

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026190.D
 Acq On : 31 Dec 2021 00:32
 Operator : JC/MD
 Sample : PB141640ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 21:32:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

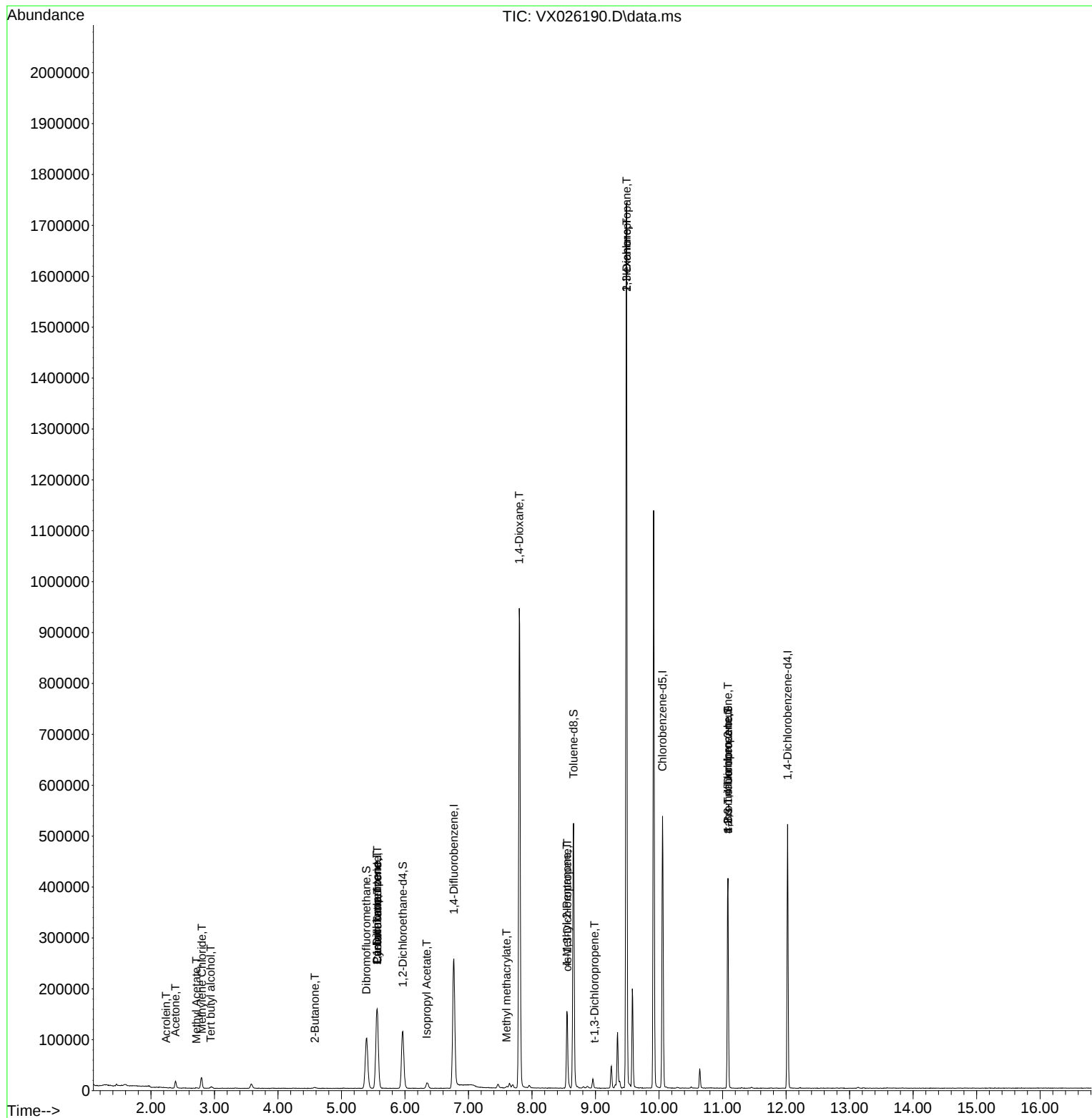
Internal Standards						
1) Pentafluorobenzene	5.562	168	139115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108598	53.959	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.920%	
35) Dibromofluoromethane	5.391	113	82648	52.739	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.480%	
50) Toluene-d8	8.653	98	294759	50.567	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	11.085	95	101078	48.710	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	2052	5.105	ug/l #	73
13) Acrolein	2.239	56	47	0.327	ug/l #	60
16) Acetone	2.386	43	14855	13.623	ug/l	93
18) Methyl Acetate	2.715	43	1314	0.371	ug/l #	82
20) Methylene Chloride	2.800	84	9014	4.306	ug/l	95
25) 2-Butanone	4.580	43	2797	1.841	ug/l	91
31) Cyclohexane	5.562	56	3741	1.305	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	12115	4.793	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15006	5.337	ug/l #	15
43) Isopropyl Acetate	6.342	43	15630	3.272	ug/l	94
48) Methyl methacrylate	7.598	41	4666	2.037	ug/l #	12
49) 1,4-Dioxane	7.799	88	84	1.990	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55928	18.816	ug/l #	49
53) t-1,3-Dichloropropene	8.982	75	57	1.912	ug/l #	43
54) cis-1,3-Dichloropropene	8.555	75	21985	7.470	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	13723	4.389	ug/l #	42
59) 2-Hexanone	9.488	43	216812	96.294	ug/l #	49
76) 1,2,3-Trichloropropane	11.085	75	57253	24.732	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57253	71.552	ug/l #	10

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

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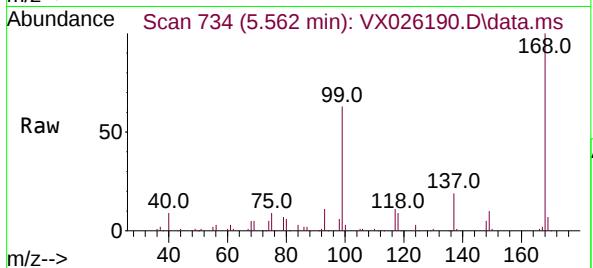
Quant Time: Dec 31 21:32:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



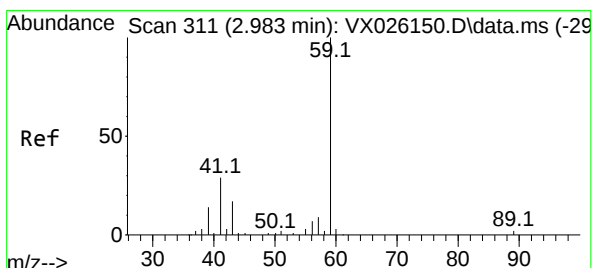
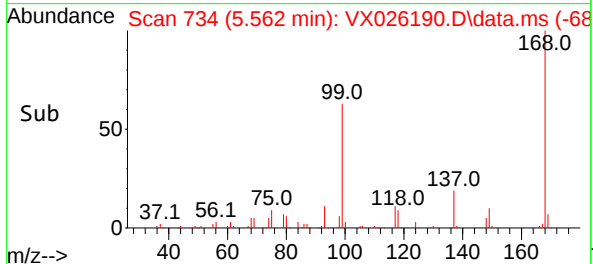
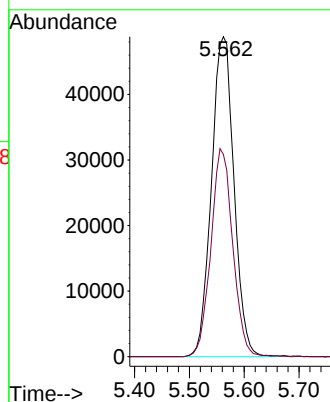


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :

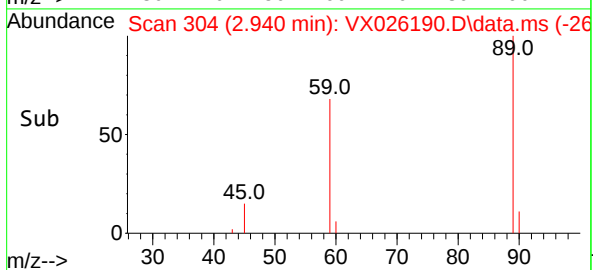
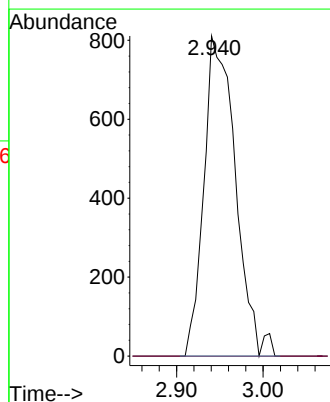
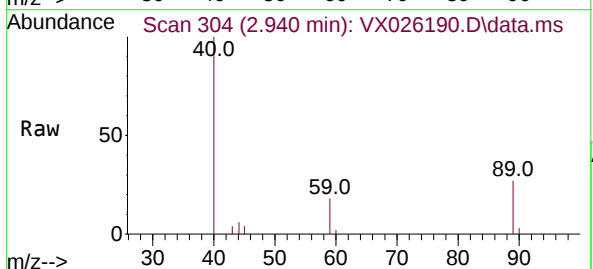


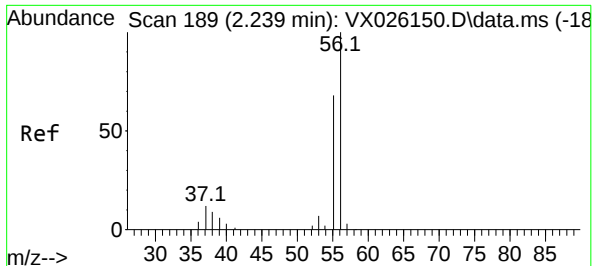
Tgt Ion:168 Resp: 139115
Ion Ratio Lower Upper
168 100
99 63.2 45.8 68.8



#11
Tert butyl alcohol
Concen: 5.105 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

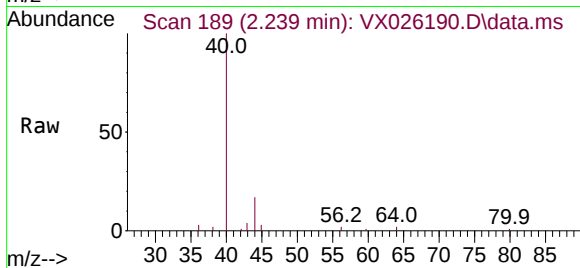
Tgt Ion: 59 Resp: 2052
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



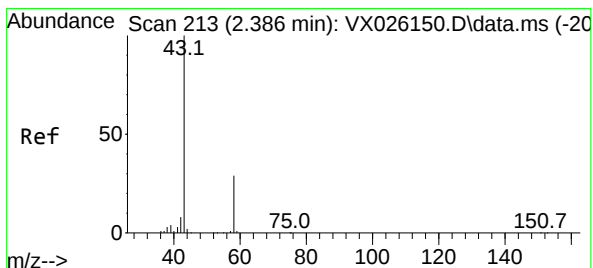
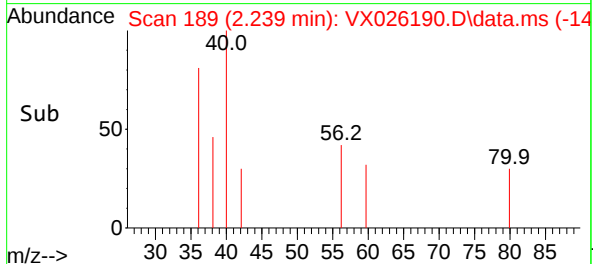
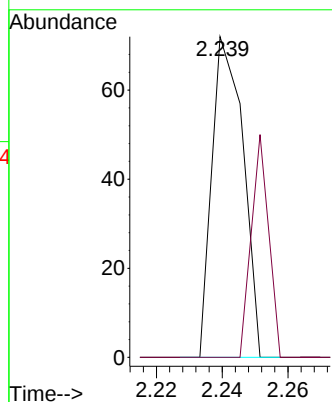


#13
Acrolein
Concen: 0.327 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :

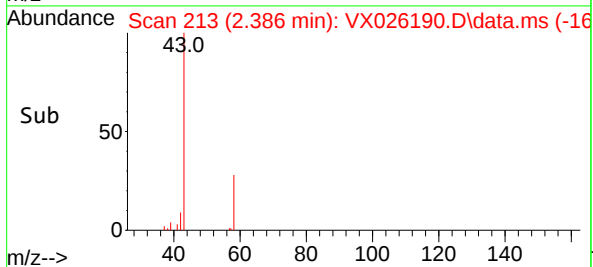
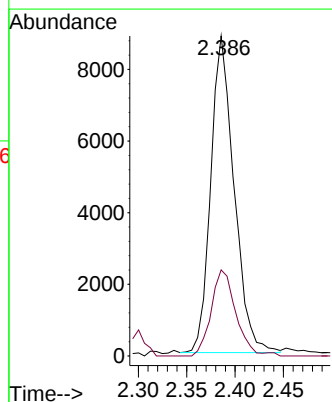
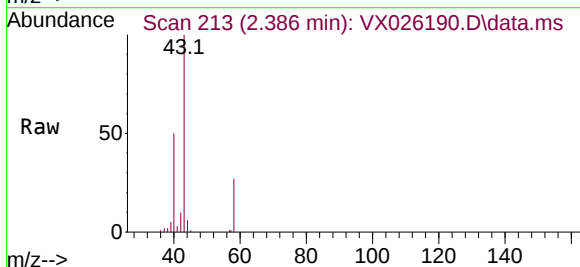


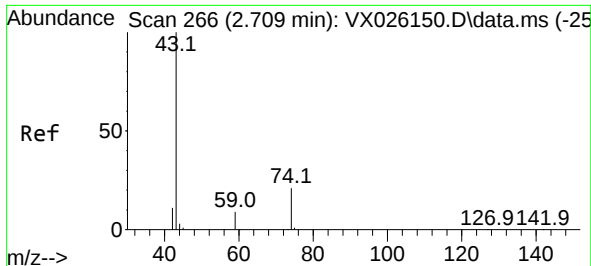
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 38.3 57.4 86.2#



#16
Acetone
Concen: 13.623 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Tgt Ion: 43 Resp: 14855
Ion Ratio Lower Upper
43 100
58 27.2 24.8 37.2





#18

Methyl Acetate

Concen: 0.371 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

Instrument :

MSVOA_X

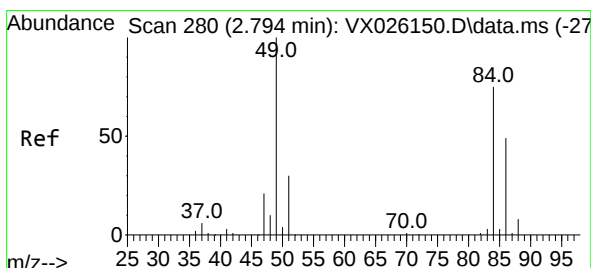
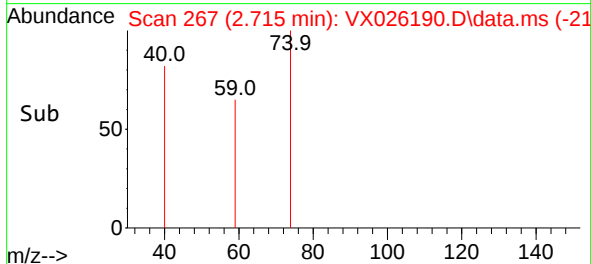
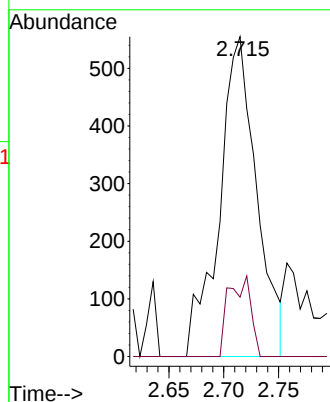
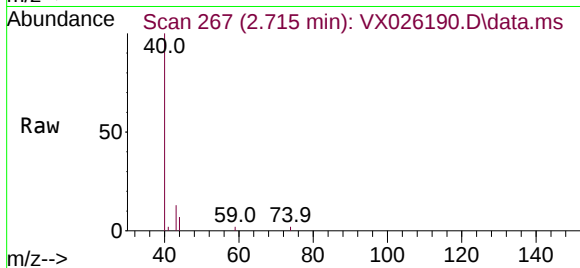
ClientSampleId :

Tgt Ion: 43 Resp: 1314

Ion Ratio Lower Upper

43 100

74 14.9 19.1 28.7#



#20

Methylene Chloride

Concen: 4.306 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

Tgt Ion: 84 Resp: 9014

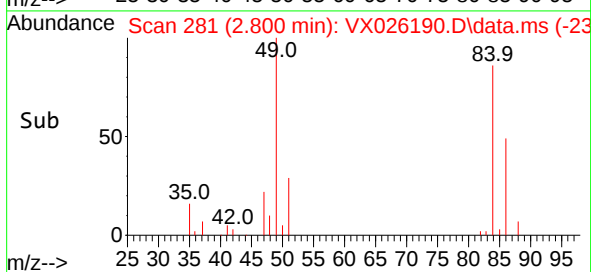
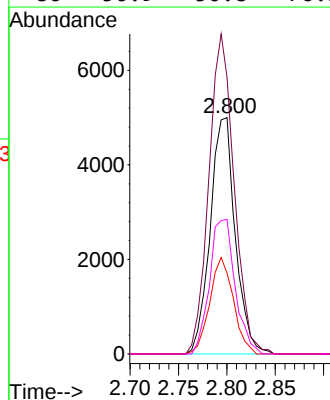
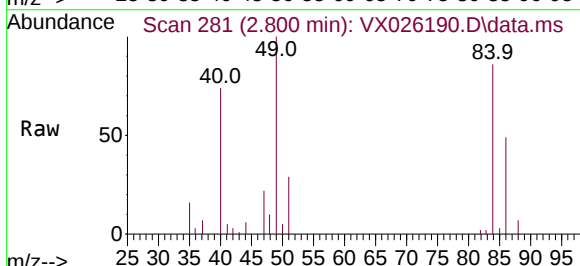
Ion Ratio Lower Upper

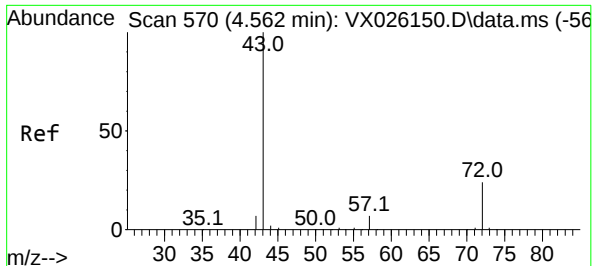
84 100

49 116.9 97.1 145.7

51 34.1 29.3 43.9

86 56.9 50.8 76.2

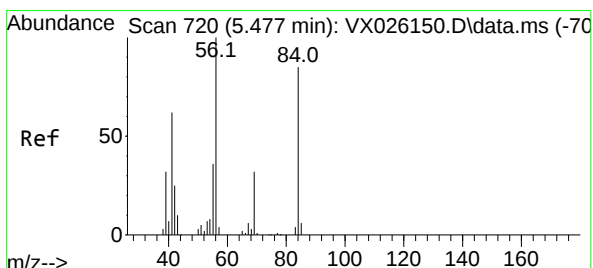
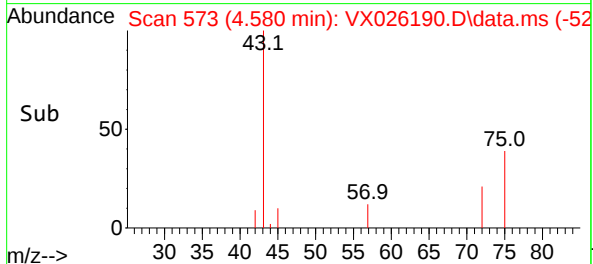
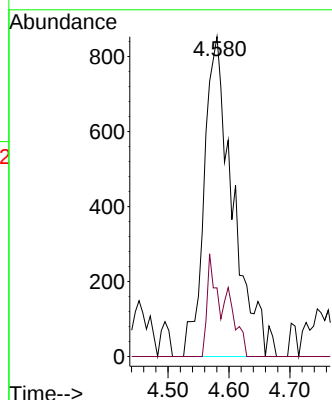
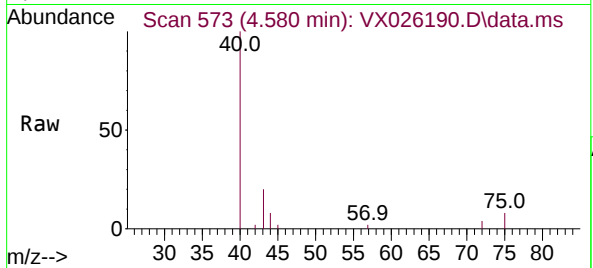




#25
2-Butanone
Concen: 1.841 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

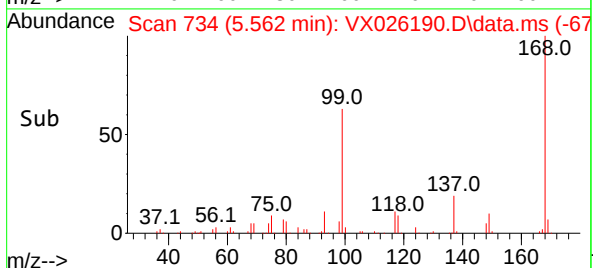
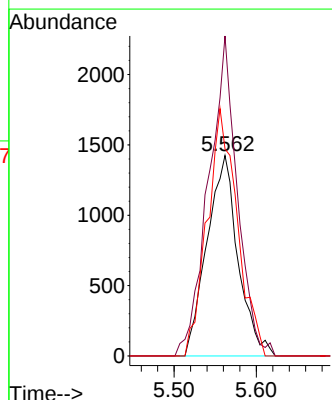
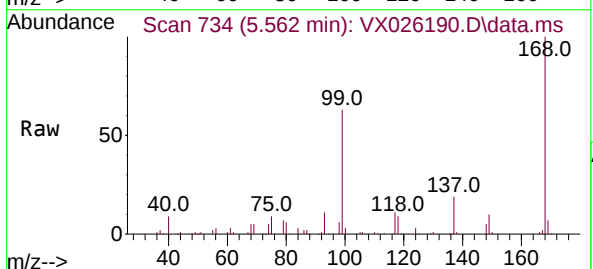
Instrument :
MSVOA_X
ClientSampleId :

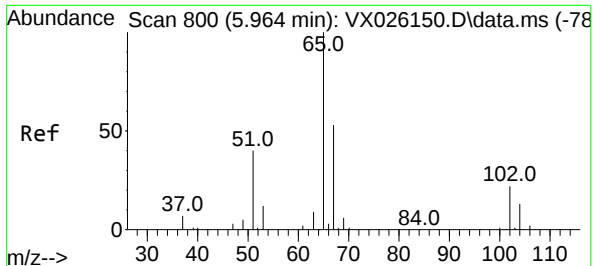
Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
72 21.5 21.0 31.4



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Tgt Ion: 56 Resp: 3741
Ion Ratio Lower Upper
56 100
69 159.6 23.9 35.9#
84 103.2 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 53.959 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

Instrument :

MSVOA_X

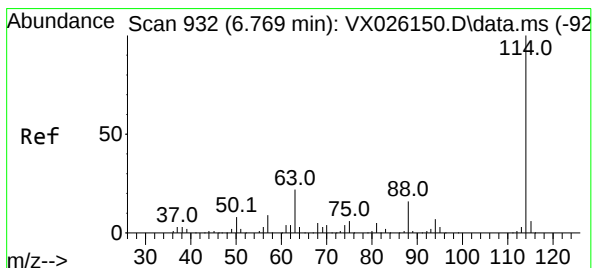
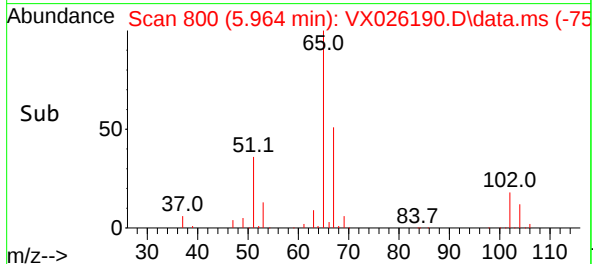
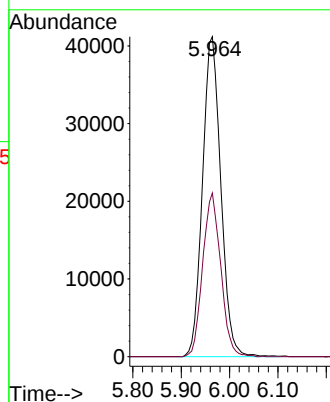
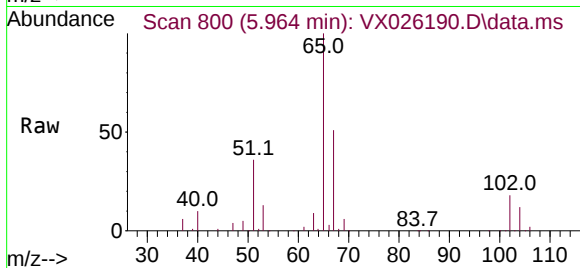
ClientSampleId :

Tgt Ion: 65 Resp: 108598

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

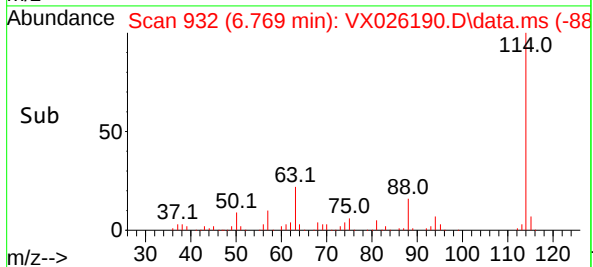
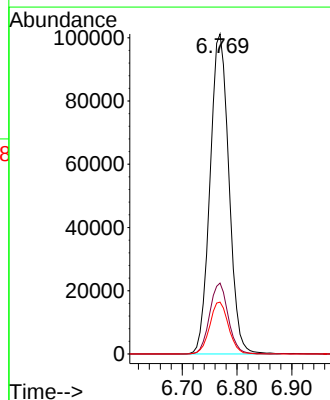
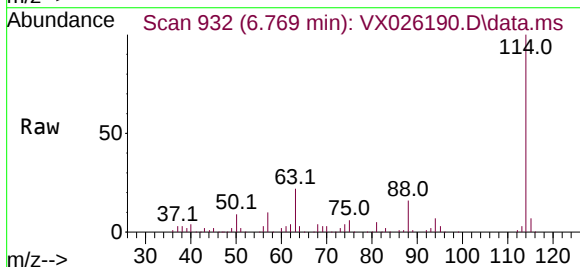
Tgt Ion: 114 Resp: 241046

Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.739 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

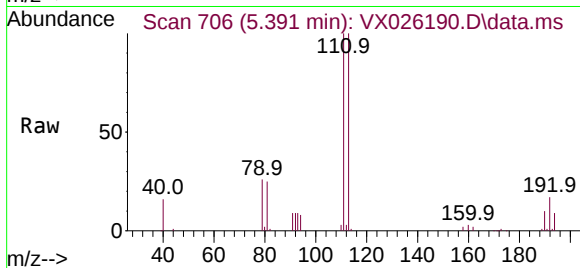
Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

Instrument :

MSVOA_X

ClientSampleId :



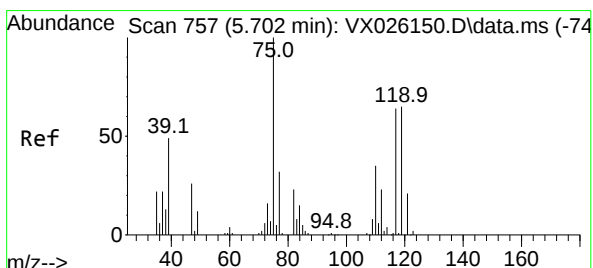
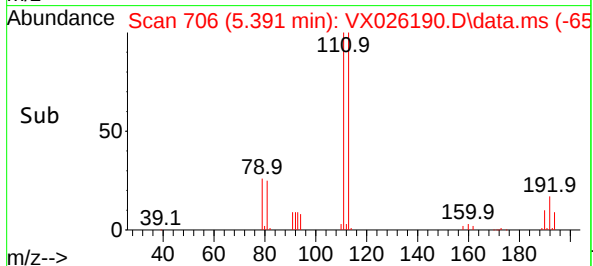
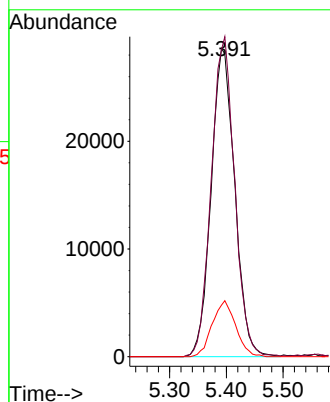
Tgt Ion:113 Resp: 82648

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 18.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

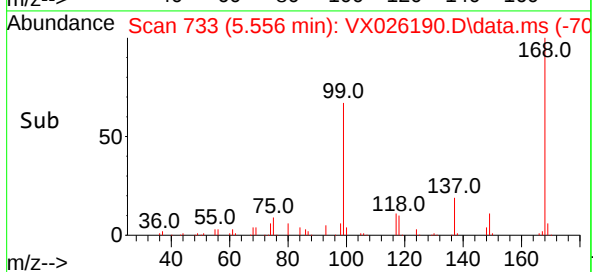
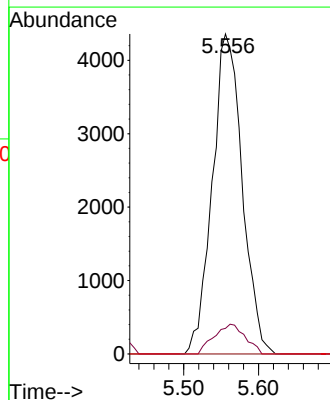
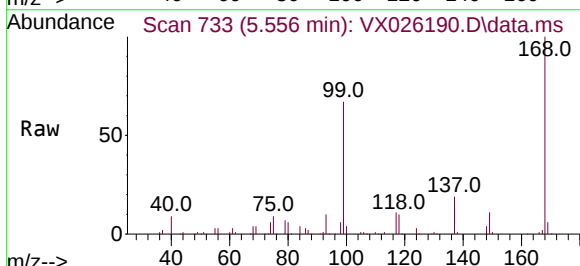
Tgt Ion: 75 Resp: 12115

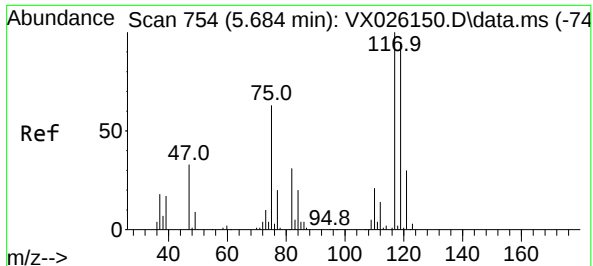
Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

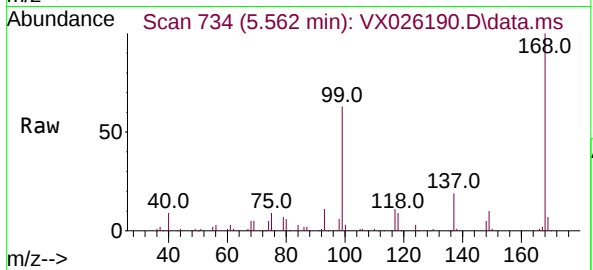
77 0.0 24.7 37.1#



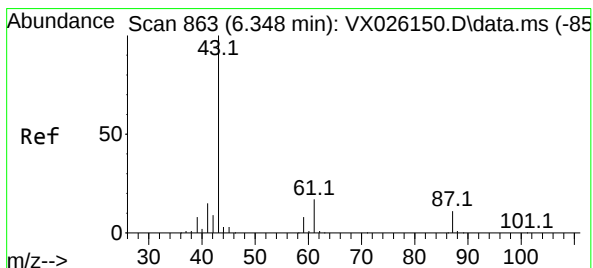
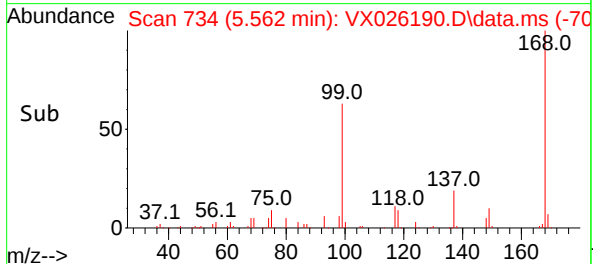
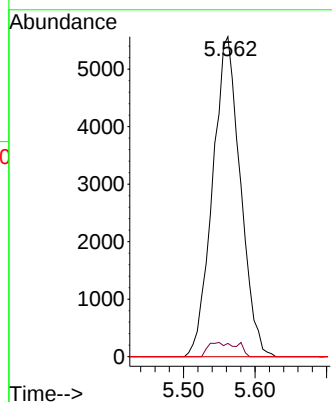


#38
Carbon Tetrachloride
Concen: 5.337 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :

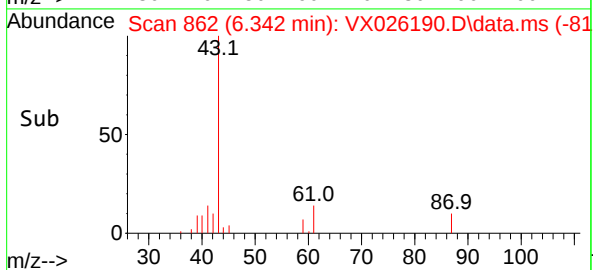
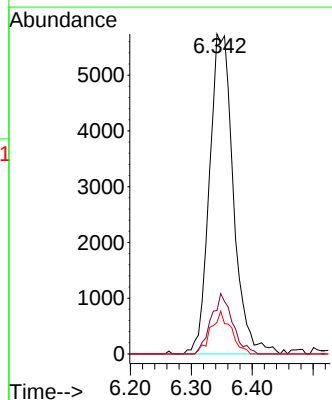
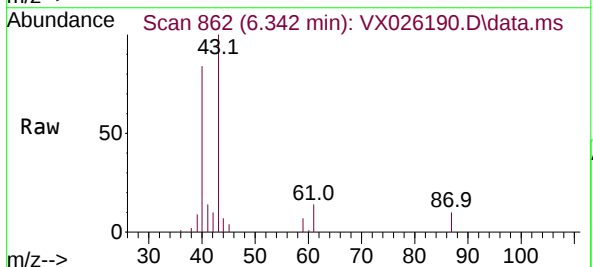


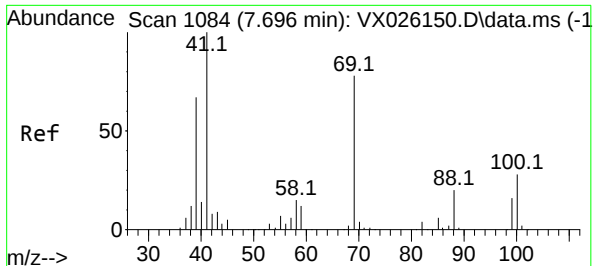
Tgt Ion:117 Resp: 15006
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.272 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

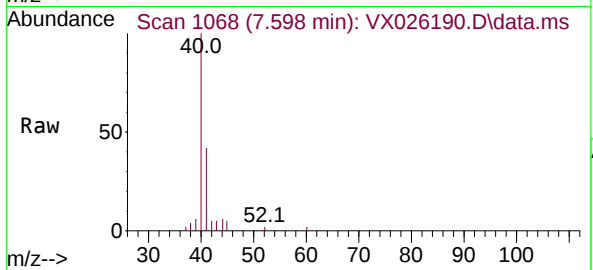
Tgt Ion: 43 Resp: 15630
Ion Ratio Lower Upper
43 100
61 16.9 15.7 23.5
87 11.2 11.2 16.8



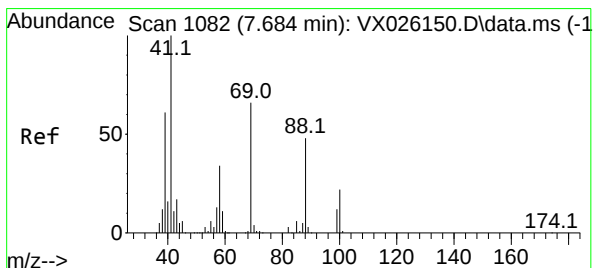
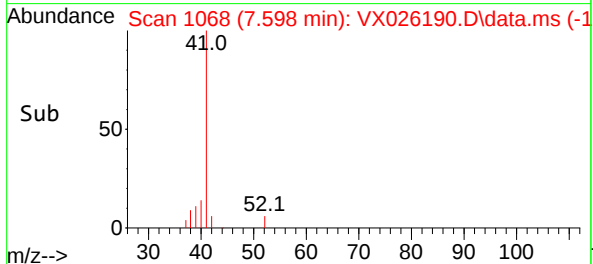
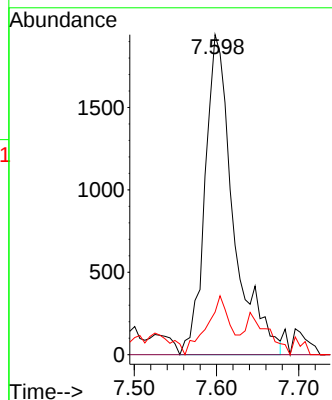


#48
Methyl methacrylate
Concen: 2.037 ug/l
RT: 7.598 min Scan# 1101
Delta R.T. -0.098 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :

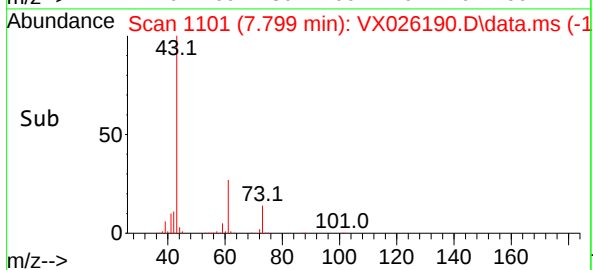
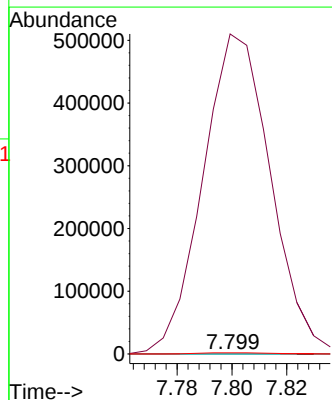
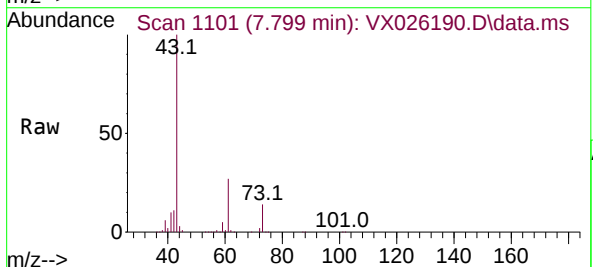


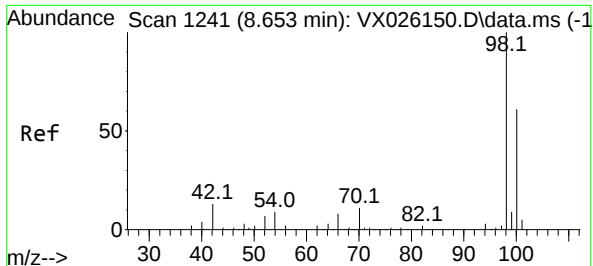
Tgt Ion: 41 Resp: 4666
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 1.990 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 1053321.4 25.3 37.9#
58 4303.6 51.8 77.6#

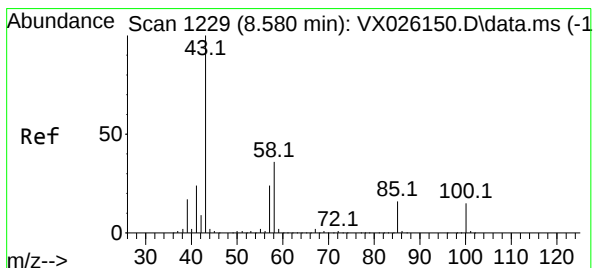
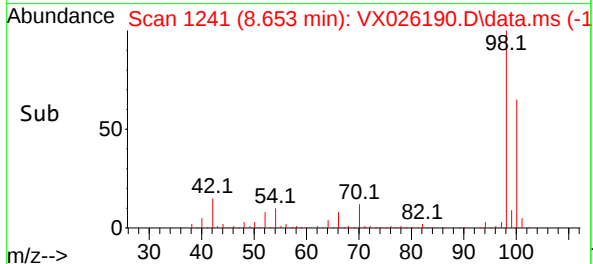
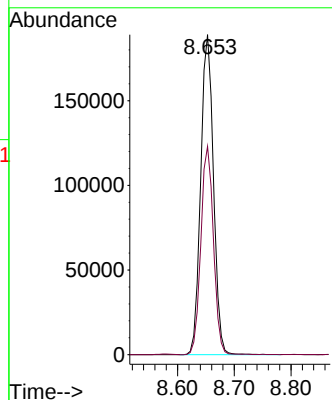
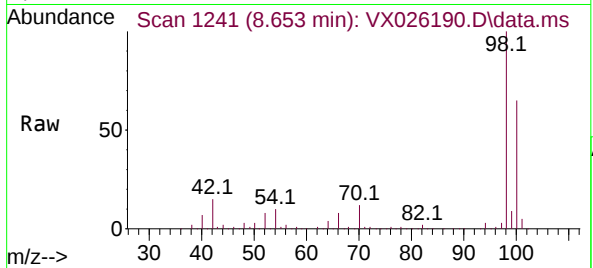




#50
Toluene-d8
Concen: 50.567 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

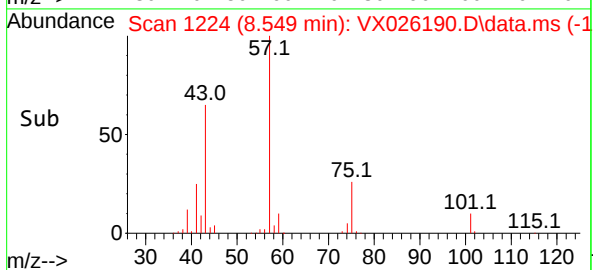
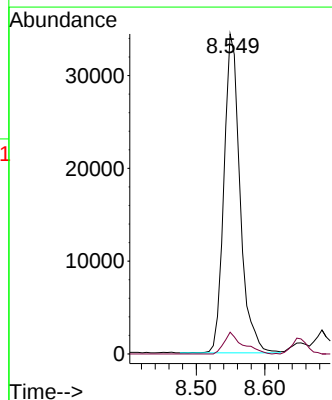
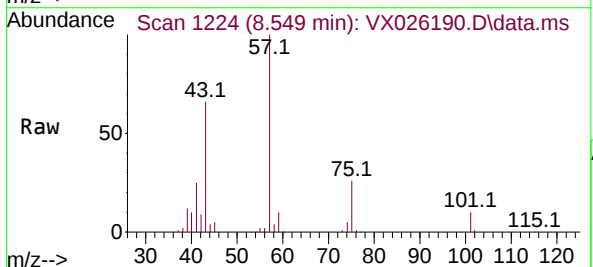
Instrument :
MSVOA_X
ClientSampleId :

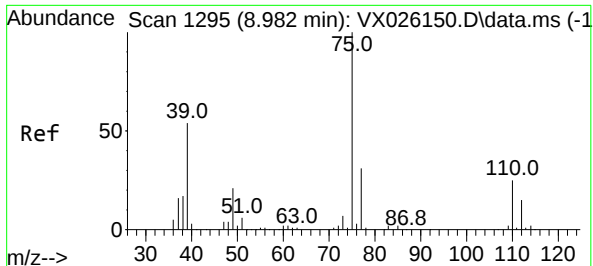
Tgt Ion: 98 Resp: 294759
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.816 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

Tgt Ion: 43 Resp: 55928
Ion Ratio Lower Upper
43 100
58 7.8 30.8 46.2#





#53

t-1,3-Dichloropropene

Concen: 1.912 ug/l

RT: 8.982 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

Instrument :

MSVOA_X

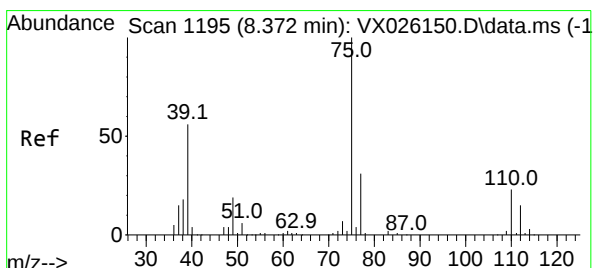
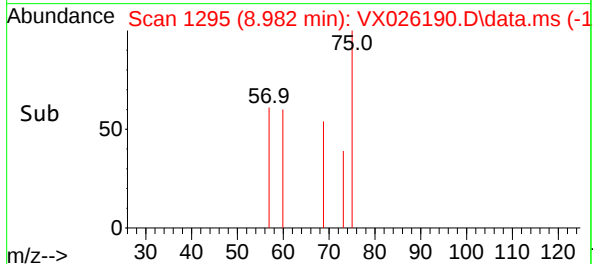
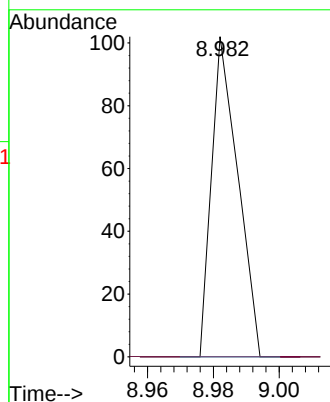
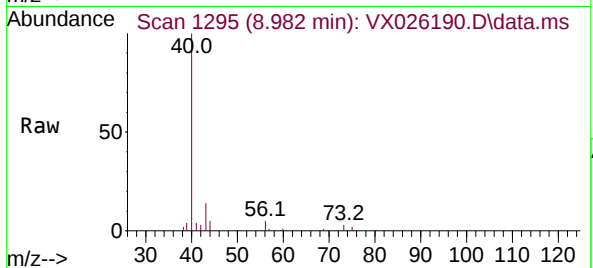
ClientSampleId :

Tgt Ion: 75 Resp: 57

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 7.470 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

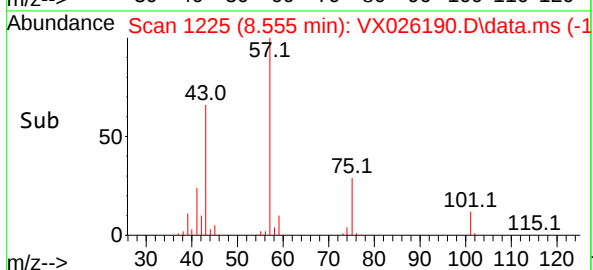
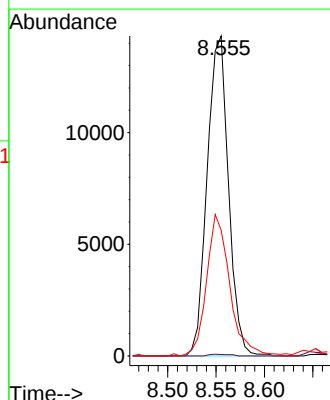
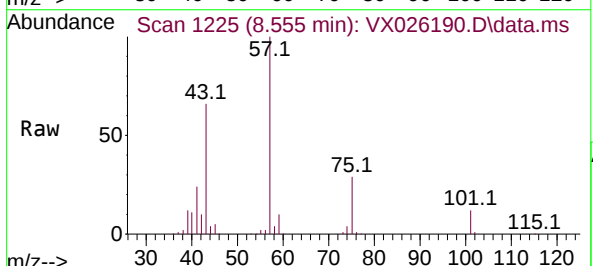
Tgt Ion: 75 Resp: 21985

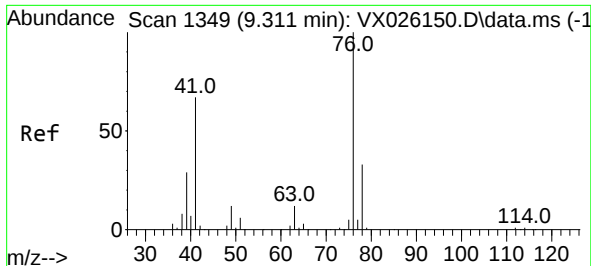
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 39.3 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 4.389 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026190.D

Acq: 31 Dec 2021 00:32

Instrument :

MSVOA_X

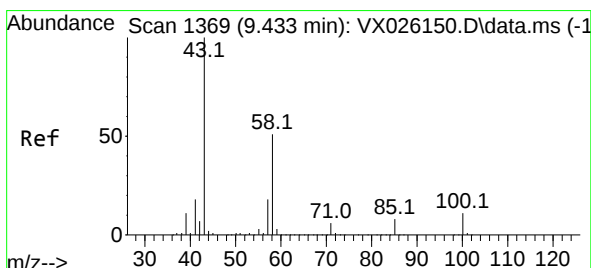
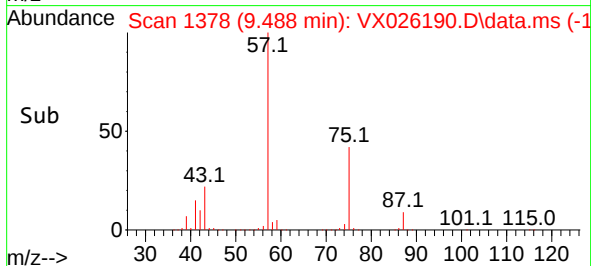
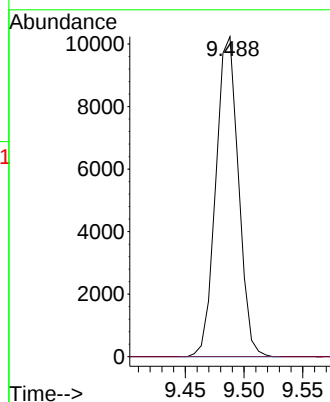
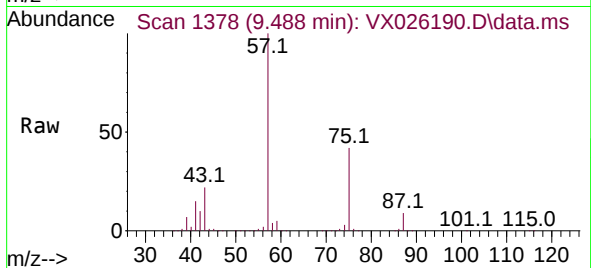
ClientSampleId :

Tgt Ion: 76 Resp: 13723

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 96.294 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026190.D

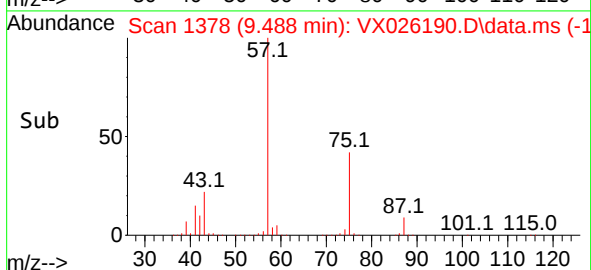
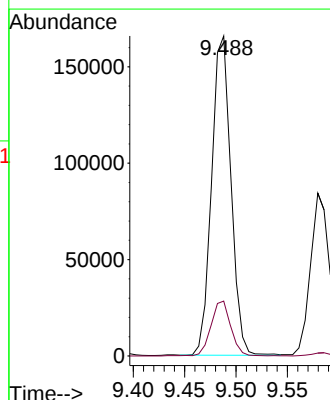
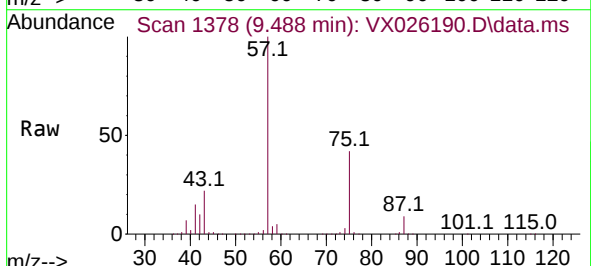
Acq: 31 Dec 2021 00:32

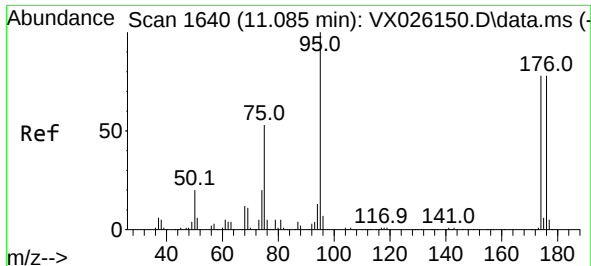
Tgt Ion: 43 Resp: 216812

Ion Ratio Lower Upper

43 100

58 17.6 26.9 80.6#

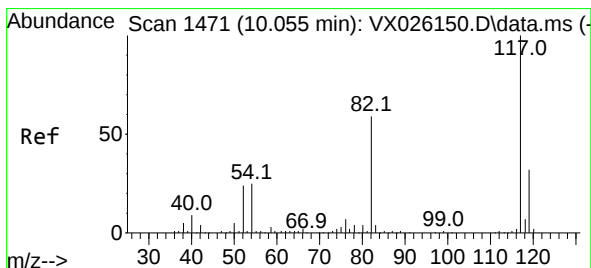
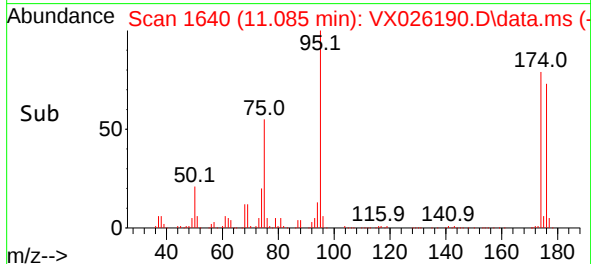
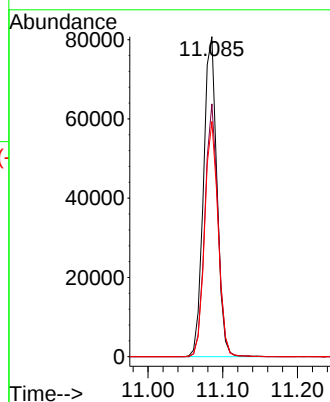
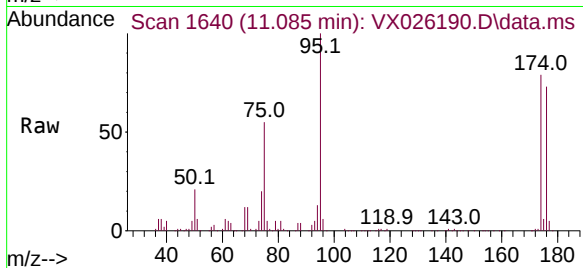




#62
4-Bromofluorobenzene
Concen: 48.710 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

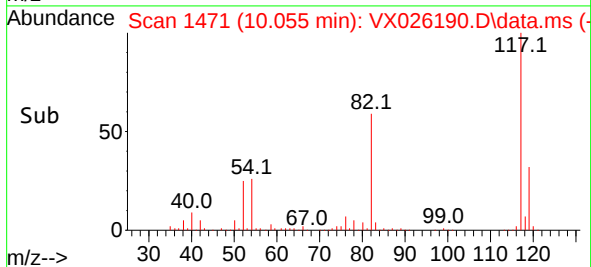
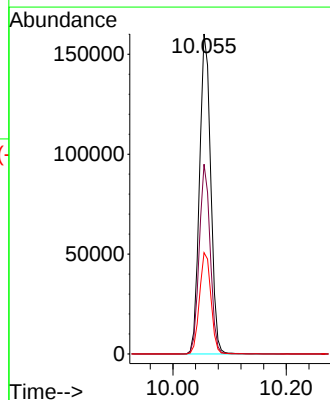
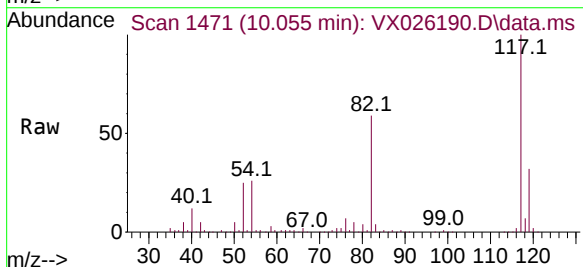
Instrument :
MSVOA_X
ClientSampleId :

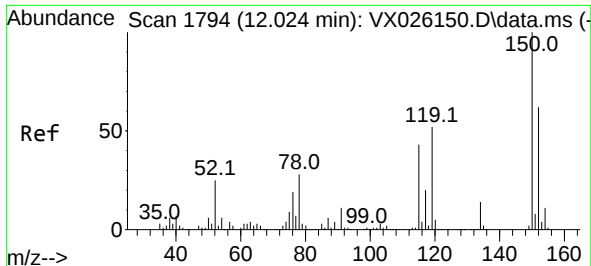
Tgt Ion: 95 Resp: 101078
Ion Ratio Lower Upper
95 100
174 77.1 0.0 157.4
176 73.3 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026190.D
Acq: 31 Dec 2021 00:32

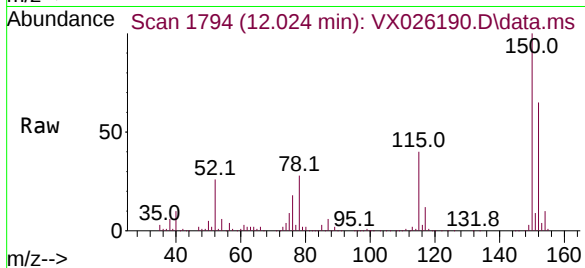
Tgt Ion: 117 Resp: 219264
Ion Ratio Lower Upper
117 100
82 59.3 43.8 65.6
119 31.7 25.2 37.8



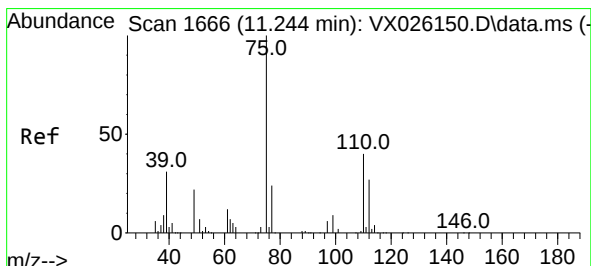
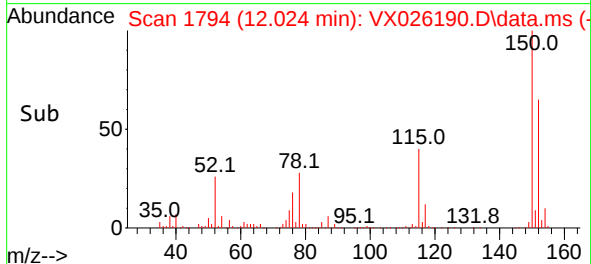
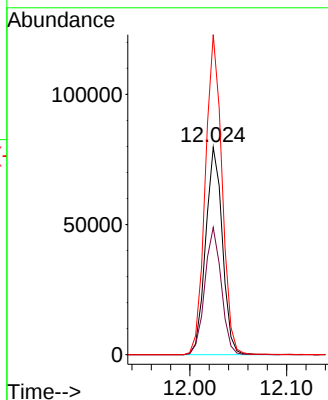


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026190.D
 Acq: 31 Dec 2021 00:32

Instrument :
 MSVOA_X
 ClientSampleId :

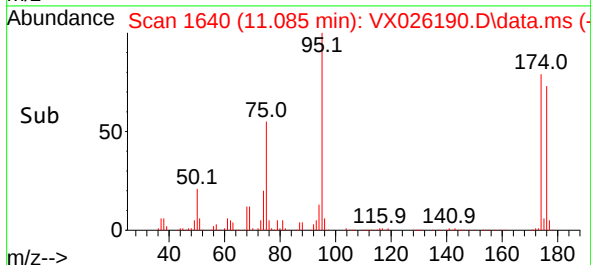
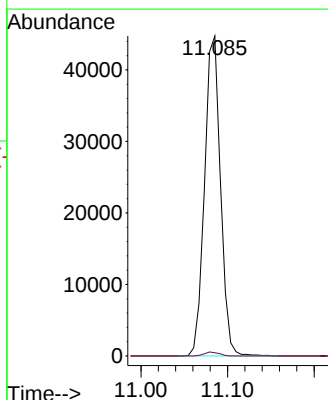
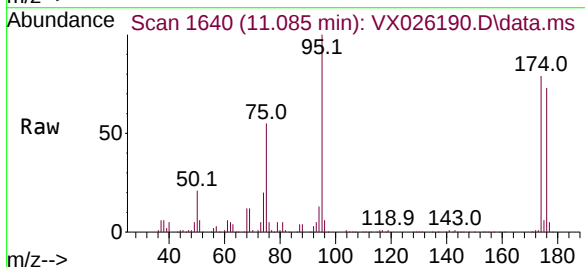


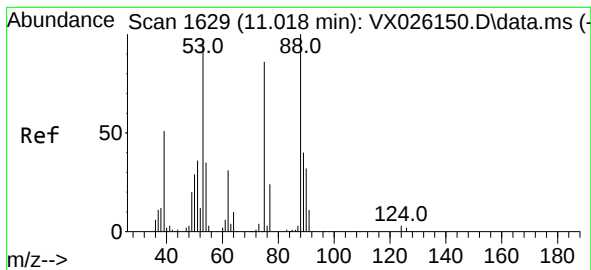
Tgt Ion:152 Resp: 95904
 Ion Ratio Lower Upper
 152 100
 115 60.5 41.3 123.9
 150 154.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 24.732 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX026190.D
 Acq: 31 Dec 2021 00:32

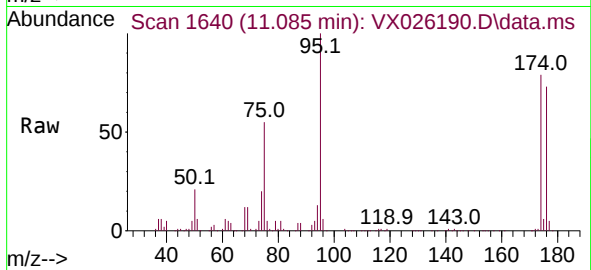
Tgt Ion: 75 Resp: 57253
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.552 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX026190.D
 Acq: 31 Dec 2021 00:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 57253
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

