

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029151.D
 Acq On : 02 Jun 2022 21:23
 Operator : JC/MD
 Sample : N3022-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

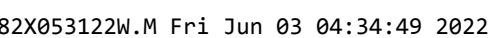
Instrument :
 MSVOA_X
 ClientSampleId :
 25BR-20220525

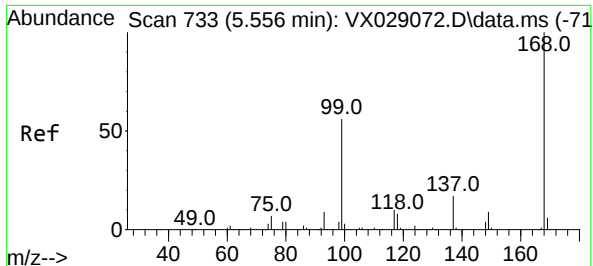
Quant Time: Jun 03 04:34:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	298988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	548696	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	522144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	235210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	195466	57.976	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.960%
35) Dibromofluoromethane	5.391	113	182044	49.949	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.900%
50) Toluene-d8	8.653	98	647093	48.545	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.100%
62) 4-Bromofluorobenzene	11.079	95	249851	48.490	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.980%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	591	0.227	ug/l	72
3) Chloromethane	1.288	50	552	0.203	ug/l #	42
4) Vinyl Chloride	1.374	62	9223	3.083	ug/l	92
5) Bromomethane	1.618	94	519	Below Cal		91
6) Chloroethane	1.685	64	742	1.679	ug/l #	88
10) Methyl Iodide	2.453	142	291	4.306	ug/l #	73
11) Tert butyl alcohol	2.947	59	35917	45.987	ug/l #	76
12) 1,1-Dichloroethene	2.325	96	760	0.282	ug/l #	81
16) Acetone	2.380	43	1913	1.441	ug/l	93
18) Methyl Acetate	2.703	43	762	0.222	ug/l #	75
19) Methyl tert-butyl Ether	2.941	73	2236	0.245	ug/l #	90
20) Methylene Chloride	2.794	84	1440	0.465	ug/l #	75
21) trans-1,2-Dichloroethene	3.099	96	1311	0.431	ug/l #	74
25) 2-Butanone	4.562	43	974	0.455	ug/l #	44
26) 2,2-Dichloropropane	4.568	77	1160	0.282	ug/l #	52
27) cis-1,2-Dichloroethene	4.489	96	228234	62.951	ug/l	86
31) Cyclohexane	5.556	56	5288	1.206	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22105	4.714	ug/l #	50
38) Carbon Tetrachloride	5.556	117	31900	5.952	ug/l #	15
39) Methylcyclohexane	7.129	83	4791	0.826	ug/l #	1
44) Trichloroethene	7.129	130	395949	96.819	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	119954	25.158	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	119954	73.807	ug/l #	15

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

Quant Time: Jun 03 04:34:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 01 04:45:42 2022
Response via : Initial Calibration

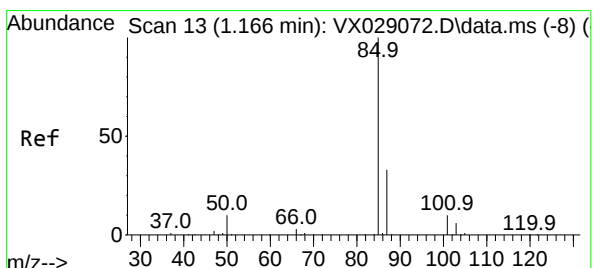
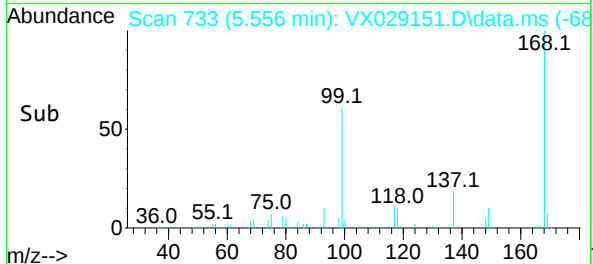
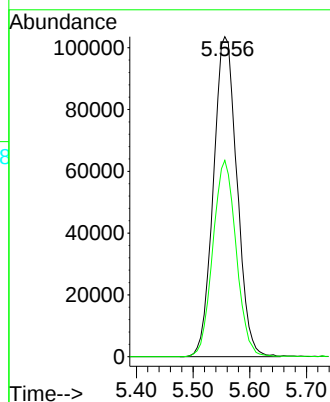
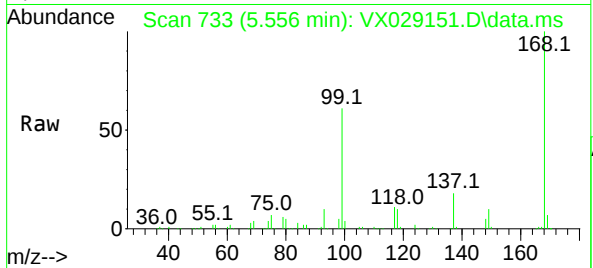




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

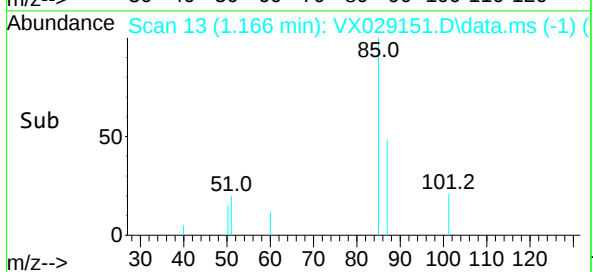
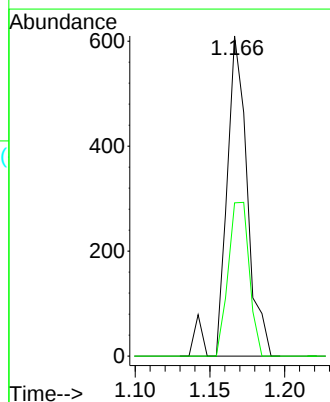
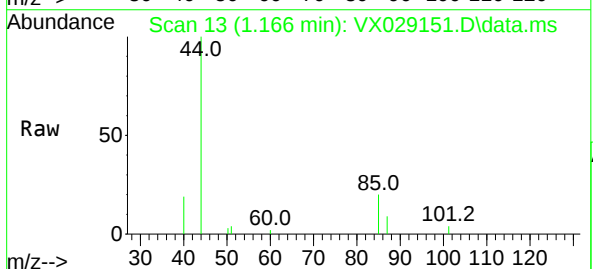
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MSVOA_X
ClientSampleId :
25BR-20220525

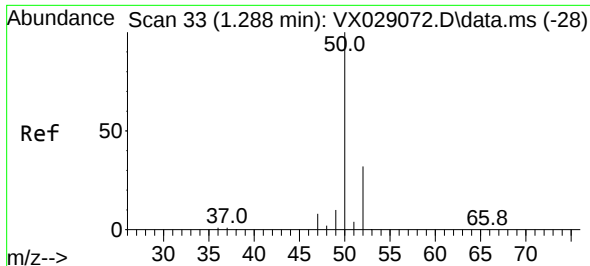
Tgt Ion:168 Resp: 298988
Ion Ratio Lower Upper
168 100
99 61.3 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.227 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 85 Resp: 591
Ion Ratio Lower Upper
85 100
87 47.9 16.2 48.6

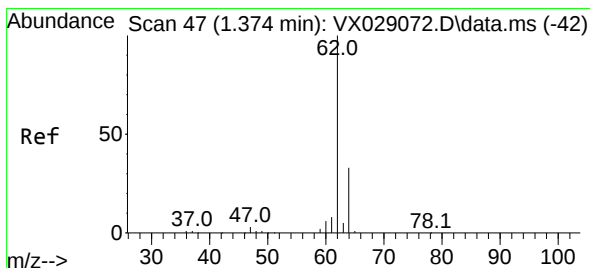
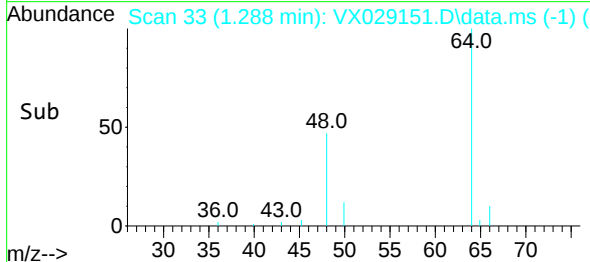
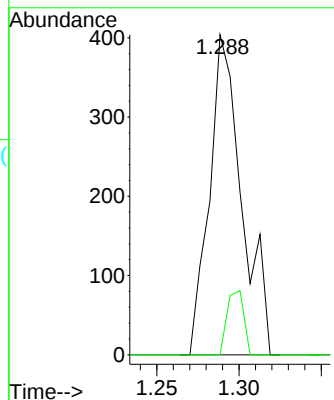
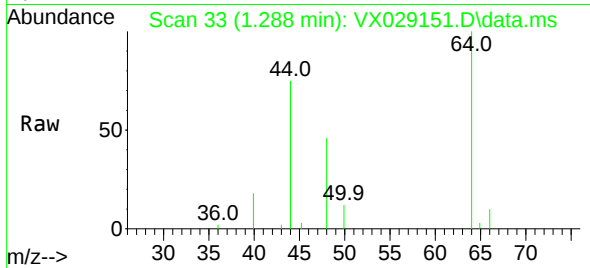




#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

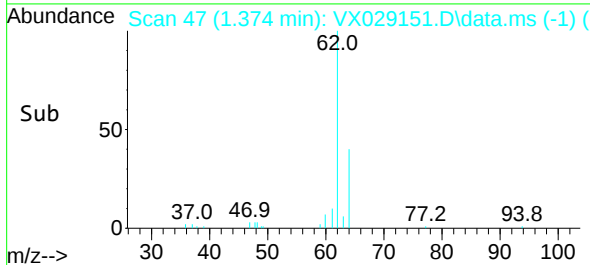
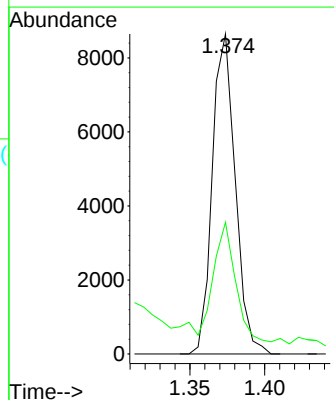
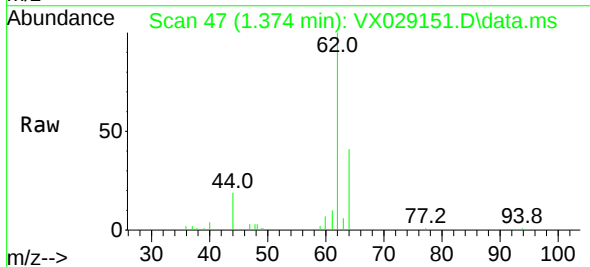
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

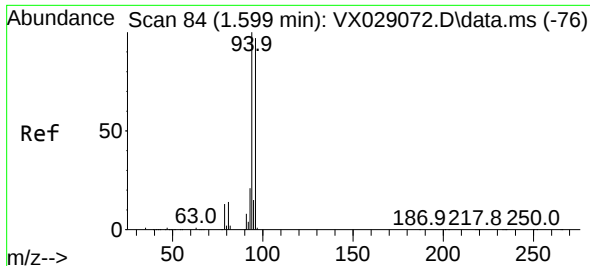
Tgt Ion: 50 Resp: 552
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 3.083 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 62 Resp: 9223
Ion Ratio Lower Upper
62 100
64 36.3 25.5 38.3

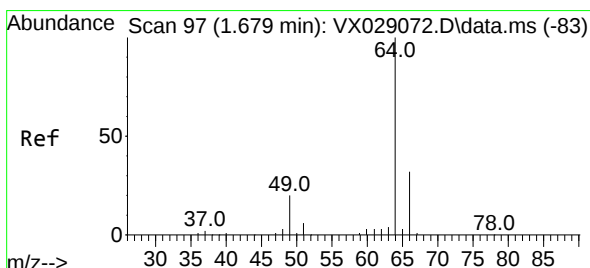
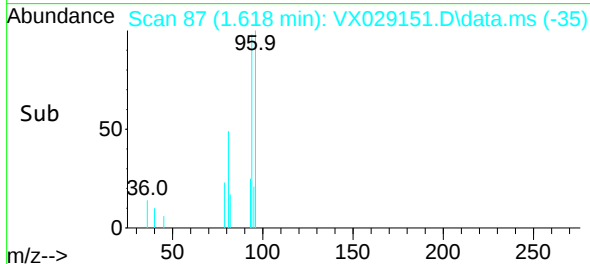
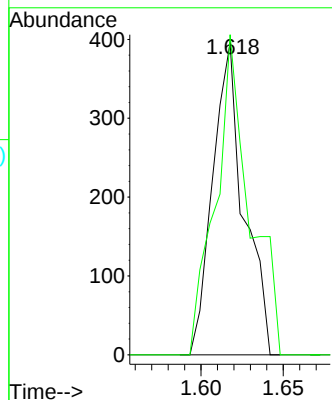
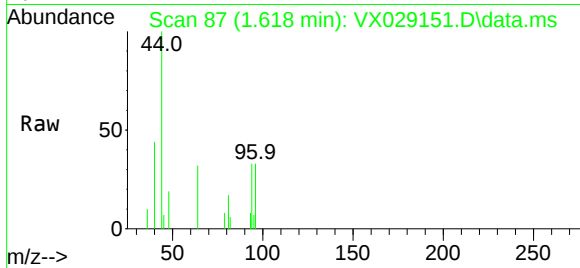




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

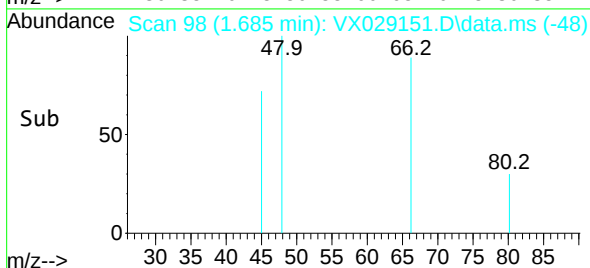
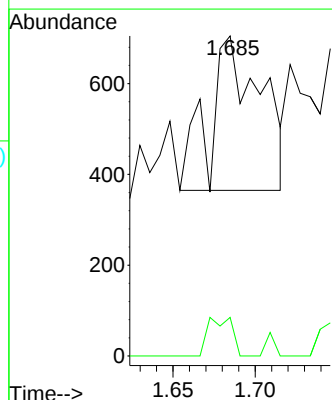
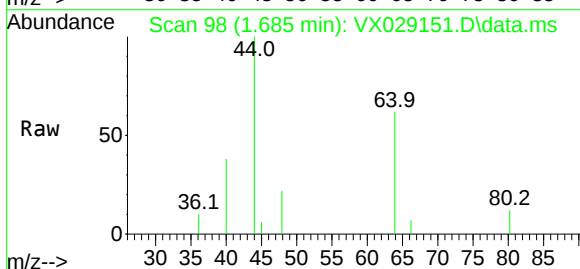
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

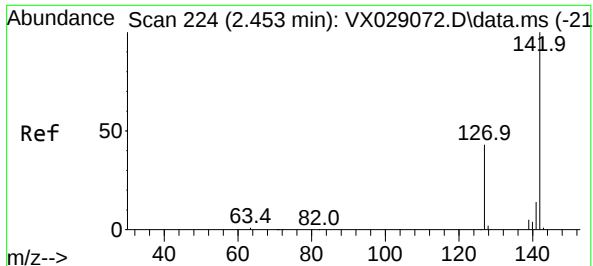
Tgt Ion: 94 Resp: 519
Ion Ratio Lower Upper
94 100
96 102.5 75.3 112.9



#6
Chloroethane
Concen: 1.679 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 64 Resp: 742
Ion Ratio Lower Upper
64 100
66 25.0 25.3 37.9#

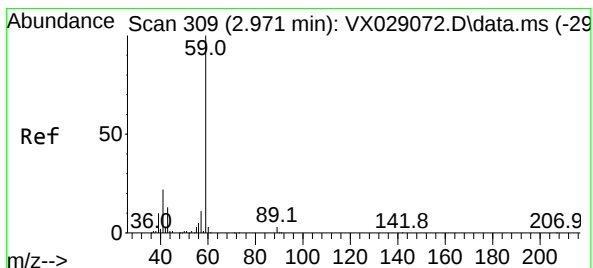
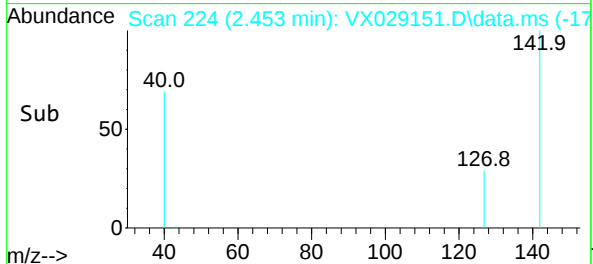
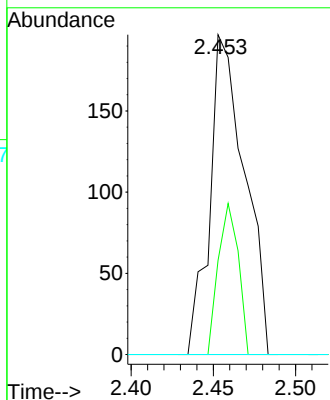
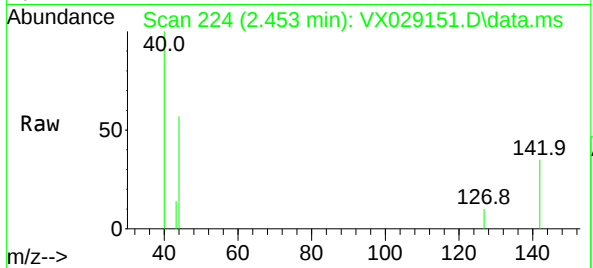




#10
Methyl Iodide
Concen: 4.306 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

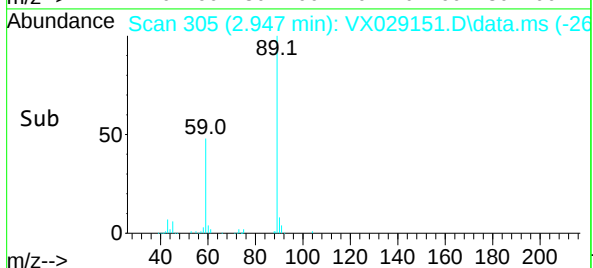
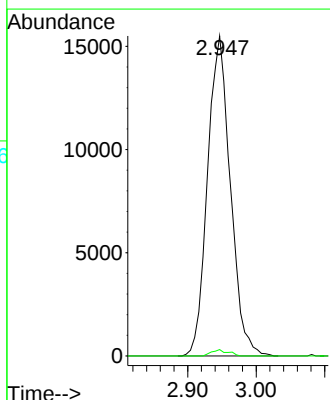
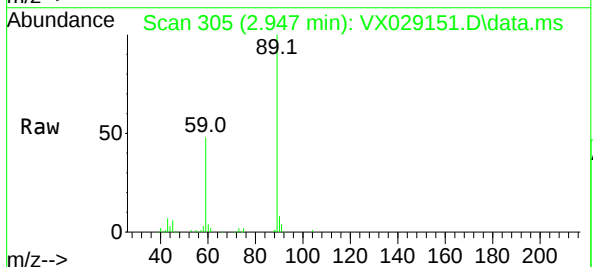
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

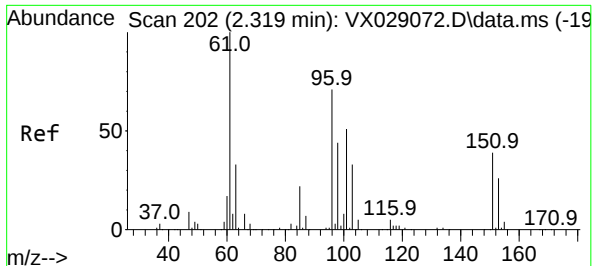
Tgt Ion:142 Resp: 291
Ion Ratio Lower Upper
142 100
127 27.1 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 45.987 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 59 Resp: 35917
Ion Ratio Lower Upper
59 100
57 1.4 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.282 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX029151.D

Acq: 02 Jun 2022 21:23

Instrument :

MSVOA_X

ClientSampleId :

25BR-20220525

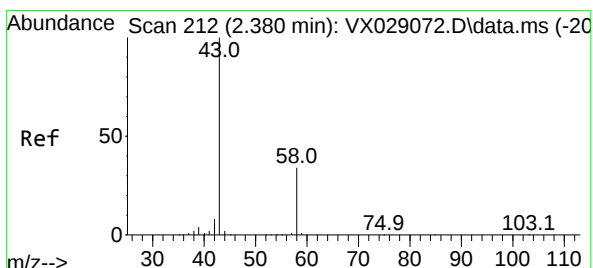
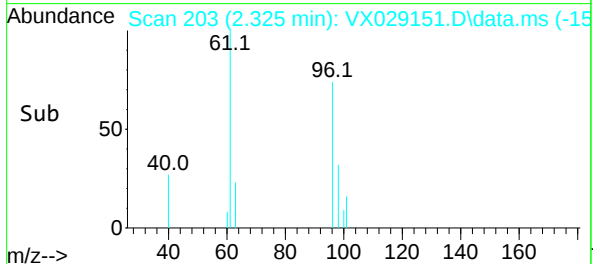
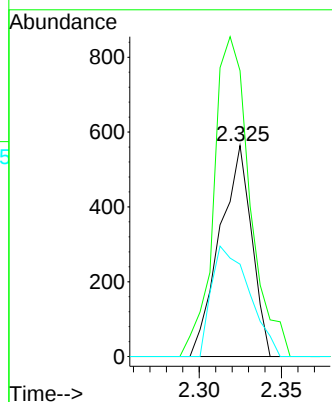
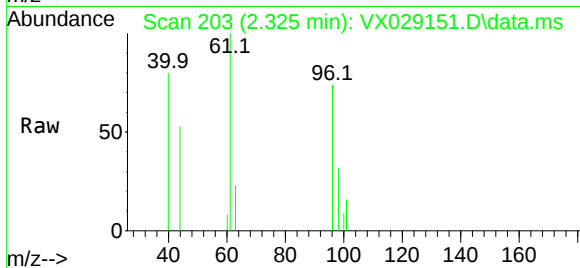
Tgt Ion: 96 Resp: 760

Ion Ratio Lower Upper

96 100

61 135.5 124.6 187.0

98 43.8 51.0 76.4#



#16

Acetone

Concen: 1.441 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX029151.D

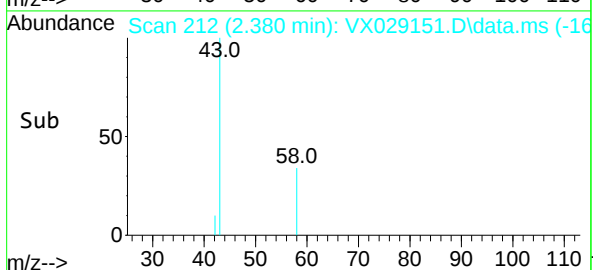
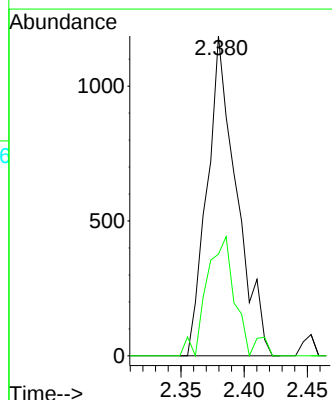
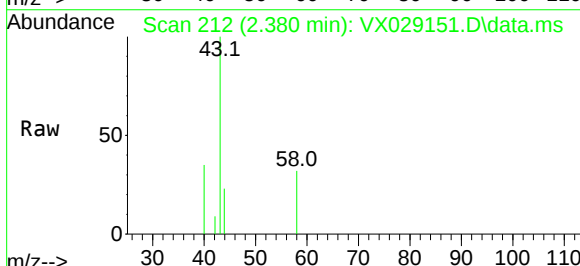
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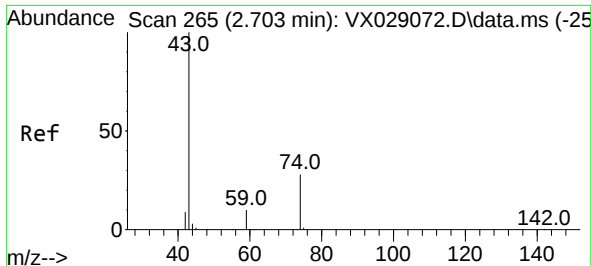
Tgt Ion: 43 Resp: 1913

Ion Ratio Lower Upper

43 100

58 31.8 28.8 43.2

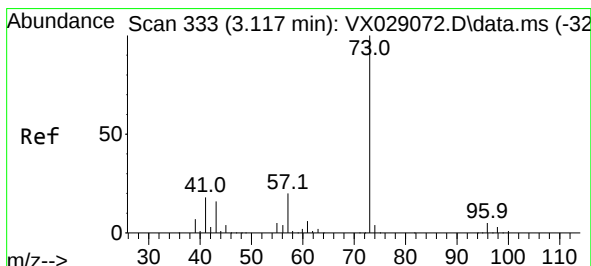
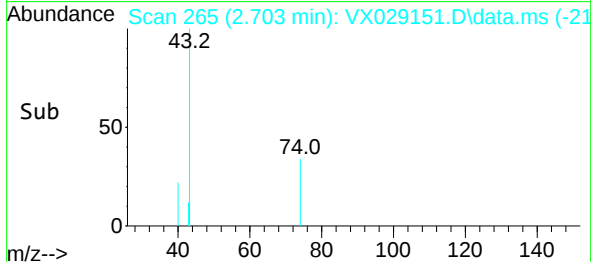
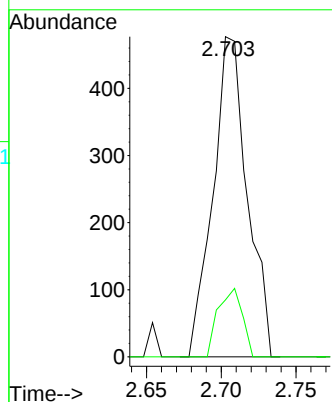
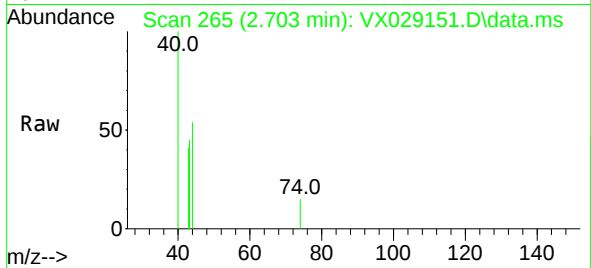




#18
Methyl Acetate
Concen: 0.222 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

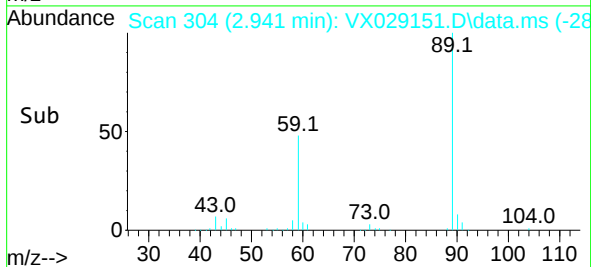
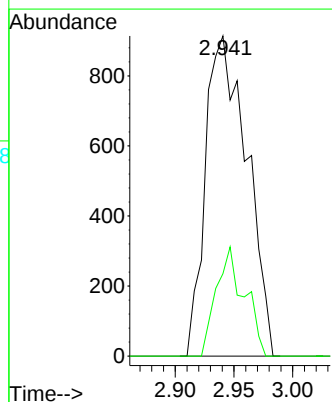
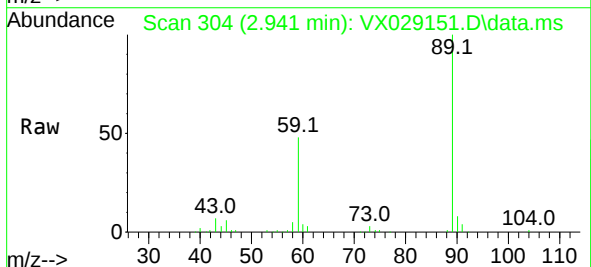
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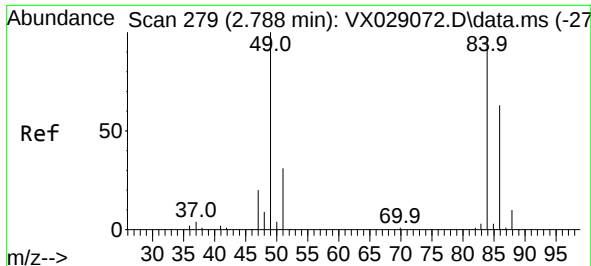
Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
74 15.1 22.8 34.2#



#19
Methyl tert-butyl Ether
Concen: 0.245 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.176 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 73 Resp: 2236
Ion Ratio Lower Upper
73 100
57 25.7 16.8 25.2#



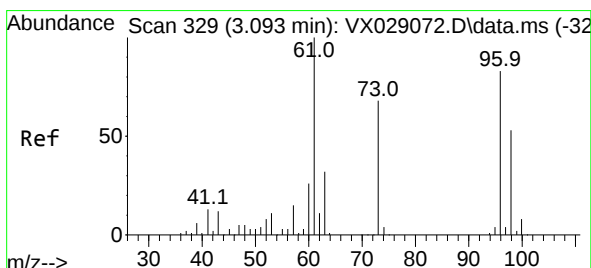
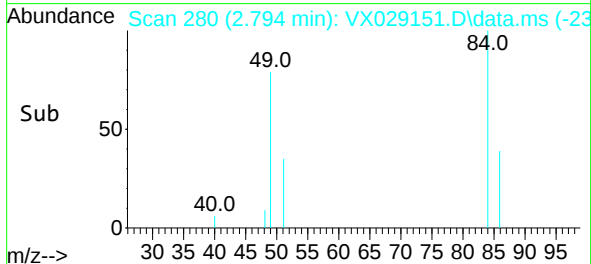
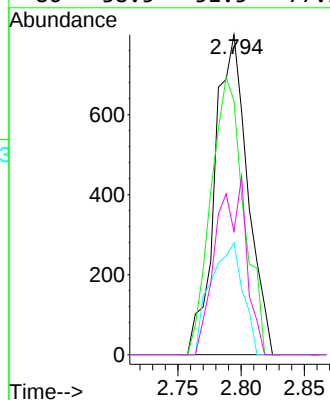
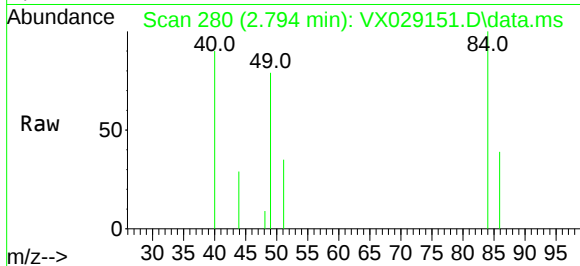


#20
Methylene Chloride
Concen: 0.465 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

Tgt Ion: 84 Resp: 1440

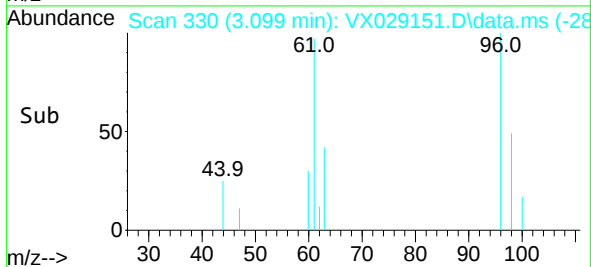
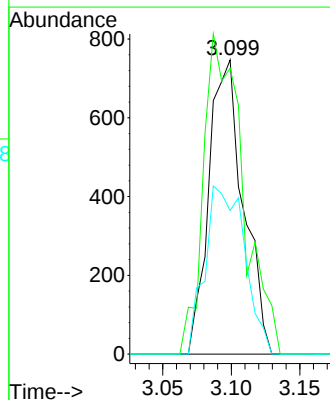
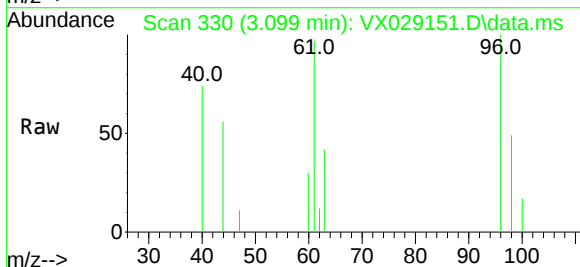
Ion	Ratio	Lower	Upper
84	100		
49	79.4	85.5	128.3#
51	35.0	26.6	39.8
86	38.5	51.5	77.3#

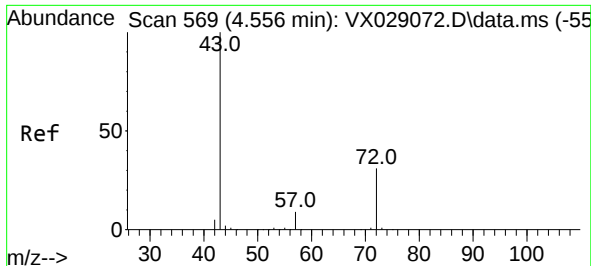


#21
trans-1,2-Dichloroethene
Concen: 0.431 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 96 Resp: 1311

Ion	Ratio	Lower	Upper
96	100		
61	97.2	105.4	158.2#
98	48.9	50.0	75.0#





#25

2-Butanone

Concen: 0.455 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029151.D

Acq: 02 Jun 2022 21:23

Instrument :

MSVOA_X

ClientSampleId :

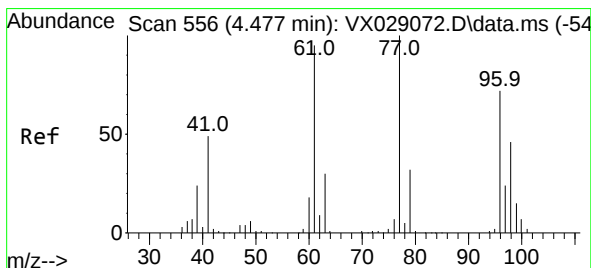
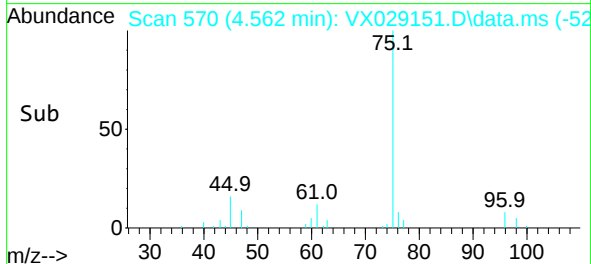
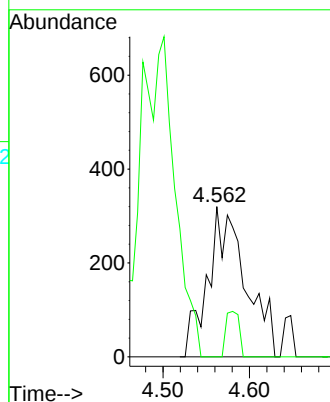
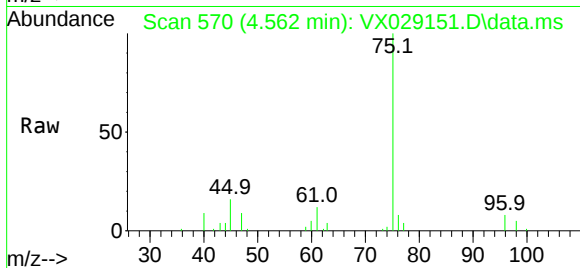
25BR-20220525

Tgt Ion: 43 Resp: 974

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#



#26

2,2-Dichloropropane

Concen: 0.282 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.091 min

Lab File: VX029151.D

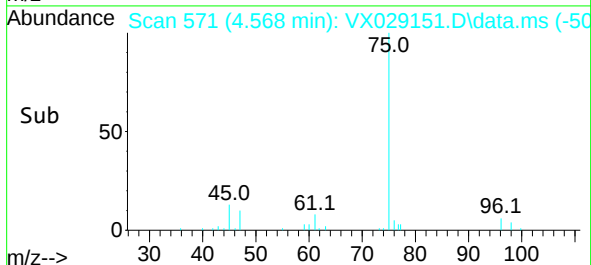
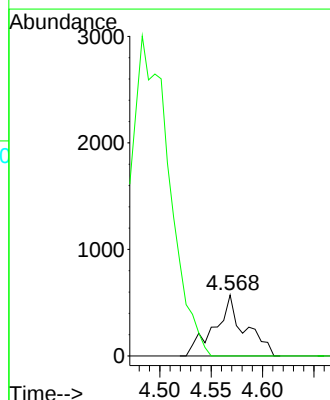
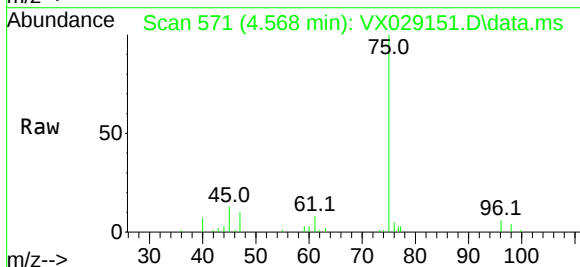
Acq: 02 Jun 2022 21:23

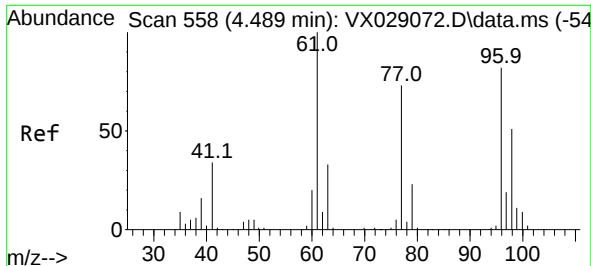
Tgt Ion: 77 Resp: 1160

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

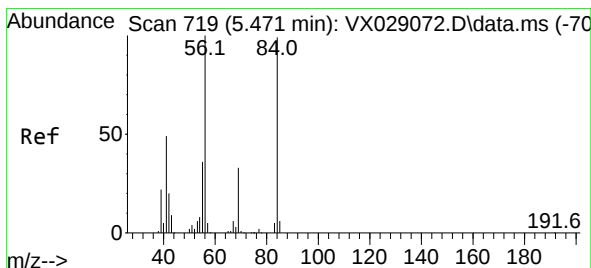
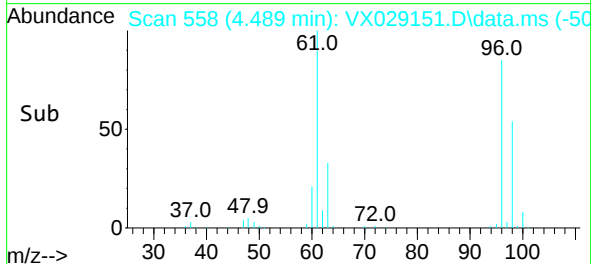
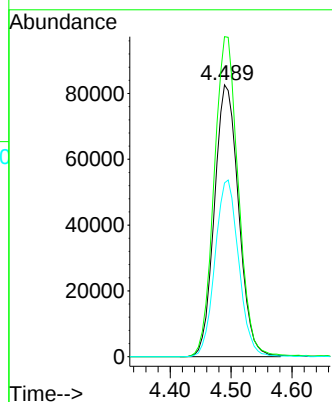
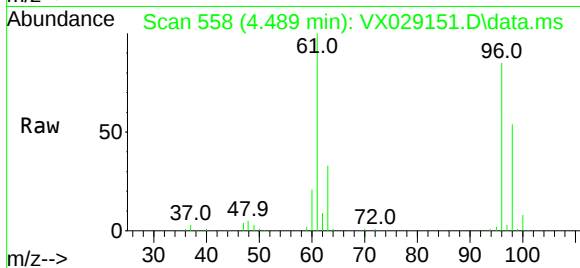




#27
 cis-1,2-Dichloroethene
 Concen: 62.951 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX029151.D
 Acq: 02 Jun 2022 21:23

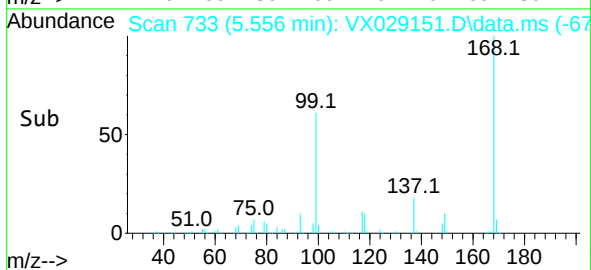
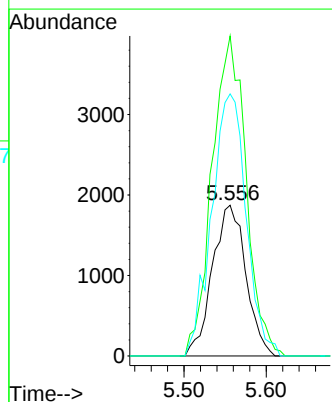
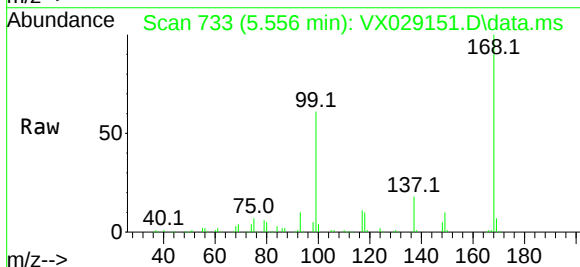
Instrument :
 MSVOA_X
 ClientSampleId :
 25BR-20220525

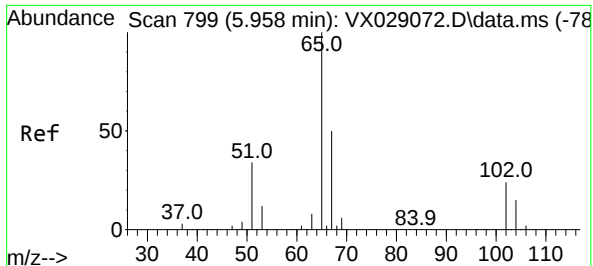
Tgt Ion: 96 Resp: 228234
 Ion Ratio Lower Upper
 96 100
 61 117.7 0.0 283.8
 98 63.7 0.0 129.8



#31
 Cyclohexane
 Concen: 1.206 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.085 min
 Lab File: VX029151.D
 Acq: 02 Jun 2022 21:23

Tgt Ion: 56 Resp: 5288
 Ion Ratio Lower Upper
 56 100
 69 212.3 26.7 40.1#
 84 173.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.976 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029151.D

Acq: 02 Jun 2022 21:23

Instrument :

MSVOA_X

ClientSampleId :

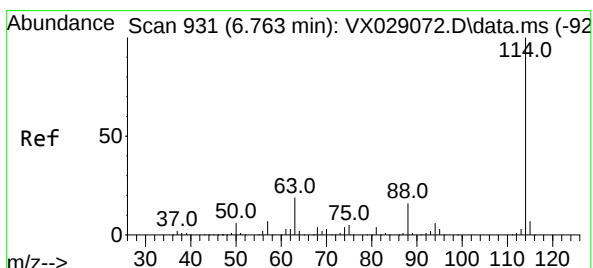
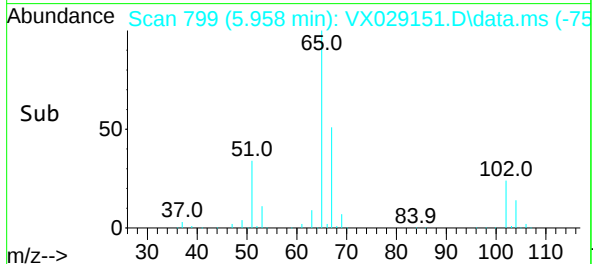
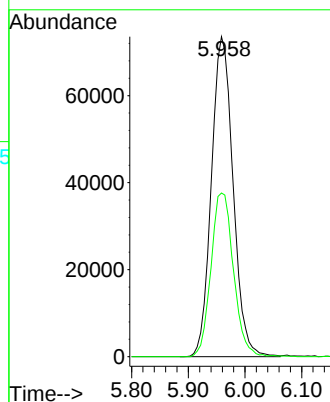
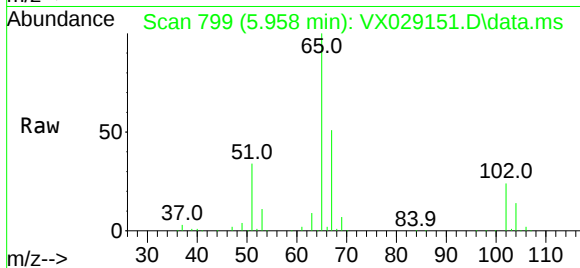
25BR-20220525

Tgt Ion: 65 Resp: 195466

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029151.D

Acq: 02 Jun 2022 21:23

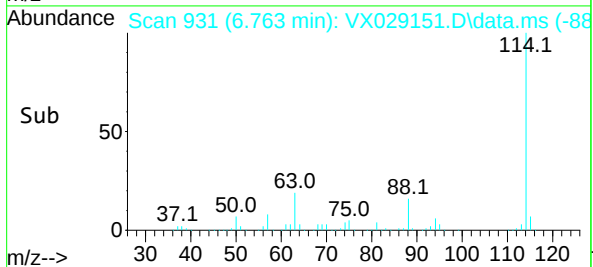
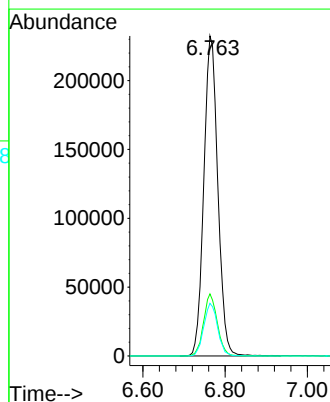
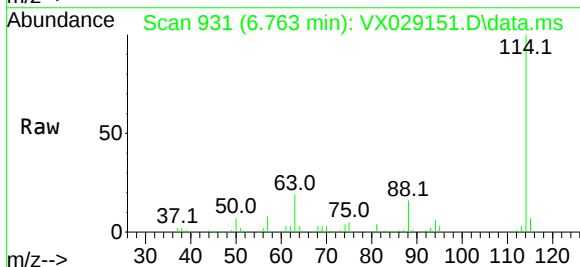
Tgt Ion: 114 Resp: 548696

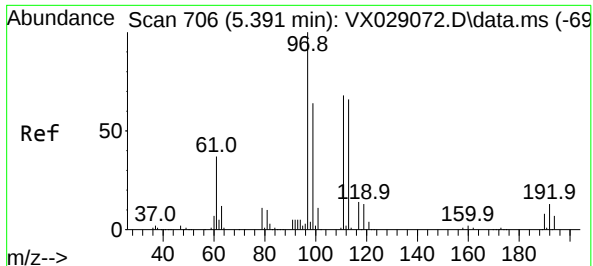
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 16.4 0.0 32.4

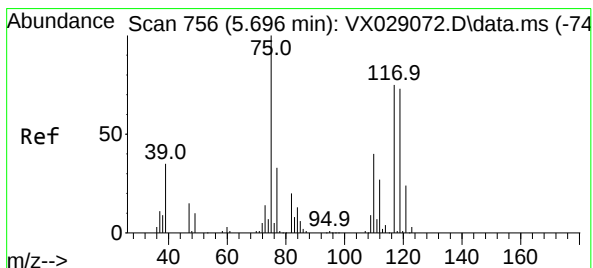
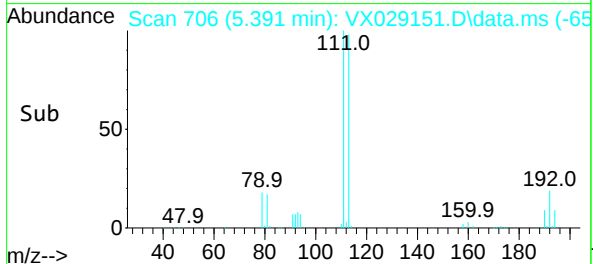
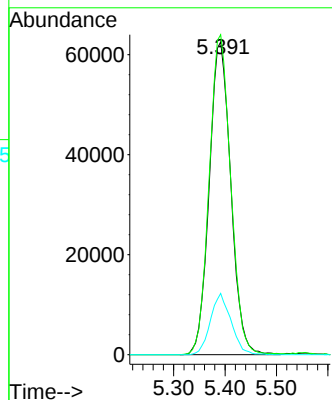
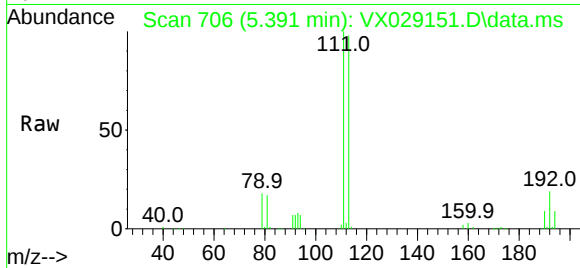




#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

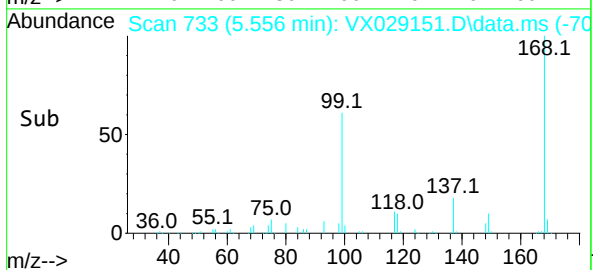
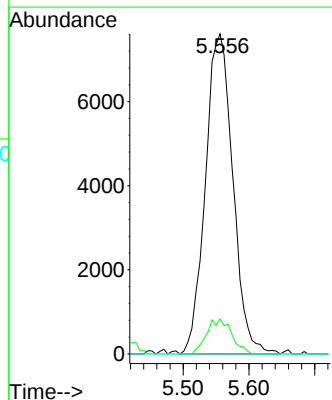
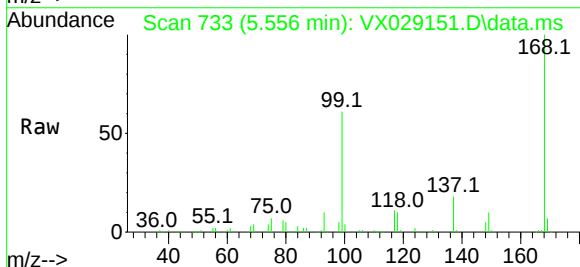
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

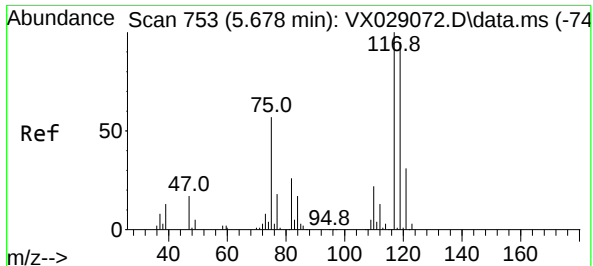
Tgt Ion:113 Resp: 182044
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 75 Resp: 22105
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.952 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX029151.D

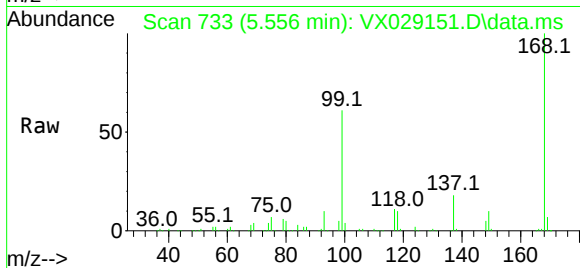
Acq: 02 Jun 2022 21:23

Instrument :

MSVOA_X

ClientSampleId :

25BR-20220525



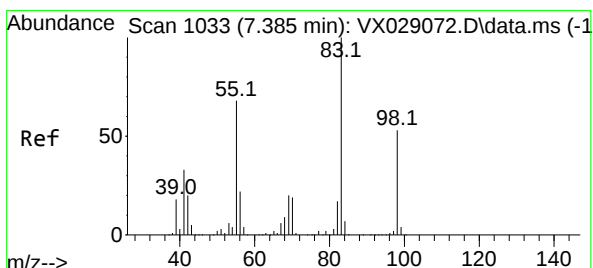
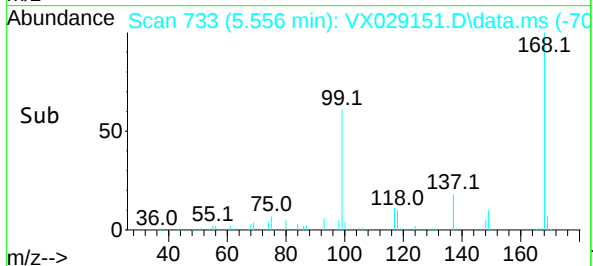
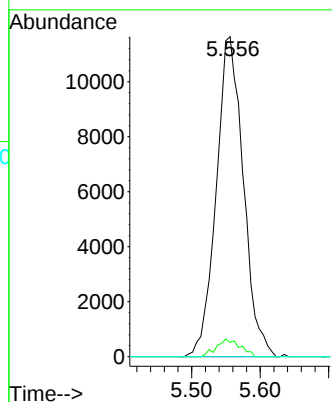
Tgt Ion:117 Resp: 31900

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 24.2 36.2#



#39

Methylcyclohexane

Concen: 0.826 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX029151.D

Acq: 02 Jun 2022 21:23

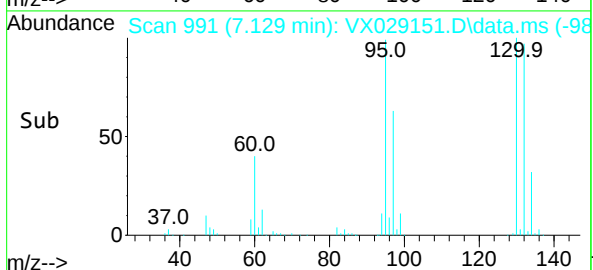
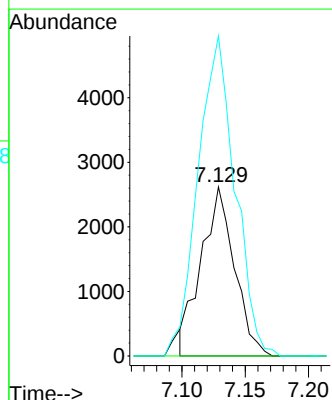
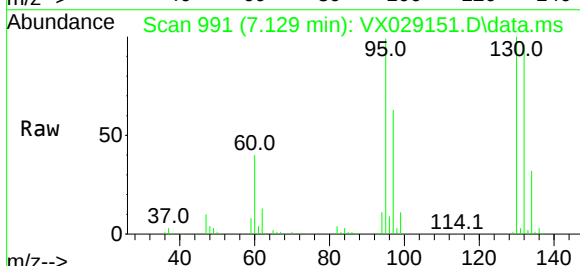
Tgt Ion: 83 Resp: 4791

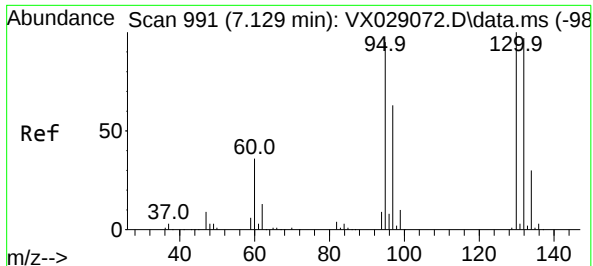
Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 187.2 37.4 56.2#

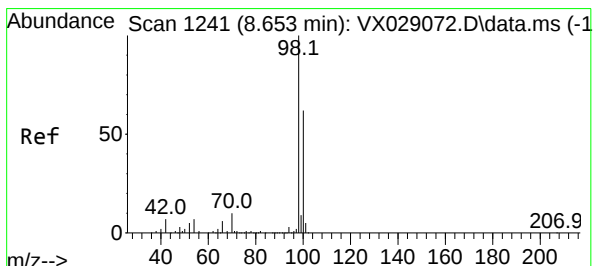
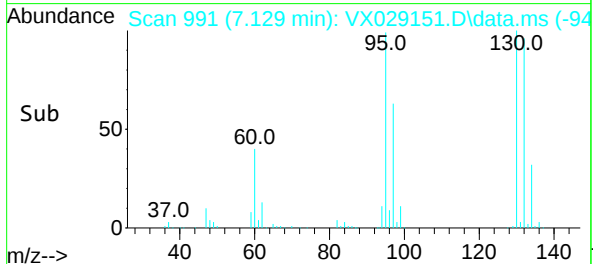
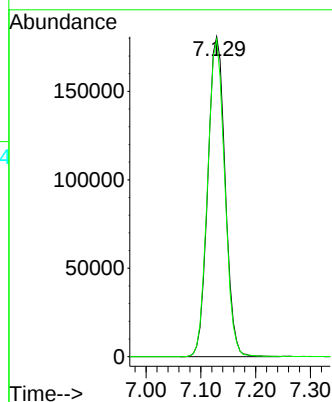
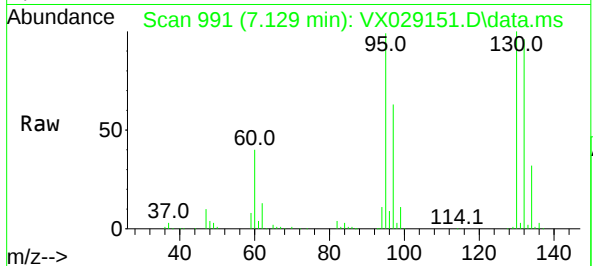




#44
Trichloroethene
Concen: 96.819 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

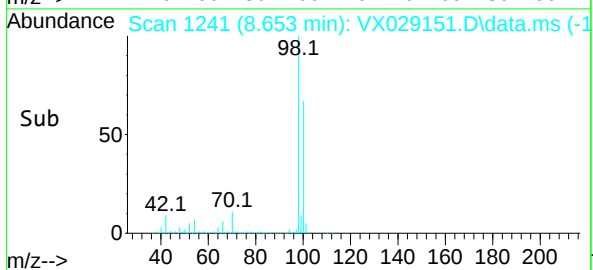
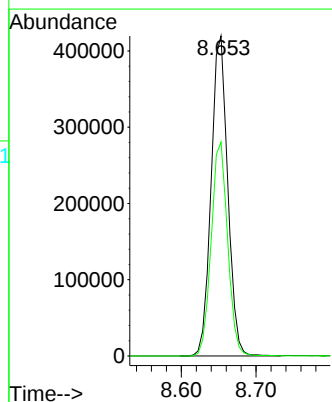
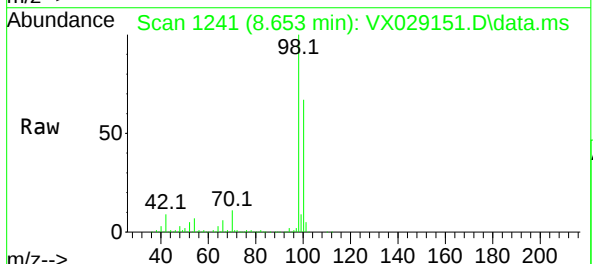
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

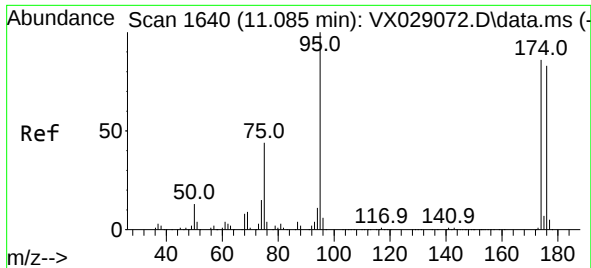
Tgt Ion:130 Resp: 395949
Ion Ratio Lower Upper
130 100
95 99.1 0.0 188.8



#50
Toluene-d8
Concen: 48.545 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 98 Resp: 647093
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8

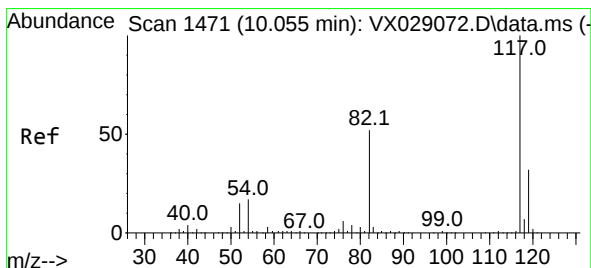
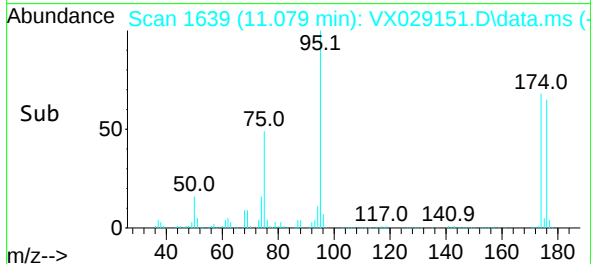
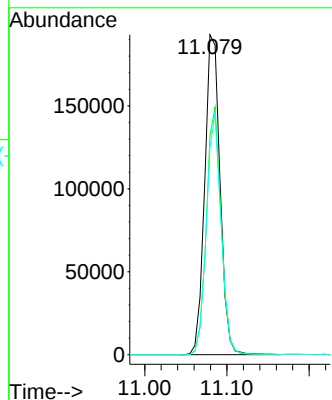
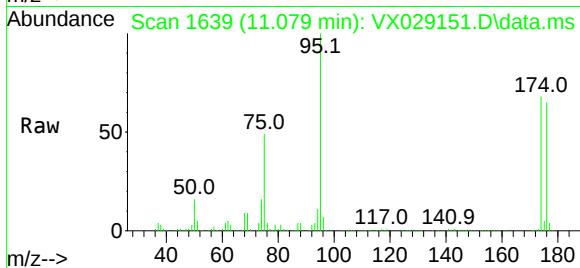




#62
4-Bromofluorobenzene
Concen: 48.490 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

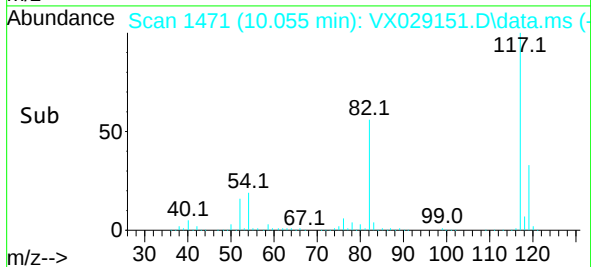
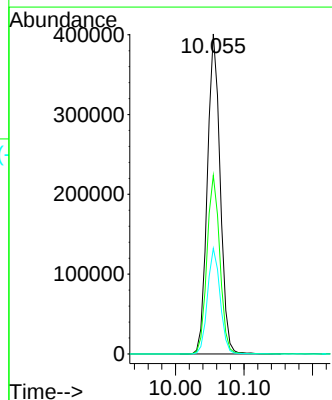
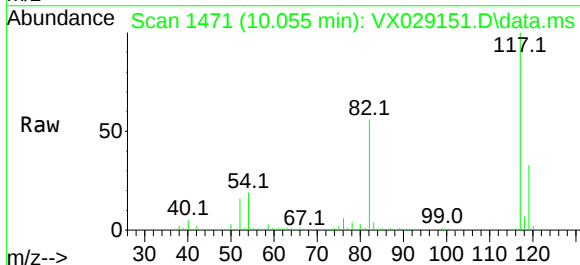
Instrument :
MSVOA_X
ClientSampleId :
25BR-20220525

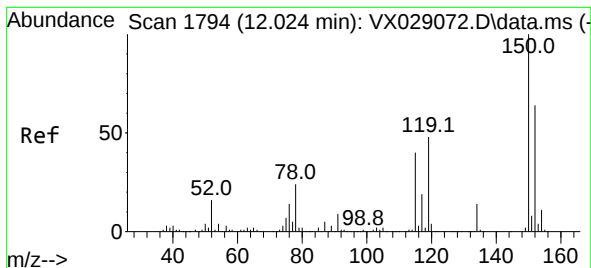
Tgt Ion: 95 Resp: 249851
Ion Ratio Lower Upper
95 100
174 74.3 0.0 163.0
176 72.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029151.D
Acq: 02 Jun 2022 21:23

Tgt Ion: 117 Resp: 522144
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 33.0 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX029151.D

Acq: 02 Jun 2022 21:23

Instrument :

MSVOA_X

ClientSampleId :

25BR-20220525

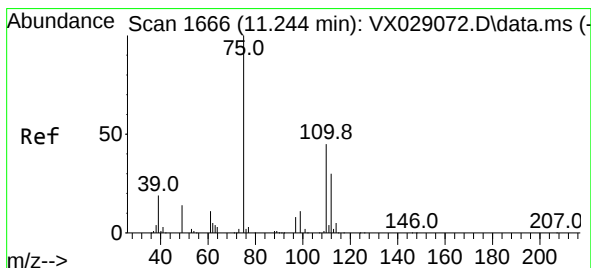
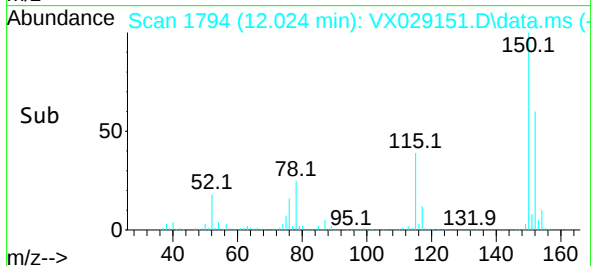
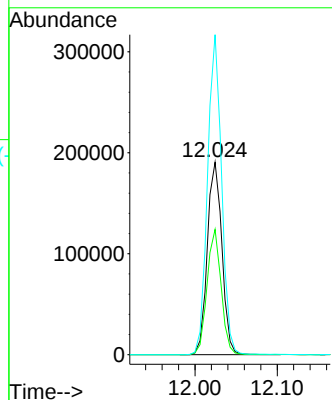
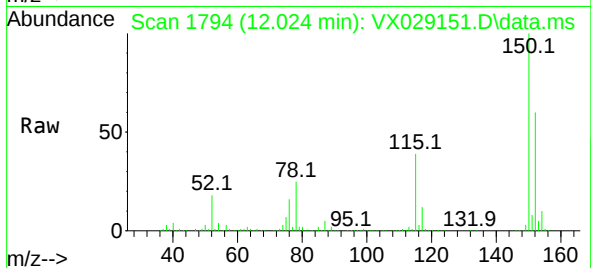
Tgt Ion:152 Resp: 235210

Ion Ratio Lower Upper

152 100

115 62.8 37.5 112.7

150 160.3 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 25.158 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX029151.D

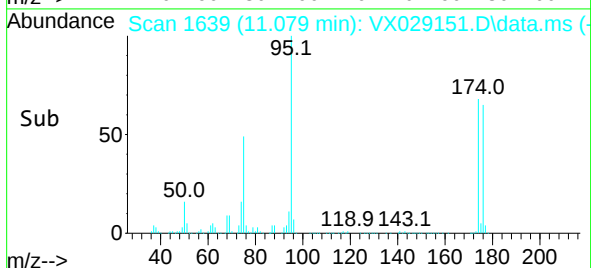
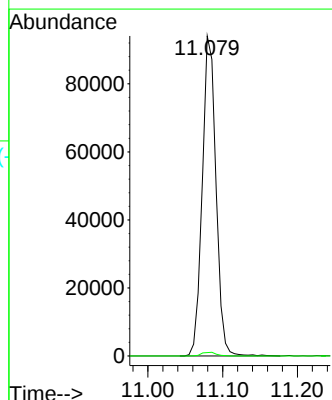
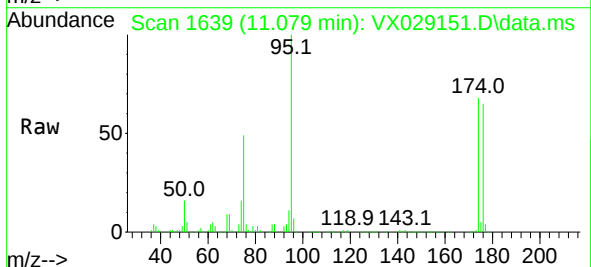
Acq: 02 Jun 2022 21:23

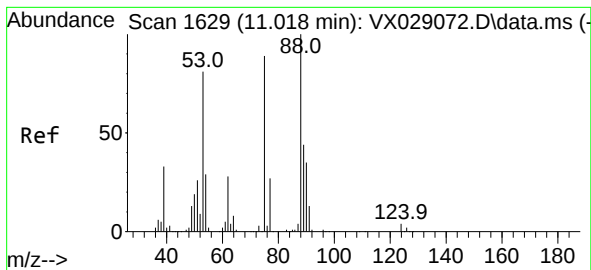
Tgt Ion: 75 Resp: 119954

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.807 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX029151.D
 Acq: 02 Jun 2022 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 25BR-20220525

Tgt Ion: 75 Resp: 119954
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

