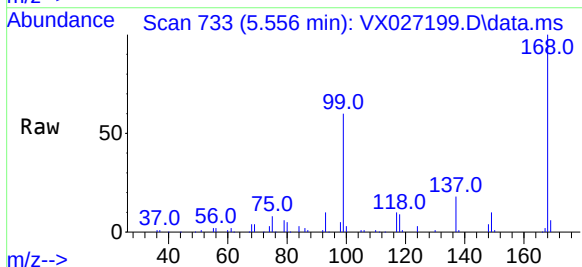
Tgt Ion: 56 Resp: 1648

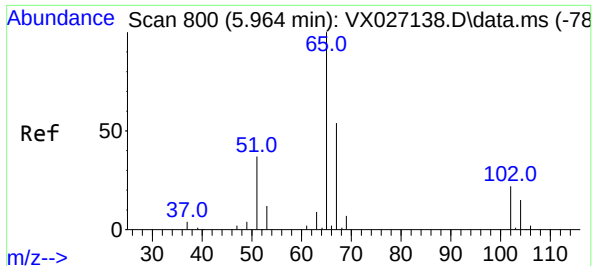
Ion Ratio Lower Upper

56 100

69 204.8 25.8 38.6#

84 131.7 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 50.465 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

Instrument :

MSVOA_X

ClientSampleId :

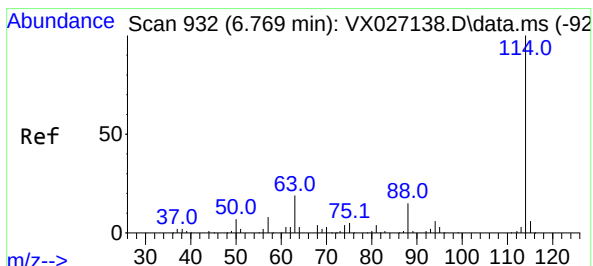
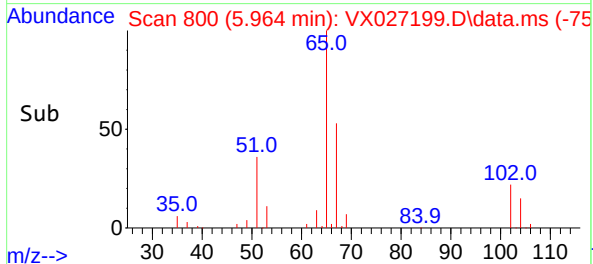
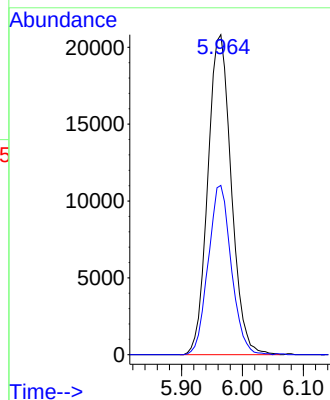
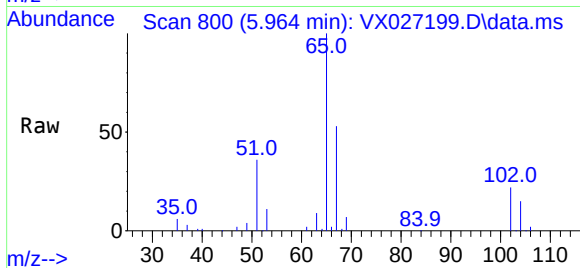
PB142919ZHE#04

Tgt Ion: 65 Resp: 55736

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

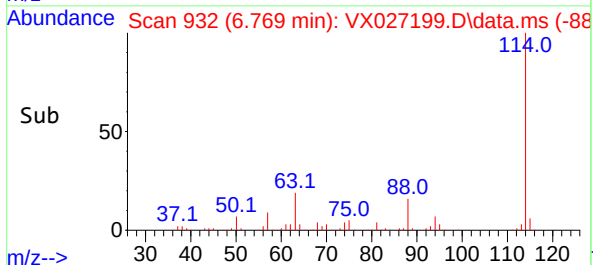
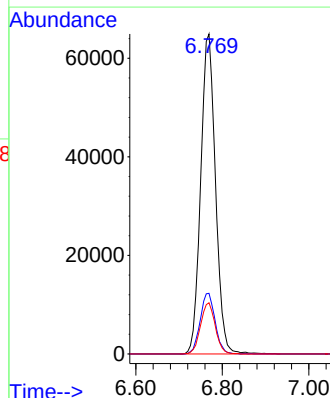
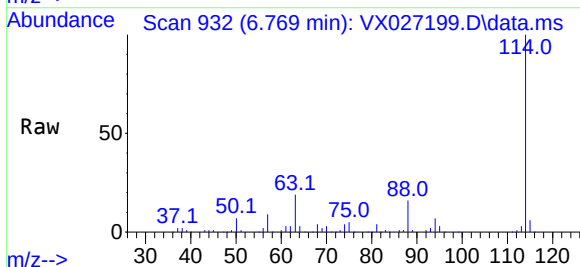
Tgt Ion: 114 Resp: 153788

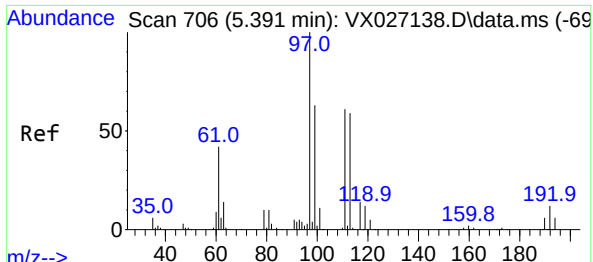
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.8

88 16.0 0.0 33.0

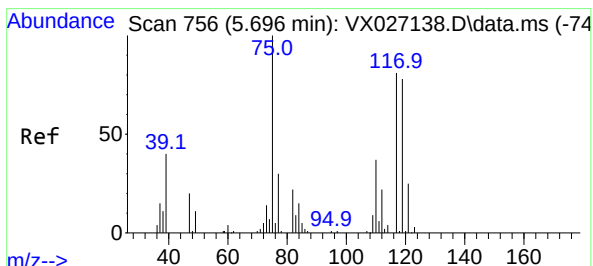
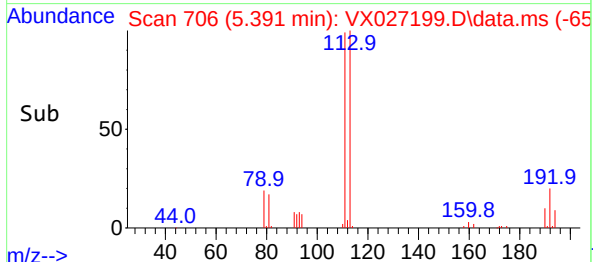
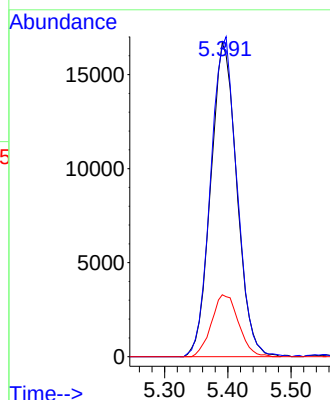
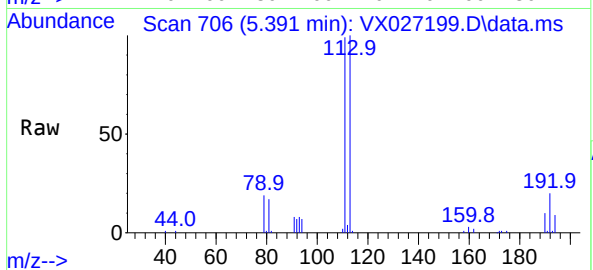




#35
Dibromofluoromethane
Concen: 50.059 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

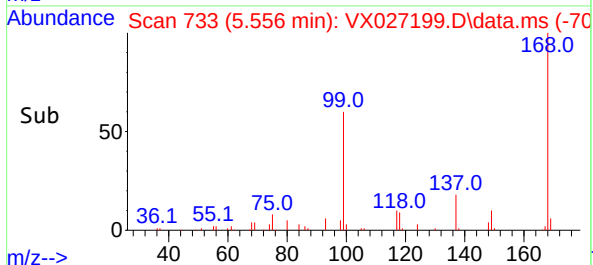
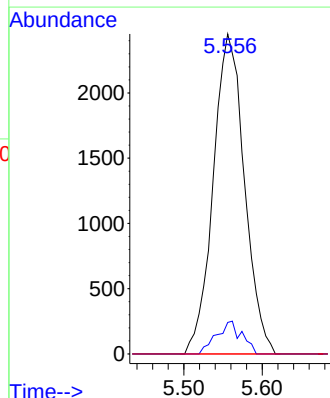
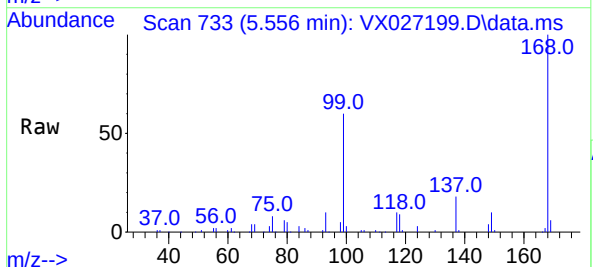
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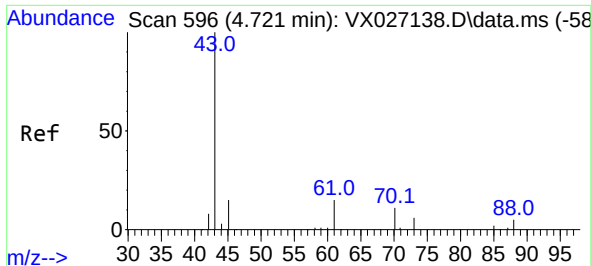
Tgt Ion:113 Resp: 47786
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 20.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.878 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Tgt Ion: 75 Resp: 6796
Ion Ratio Lower Upper
75 100
110 8.2 17.2 51.6#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.902 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.135 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

Instrument :

MSVOA_X

ClientSampleId :

PB142919ZHE#04

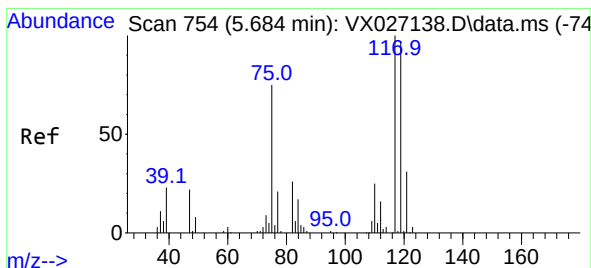
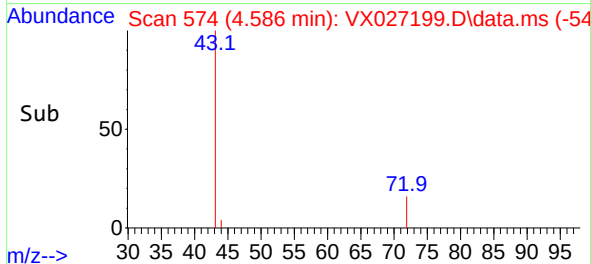
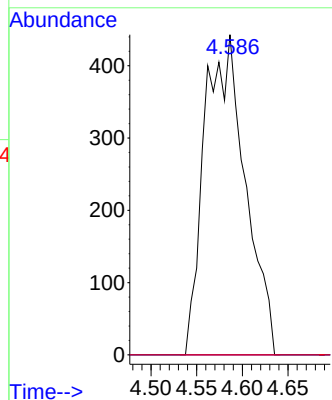
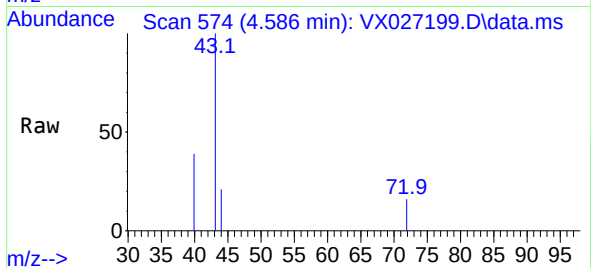
Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.414 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

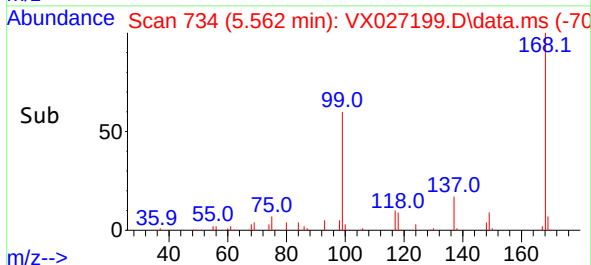
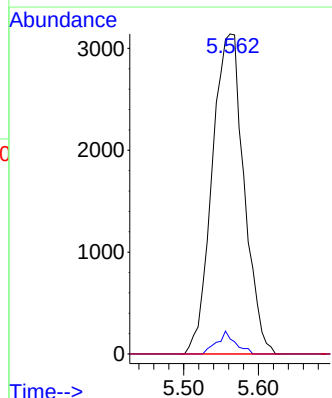
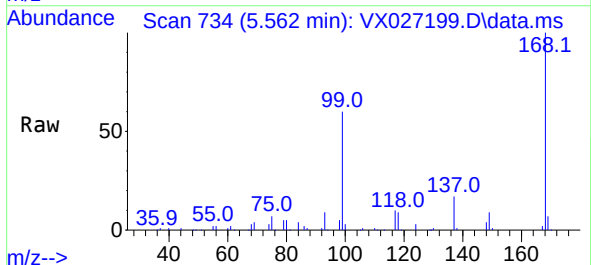
Tgt Ion: 117 Resp: 9320

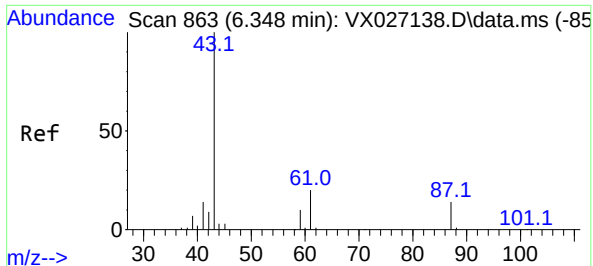
Ion Ratio Lower Upper

117 100

119 4.7 74.7 112.1#

121 0.0 25.4 38.0#

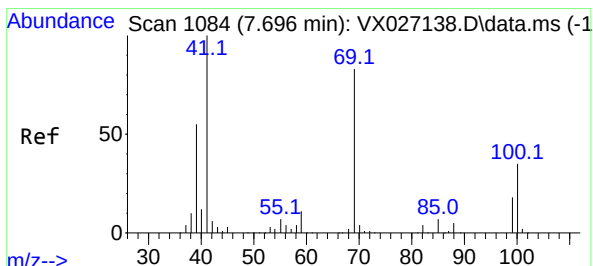
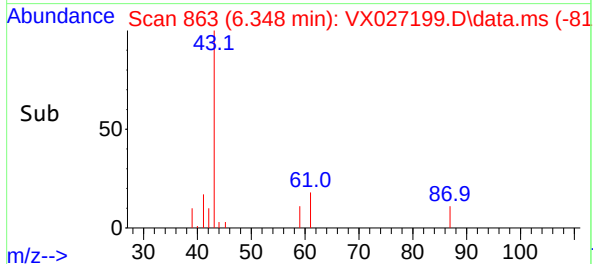
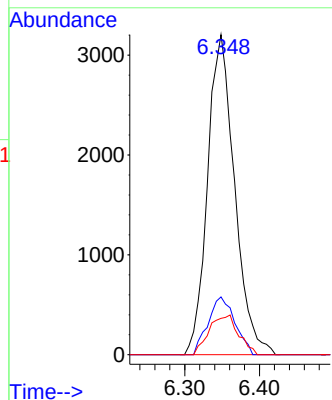
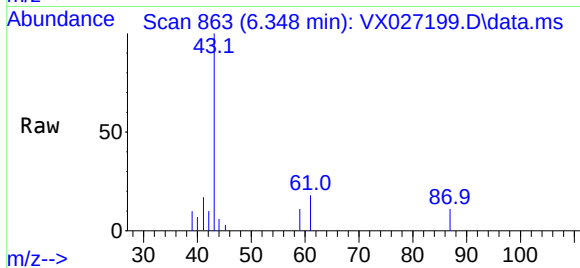




#43
Isopropyl Acetate
Concen: 3.425 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

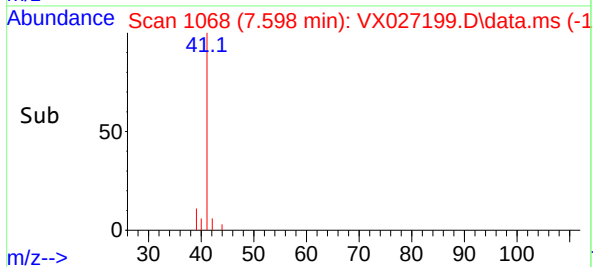
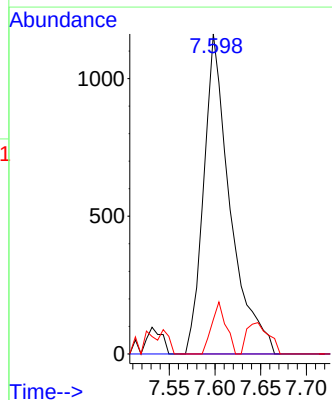
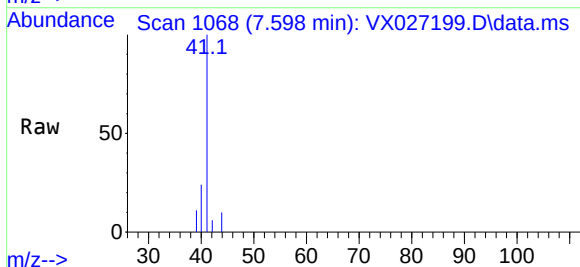
Instrument :
MSVOA_X
ClientSampleId :
PB142919ZHE#04

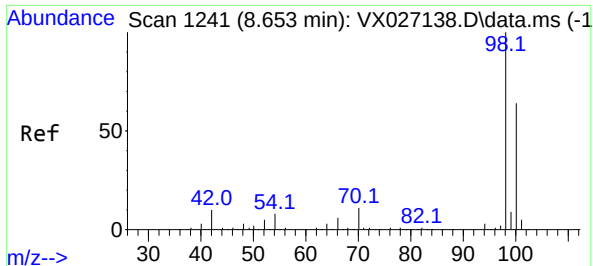
Tgt Ion: 43	Resp: 8059
Ion Ratio	Lower Upper
43 100	
61 17.9	15.4 23.0
87 13.4	10.2 15.2



#48
Methyl methacrylate
Concen: 2.047 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Tgt Ion: 41	Resp: 2331
Ion Ratio	Lower Upper
41 100	
69 0.0	62.2 93.4#
39 0.0	45.4 68.0#

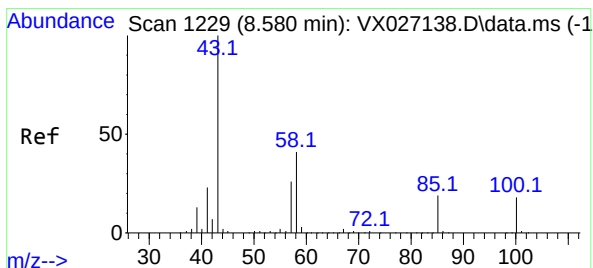
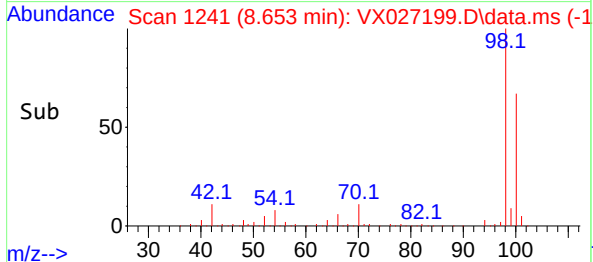
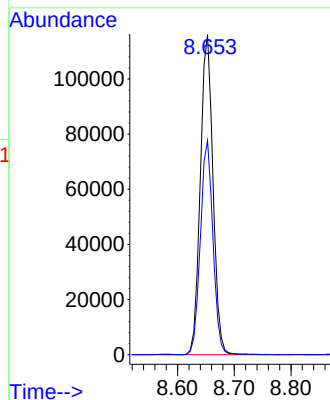
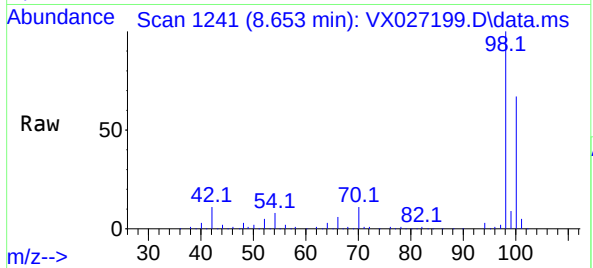




#50
Toluene-d8
Concen: 50.316 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

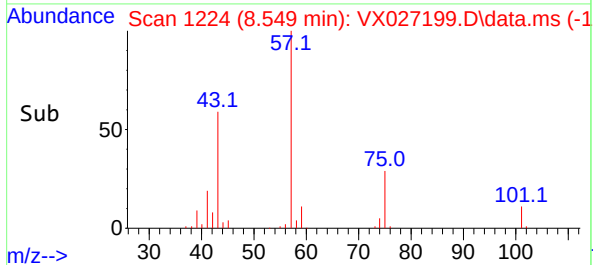
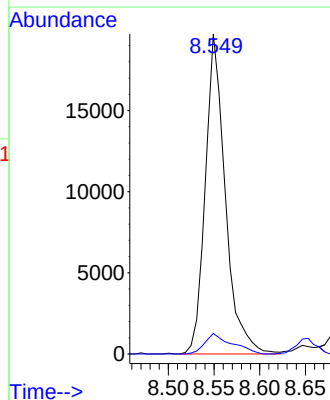
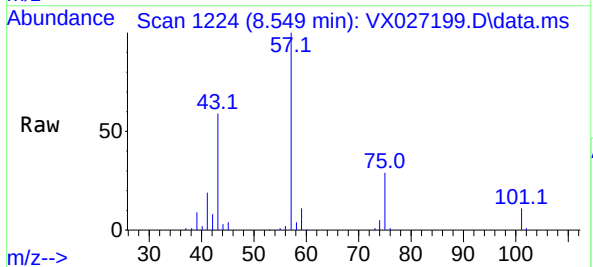
Instrument :
MSVOA_X
ClientSampleId :
PB142919ZHE#04

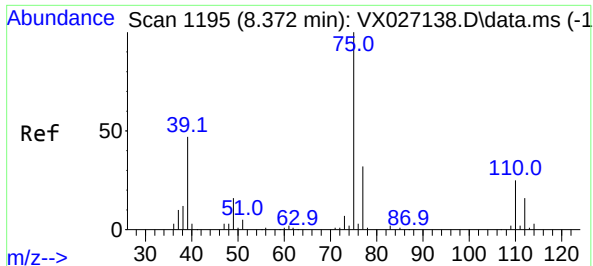
Tgt Ion: 98 Resp: 179595
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 19.621 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Tgt Ion: 43 Resp: 30008
Ion Ratio Lower Upper
43 100
58 8.6 30.5 45.7#





#54

cis-1,3-Dichloropropene

Concen: 9.231 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

Instrument :

MSVOA_X

ClientSampleId :

PB142919ZHE#04

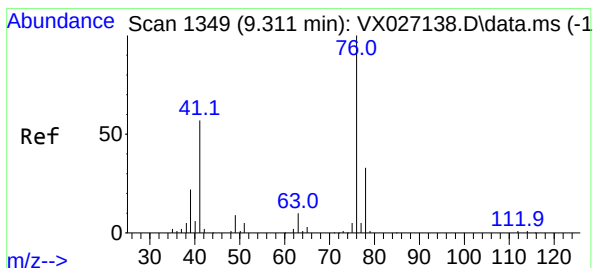
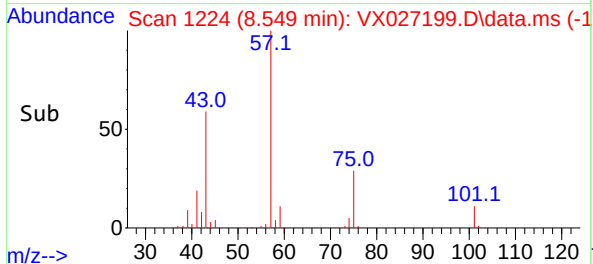
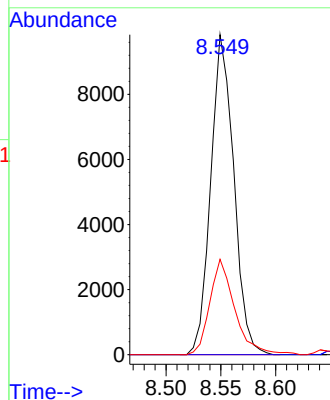
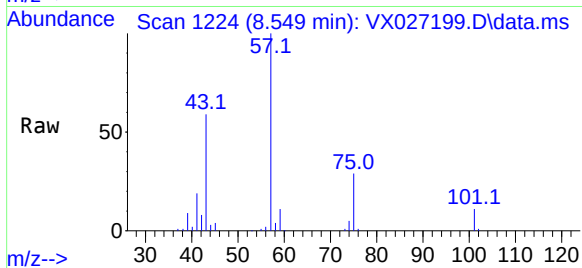
Tgt Ion: 75 Resp: 14379

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 29.8 43.5 65.3#



#57

1,3-Dichloropropane

Concen: 5.206 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX027199.D

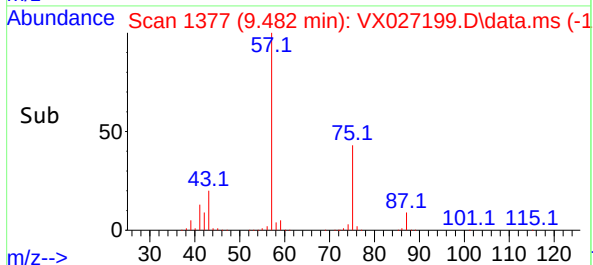
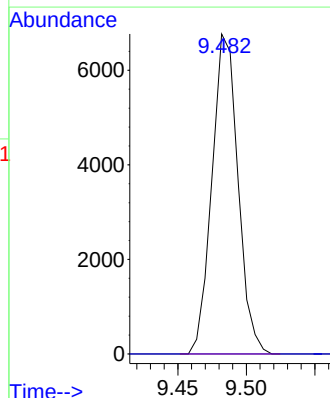
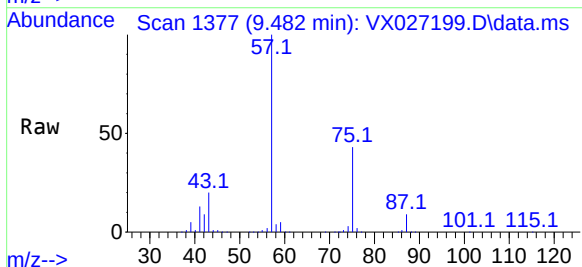
Acq: 25 Feb 2022 19:14

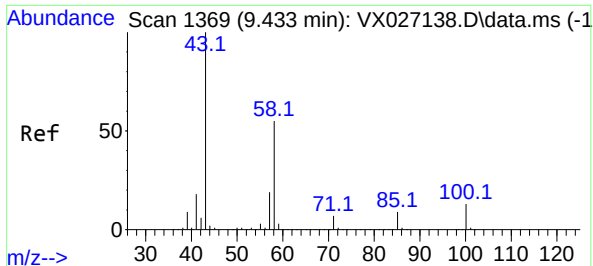
Tgt Ion: 76 Resp: 8947

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 102.358 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

Instrument :

MSVOA_X

ClientSampleId :

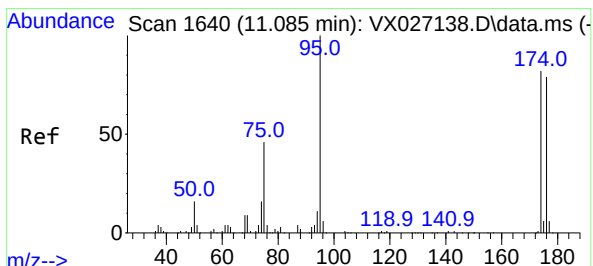
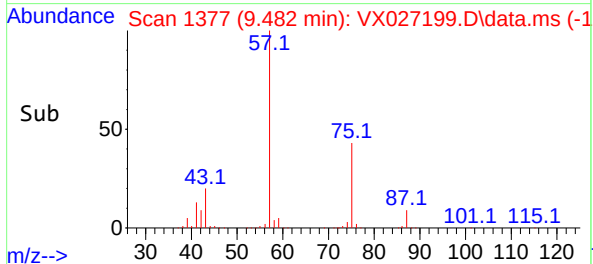
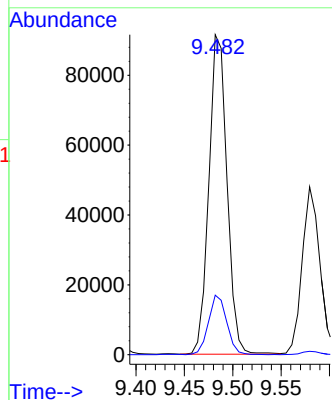
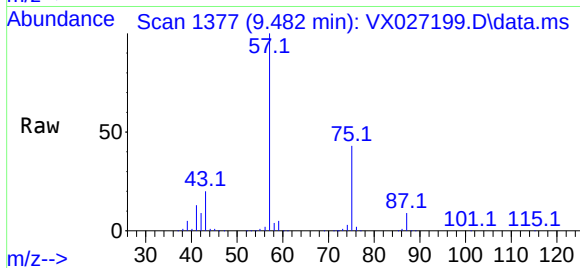
PB142919ZHE#04

Tgt Ion: 43 Resp: 119648

Ion Ratio Lower Upper

43 100

58 18.8 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 49.402 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027199.D

Acq: 25 Feb 2022 19:14

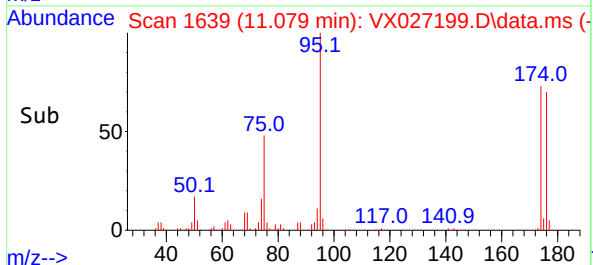
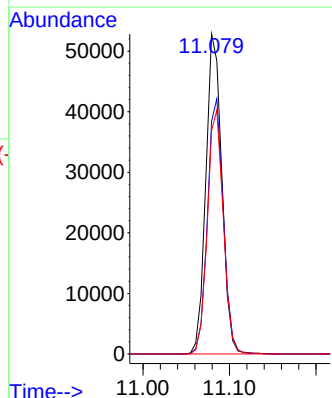
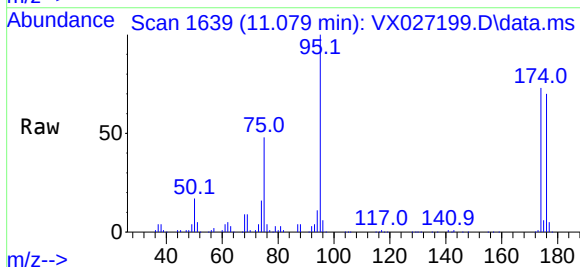
Tgt Ion: 95 Resp: 67685

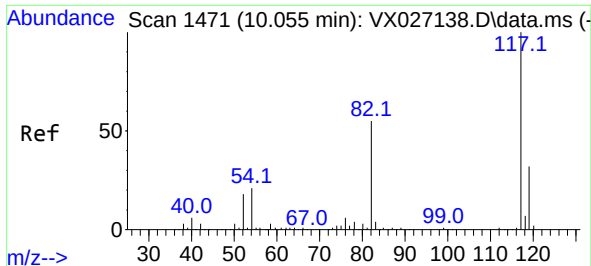
Ion Ratio Lower Upper

95 100

174 79.3 0.0 148.6

176 75.8 0.0 141.4

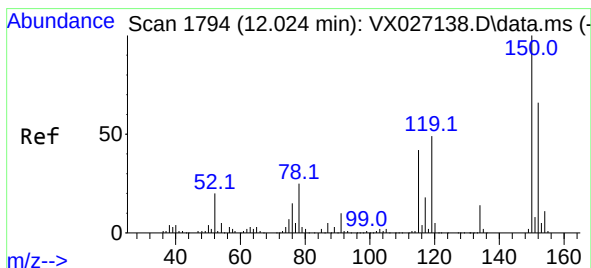
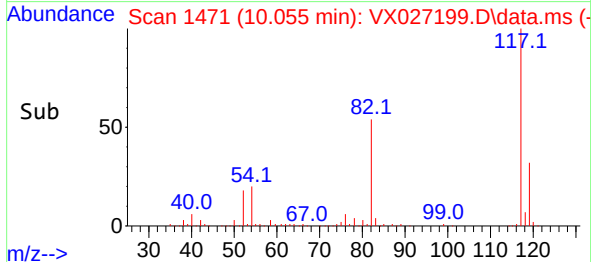
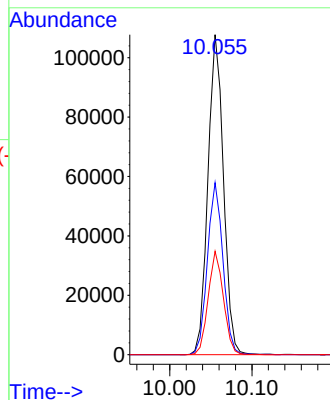
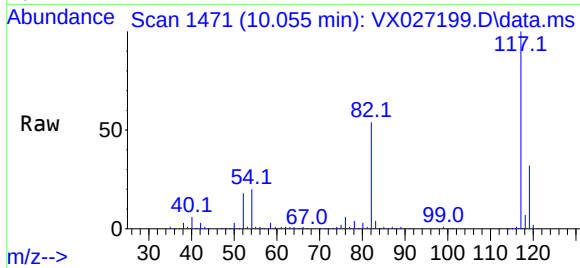




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

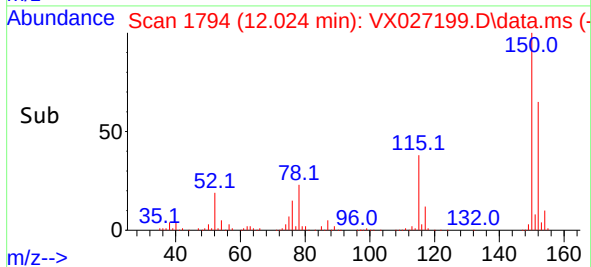
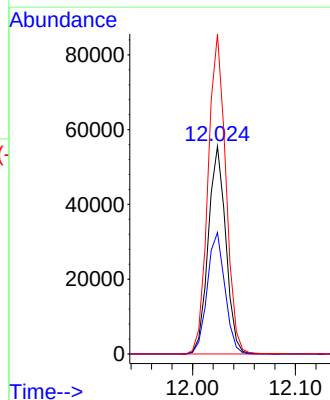
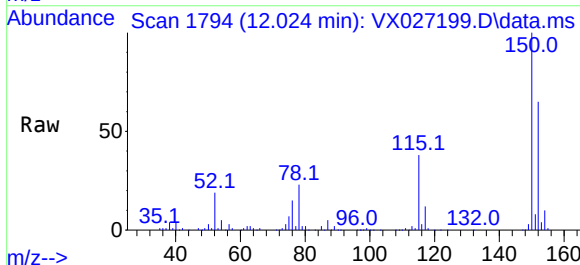
Instrument :
MSVOA_X
ClientSampleId :
PB142919ZHE#04

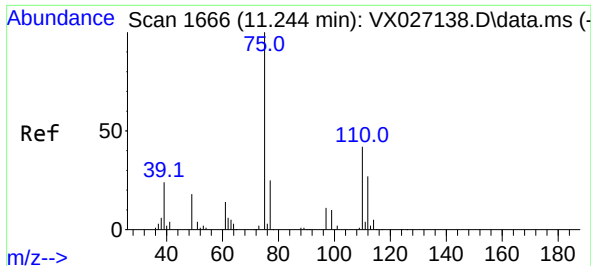
Tgt Ion:117 Resp: 141706
Ion Ratio Lower Upper
117 100
82 53.7 45.2 67.8
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Tgt Ion:152 Resp: 66066
Ion Ratio Lower Upper
152 100
115 59.0 44.2 132.6
150 156.2 0.0 348.2

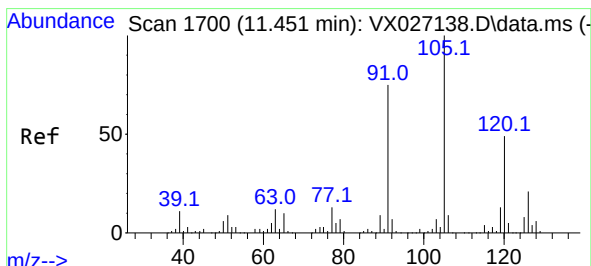
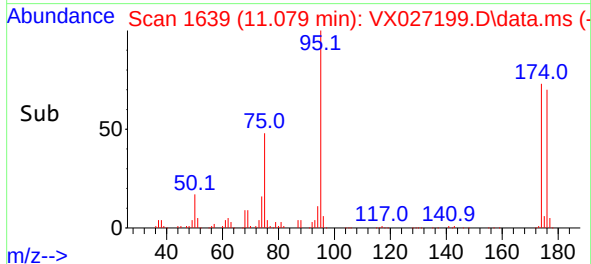
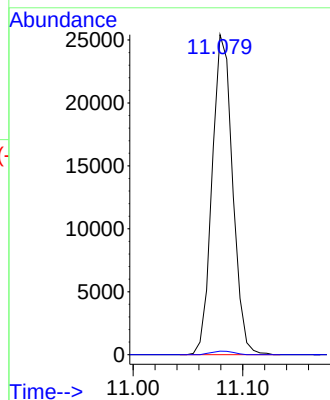
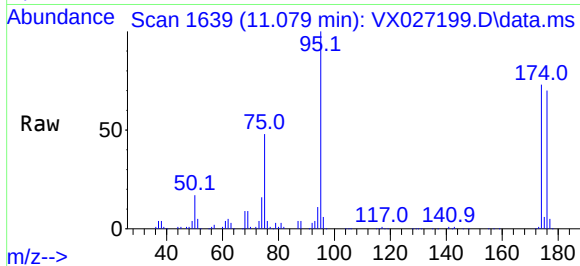




#76
1,2,3-Trichloropropane
Concen: 24.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

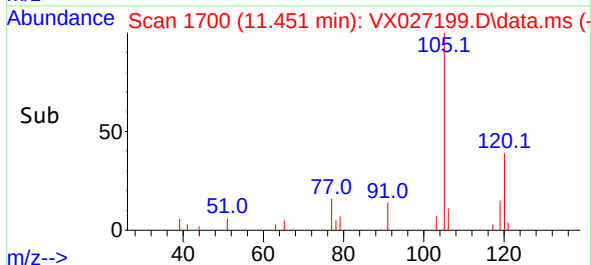
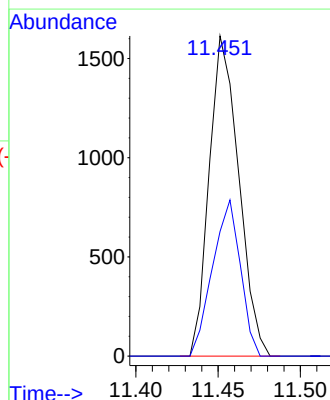
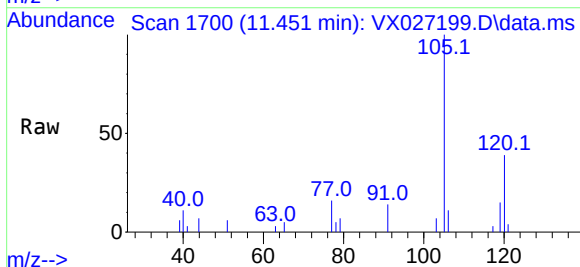
Instrument :
MSVOA_X
ClientSampleId :
PB142919ZHE#04

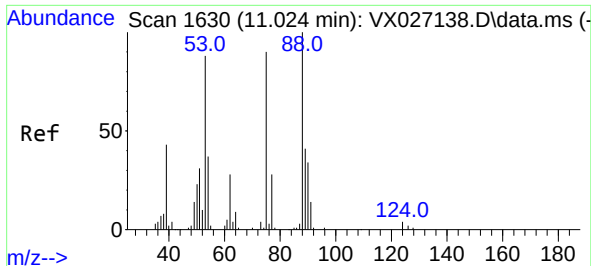
Tgt Ion: 75 Resp: 33009
Ion Ratio Lower Upper
75 100
77 1.2 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.506 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

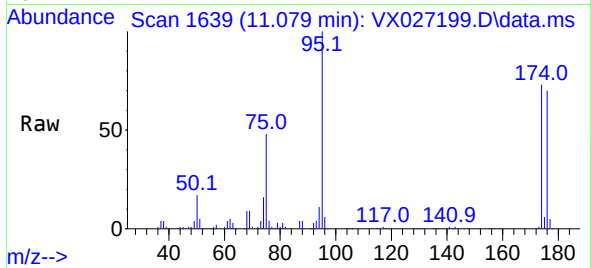
Tgt Ion: 105 Resp: 2013
Ion Ratio Lower Upper
105 100
120 45.9 24.0 72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 70.291 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.055 min
Lab File: VX027199.D
Acq: 25 Feb 2022 19:14

Instrument :
MSVOA_X
ClientSampleId :
PB142919ZHE#04



Tgt Ion: 75 Resp: 33009
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

