

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070121\
 Data File : VX023080.D
 Acq On : 01 Jul 2021 13:18
 Operator : JC/MD
 Sample : M2838-21DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP09-20210622DL

Quant Time: Jul 02 04:29:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	55174	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	113889	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36253	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52364	52.296	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.600%
35) Dibromofluoromethane	5.391	113	35506	49.094	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	8.653	98	140370	49.523	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.040%
62) 4-Bromofluorobenzene	11.085	95	46659	44.108	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.220%

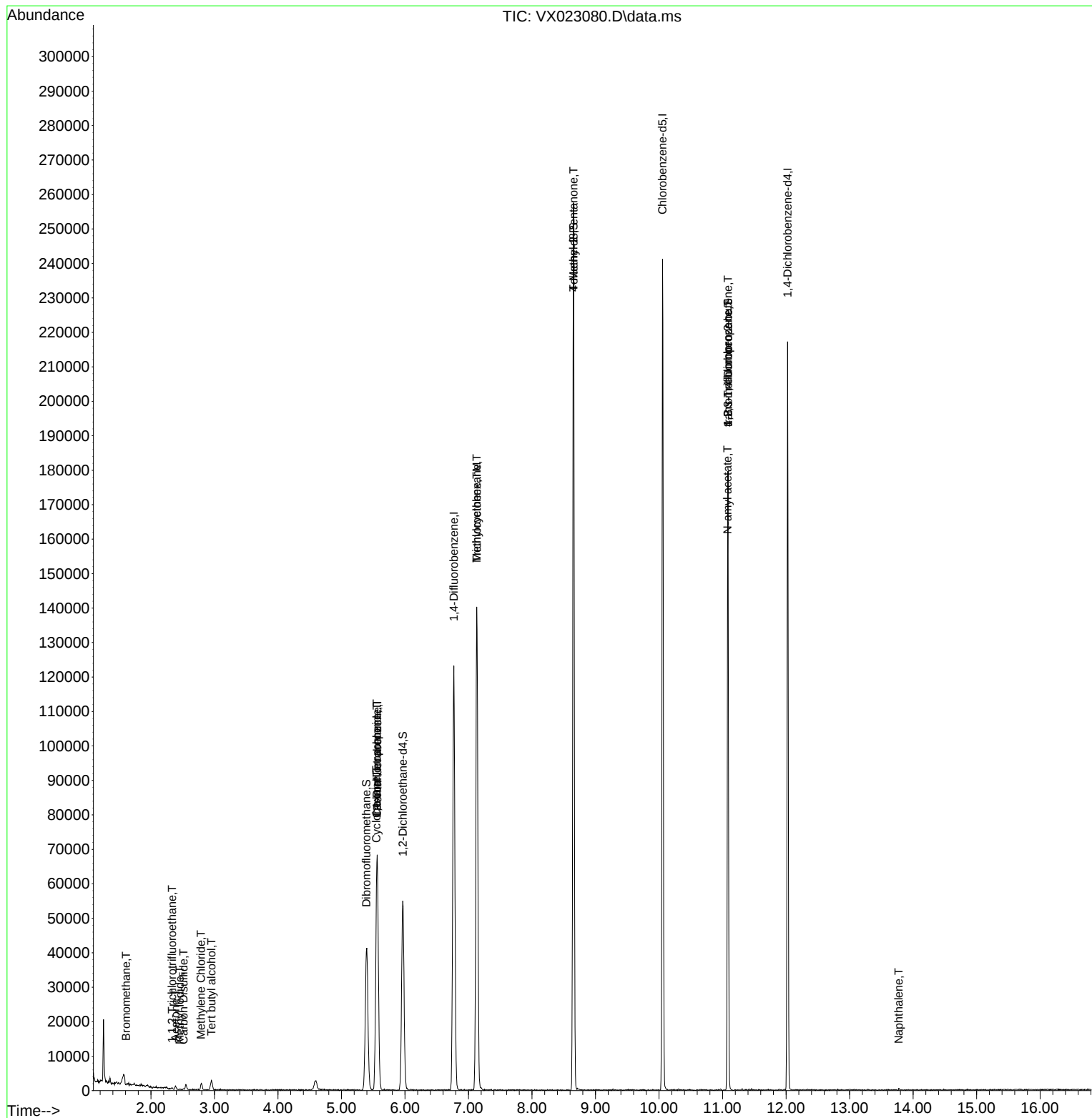
Target Compounds					Qvalue
5) Bromomethane	1.605	94	135	0.311	ug/l # 51
9) 1,1,2-Trichlorotrifluo...	2.331	101	259	0.361	ug/l # 71
10) Methyl Iodide	2.453	142	172	4.063	ug/l # 42
11) Tert butyl alcohol	2.953	59	1724	8.261	ug/l # 73
16) Acetone	2.386	43	1037	2.336	ug/l 95
17) Carbon Disulfide	2.514	76	312	3.664	ug/l # 75
20) Methylene Chloride	2.788	84	838	1.317	ug/l # 86
31) Cyclohexane	5.550	56	1891	1.338	ug/l # 60
36) 1,1-Dichloropropene	5.556	75	6006	4.965	ug/l # 44
38) Carbon Tetrachloride	5.556	117	6489	6.396	ug/l # 16
39) Methylcyclohexane	7.129	83	645	0.457	ug/l # 1
44) Trichloroethene	7.129	130	46827	56.608	ug/l 83
51) 4-Methyl-2-Pentanone	8.653	43	835	0.596	ug/l # 1
74) N-amyl acetate	11.079	43	42	2.078	ug/l # 1
76) 1,2,3-Trichloropropane	11.085	75	26338	27.505	ug/l # 38
81) trans-1,4-Dichloro-2-b...	11.085	75	26338	71.128	ug/l # 12
95) Naphthalene	13.774	128	460	2.072	ug/l # 69

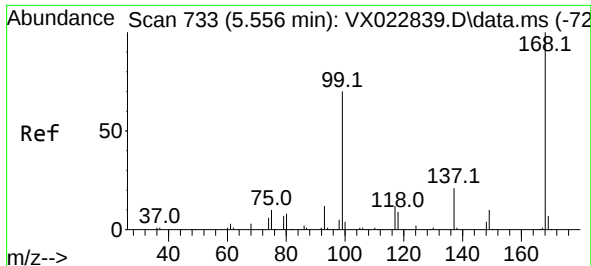
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP09-20210622DL

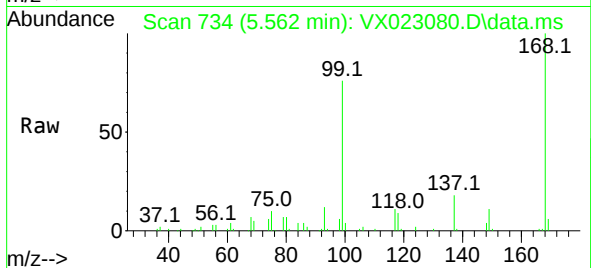
Quant Time: Jul 02 04:29:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration



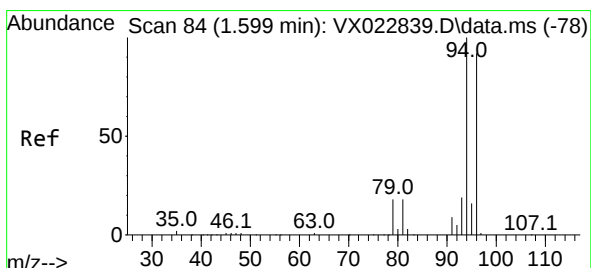
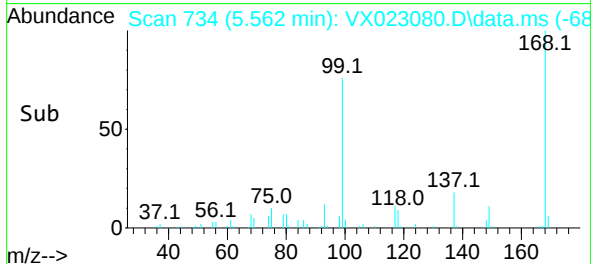
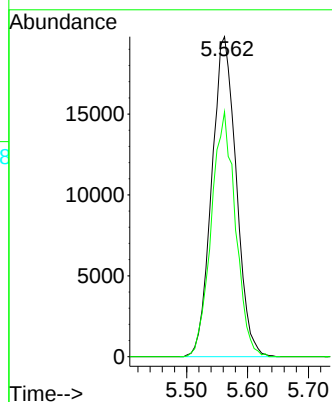


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622DL

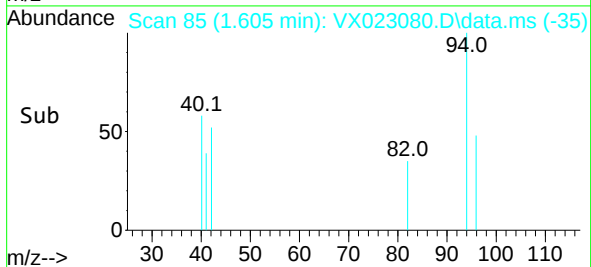
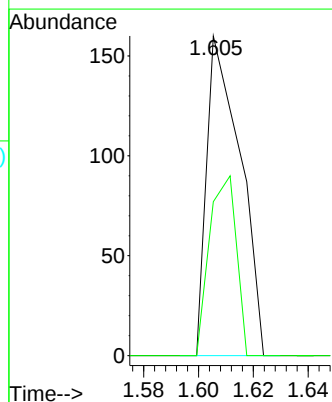
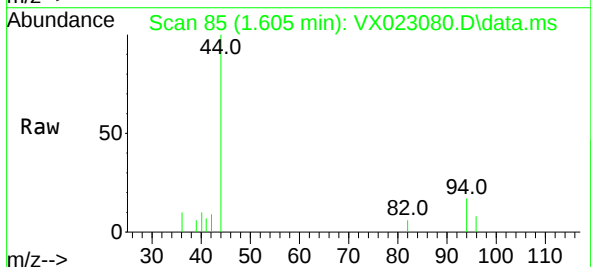


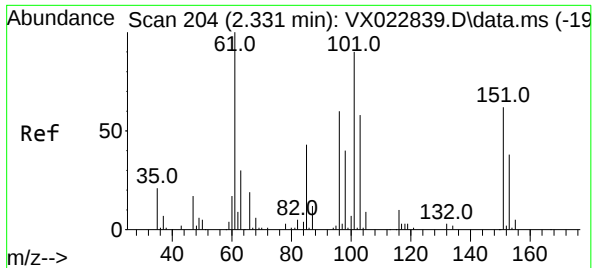
Tgt Ion:168 Resp: 55174
Ion Ratio Lower Upper
168 100
99 76.5 45.8 68.6#



#5
Bromomethane
Concen: 0.311 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 48.1 76.4 114.6#

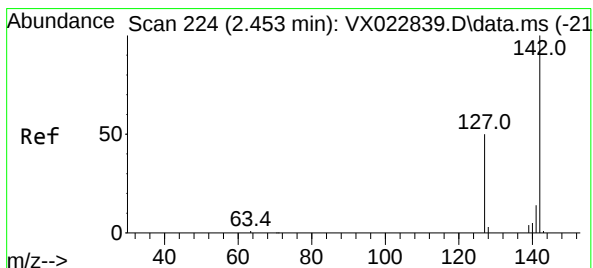
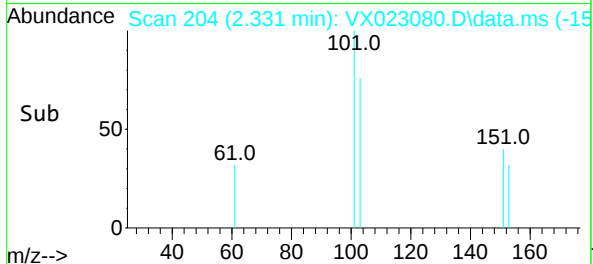
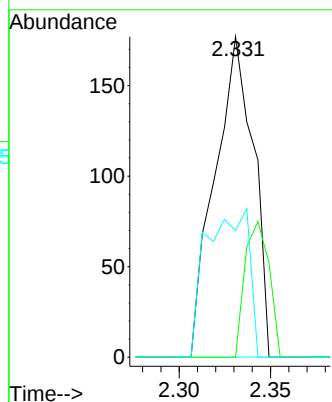
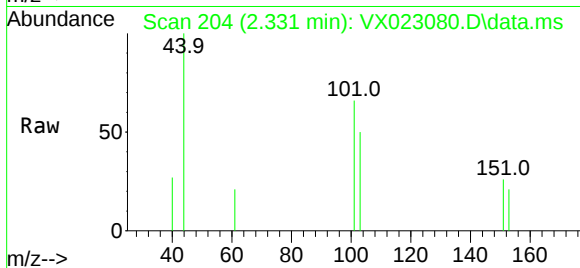




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.361 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

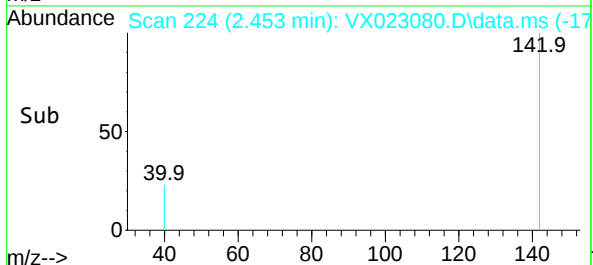
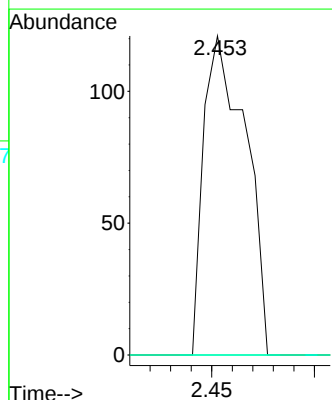
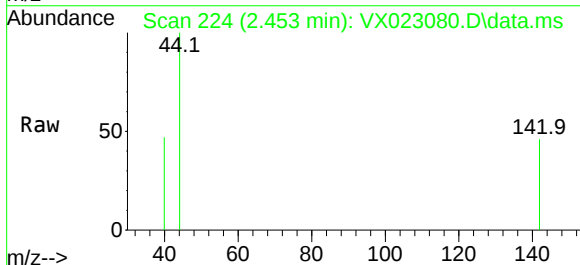
Instrument :
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ClientSampleId :
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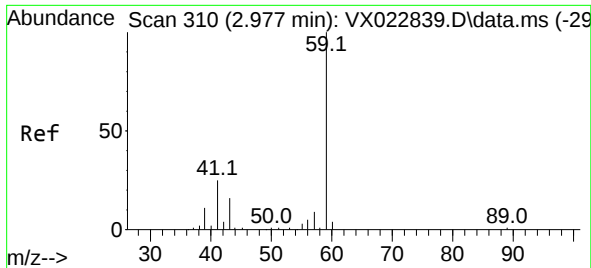
Tgt Ion:	101	Resp:	259
Ion	Ratio	Lower	Upper
101	100		
85	26.6	34.9	52.3#
151	51.0	61.4	92.2#



#10
Methyl Iodide
Concen: 4.063 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion:	142	Resp:	172
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#

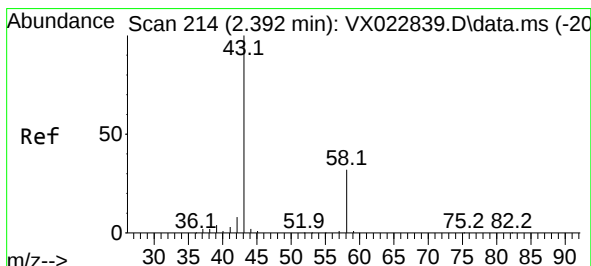
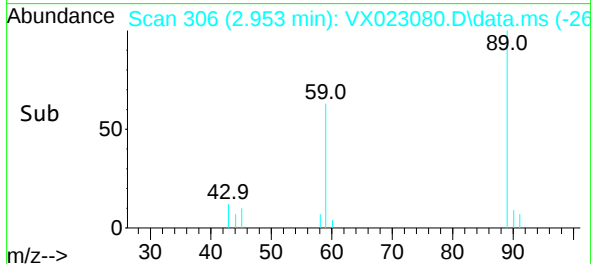
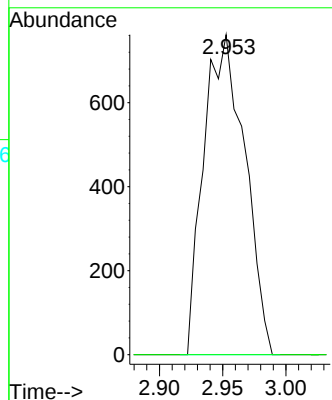
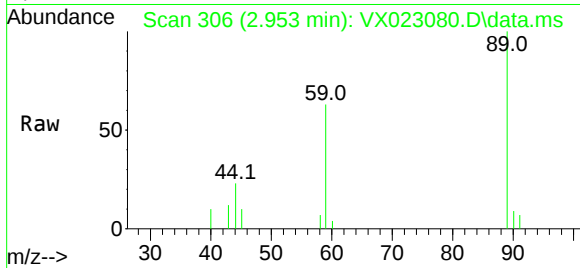




#11
Tert butyl alcohol
Concen: 8.261 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

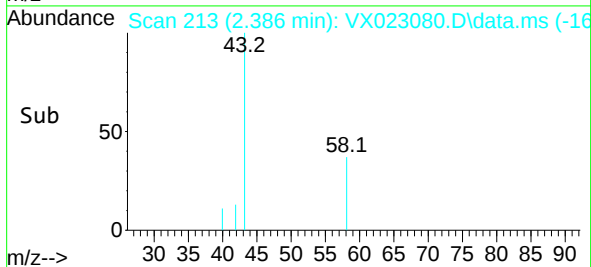
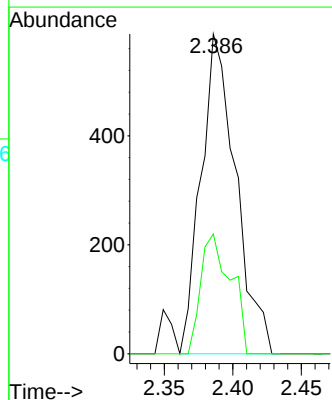
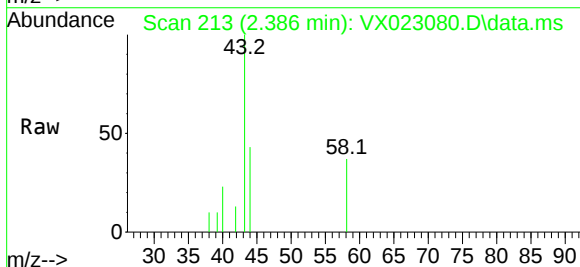
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622DL

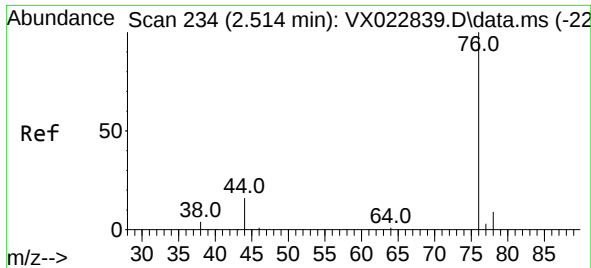
Tgt Ion: 59 Resp: 1724
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 2.336 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
58 37.5 27.8 41.8

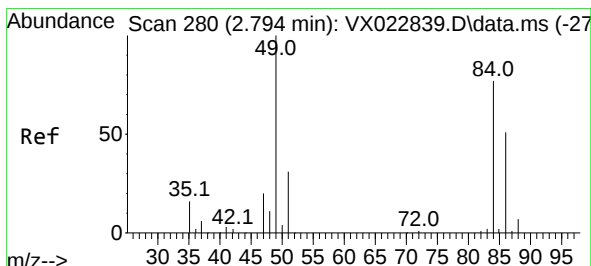
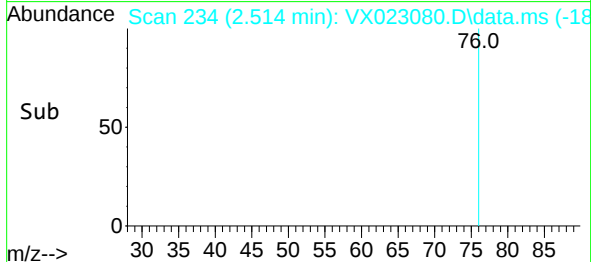
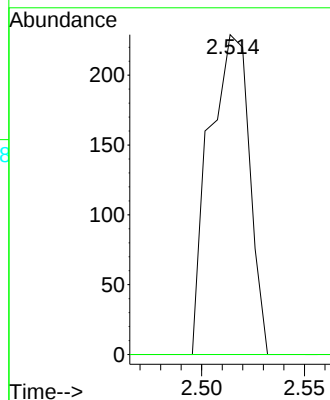
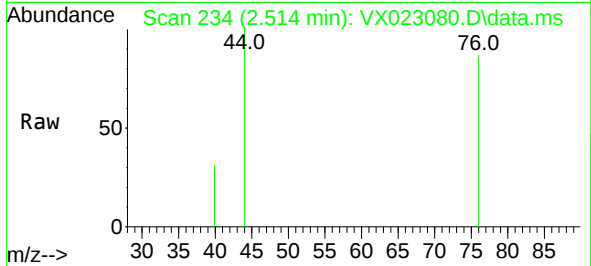




#17
Carbon Disulfide
Concen: 3.664 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

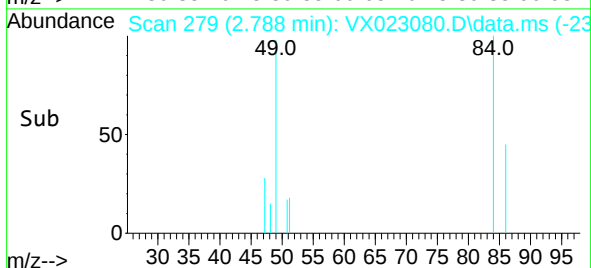
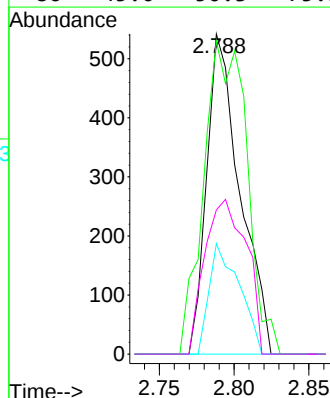
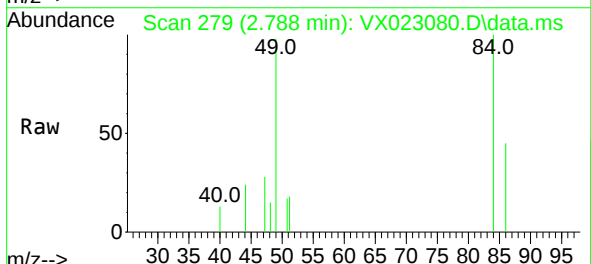
Instrument :
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ClientSampleId :
DUP09-20210622DL

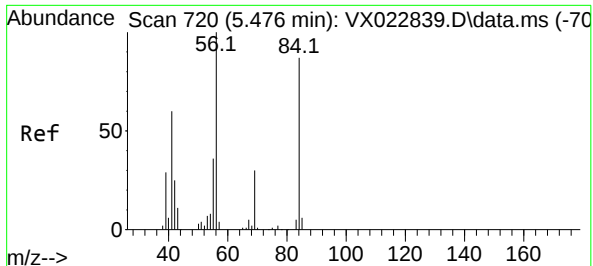
Tgt Ion: 76 Resp: 312
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 1.317 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 84 Resp: 838
Ion Ratio Lower Upper
84 100
49 97.8 88.6 132.8
51 34.5 27.0 40.6
86 45.0 50.3 75.5#

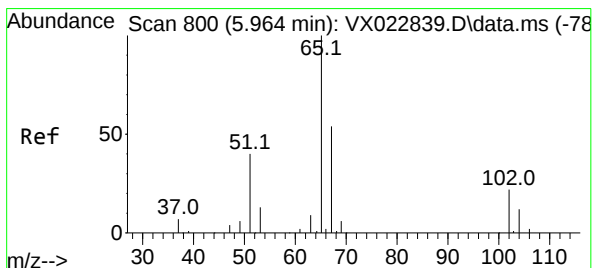
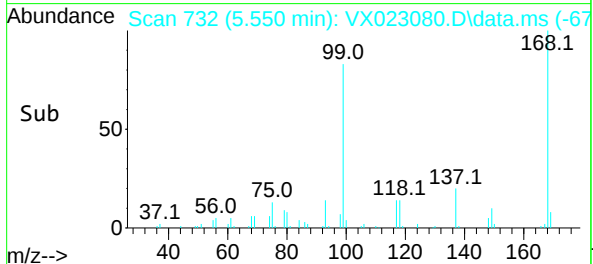
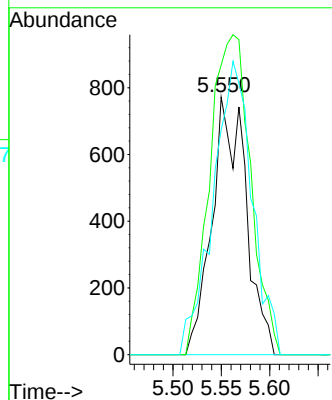
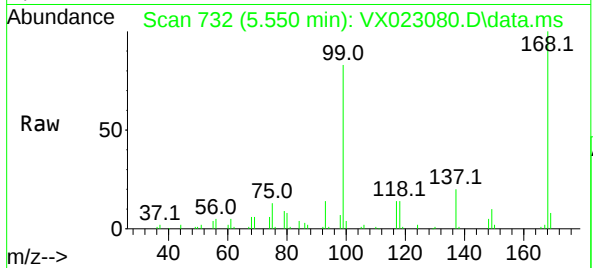




#31
Cyclohexane
Concen: 1.338 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.074 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

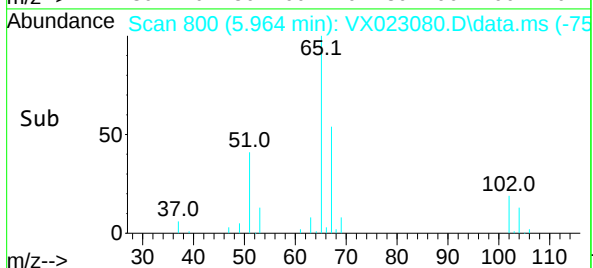
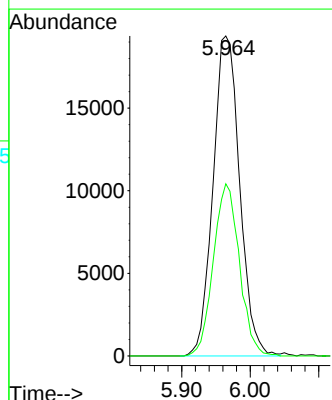
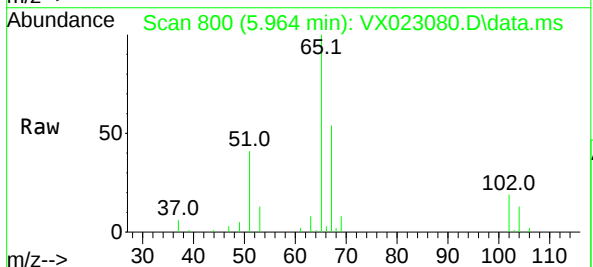
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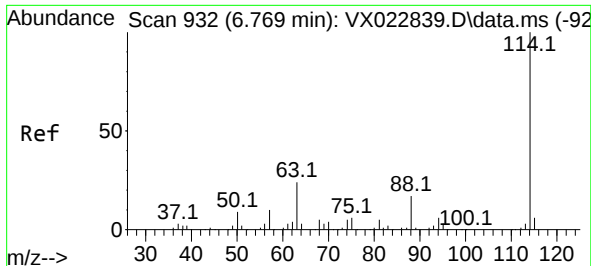
Tgt Ion: 56 Resp: 1891
Ion Ratio Lower Upper
56 100
69 112.4 25.3 37.9#
84 87.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.296 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 65 Resp: 52364
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.4

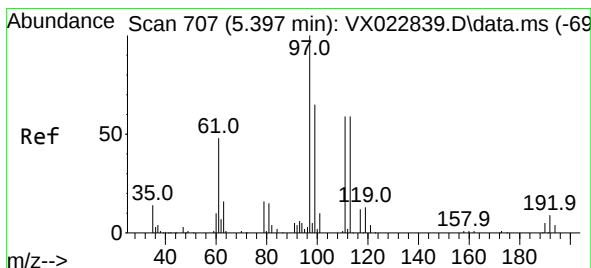
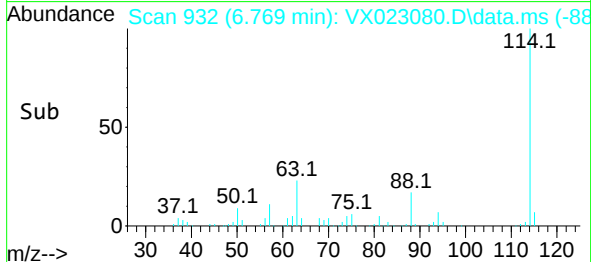
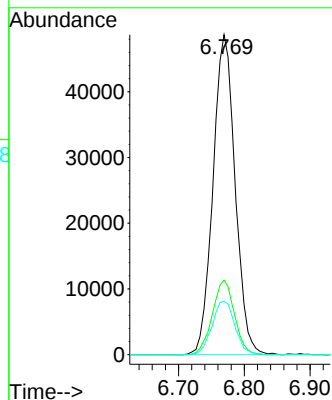
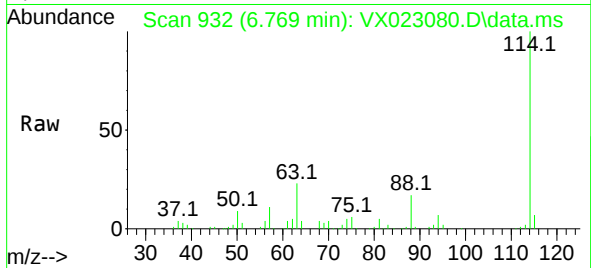




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

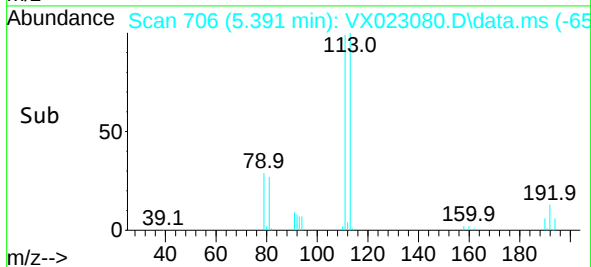
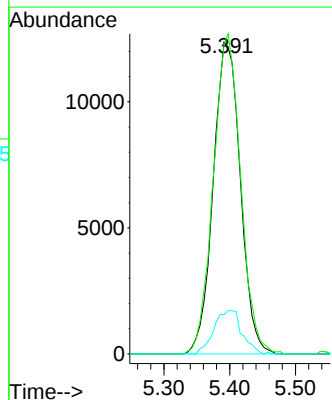
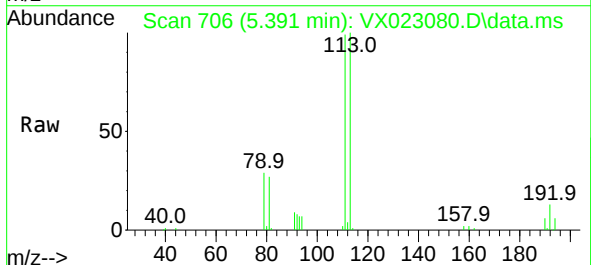
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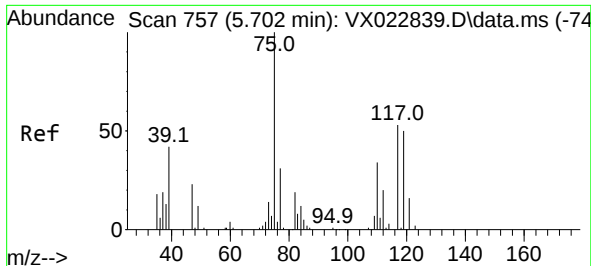
Tgt Ion:114 Resp: 113889
Ion Ratio Lower Upper
114 100
63 23.3 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.094 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion:113 Resp: 35506
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 14.4 16.7 25.1#

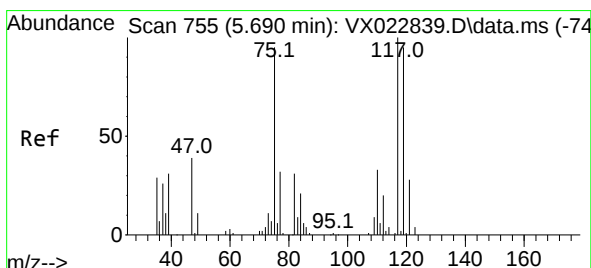
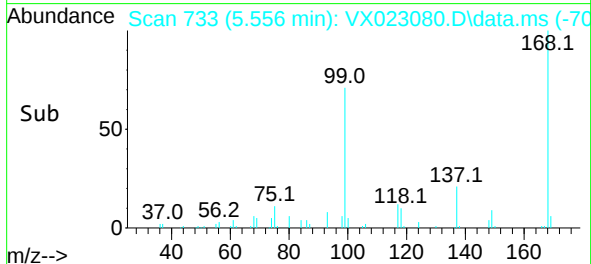
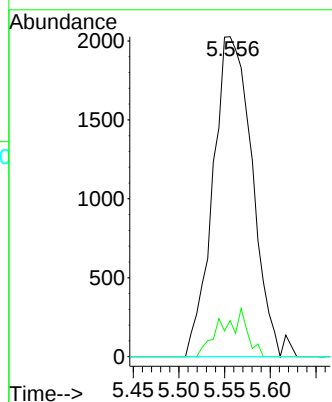
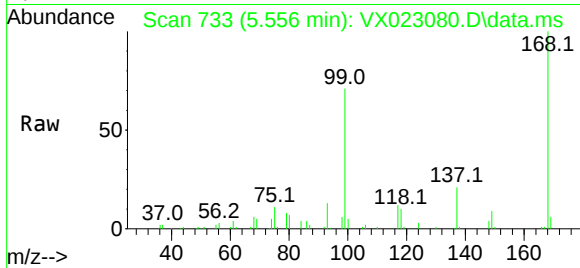




#36
1,1-Dichloropropene
Concen: 4.965 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

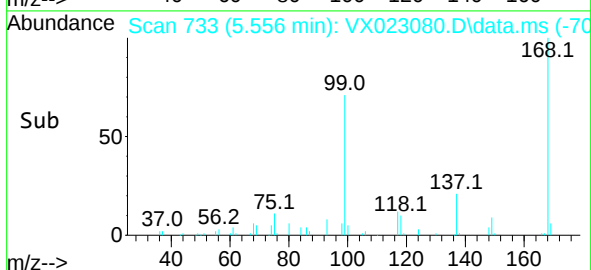
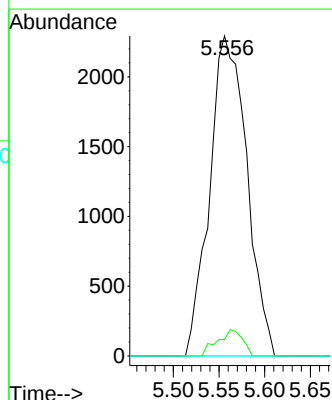
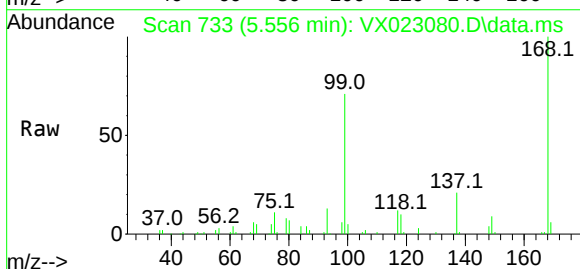
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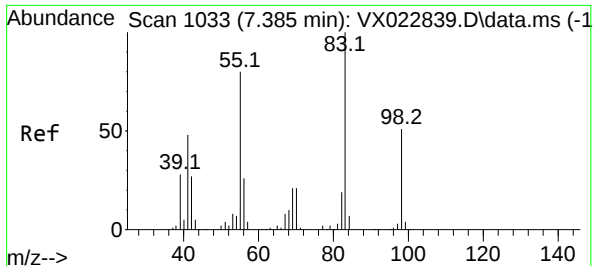
Tgt Ion: 75 Resp: 6006
Ion Ratio Lower Upper
75 100
110 4.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 117 Resp: 6489
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.457 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX023080.D

Acq: 01 Jul 2021 13:18

Tgt Ion: 83 Resp: 645

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

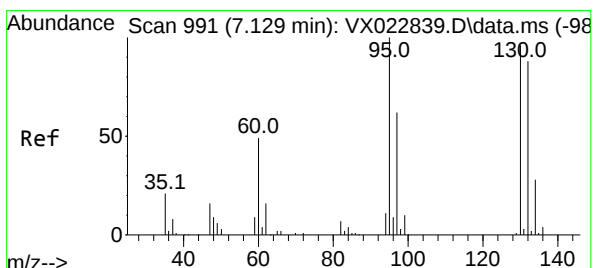
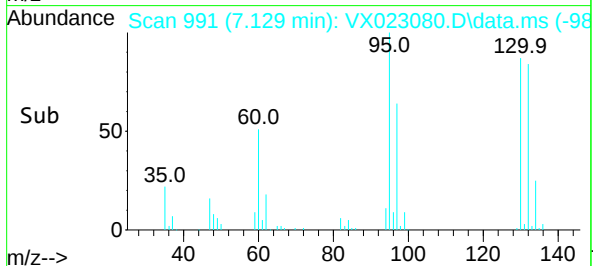
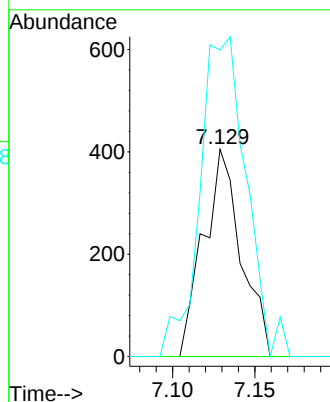
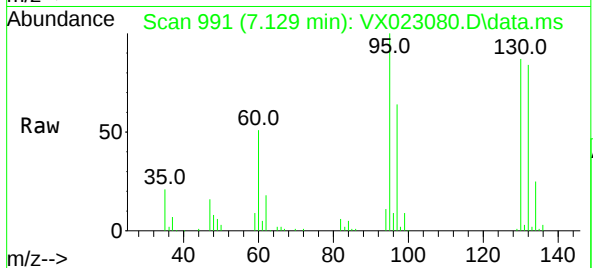
98 130.6 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

DUP09-20210622DL



#44

Trichloroethene

Concen: 56.608 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX023080.D

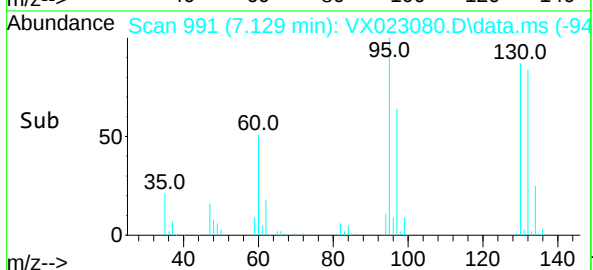
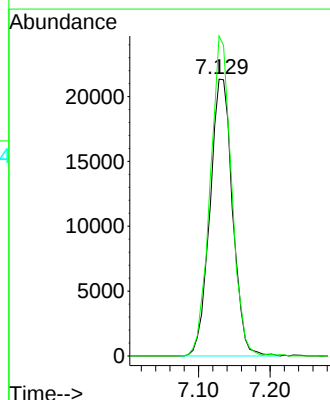
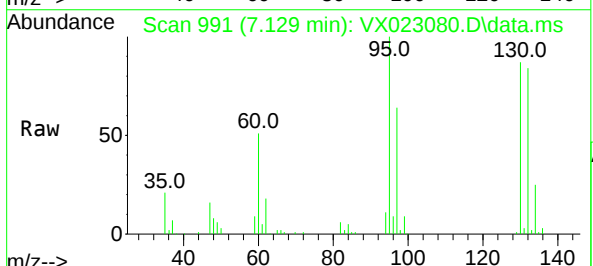
Acq: 01 Jul 2021 13:18

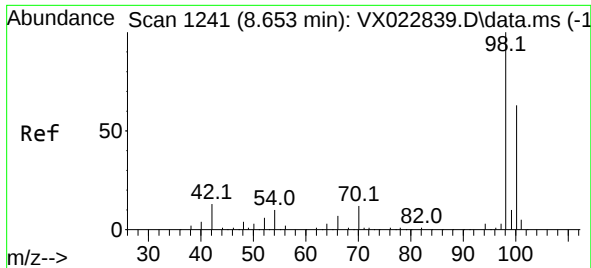
Tgt Ion:130 Resp: 46827

Ion Ratio Lower Upper

130 100

95 115.6 0.0 198.0

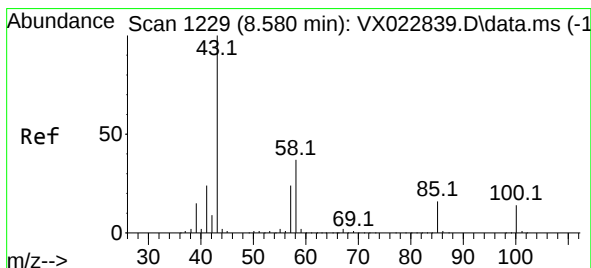
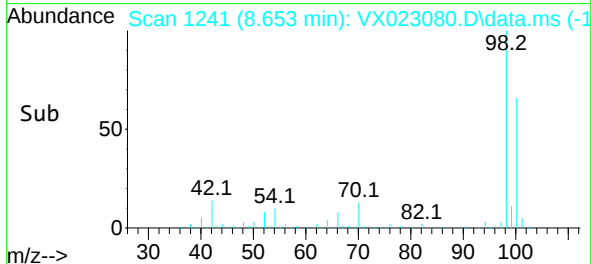
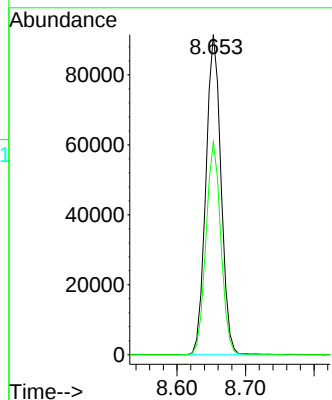
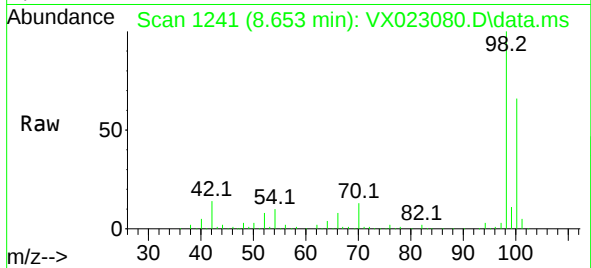




#50
Toluene-d8
Concen: 49.523 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

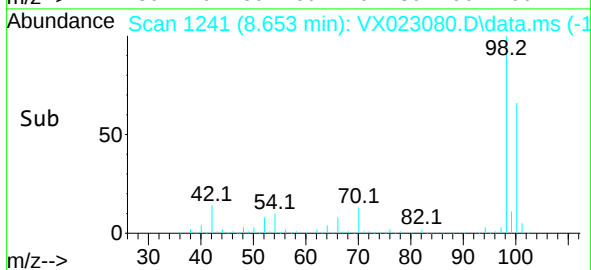
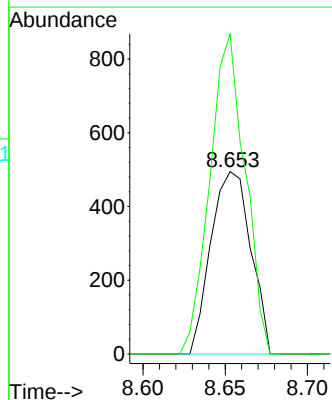
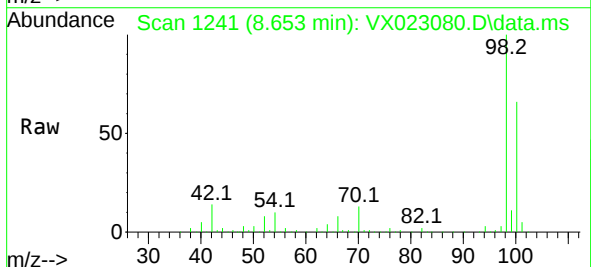
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622DL

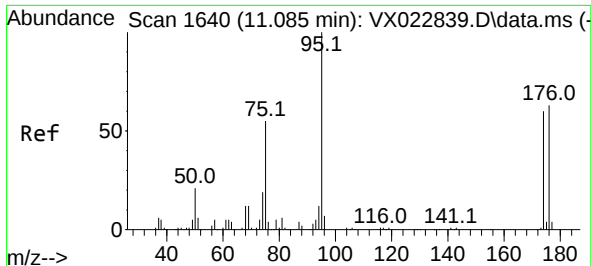
Tgt Ion: 98 Resp: 140370
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.596 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
58 154.9 35.4 53.0#

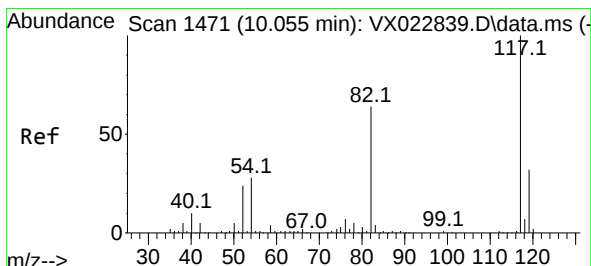
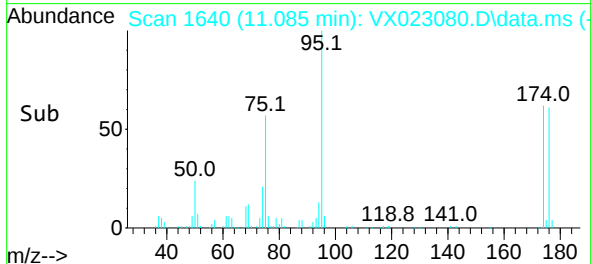
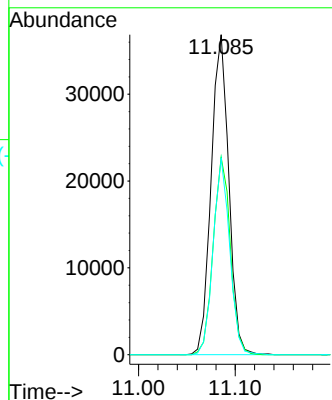
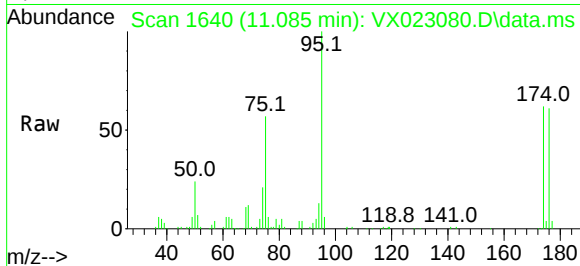




#62
4-Bromofluorobenzene
Concen: 44.108 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

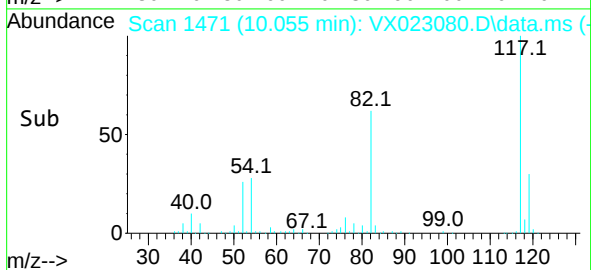
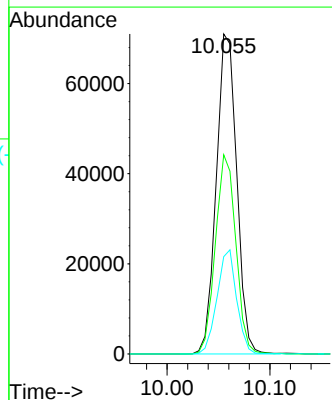
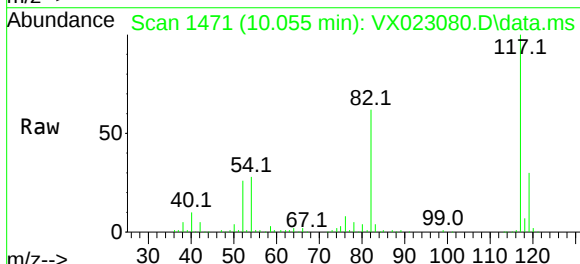
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622DL

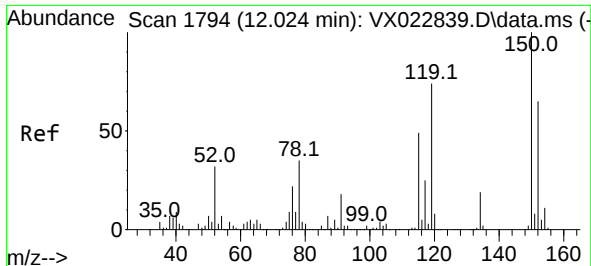
Tgt Ion: 95 Resp: 46659
Ion Ratio Lower Upper
95 100
174 59.9 0.0 154.6
176 57.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 117 Resp: 98231
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 30.4 26.6 39.8

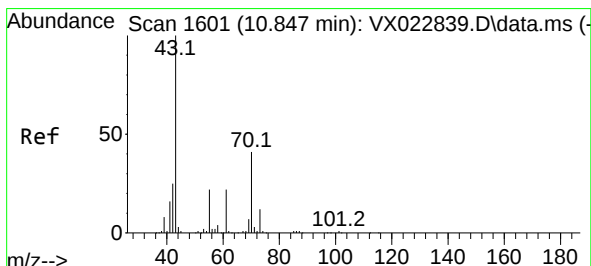
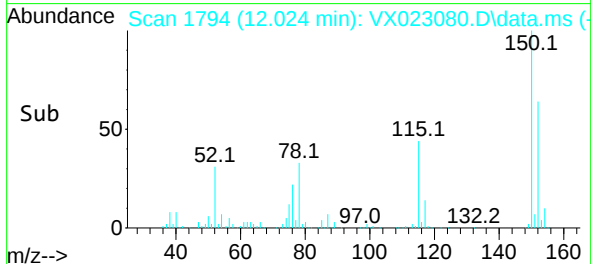
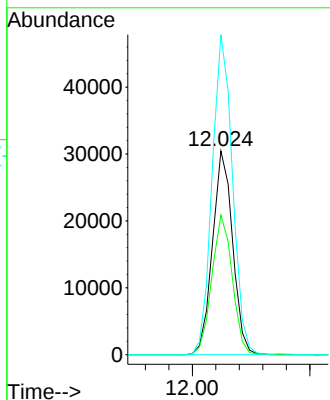
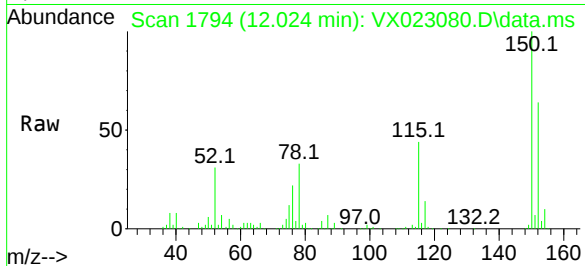




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

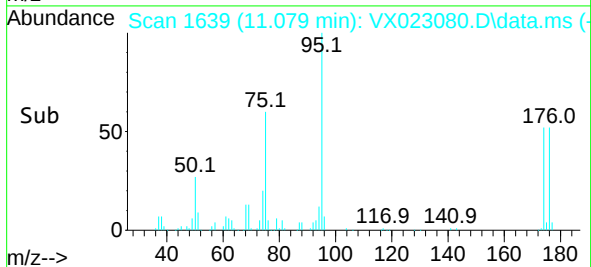
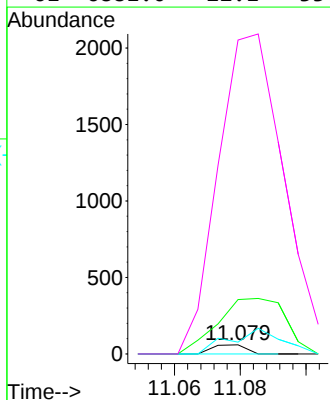
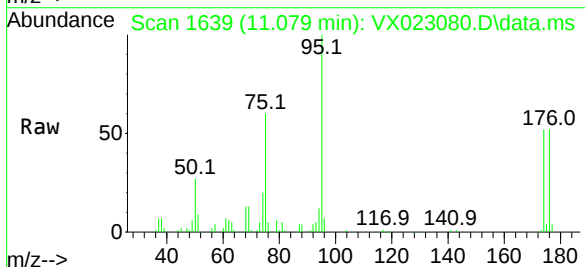
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622DL

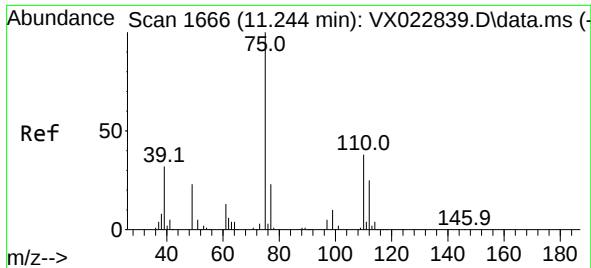
Tgt Ion:152 Resp: 36253
Ion Ratio Lower Upper
152 100
115 69.5 41.1 123.3
150 158.8 0.0 349.0



#74
N-ethyl acetate
Concen: 2.078 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.232 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
70 1235.7 39.0 58.6#
55 431.0 21.5 32.3#
61 6881.0 22.1 33.1#

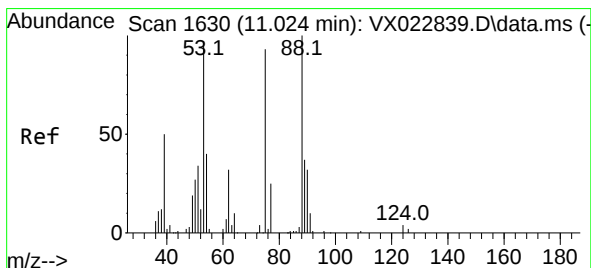
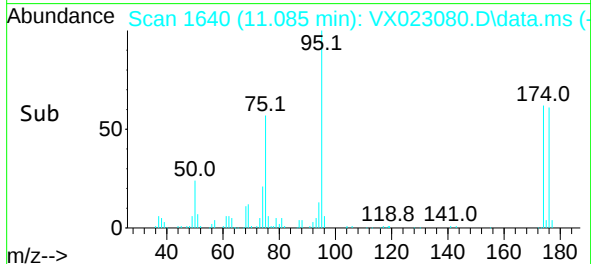
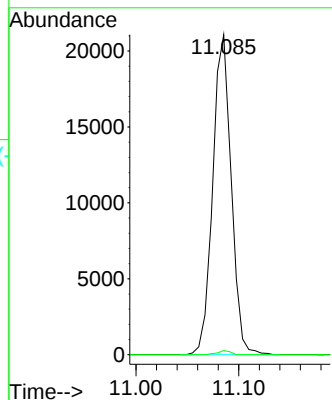
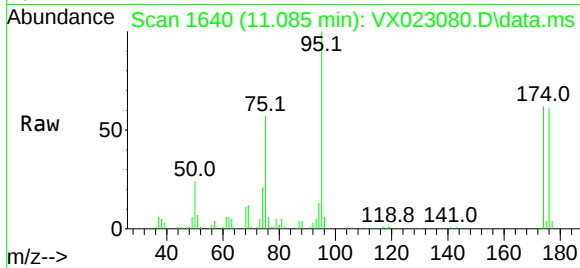




#76
1,2,3-Trichloropropane
Concen: 27.505 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

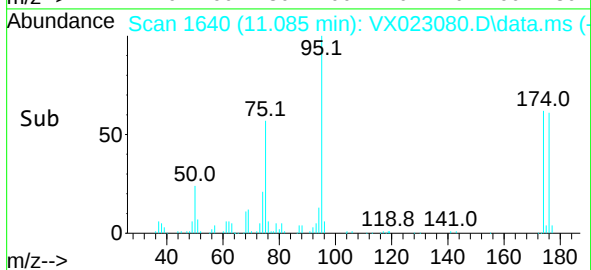
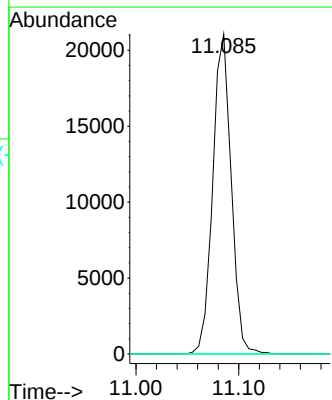
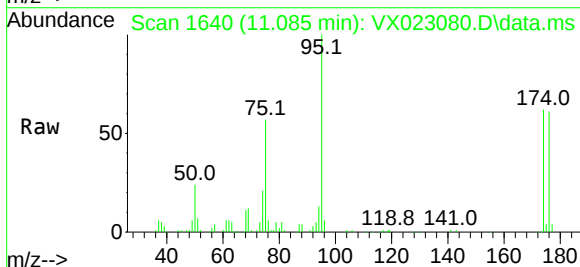
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622DL

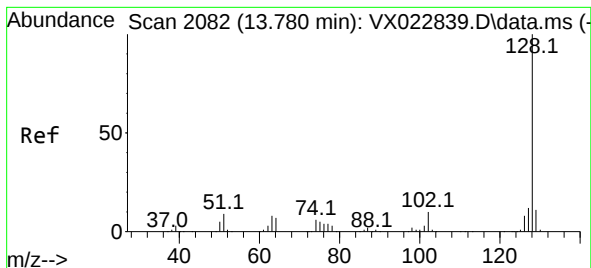
Tgt Ion: 75 Resp: 26338
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.128 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

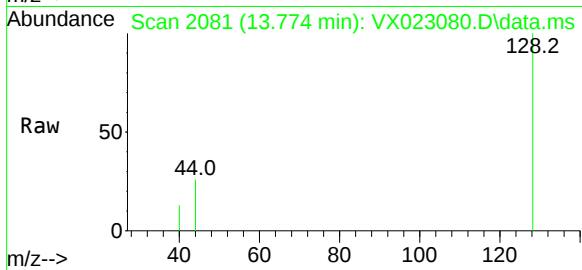
Tgt Ion: 75 Resp: 26338
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 2.072 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023080.D
Acq: 01 Jul 2021 13:18

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622DL



Tgt Ion:128 Resp: 460
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

