

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026188.D
 Acq On : 30 Dec 2021 23:45
 Operator : JC/MD
 Sample : PB141640TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 21:32:12 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

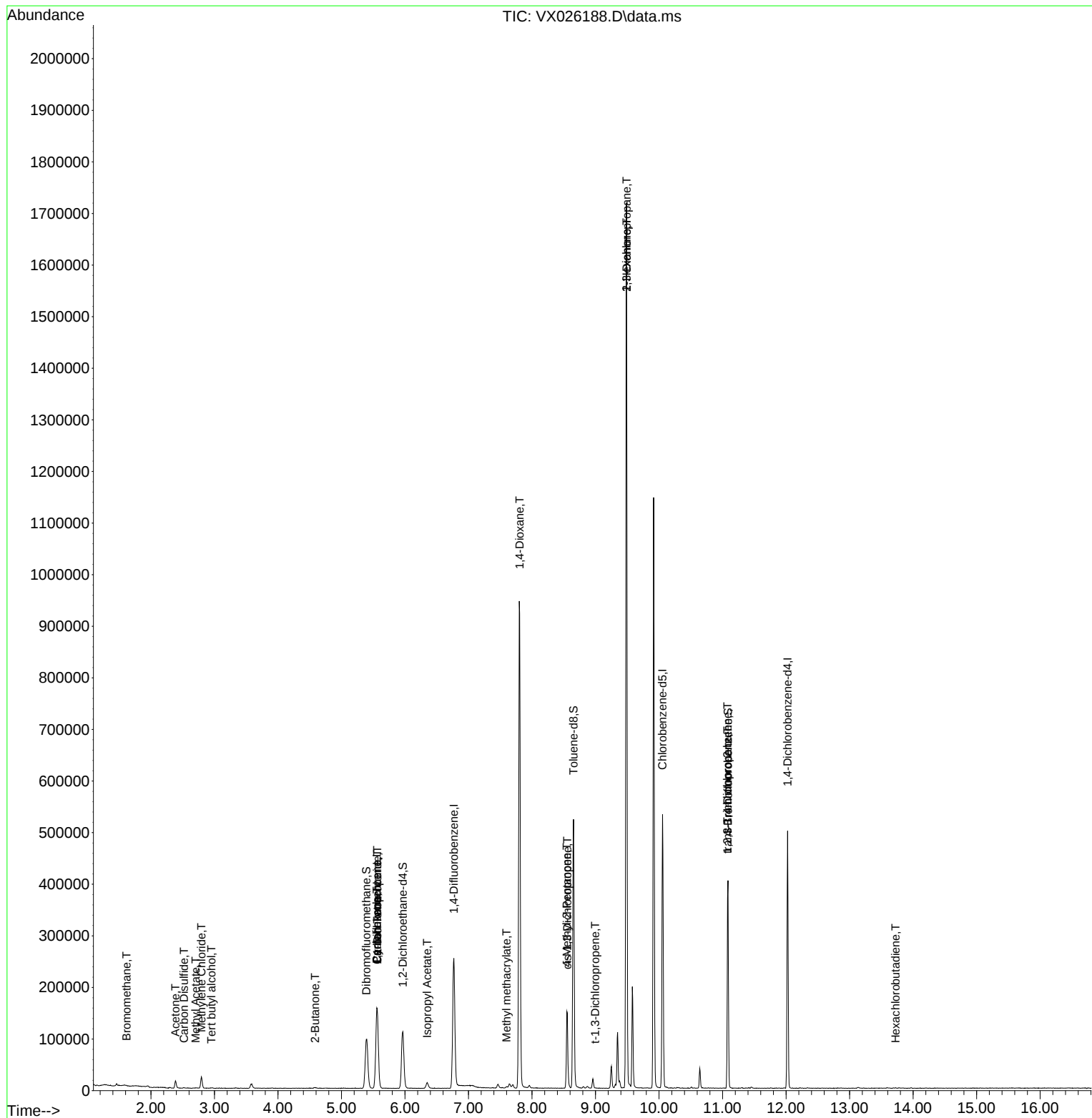
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	139032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106718	53.057	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.120%
35) Dibromofluoromethane	5.391	113	81762	52.412	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.820%
50) Toluene-d8	8.653	98	287393	49.529	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.060%
62) 4-Bromofluorobenzene	11.085	95	96637	46.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.560%
Target Compounds						Qvalue
5) Bromomethane	1.618	94	260	0.236	ug/l	85
11) Tert butyl alcohol	2.953	59	536	1.334	ug/l #	73
16) Acetone	2.386	43	15672	14.381	ug/l	95
17) Carbon Disulfide	2.520	76	1327	0.300	ug/l #	94
18) Methyl Acetate	2.703	43	1143	0.323	ug/l #	68
20) Methylene Chloride	2.794	84	8959	4.277	ug/l	93
25) 2-Butanone	4.587	43	2544	1.676	ug/l #	78
31) Cyclohexane	5.556	56	4044	1.412	ug/l #	39
36) 1,1-Dichloropropene	5.562	75	12214	4.854	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15343	5.482	ug/l #	15
43) Isopropyl Acetate	6.348	43	15479	3.256	ug/l #	94
48) Methyl methacrylate	7.598	41	4514	1.980	ug/l #	12
49) 1,4-Dioxane	7.805	88	116	2.760	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55245	18.671	ug/l #	49
53) t-1,3-Dichloropropene	8.994	75	53	1.910	ug/l #	43
54) cis-1,3-Dichloropropene	8.555	75	22379	7.639	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	13511	4.341	ug/l #	42
59) 2-Hexanone	9.488	43	214082	95.516	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	55482	25.145	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55482	72.745	ug/l #	10
94) Hexachlorobutadiene	13.725	225	228	0.283	ug/l #	59

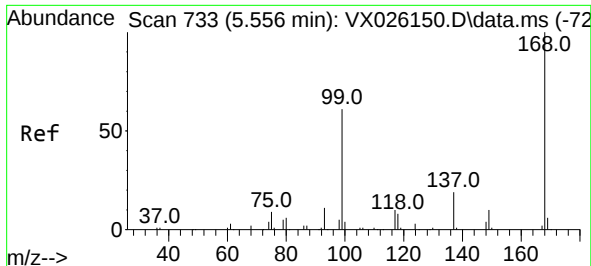
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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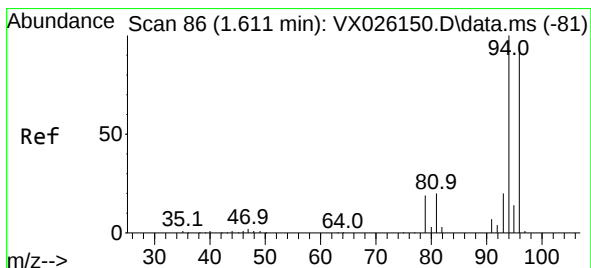
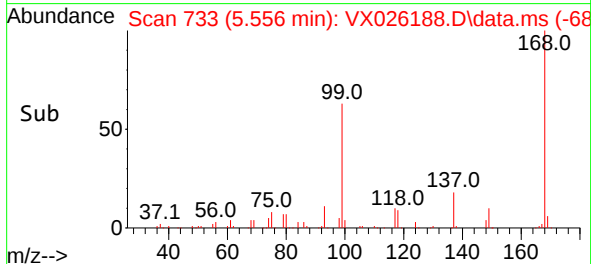
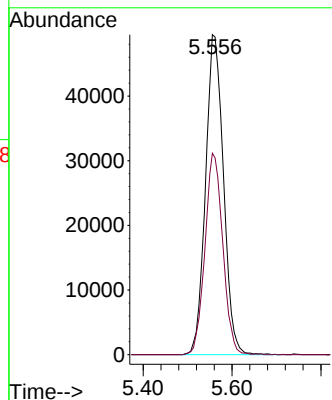
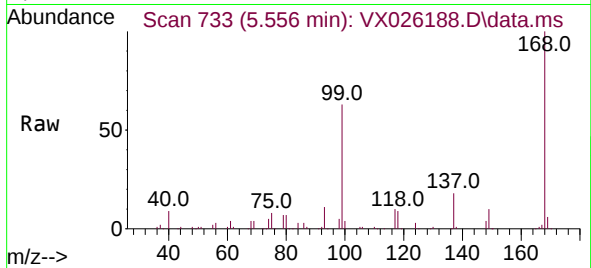




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

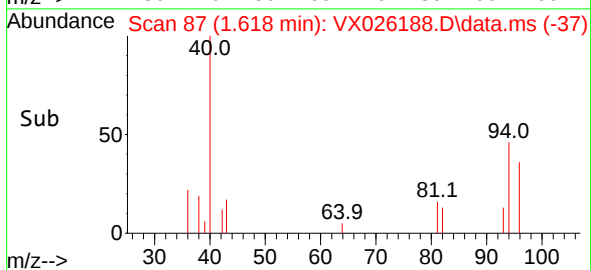
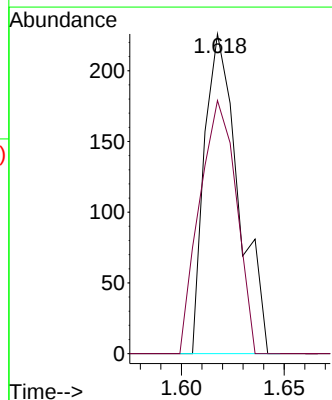
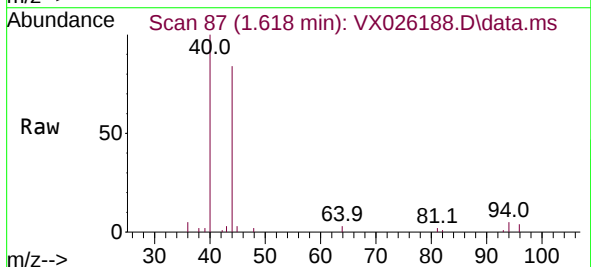
Instrument :
MSVOA_X
ClientSampleId :

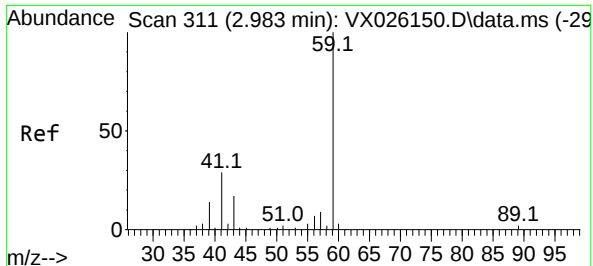
Tgt Ion:168 Resp: 139032
Ion Ratio Lower Upper
168 100
99 62.9 45.8 68.8



#5
Bromomethane
Concen: 0.236 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 79.2 75.0 112.4

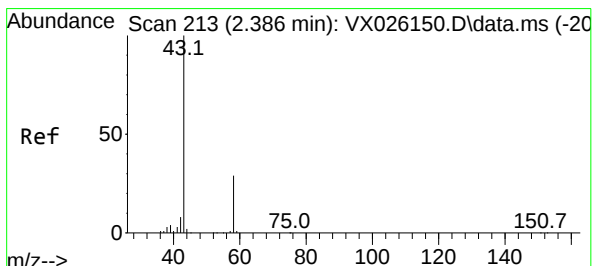
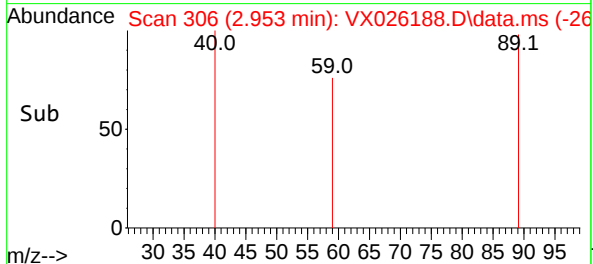
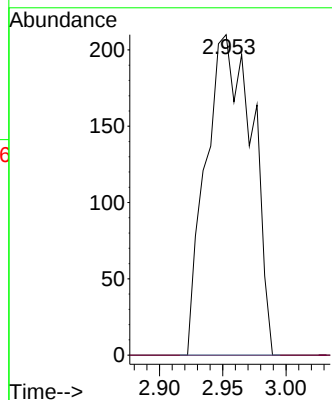
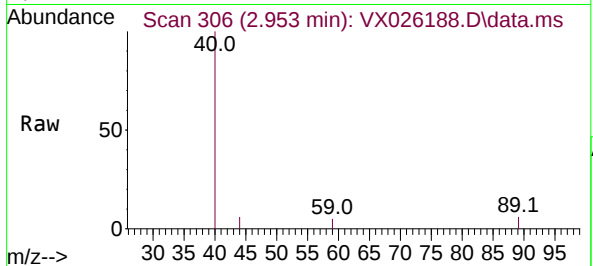




#11
Tert butyl alcohol
Concen: 1.334 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

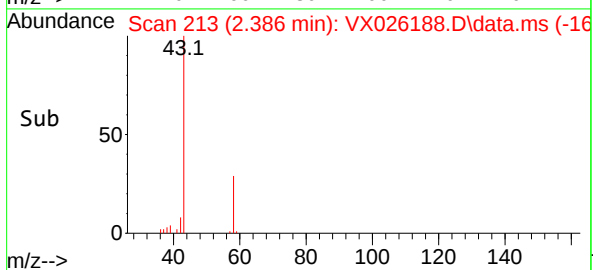
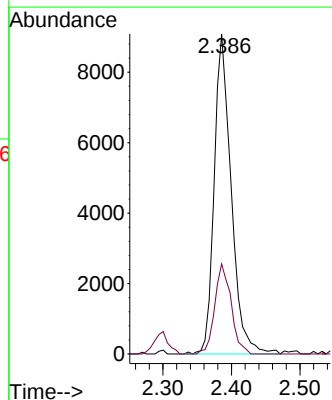
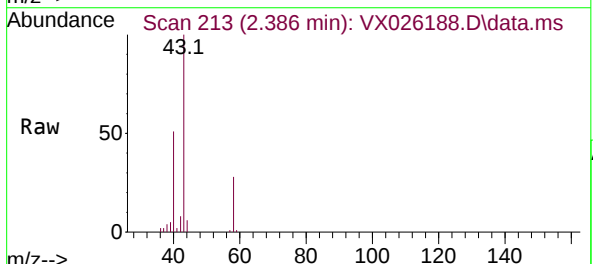
Instrument :
MSVOA_X
ClientSampleId :

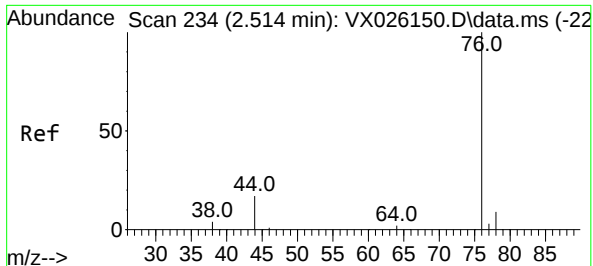
Tgt Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 14.381 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

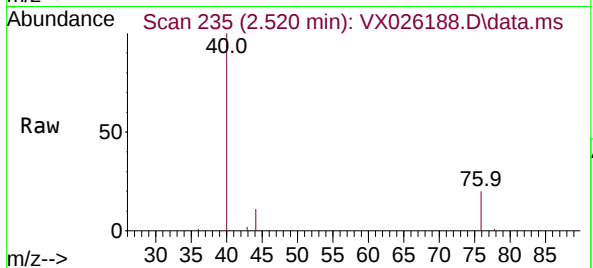
Tgt Ion: 43 Resp: 15672
Ion Ratio Lower Upper
43 100
58 28.1 24.8 37.2



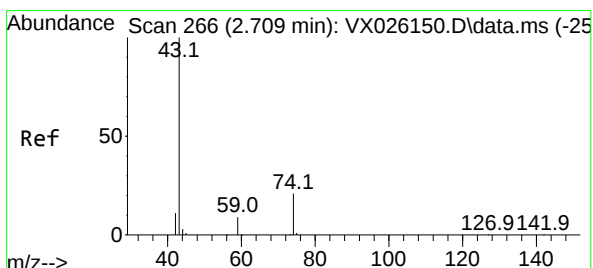
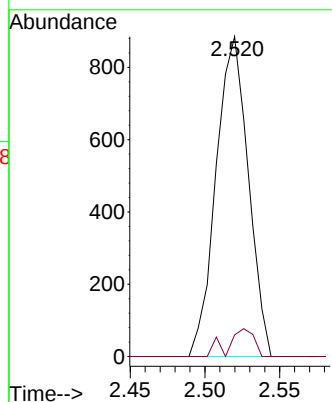
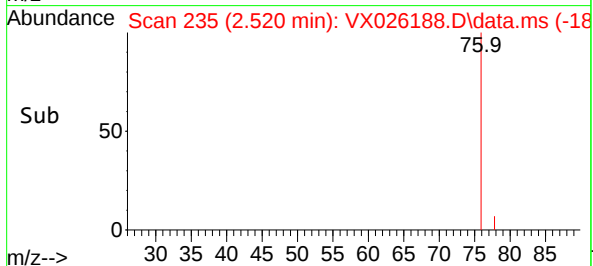


#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

Instrument :
MSVOA_X
ClientSampleId :

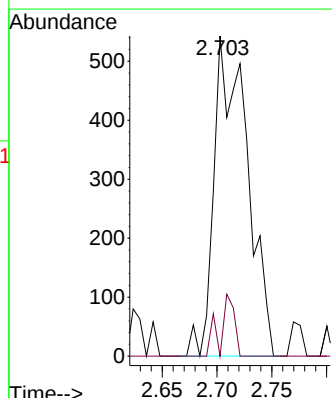
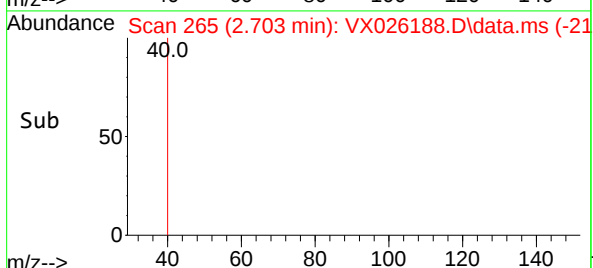
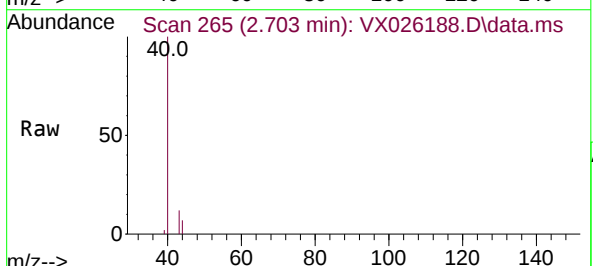


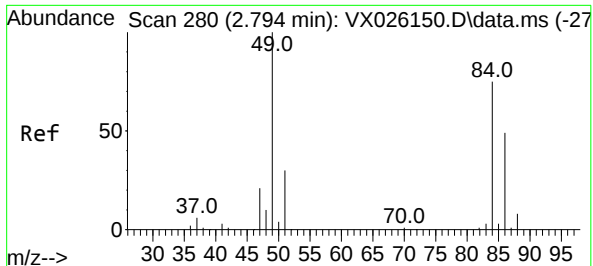
Tgt Ion: 76 Resp: 1327
Ion Ratio Lower Upper
76 100
78 6.8 7.2 10.8#



#18
Methyl Acetate
Concen: 0.323 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

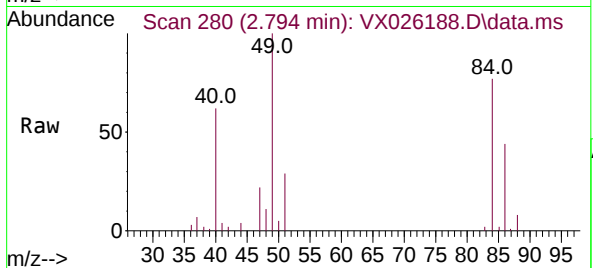
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
74 8.3 19.1 28.7#



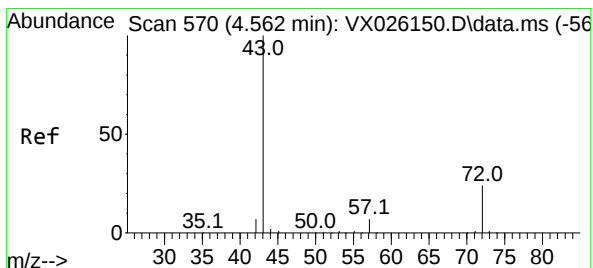
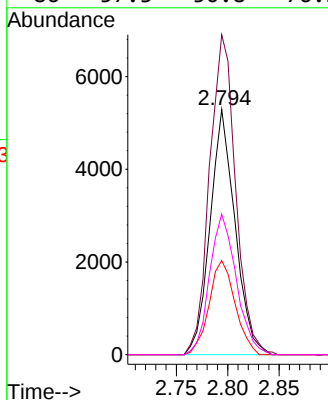
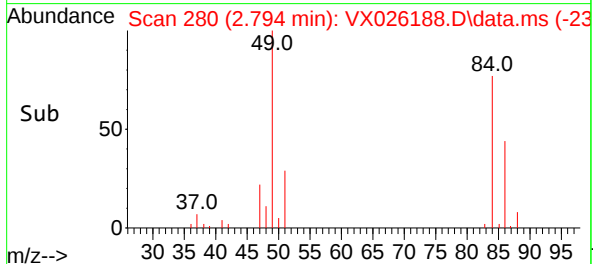


#20
Methylene Chloride
Concen: 4.277 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

Instrument :
MSVOA_X
ClientSampleId :

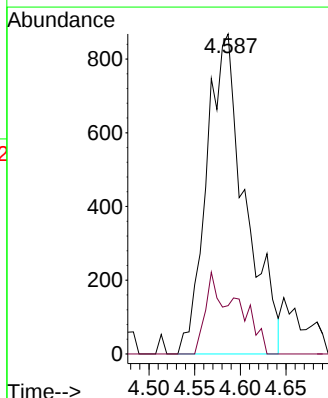
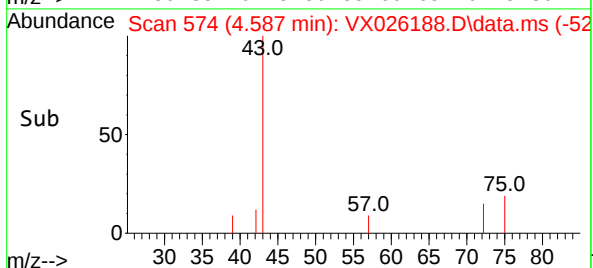
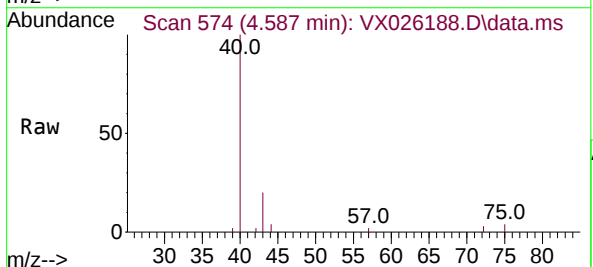


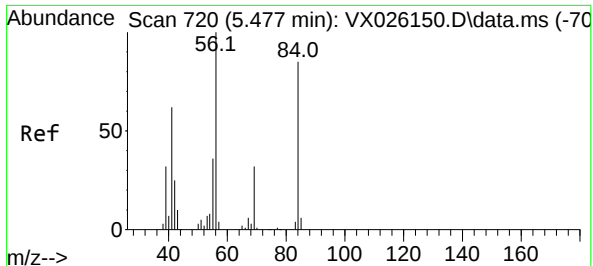
Tgt Ion:	84	Resp:	8959
Ion	Ratio	Lower	Upper
84	100		
49	130.5	97.1	145.7
51	38.4	29.3	43.9
86	57.3	50.8	76.2



#25
2-Butanone
Concen: 1.676 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.025 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

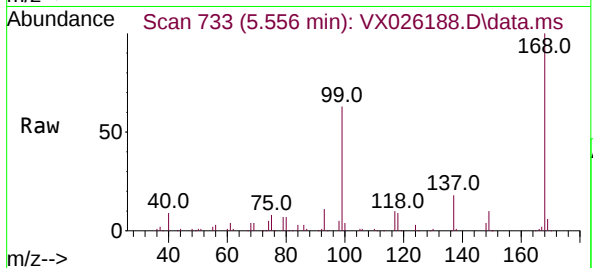
Tgt Ion:	43	Resp:	2544
Ion	Ratio	Lower	Upper
43	100		
72	15.1	21.0	31.4#



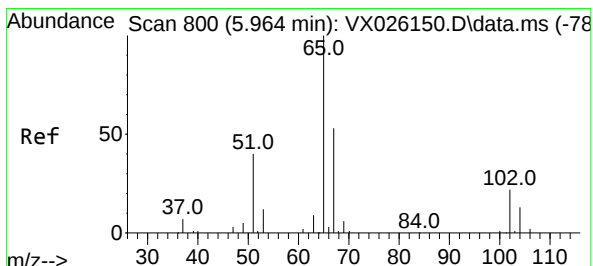
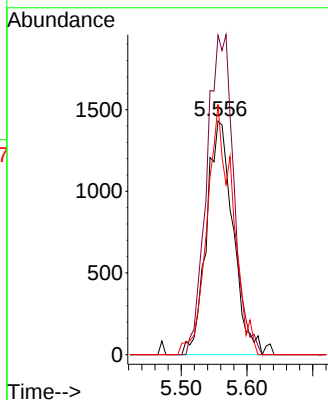
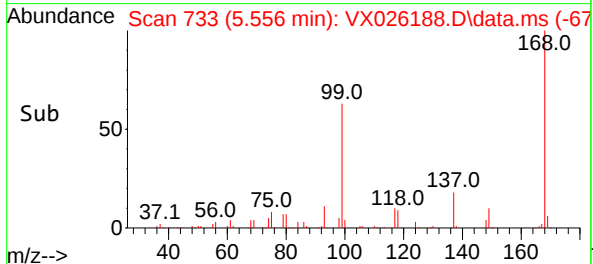


#31
Cyclohexane
Concen: 1.412 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

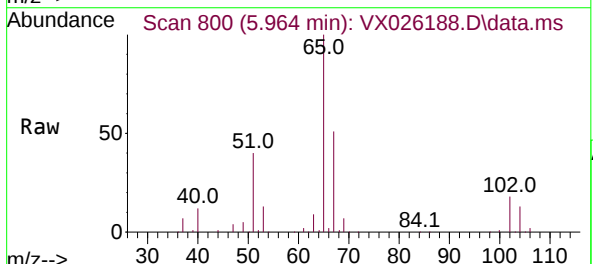
Instrument :
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ClientSampleId :



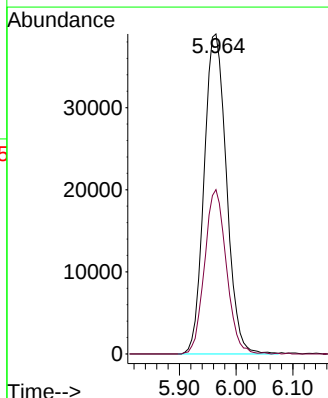
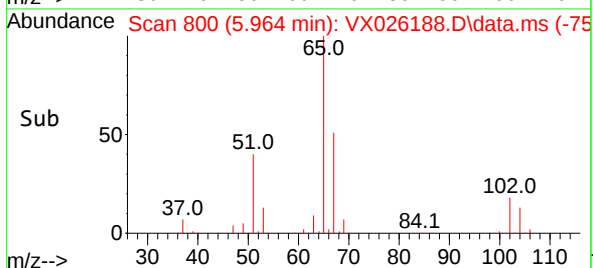
Tgt Ion: 56 Resp: 4044
Ion Ratio Lower Upper
56 100
69 136.6 23.9 35.9#
84 107.1 73.2 109.8

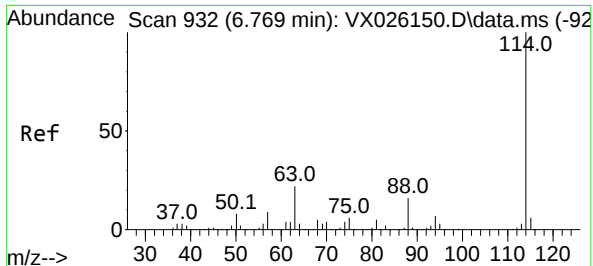


#33
1,2-Dichloroethane-d4
Concen: 53.057 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45



Tgt Ion: 65 Resp: 106718
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.4

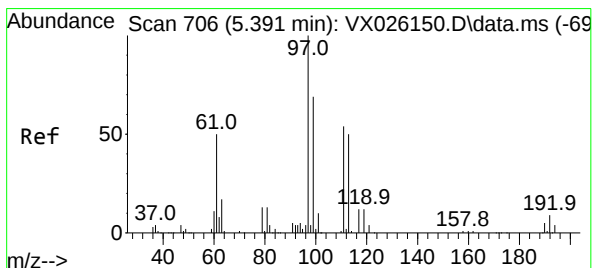
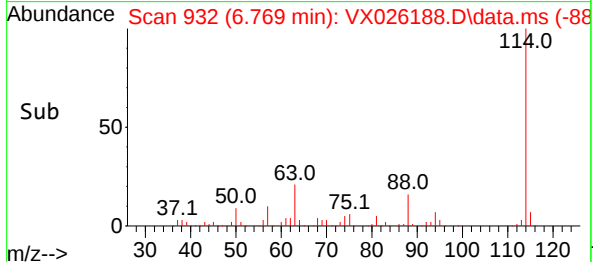
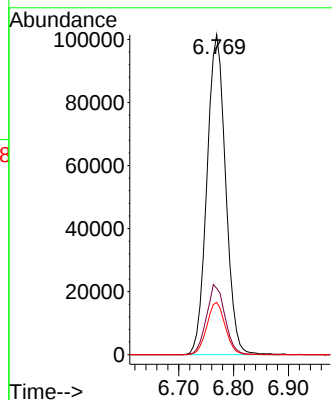
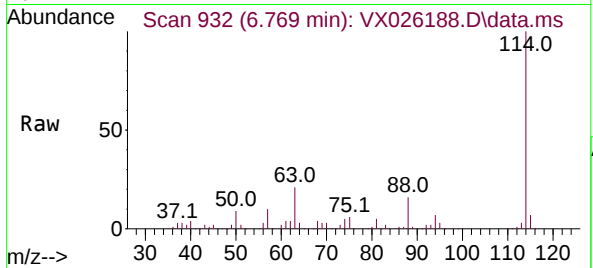




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

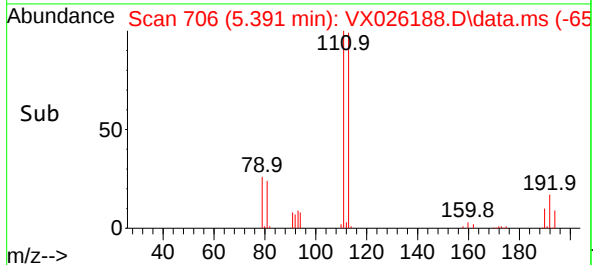
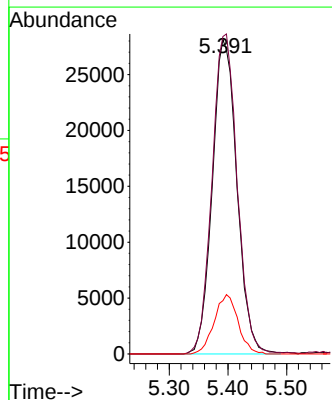
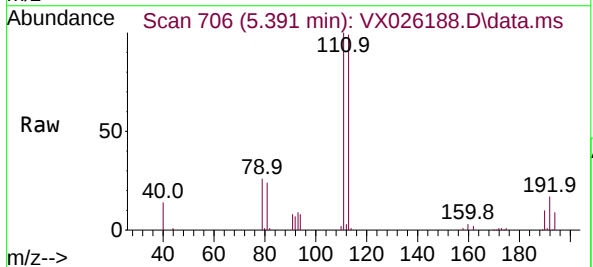
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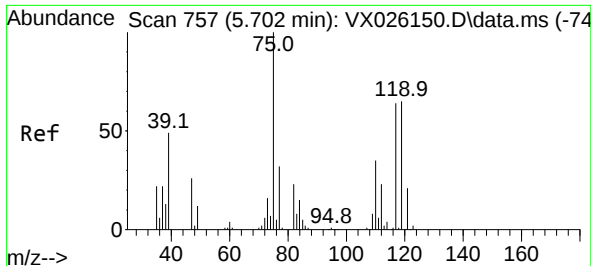
Tgt Ion:114 Resp: 239949
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.0
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.412 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

Tgt Ion:113 Resp: 81762
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.8
192 18.3 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.854 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

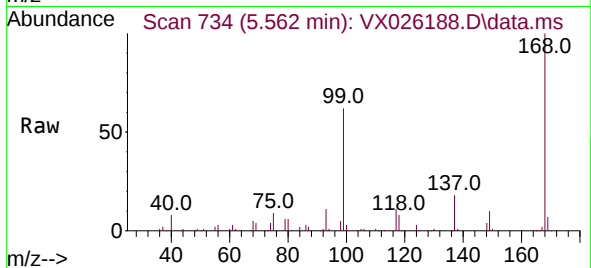
Lab File: VX026188.D

Acq: 30 Dec 2021 23:45

Instrument :

MSVOA_X

ClientSampleId :



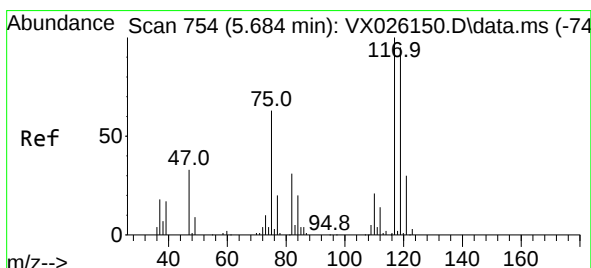
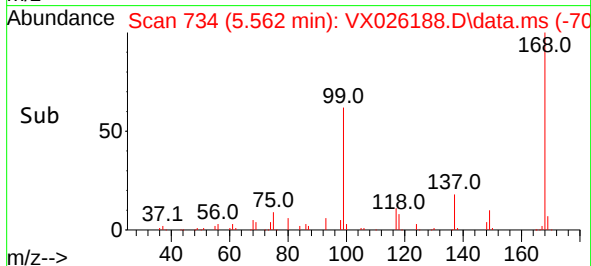
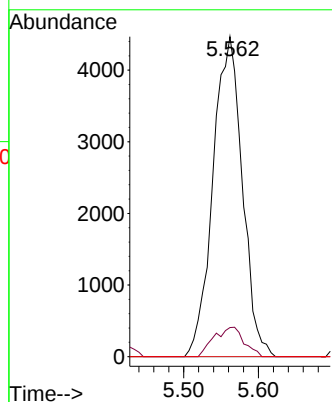
Tgt Ion: 75 Resp: 12214

Ion Ratio Lower Upper

75 100

110 9.4 18.2 54.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.482 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX026188.D

Acq: 30 Dec 2021 23:45

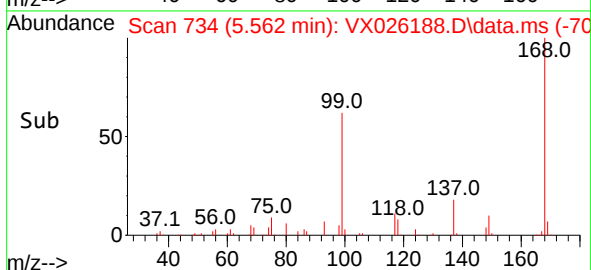
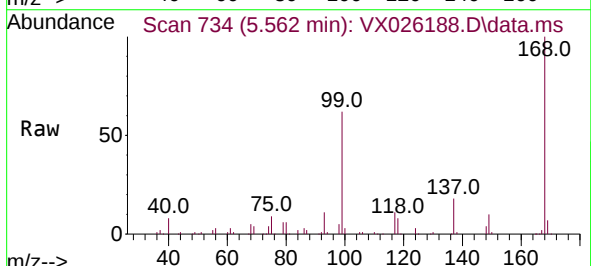
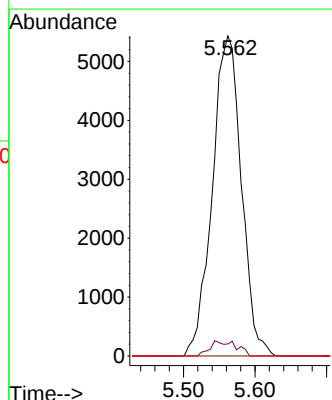
Tgt Ion: 117 Resp: 15343

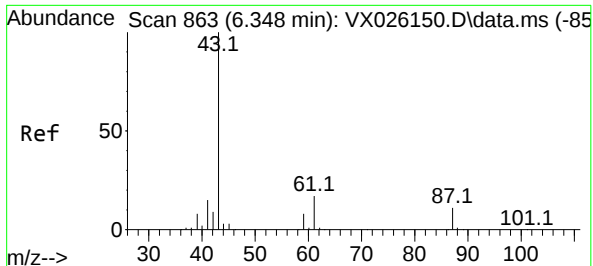
Ion Ratio Lower Upper

117 100

119 3.8 77.2 115.8#

121 0.0 23.8 35.8#

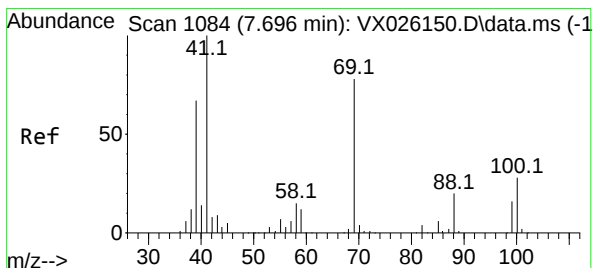
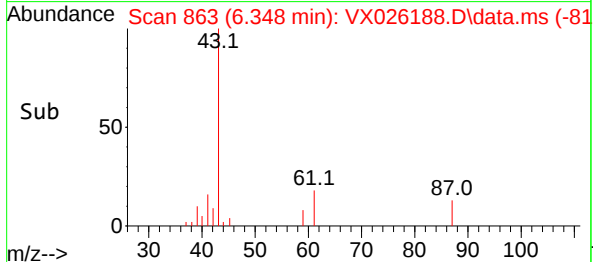
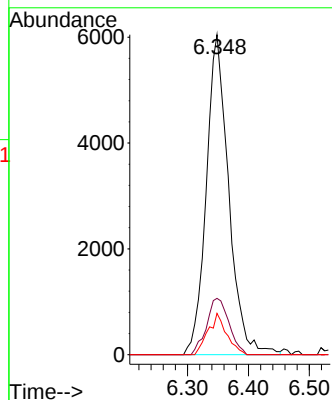
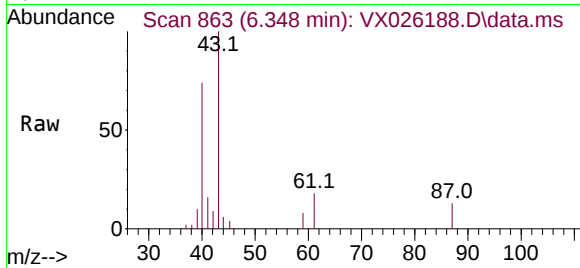




#43
Isopropyl Acetate
Concen: 3.256 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

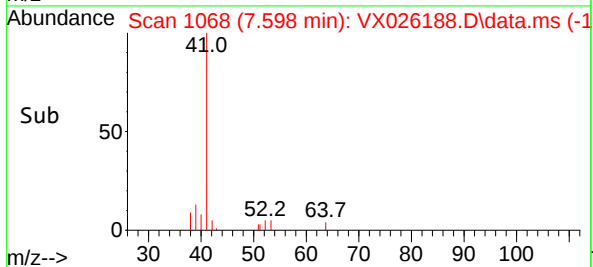
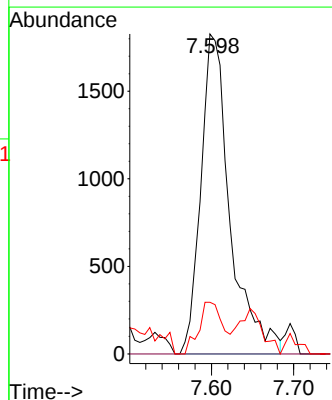
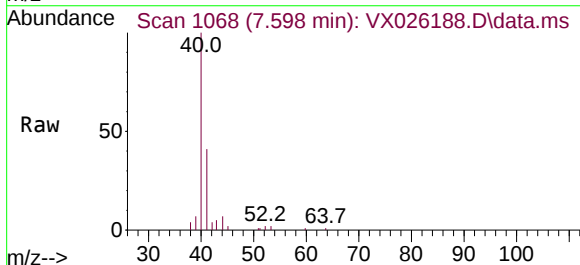
Instrument :
MSVOA_X
ClientSampleId :

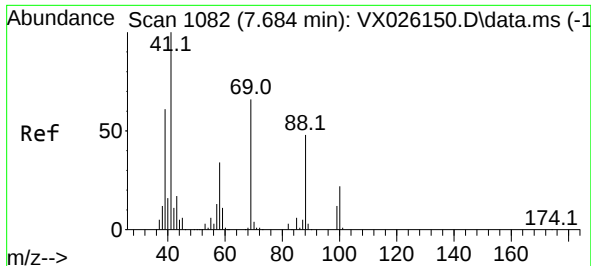
Tgt Ion: 43 Resp: 15479
Ion Ratio Lower Upper
43 100
61 17.5 15.7 23.5
87 10.7 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.980 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

Tgt Ion: 41 Resp: 4514
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: 2.760 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.121 min

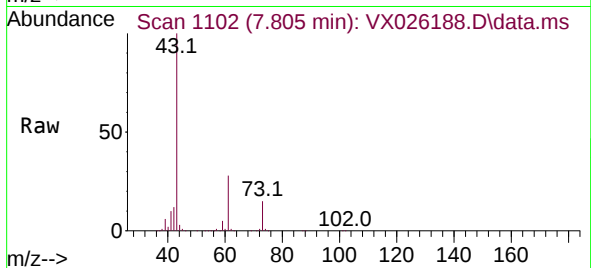
Lab File: VX026188.D

Acq: 30 Dec 2021 23:45

Instrument :

MSVOA_X

ClientSampleId :



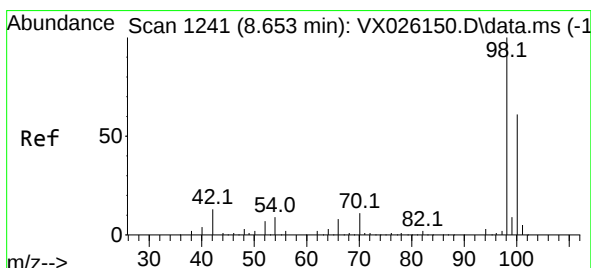
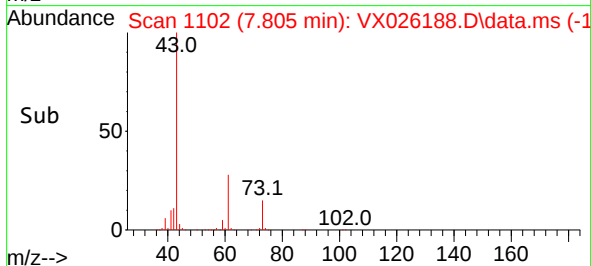
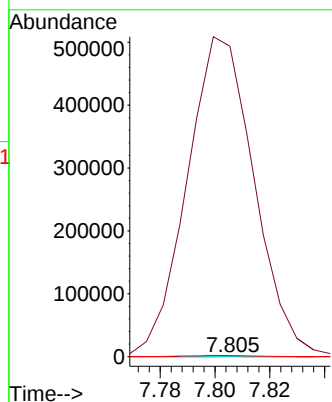
Tgt Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

43 754570.7 25.3 37.9#

58 2938.8 51.8 77.6#



#50

Toluene-d8

Concen: 49.529 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026188.D

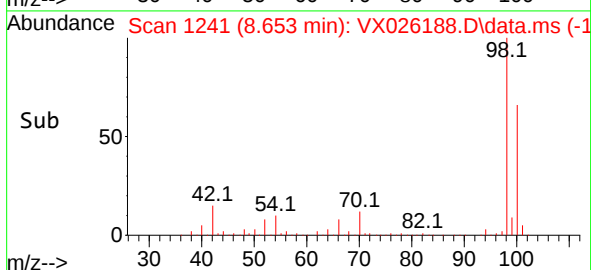
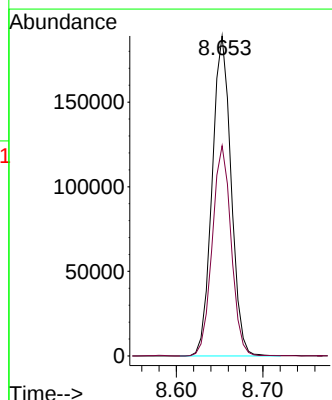
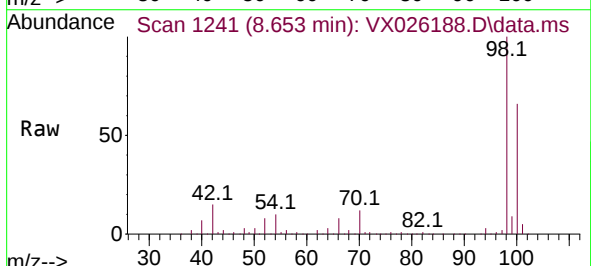
Acq: 30 Dec 2021 23:45

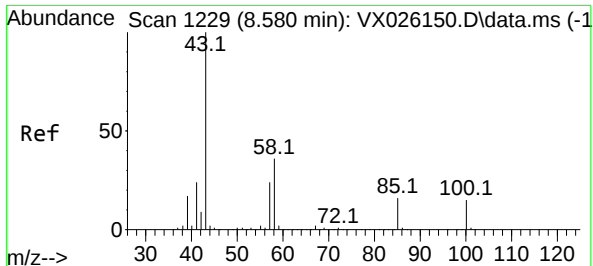
Tgt Ion: 98 Resp: 287393

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 18.671 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX026188.D

Acq: 30 Dec 2021 23:45

Instrument :

MSVOA_X

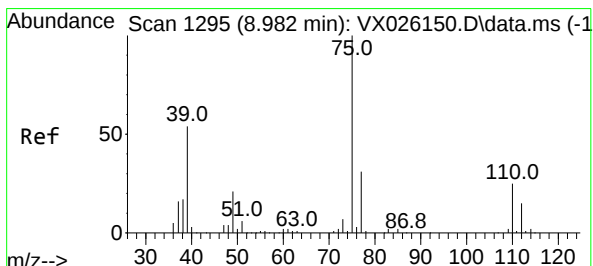
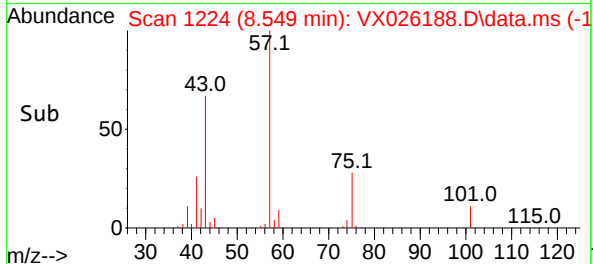
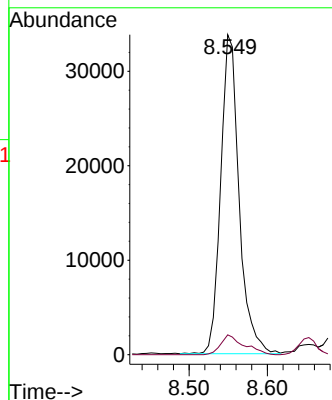
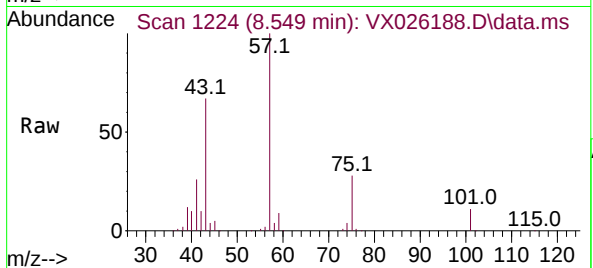
ClientSampleId :

Tgt Ion: 43 Resp: 55245

Ion Ratio Lower Upper

43 100

58 7.8 30.8 46.2#



#53

t-1,3-Dichloropropene

Concen: 1.910 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VX026188.D

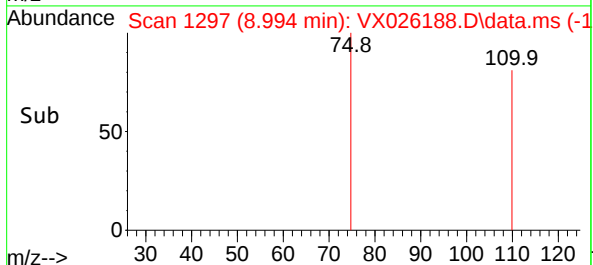
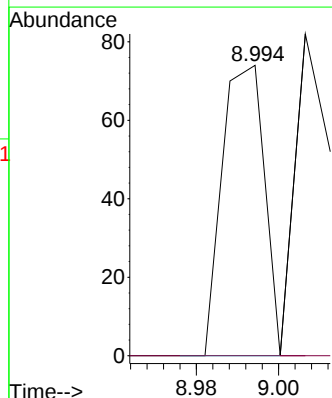
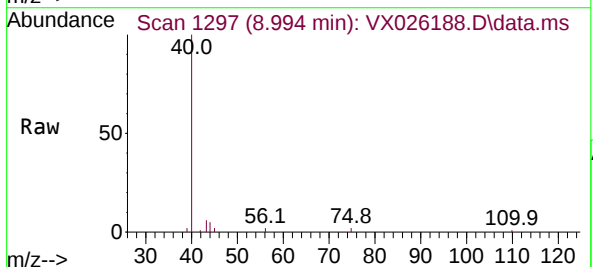
Acq: 30 Dec 2021 23:45

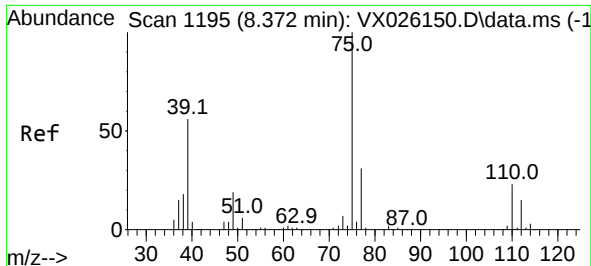
Tgt Ion: 75 Resp: 53

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

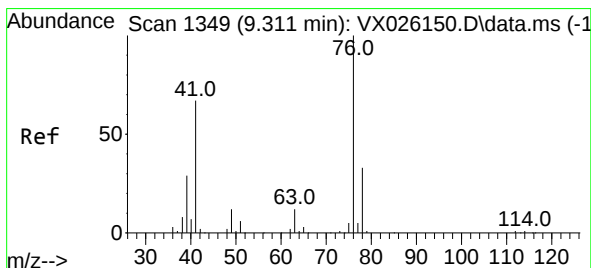
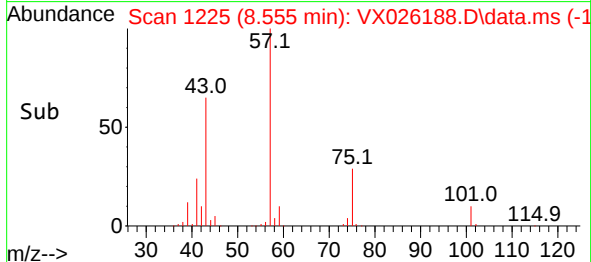
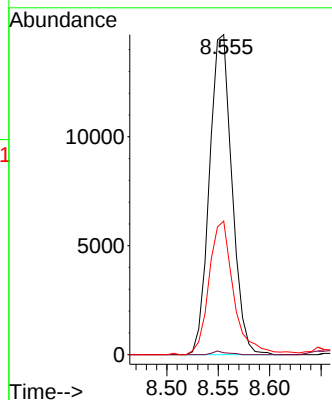
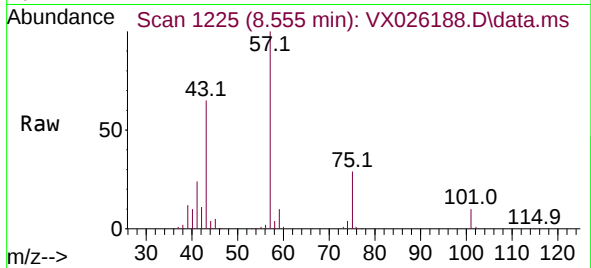




#54
 cis-1,3-Dichloropropene
 Concen: 7.639 ug/l
 RT: 8.555 min Scan# 1195
 Delta R.T. 0.183 min
 Lab File: VX026188.D
 Acq: 30 Dec 2021 23:45

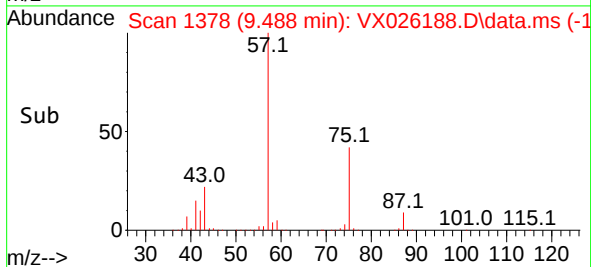
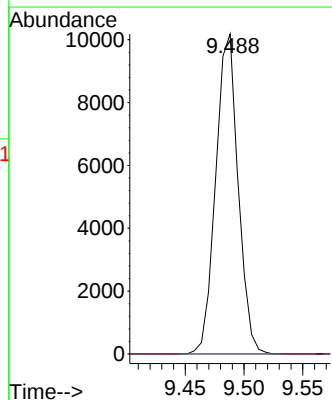
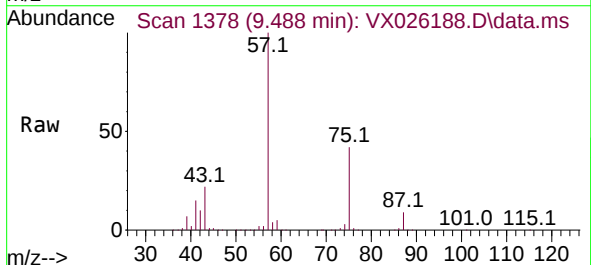
Instrument :
 MSVOA_X
 ClientSampleId :

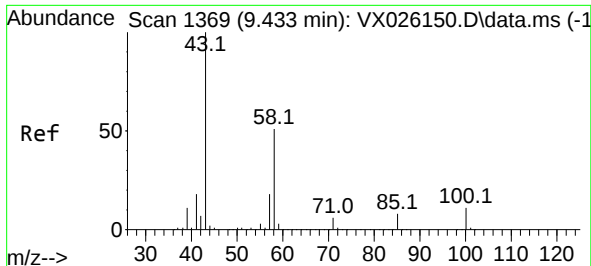
Tgt Ion: 75 Resp: 22379
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 41.7 41.4 62.0



#57
 1,3-Dichloropropane
 Concen: 4.341 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026188.D
 Acq: 30 Dec 2021 23:45

Tgt Ion: 76 Resp: 13511
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

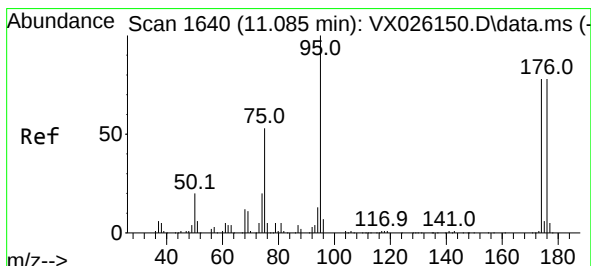
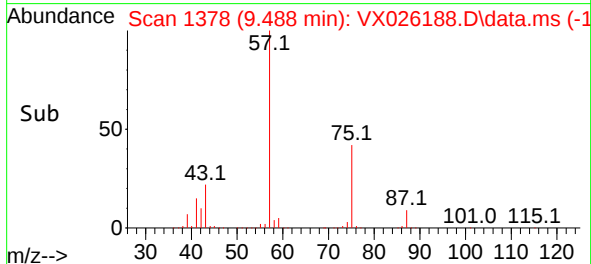
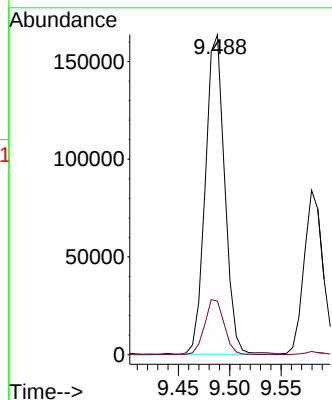
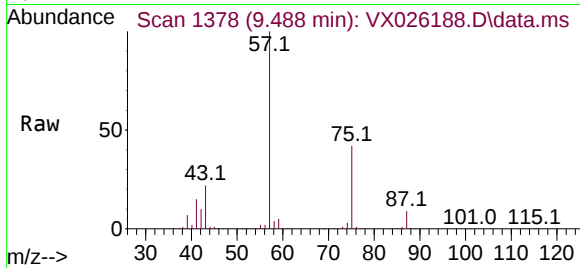




#59
2-Hexanone
Concen: 95.516 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

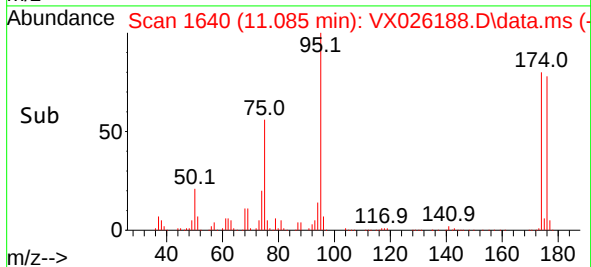
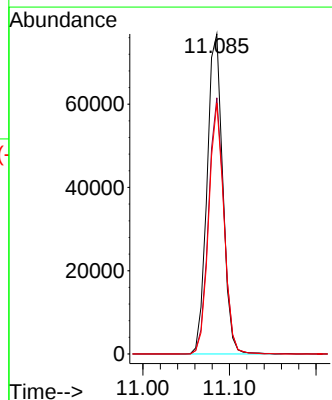
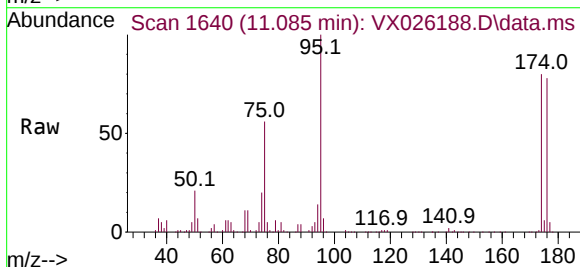
Instrument :
MSVOA_X
ClientSampleId :

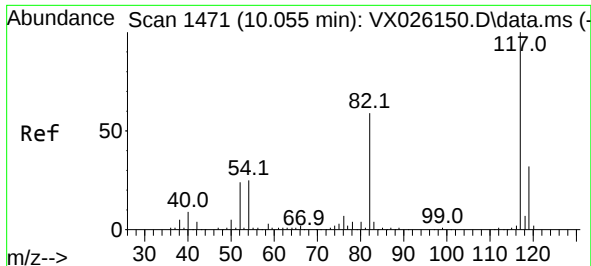
Tgt Ion: 43 Resp: 214082
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 46.783 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

Tgt Ion: 95 Resp: 96637
Ion Ratio Lower Upper
95 100
174 78.6 0.0 157.4
176 75.9 0.0 154.6

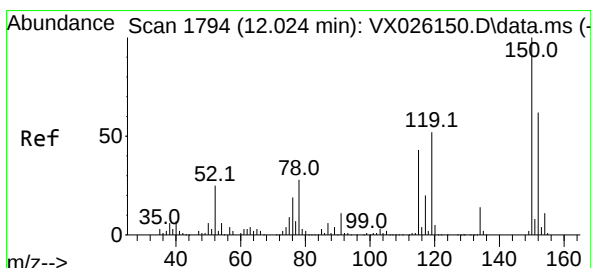
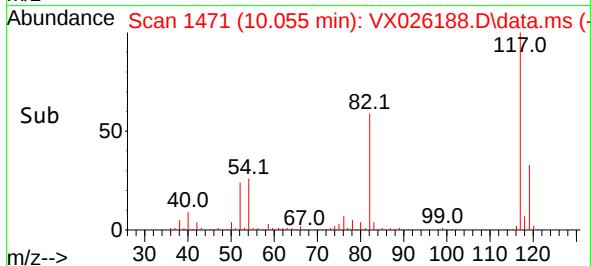
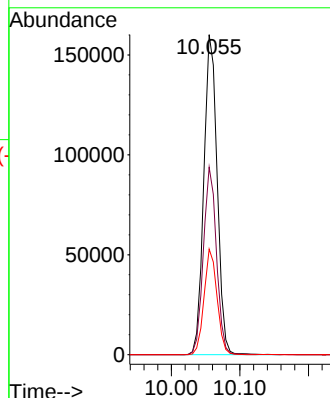
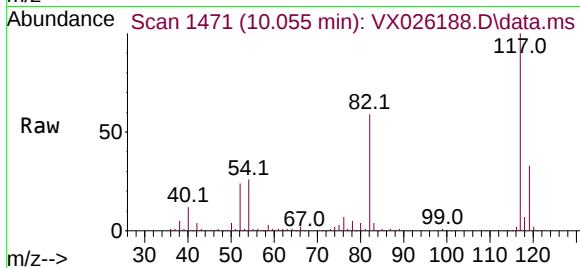




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

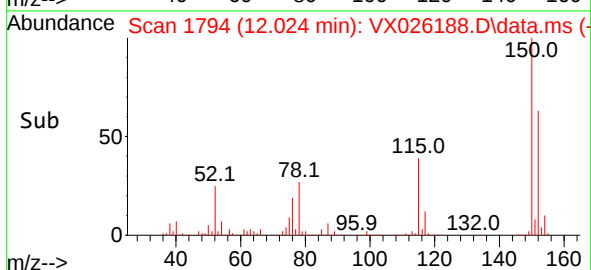
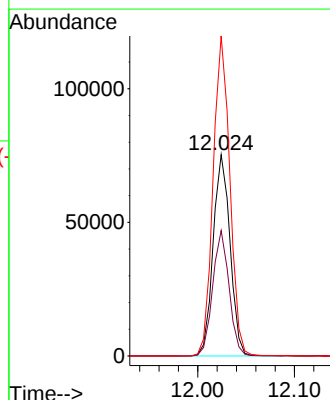
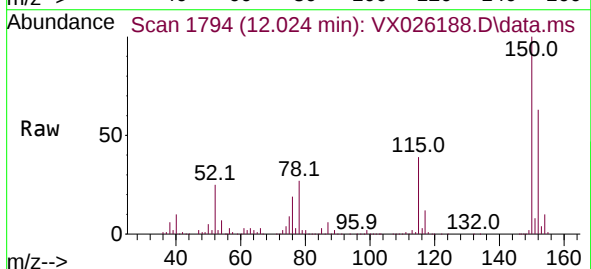
Instrument :
MSVOA_X
ClientSampleId :

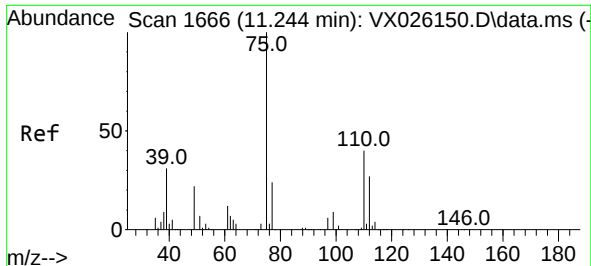
Tgt Ion:117 Resp: 217478
Ion Ratio Lower Upper
117 100
82 58.6 43.8 65.6
119 33.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

Tgt Ion:152 Resp: 91413
Ion Ratio Lower Upper
152 100
115 60.4 41.3 123.9
150 157.5 0.0 351.8

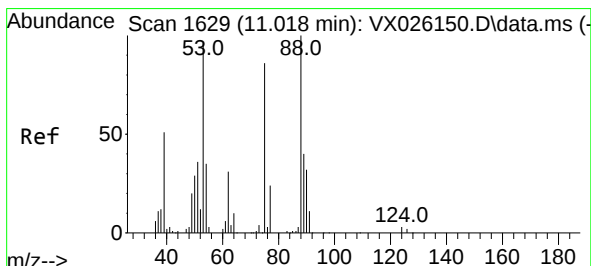
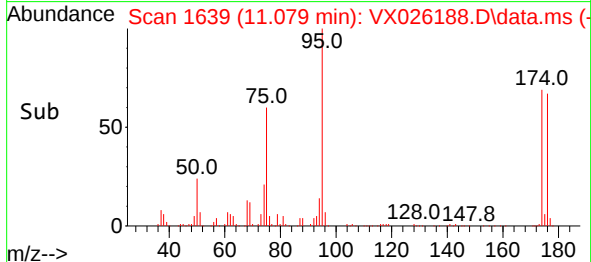
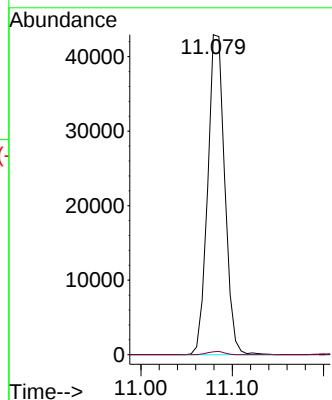
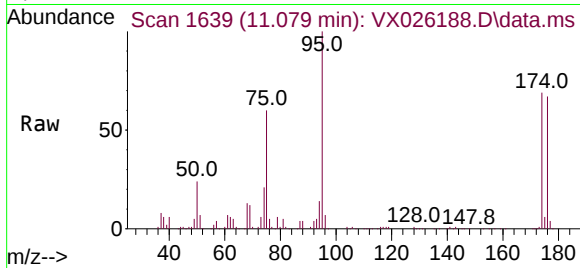




#76
1,2,3-Trichloropropane
Concen: 25.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

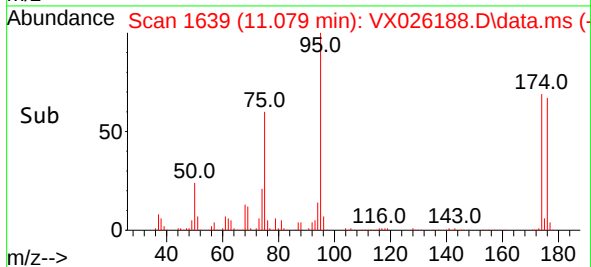
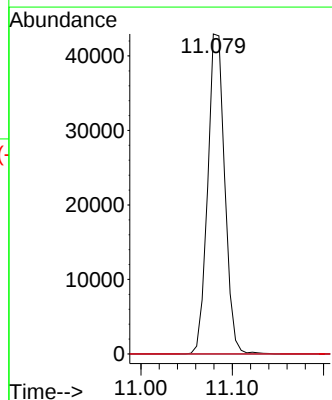
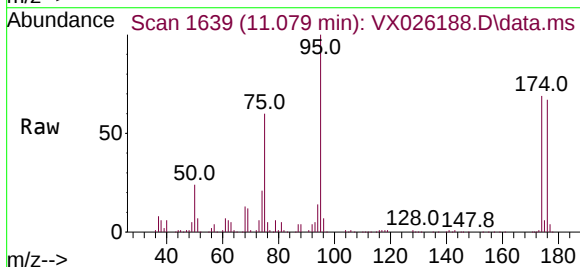
Instrument :
MSVOA_X
ClientSampleId :

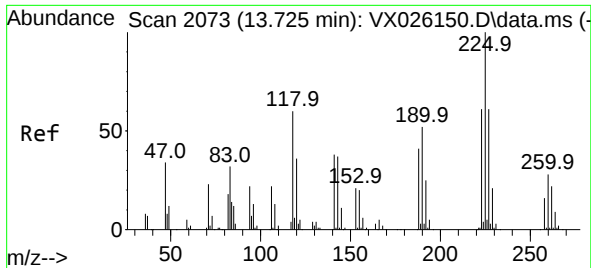
Tgt Ion: 75 Resp: 55482
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.745 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026188.D
Acq: 30 Dec 2021 23:45

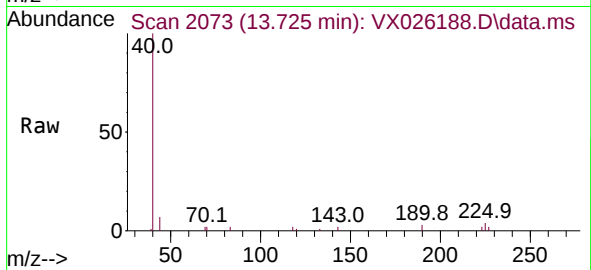
Tgt Ion: 75 Resp: 55482
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#94
 Hexachlorobutadiene
 Concen: 0.283 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX026188.D
 Acq: 30 Dec 2021 23:45

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
225	100		
223	26.3	31.6	95.0#
227	37.3	32.5	97.5

