

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026830.D
 Acq On : 08 Feb 2022 18:19
 Operator : JC/MD
 Sample : N1429-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 09 03:05:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

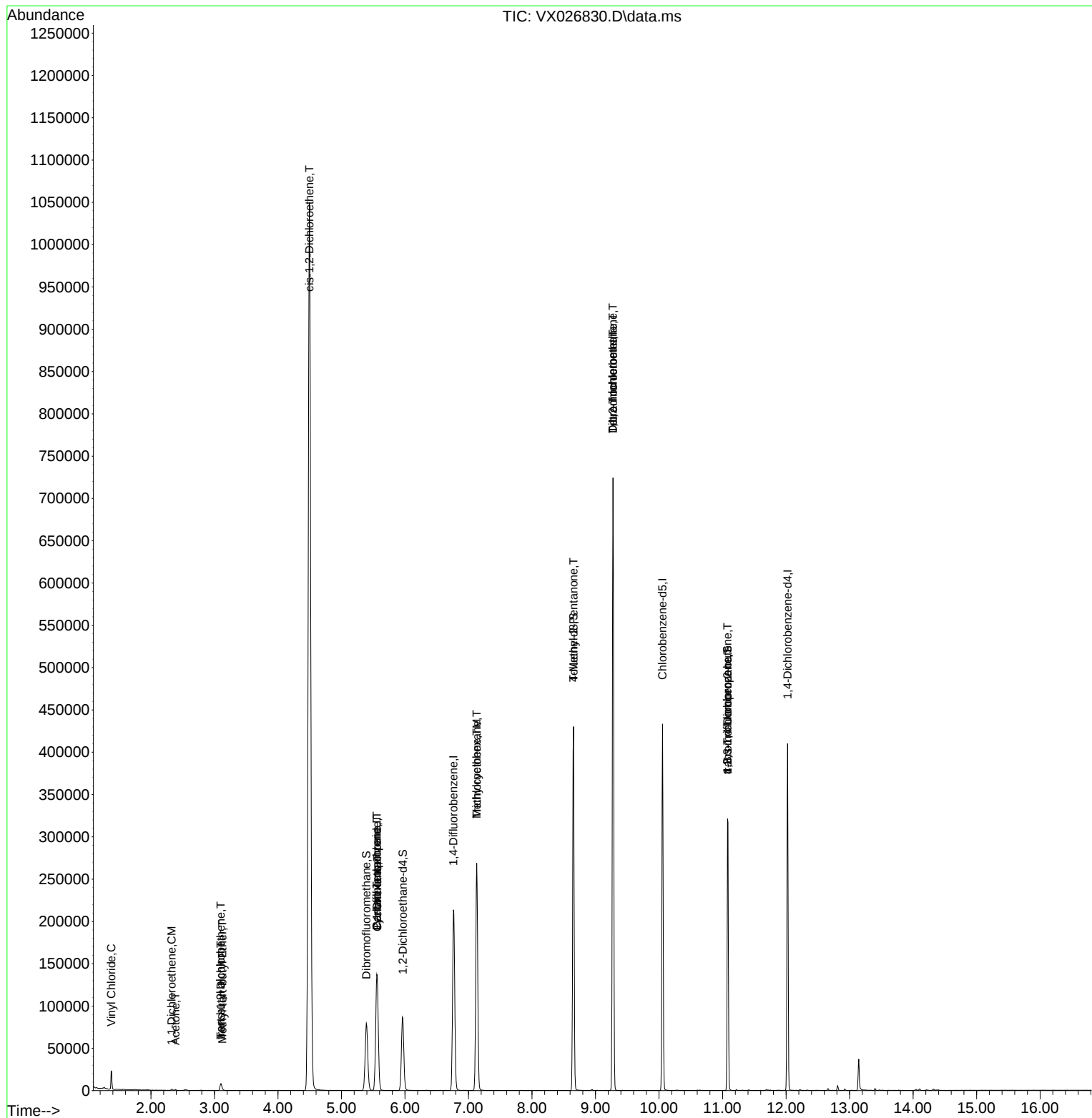
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	132739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221016	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	85109	53.414	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.820%	
35) Dibromofluoromethane	5.391	113	69754	52.974	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.940%	
50) Toluene-d8	8.653	98	251945	52.125	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	11.079	95	91533	53.789	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.580%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	13853	9.856	ug/l	100
6) Chloroethane	1.709	64	19	Below Cal	#	43
11) Tert butyl alcohol	3.099	59	98	0.340	ug/l #	1
12) 1,1-Dichloroethene	2.325	96	545	0.401	ug/l	96
16) Acetone	2.386	43	1372	1.960	ug/l	89
19) Methyl tert-butyl Ether	3.123	73	2148	0.447	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	3007	2.104	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	678381	413.317	ug/l	88
31) Cyclohexane	5.562	56	2709	1.070	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	10082	4.853	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13503	6.199	ug/l #	17
39) Methylcyclohexane	7.129	83	1277	0.501	ug/l #	1
44) Trichloroethene	7.129	130	104265	57.357	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	1146	0.521	ug/l #	1
55) 1,1,2-Trichloroethane	9.275	97	1209	0.833	ug/l #	1
60) Dibromochloromethane	9.275	129	134146	89.844	ug/l #	11
64) Tetrachloroethene	9.275	164	137341	71.728	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	44535	24.514	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	44535	74.839	ug/l #	3

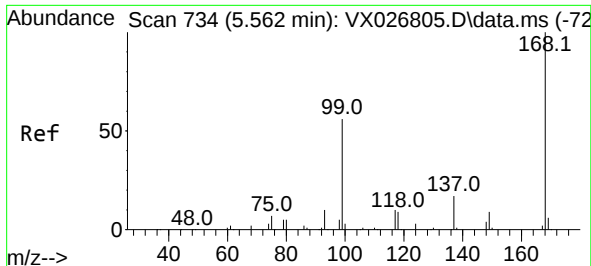
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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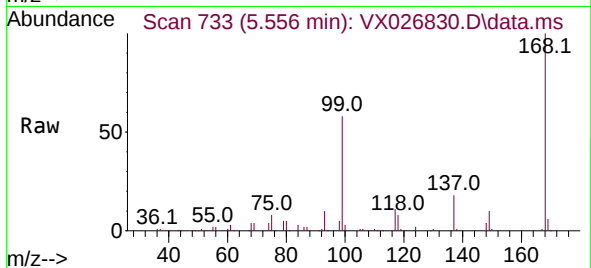
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
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QLast Update : Tue Feb 08 07:07:46 2022
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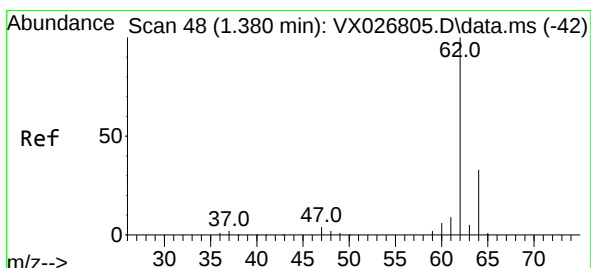
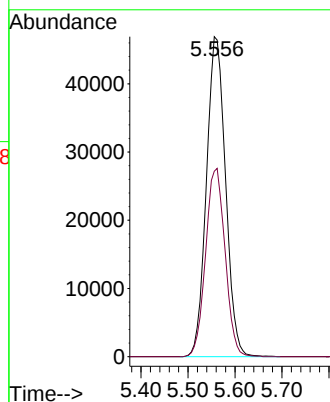
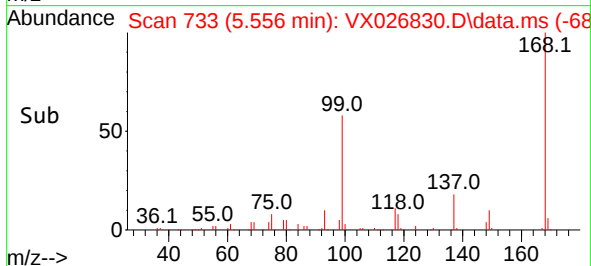


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Instrument :
MSVOA_X
ClientSampleId :

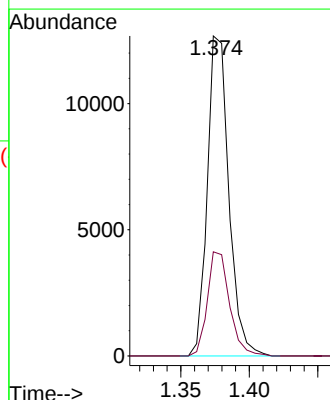
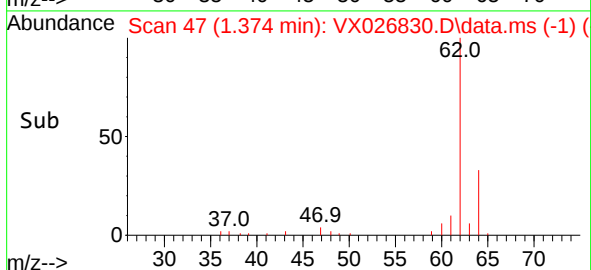
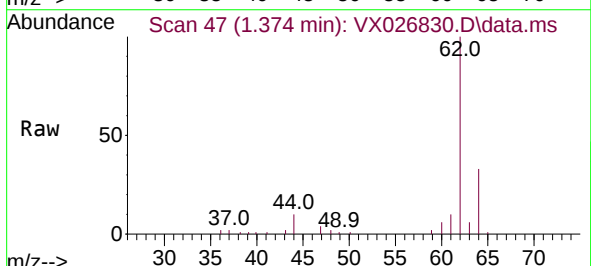


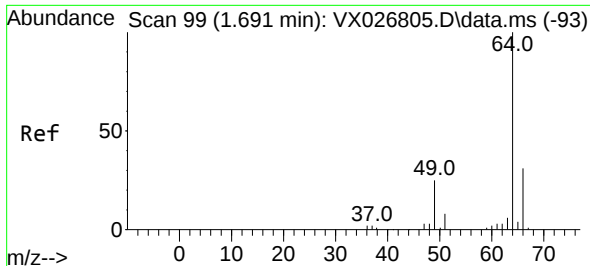
Tgt Ion:168 Resp: 132739
Ion Ratio Lower Upper
168 100
99 57.9 50.3 75.5



#4
Vinyl Chloride
Concen: 9.856 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.006 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Tgt Ion: 62 Resp: 13853
Ion Ratio Lower Upper
62 100
64 32.6 26.2 39.2

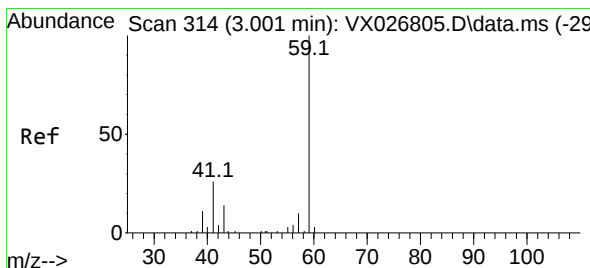
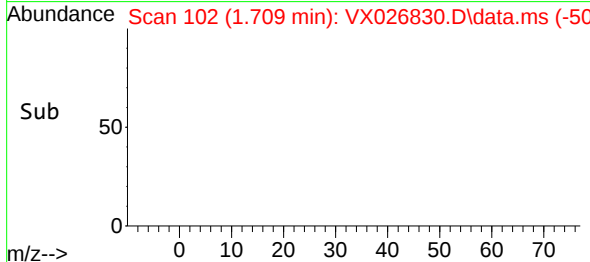
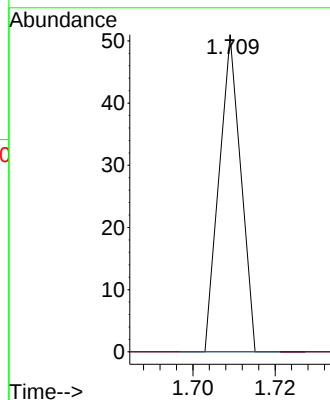
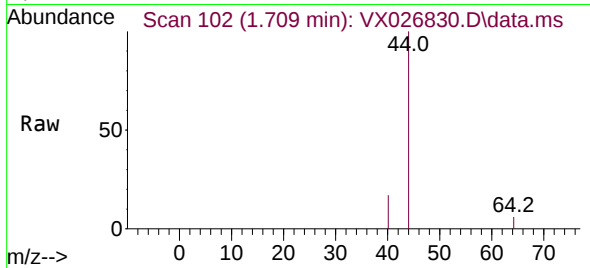




#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 10
Delta R.T. 0.018 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

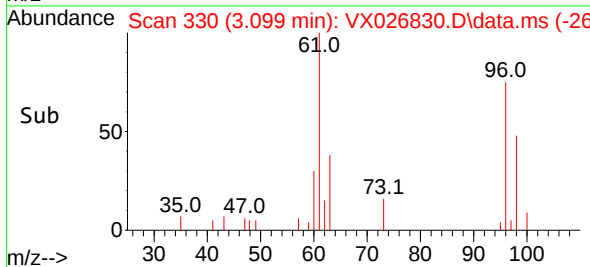
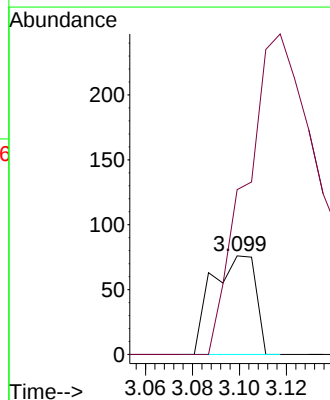
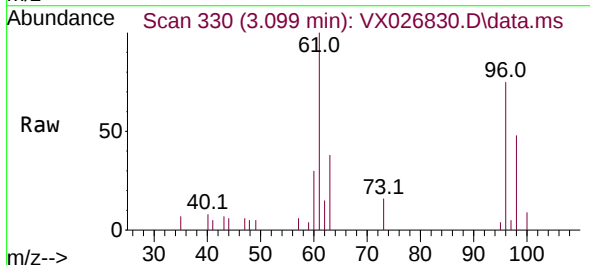
Instrument :
MSVOA_X
ClientSampleId :

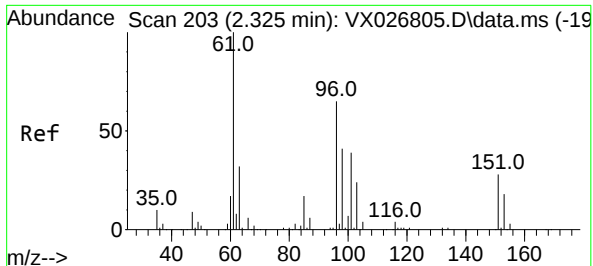
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.340 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.098 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 525.5 7.2 10.8#





#12

1,1-Dichloroethene

Concen: 0.401 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

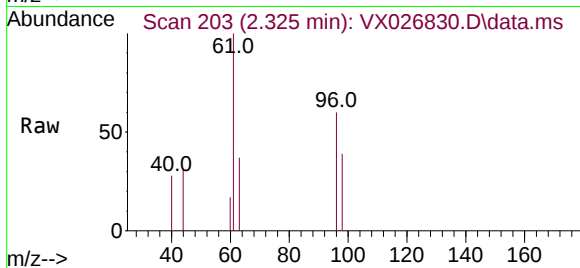
Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

Instrument :

MSVOA_X

ClientSampleId :



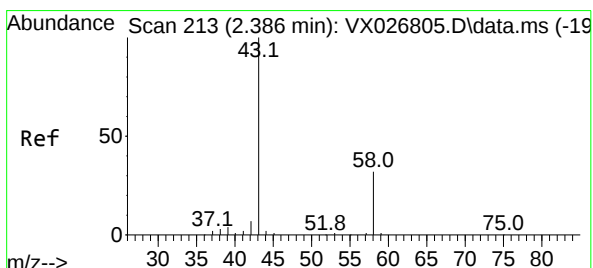
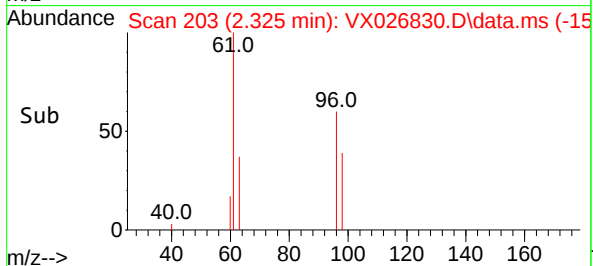
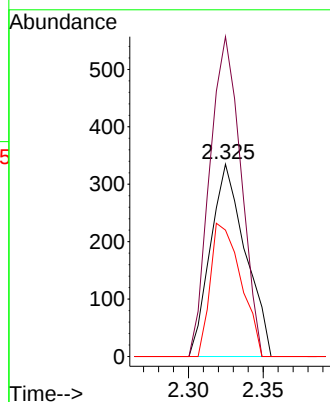
Tgt Ion: 96 Resp: 545

Ion Ratio Lower Upper

96 100

61 166.3 138.5 207.7

98 65.7 51.8 77.6



#16

Acetone

Concen: 1.960 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX026830.D

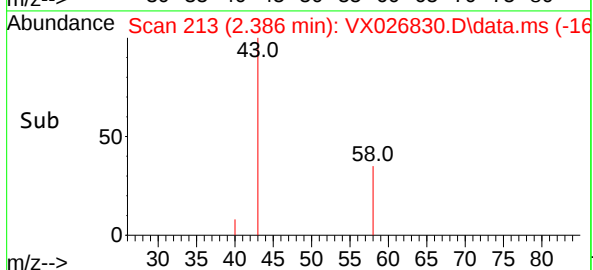
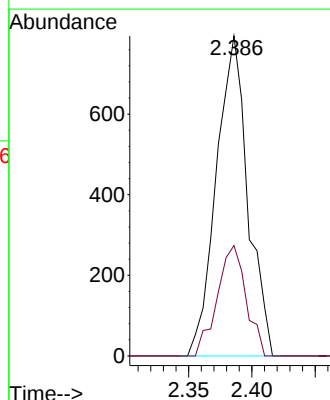
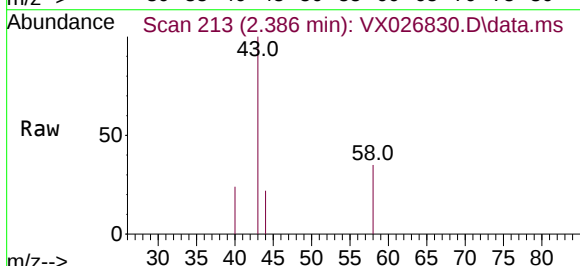
Acq: 08 Feb 2022 18:19

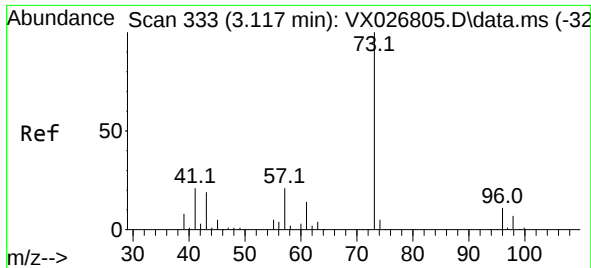
Tgt Ion: 43 Resp: 1372

Ion Ratio Lower Upper

43 100

58 34.5 23.0 34.6

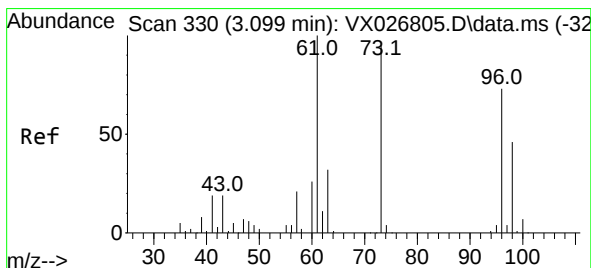
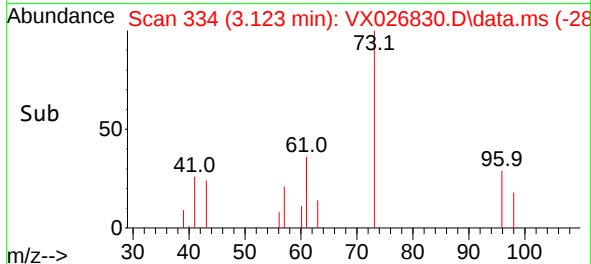
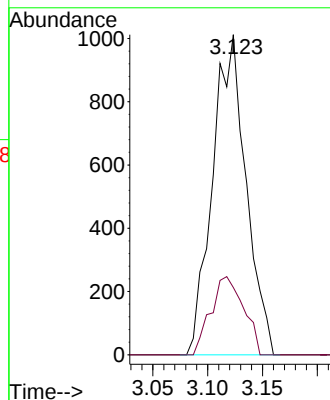
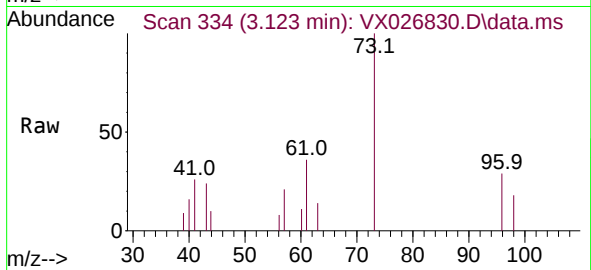




#19
Methyl tert-butyl Ether
Concen: 0.447 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

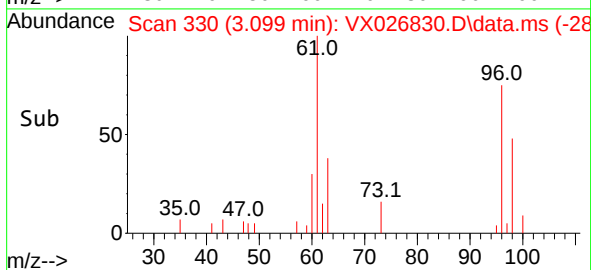
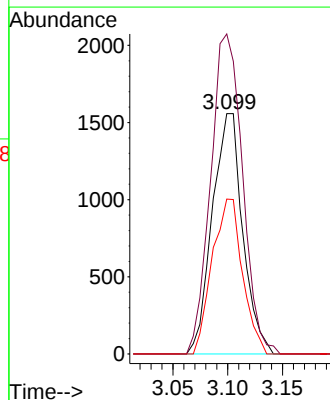
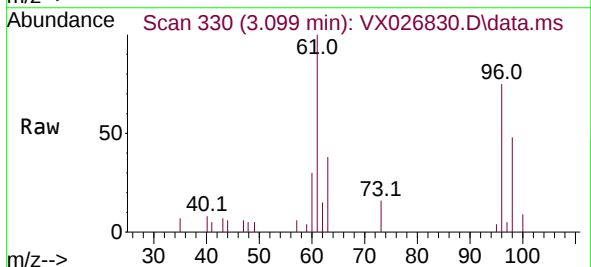
Instrument :
MSVOA_X
ClientSampleId :

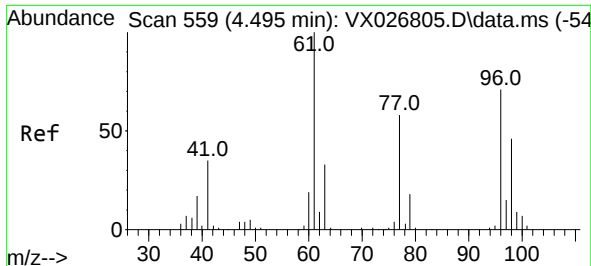
Tgt Ion: 73 Resp: 2148
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2



#21
trans-1,2-Dichloroethene
Concen: 2.104 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.000 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Tgt Ion: 96 Resp: 3007
Ion Ratio Lower Upper
96 100
61 133.1 112.9 169.3
98 64.4 49.5 74.3





#27

cis-1,2-Dichloroethene

Concen: 413.317 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

Instrument :

MSVOA_X

ClientSampleId :

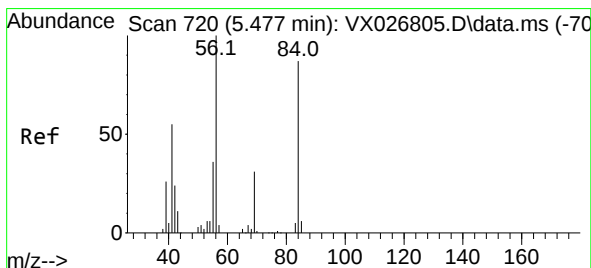
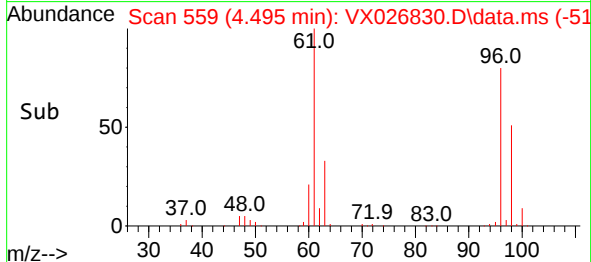
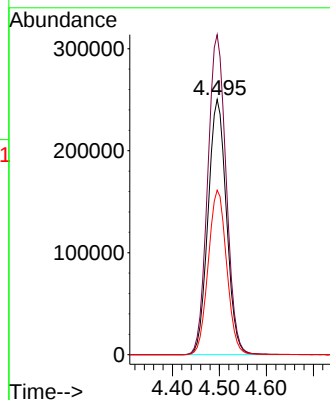
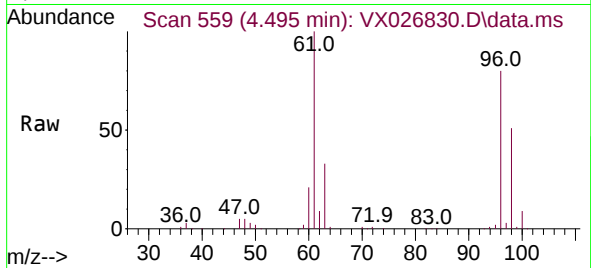
Tgt Ion: 96 Resp: 678381

Ion Ratio Lower Upper

96 100

61 126.1 0.0 296.6

98 64.7 0.0 128.8



#31

Cyclohexane

Concen: 1.070 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

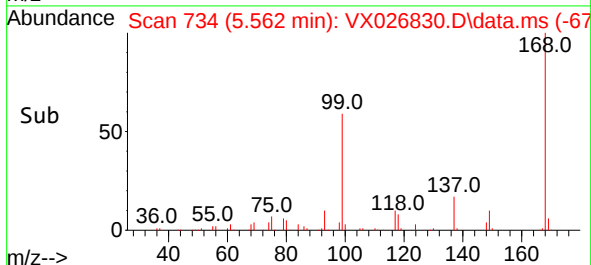
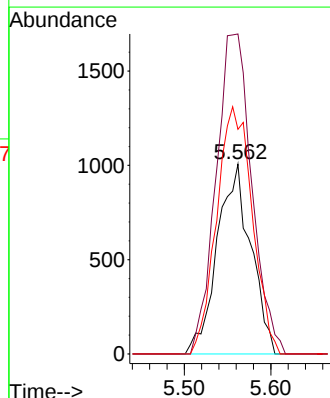
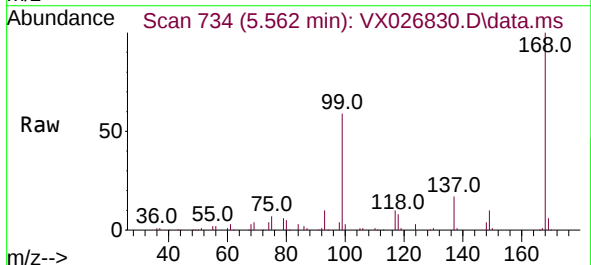
Tgt Ion: 56 Resp: 2709

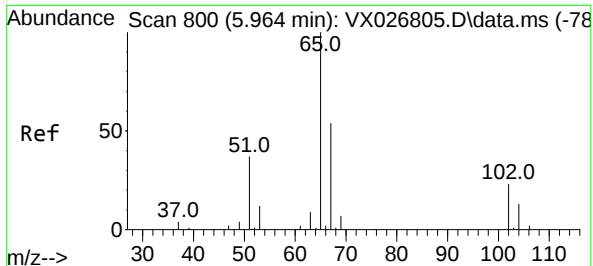
Ion Ratio Lower Upper

56 100

69 168.7 25.8 38.6#

84 118.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.414 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

Instrument :

MSVOA_X

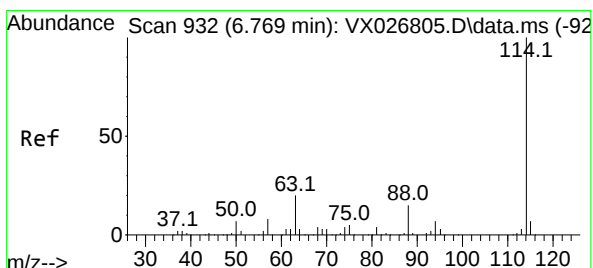
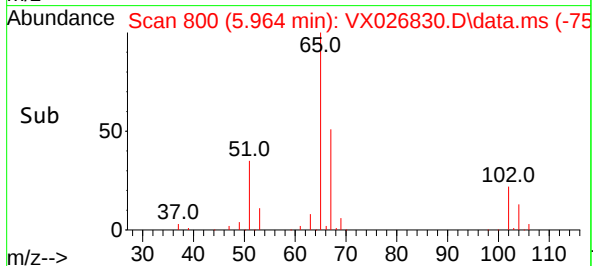
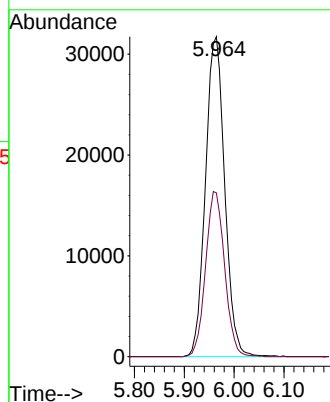
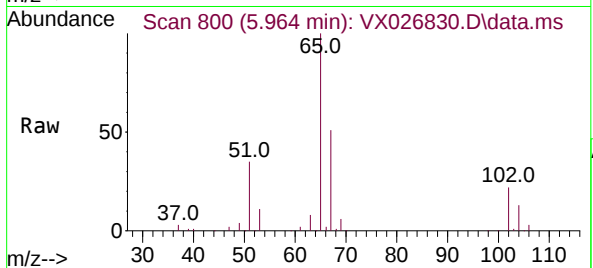
ClientSampleId :

Tgt Ion: 65 Resp: 85109

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

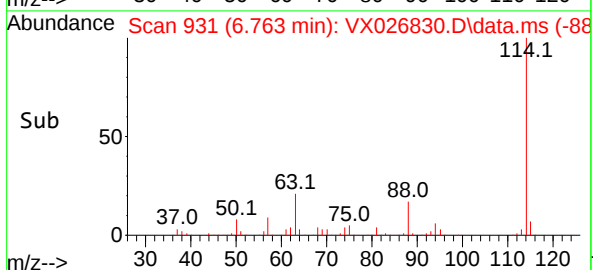
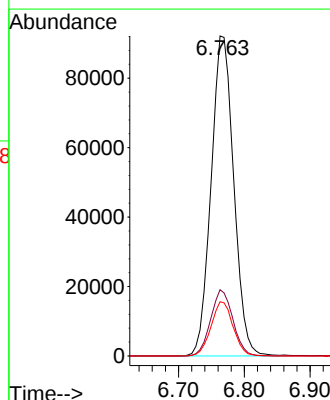
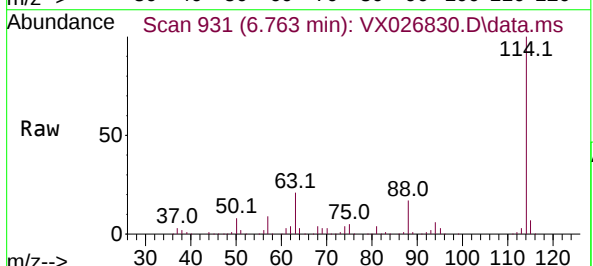
Tgt Ion: 114 Resp: 221016

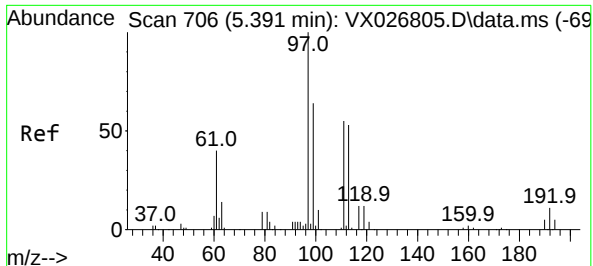
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

88 16.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.974 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

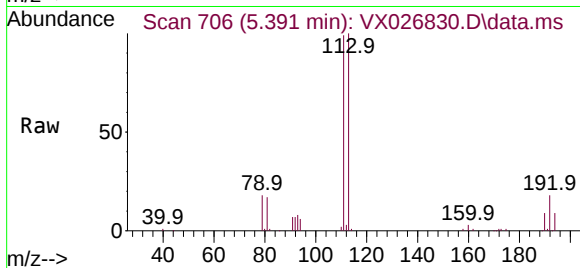
Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

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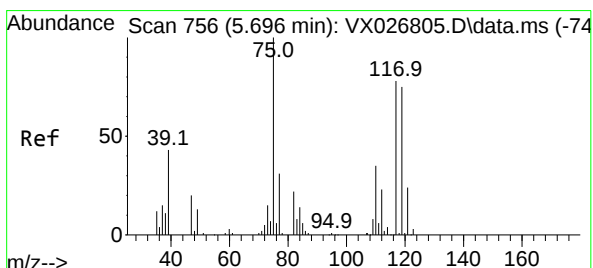
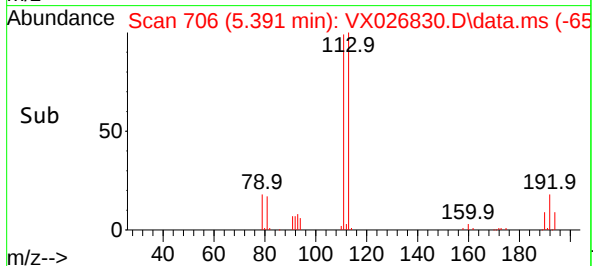
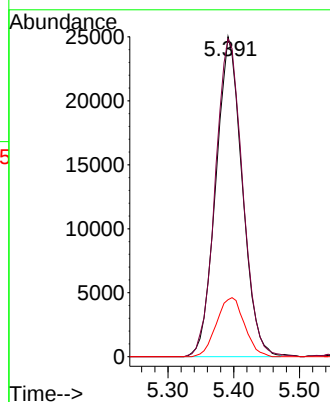
Tgt Ion:113 Resp: 69754

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

192 19.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

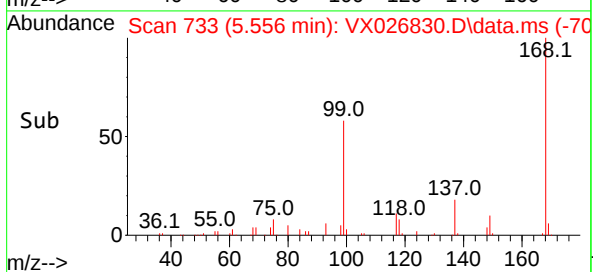
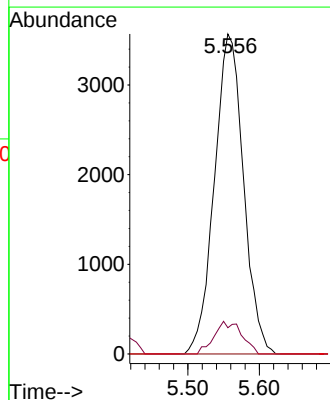
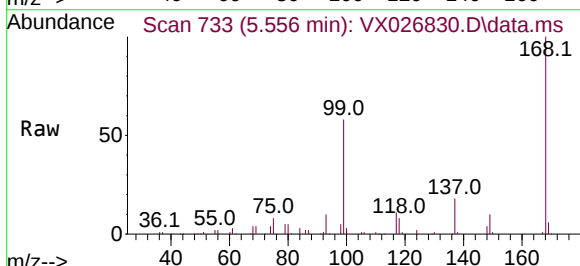
Tgt Ion: 75 Resp: 10082

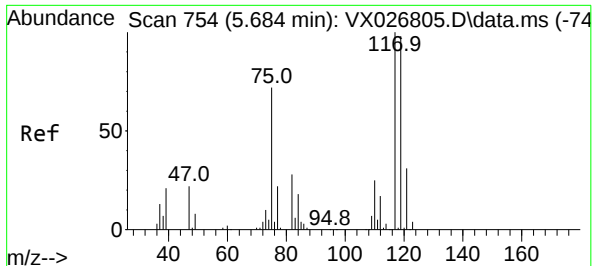
Ion Ratio Lower Upper

75 100

110 9.7 17.2 51.6#

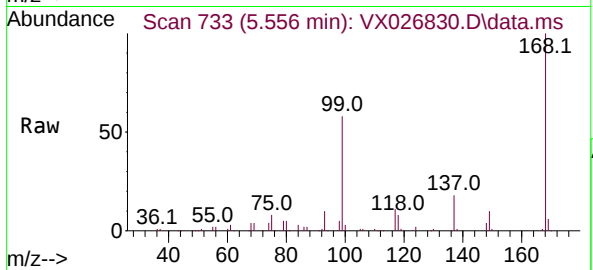
77 0.0 24.6 36.8#



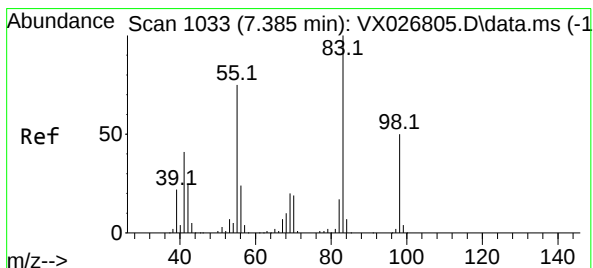
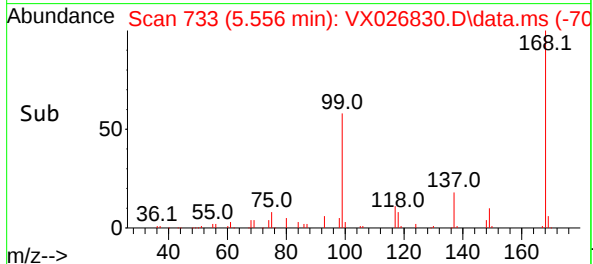
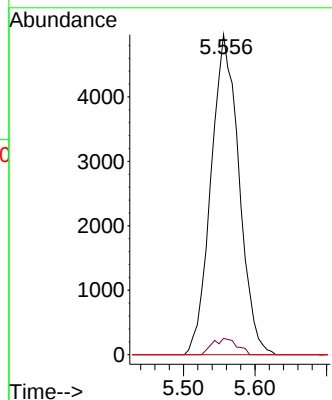


#38
Carbon Tetrachloride
Concen: 6.199 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Instrument :
MSVOA_X
ClientSampleId :

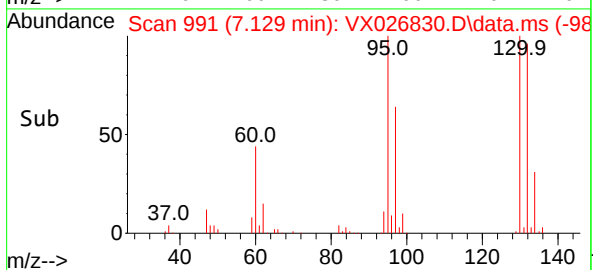
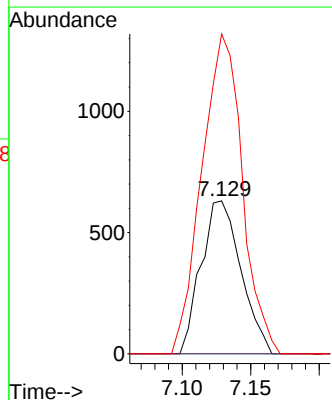
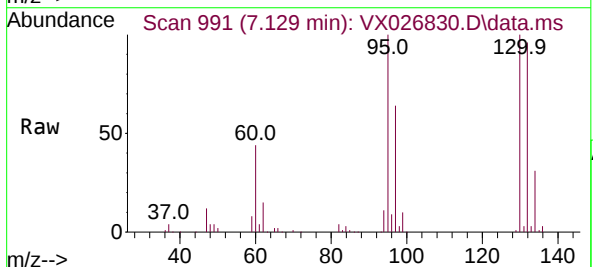


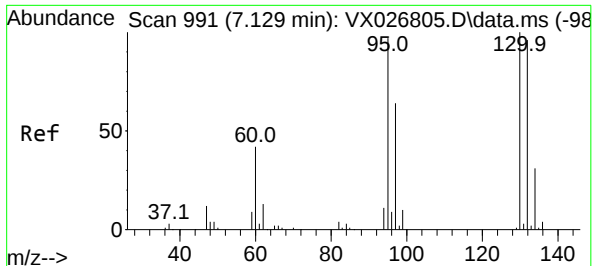
Tgt Ion:117 Resp: 13503
Ion Ratio Lower Upper
117 100
119 5.1 74.7 112.1#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 0.501 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

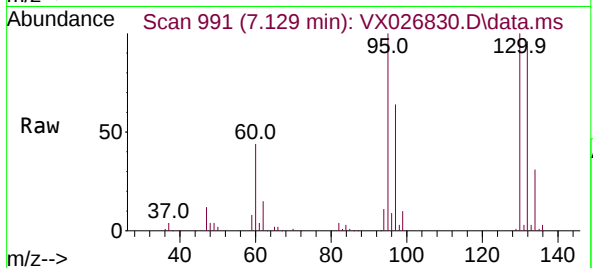
Tgt Ion: 83 Resp: 1277
Ion Ratio Lower Upper
83 100
55 0.0 63.6 95.4#
98 209.0 38.4 57.6#



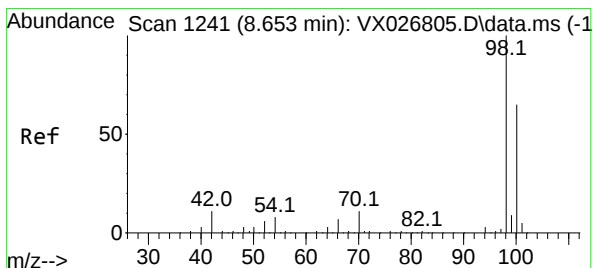
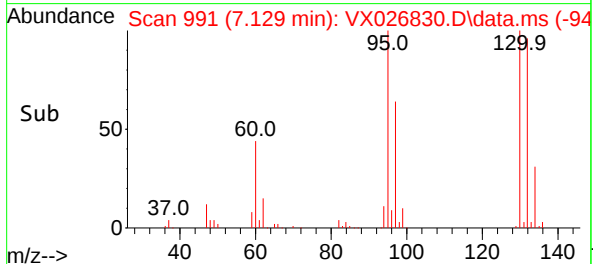
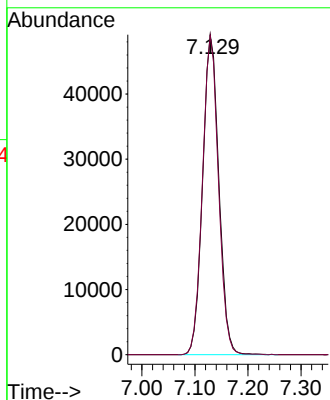


#44
Trichloroethene
Concen: 57.357 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Instrument :
MSVOA_X
ClientSampleId :

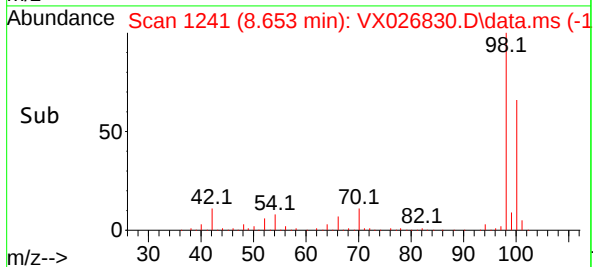
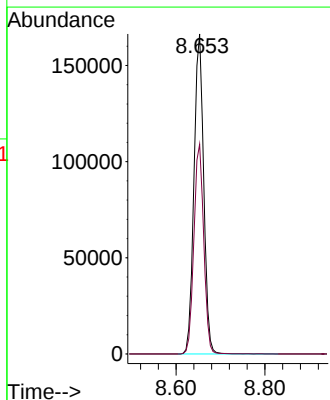
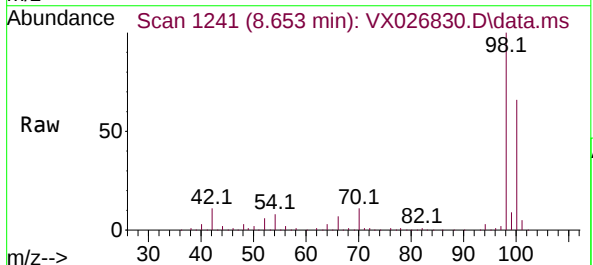


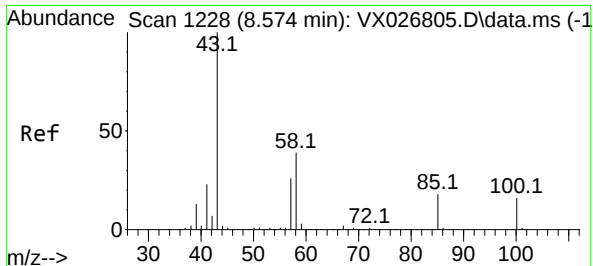
Tgt Ion:130 Resp: 104265
Ion Ratio Lower Upper
130 100
95 99.7 0.0 202.6



#50
Toluene-d8
Concen: 52.125 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Tgt Ion: 98 Resp: 251945
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8

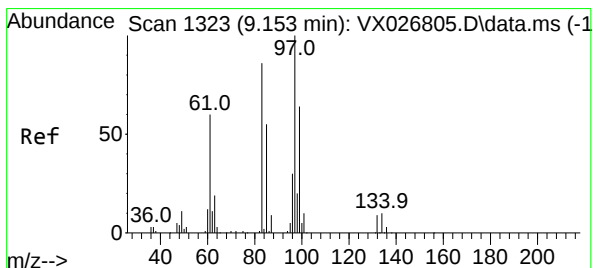
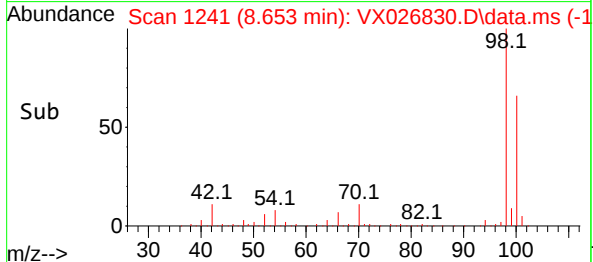
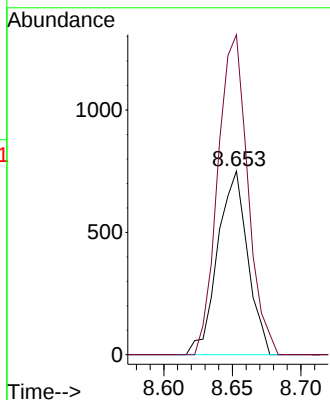
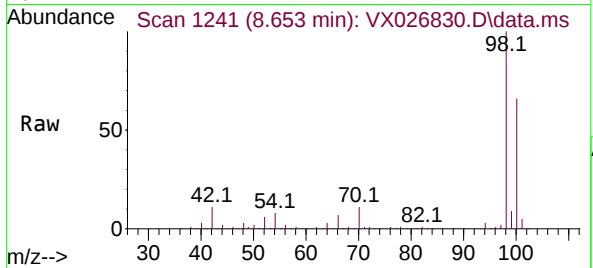




#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 8.653 min Scan# 1146
Delta R.T. 0.079 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

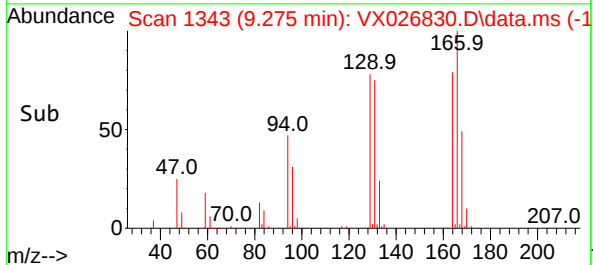
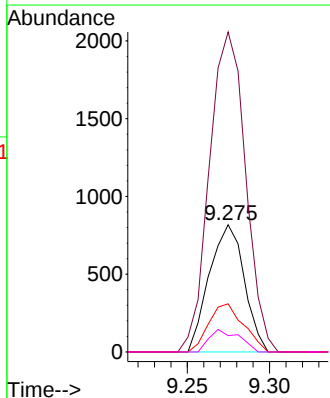
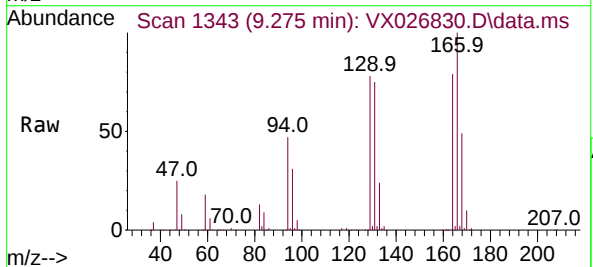
Instrument :
MSVOA_X
ClientSampleId :

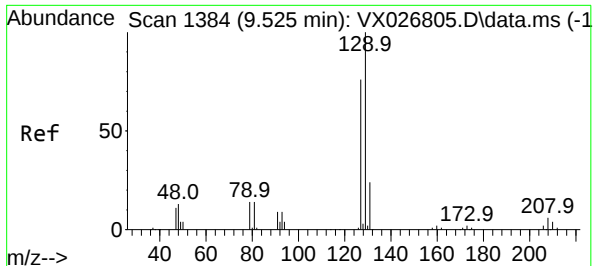
Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 173.7 30.5 45.7#



#55
1,1,2-Trichloroethane
Concen: 0.833 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Tgt Ion: 97 Resp: 1209
Ion Ratio Lower Upper
97 100
83 251.6 68.4 102.6#
85 37.9 44.0 66.0#
99 12.8 49.8 74.6#

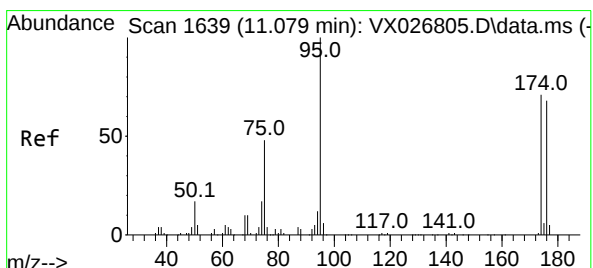
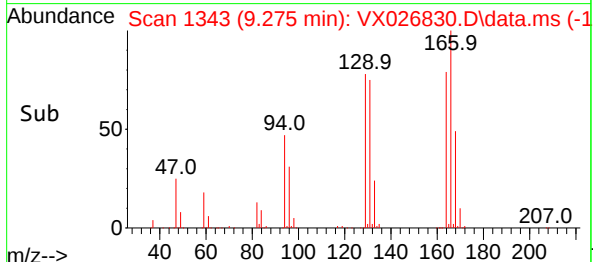
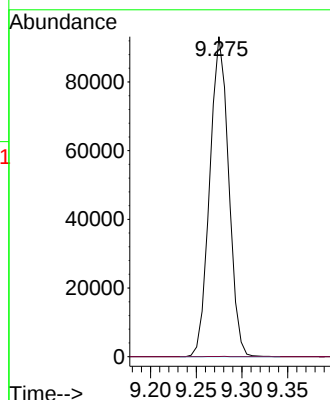
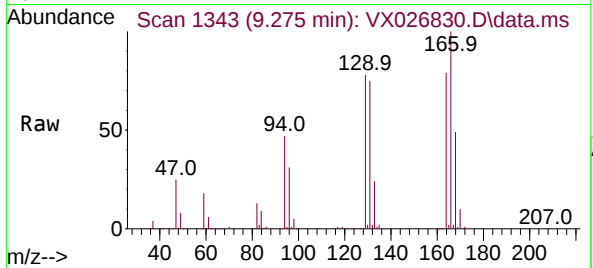




#60
Dibromochloromethane
Concen: 89.844 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

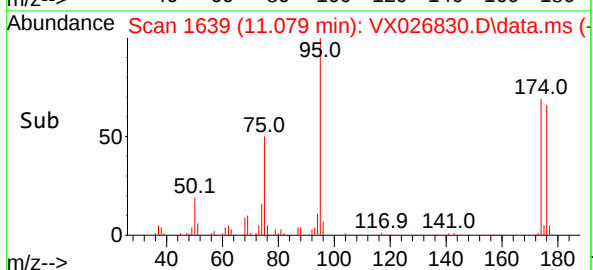
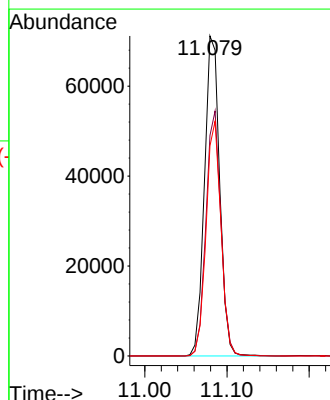
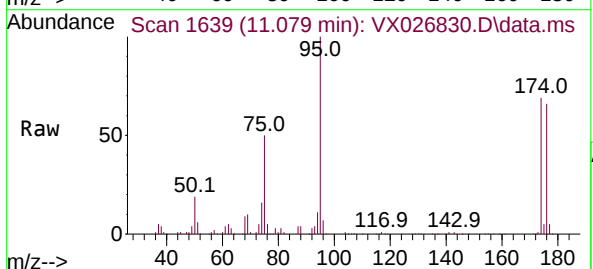
Instrument :
MSVOA_X
ClientSampleId :

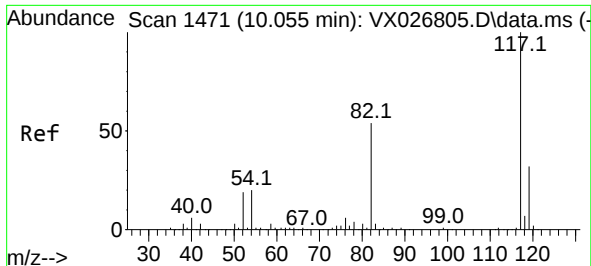
Tgt Ion:129 Resp: 134146
Ion Ratio Lower Upper
129 100
127 0.1 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 53.789 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Tgt Ion: 95 Resp: 91533
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.6
176 71.8 0.0 141.4

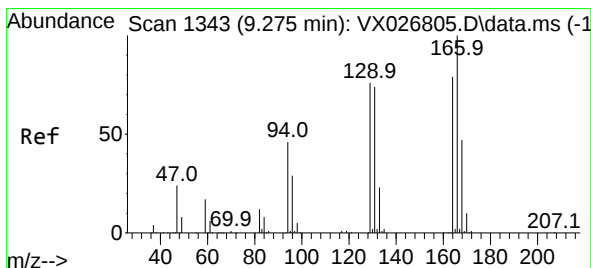
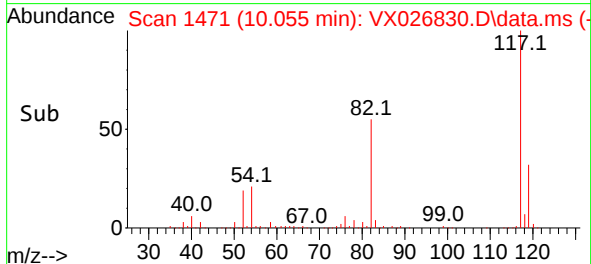
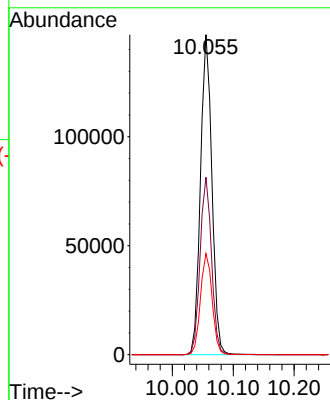
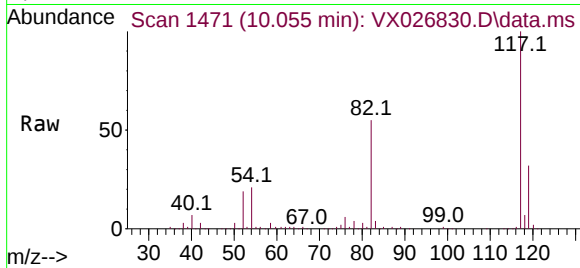




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

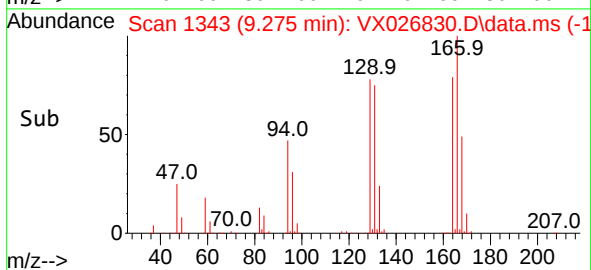
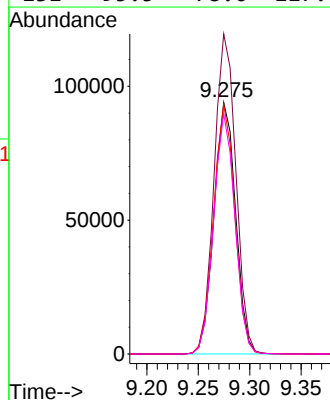
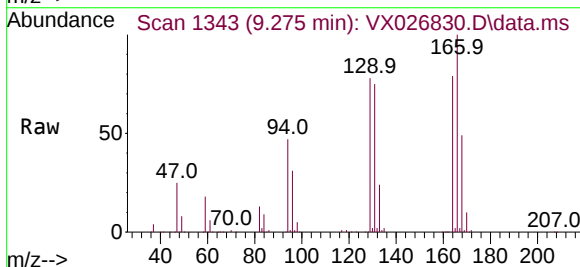
Instrument :
MSVOA_X
ClientSampleId :

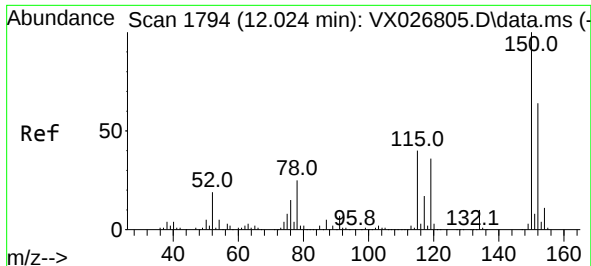
Tgt Ion:117 Resp: 190644
Ion Ratio Lower Upper
117 100
82 55.5 45.2 67.8
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 71.728 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX026830.D
Acq: 08 Feb 2022 18:19

Tgt Ion:164 Resp: 137341
Ion Ratio Lower Upper
164 100
166 127.2 101.8 152.6
129 99.1 83.3 124.9
131 95.5 78.0 117.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026830.D

Acq: 08 Feb 2022 18:19

Instrument :

MSVOA_X

ClientSampleId :

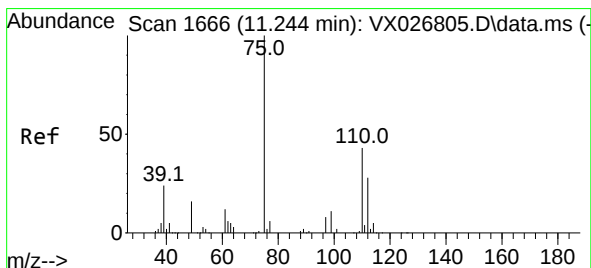
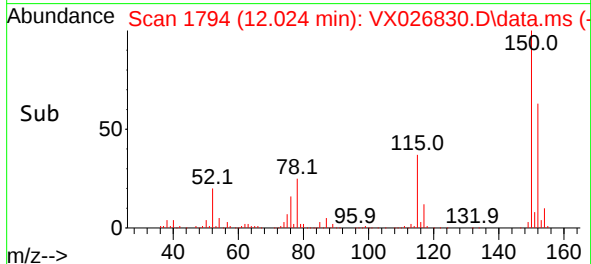
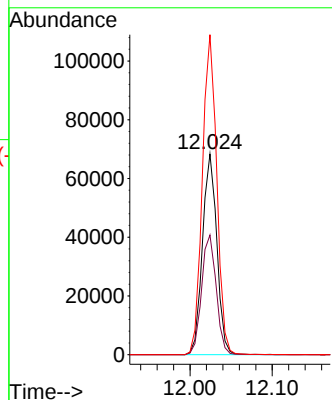
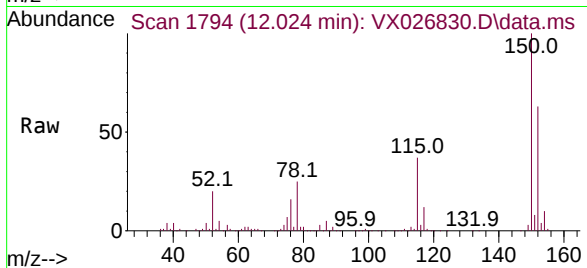
Tgt Ion:152 Resp: 82991

Ion Ratio Lower Upper

152 100

115 60.6 44.2 132.6

150 159.8 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 24.514 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX026830.D

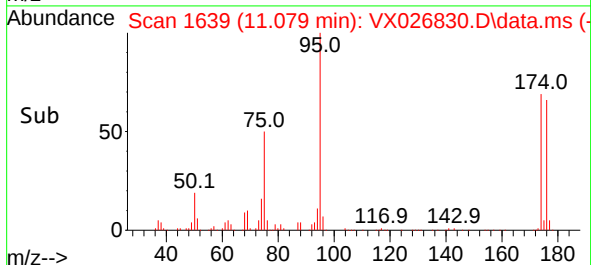
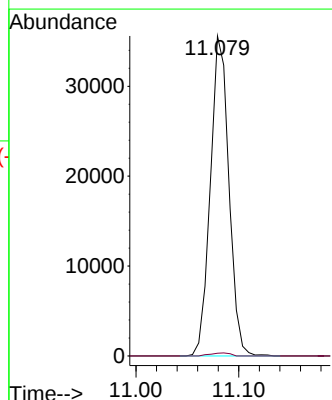
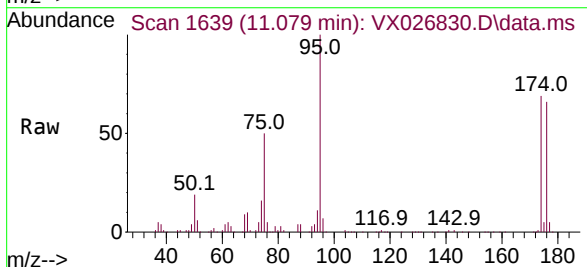
Acq: 08 Feb 2022 18:19

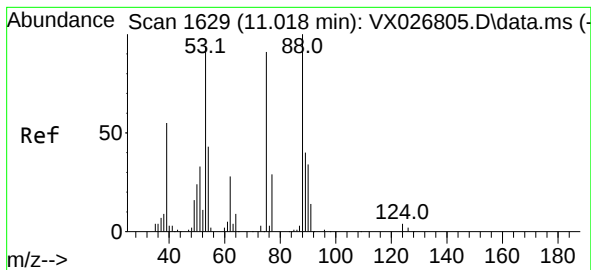
Tgt Ion: 75 Resp: 44535

Ion Ratio Lower Upper

75 100

77 1.0 18.3 54.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.839 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026830.D
 Acq: 08 Feb 2022 18:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 44535
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

