

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070121\
 Data File : VX023081.D
 Acq On : 01 Jul 2021 13:42
 Operator : JC/MD
 Sample : M2838-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP09-20210622

Quant Time: Jul 02 04:30:01 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)

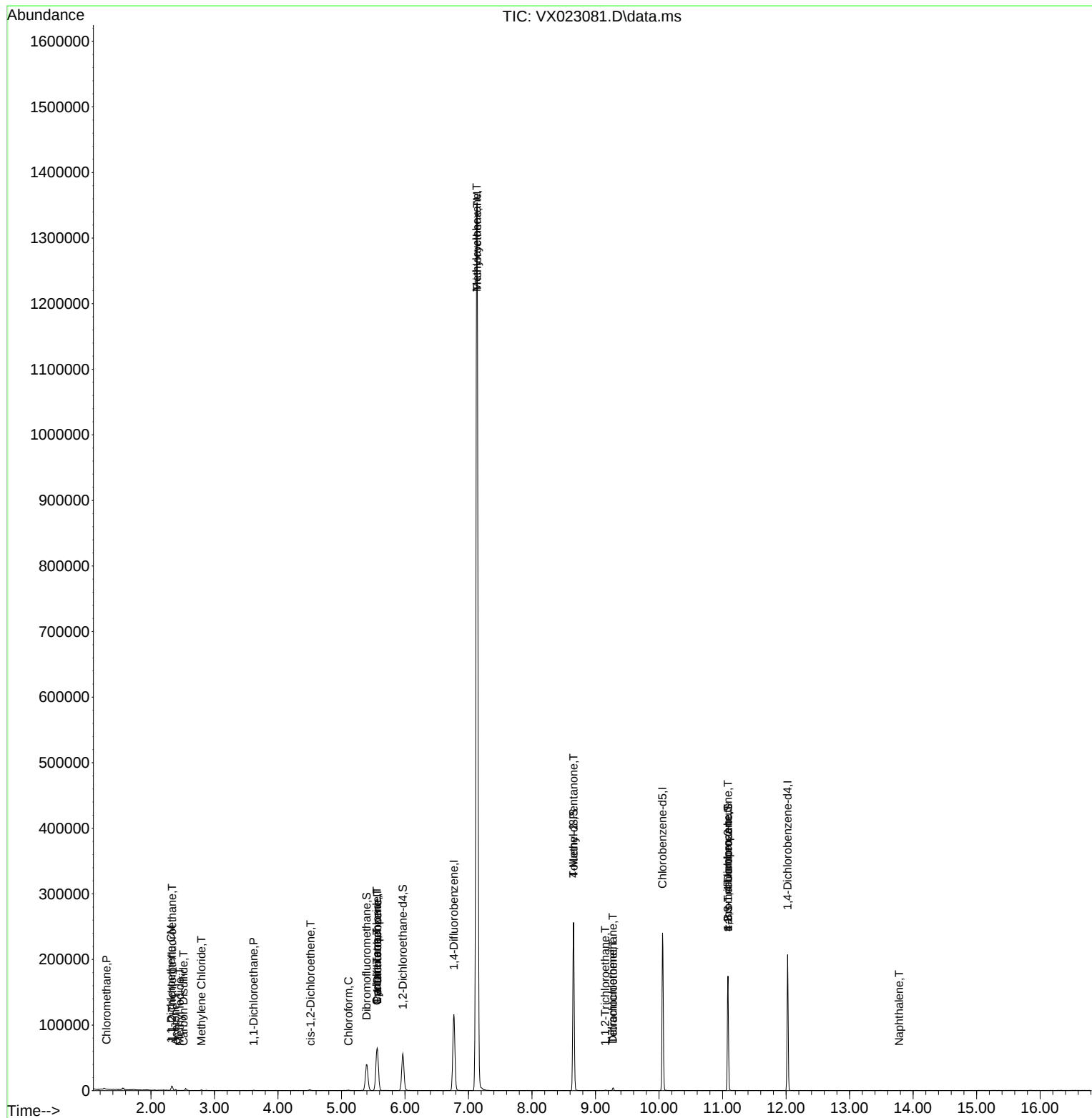
Internal Standards						
1) Pentafluorobenzene	5.562	168	53222	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	108733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	34104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52517	54.373	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.740%
35) Dibromofluoromethane	5.397	113	34325	49.712	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.420%
50) Toluene-d8	8.653	98	133396	49.294	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.580%
62) 4-Bromofluorobenzene	11.085	95	44550	44.111	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	170	0.206	ug/l	# 42
9) 1,1,2-Trichlorotrifluo...	2.331	101	2664	3.849	ug/l	87
10) Methyl Iodide	2.453	142	30	3.912	ug/l	# 42
12) 1,1-Dichloroethene	2.319	96	349	0.505	ug/l	# 84
16) Acetone	2.386	43	1522	3.554	ug/l	# 83
17) Carbon Disulfide	2.514	76	124	3.577	ug/l	# 75
20) Methylene Chloride	2.794	84	352	0.784	ug/l	# 68
24) 1,1-Dichloroethane	3.617	63	782	0.536	ug/l	# 81
27) cis-1,2-Dichloroethene	4.513	96	617	0.726	ug/l	77
30) Chloroform	5.111	83	879	0.599	ug/l	99
31) Cyclohexane	5.556	56	1855	1.360	ug/l	# 49
36) 1,1-Dichloropropene	5.562	75	5966	5.166	ug/l	# 46
38) Carbon Tetrachloride	5.556	117	6697	6.914	ug/l	# 16
39) Methylcyclohexane	7.129	83	6929	5.143	ug/l	# 1
44) Trichloroethene	7.135	130	443104	561.055	ug/l	83
51) 4-Methyl-2-Pentanone	8.653	43	843	0.630	ug/l	# 1
55) 1,1,2-Trichloroethane	9.153	97	352	0.436	ug/l	# 64
60) Dibromochloromethane	9.275	129	698	4.468	ug/l	# 11
64) Tetrachloroethene	9.275	164	565	0.843	ug/l	# 80
76) 1,2,3-Trichloropropane	11.085	75	26311	29.208	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	26311	75.129	ug/l	# 12
95) Naphthalene	13.780	128	34	1.934	ug/l	# 69

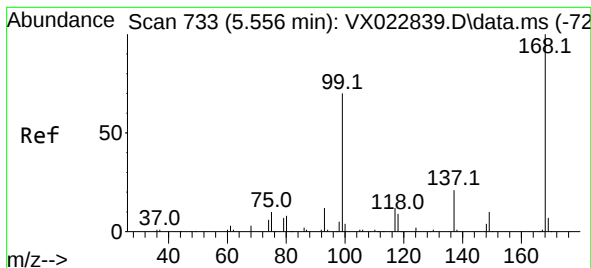
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX023081.D

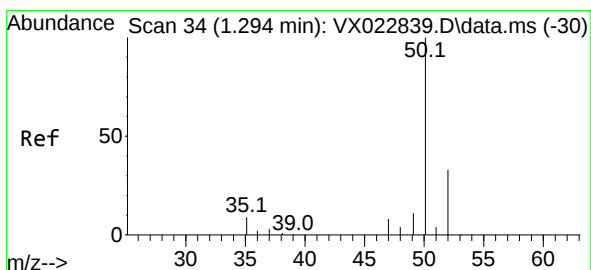
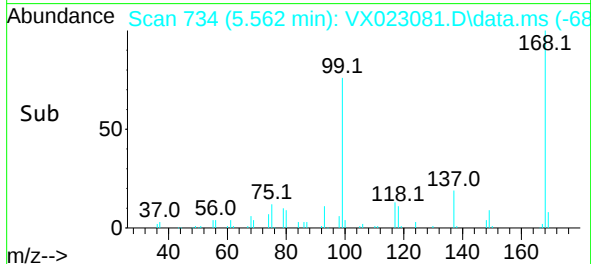
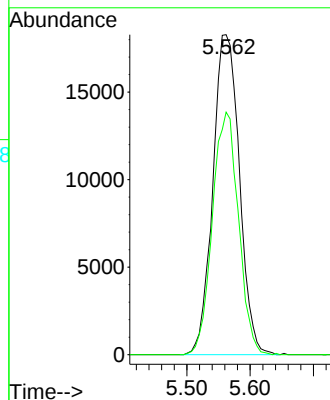
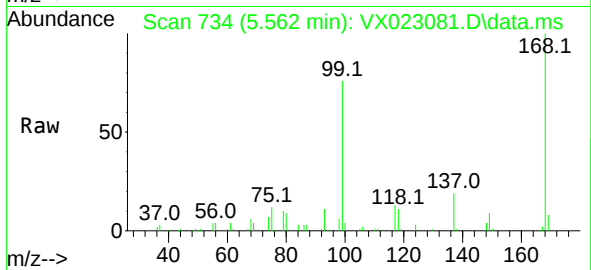
Acq: 01 Jul 2021 13:42

Tgt Ion:168 Resp: 53222

Ion Ratio Lower Upper

168 100

99 75.8 45.8 68.6#



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.007 min

Lab File: VX023081.D

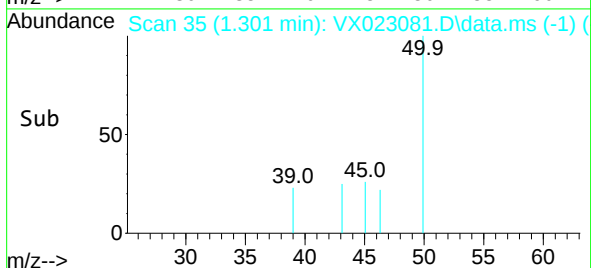
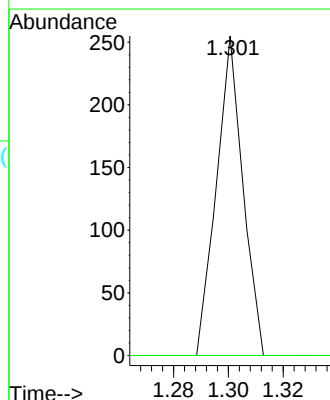
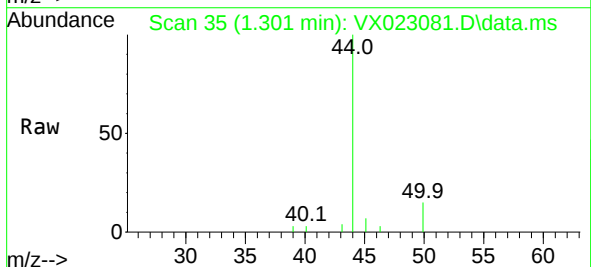
Acq: 01 Jul 2021 13:42

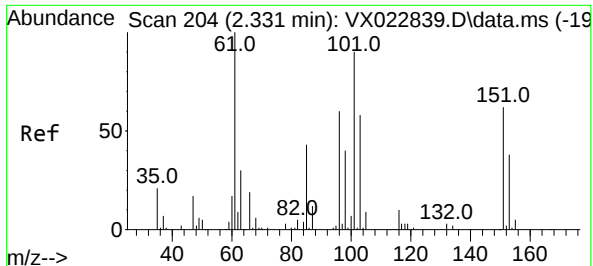
Tgt Ion: 50 Resp: 170

Ion Ratio Lower Upper

50 100

52 0.0 26.4 39.6#

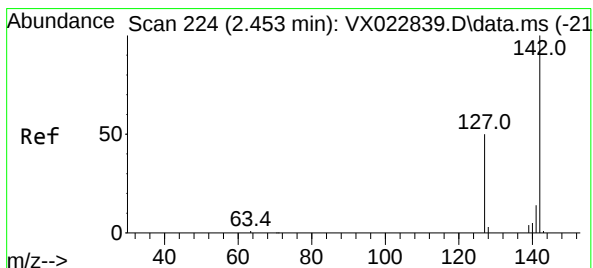
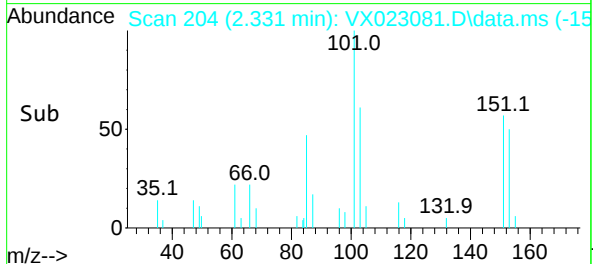
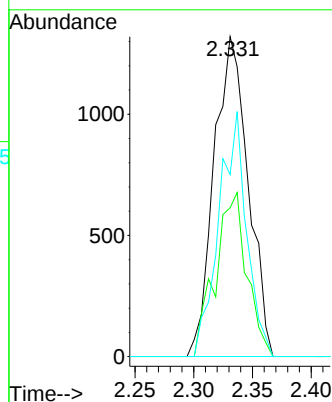
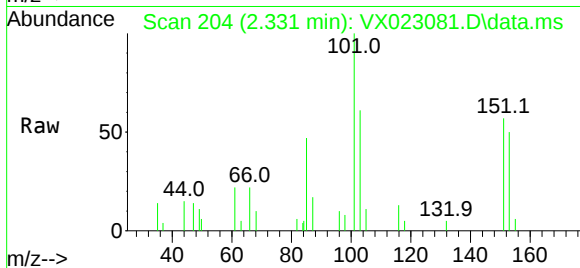




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.849 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

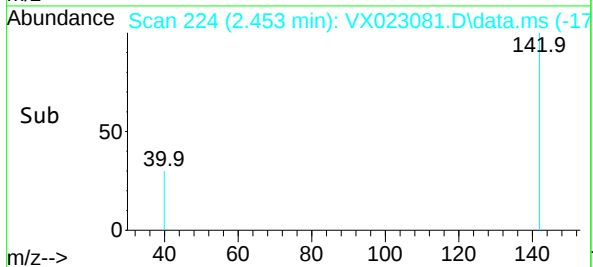
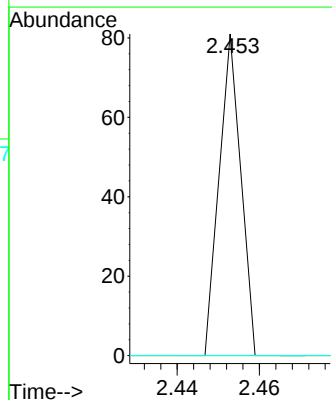
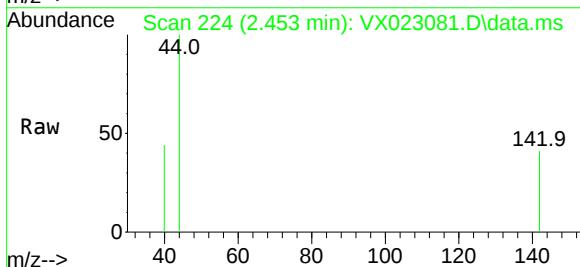
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

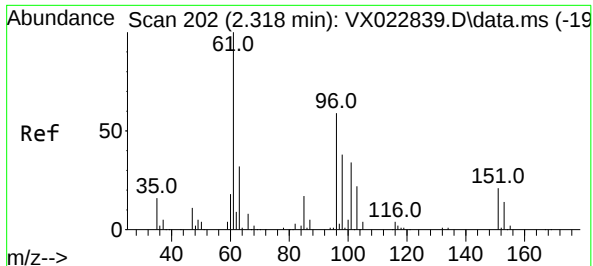
Tgt Ion:	101	Resp:	2664
Ion	Ratio	Lower	Upper
101	100		
85	47.3	34.9	52.3
151	62.5	61.4	92.2



#10
Methyl Iodide
Concen: 3.912 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion:	142	Resp:	30
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#





#12

1,1-Dichloroethene

Concen: 0.505 ug/l

RT: 2.319 min Scan# 202

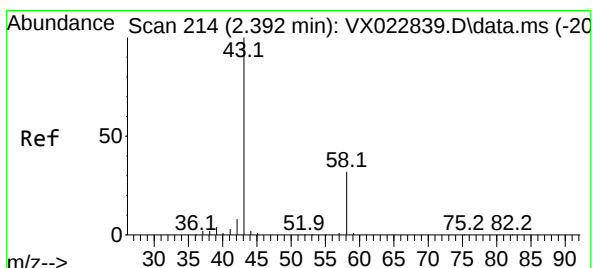
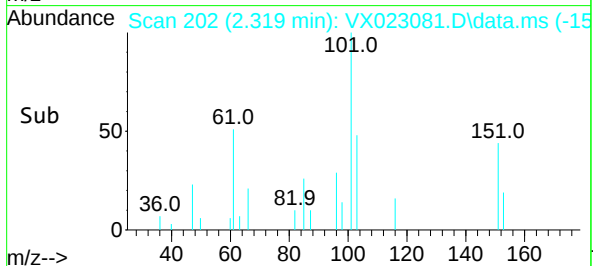
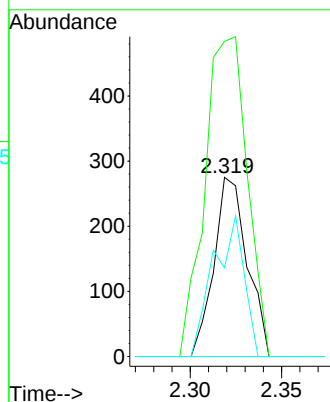
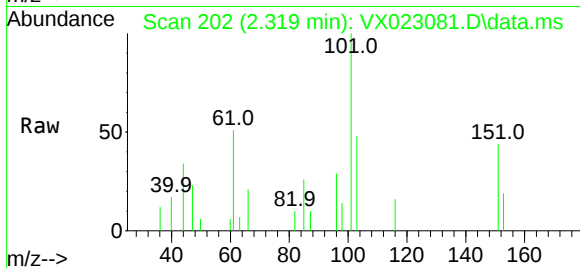
Delta R.T. 0.001 min

Lab File: VX023081.D

Acq: 01 Jul 2021 13:42

Tgt Ion:	96	Resp:	349
Ion	Ratio	Lower	Upper
96	100		
61	176.0	124.6	187.0
98	49.5	50.6	76.0#

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622



#16

Acetone

Concen: 3.554 ug/l

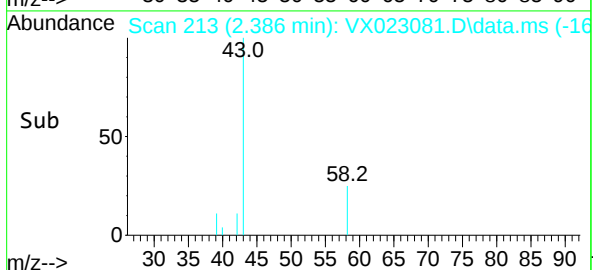
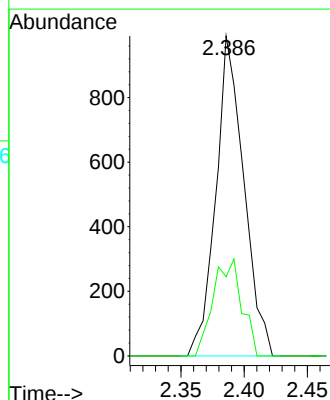
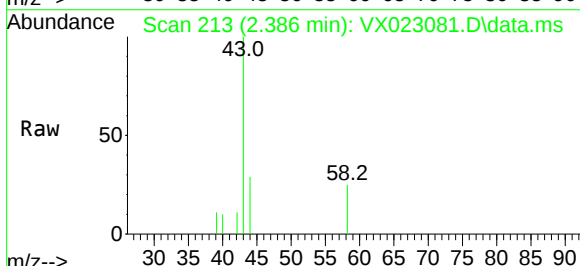
RT: 2.386 min Scan# 213

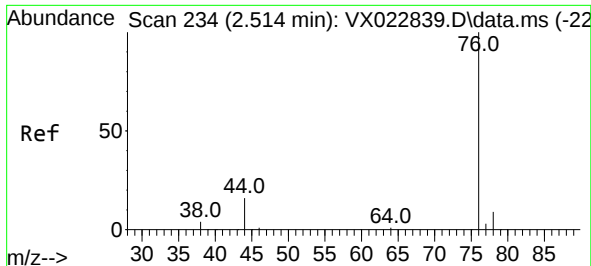
Delta R.T. -0.006 min

Lab File: VX023081.D

Acq: 01 Jul 2021 13:42

Tgt Ion:	43	Resp:	1522
Ion	Ratio	Lower	Upper
43	100		
58	24.7	27.8	41.8#

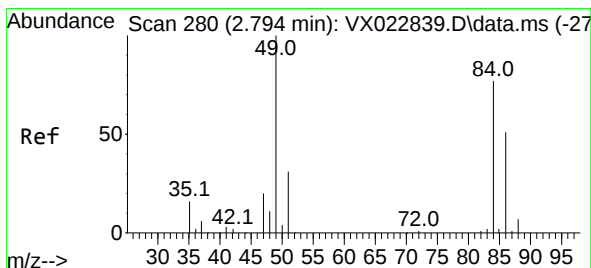
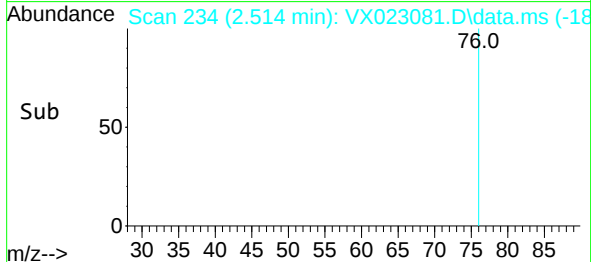
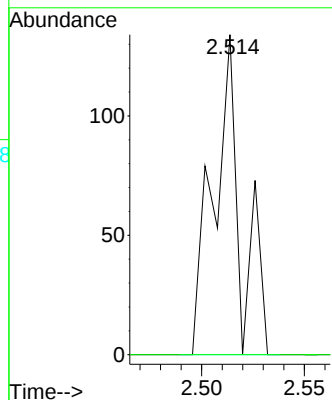
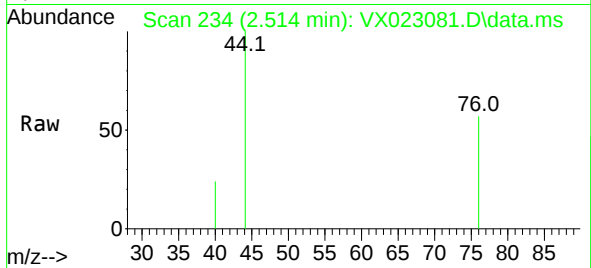




#17
Carbon Disulfide
Concen: 3.577 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

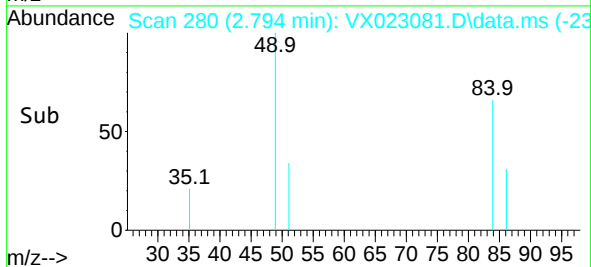
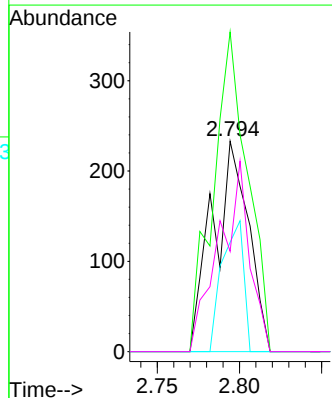
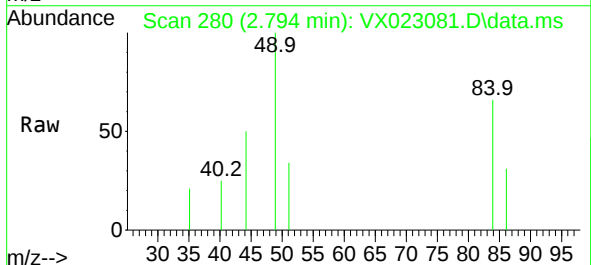
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

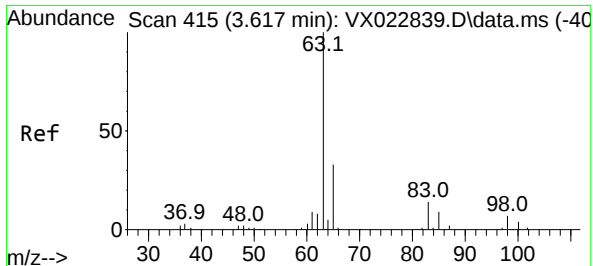
Tgt Ion: 76 Resp: 124
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.784 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 84 Resp: 352
Ion Ratio Lower Upper
84 100
49 151.9 88.6 132.8#
51 51.9 27.0 40.6#
86 47.6 50.3 75.5#

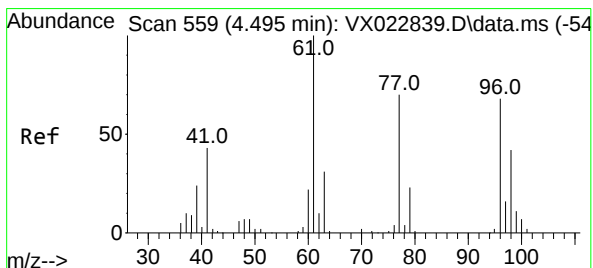
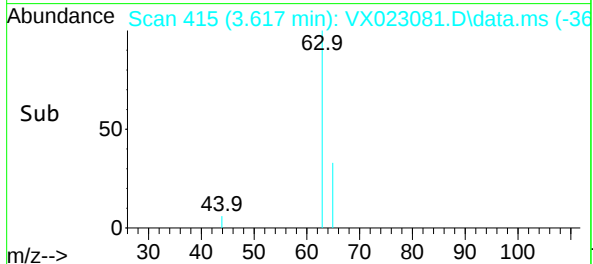
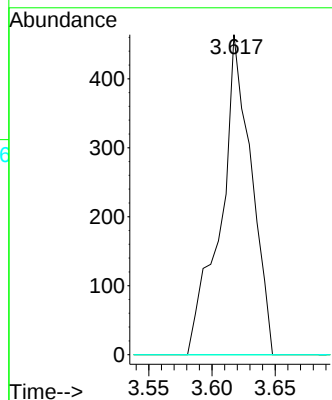
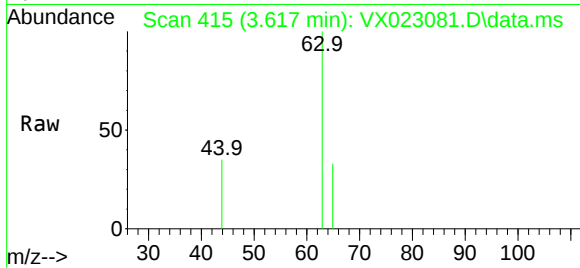




#24
1,1-Dichloroethane
Concen: 0.536 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

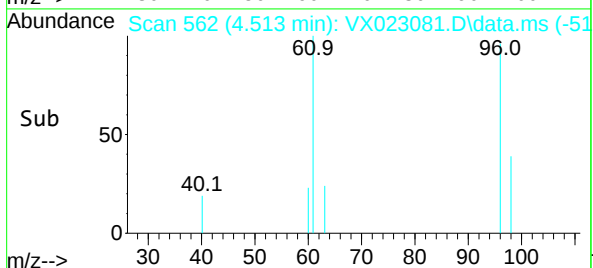
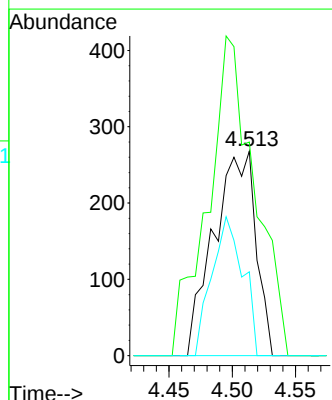
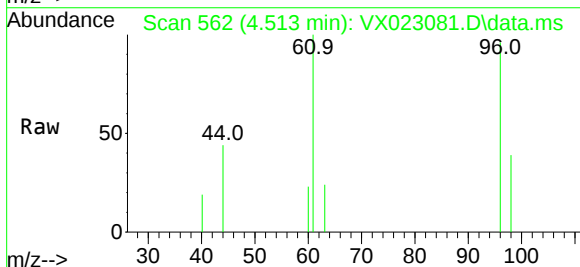
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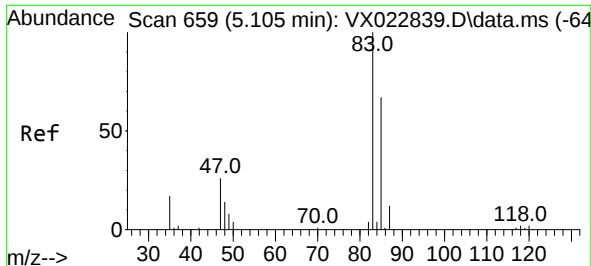
Tgt Ion: 63 Resp: 782
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.726 ug/l
RT: 4.513 min Scan# 562
Delta R.T. 0.018 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 96 Resp: 617
Ion Ratio Lower Upper
96 100
61 173.9 0.0 285.6
98 50.6 0.0 129.6

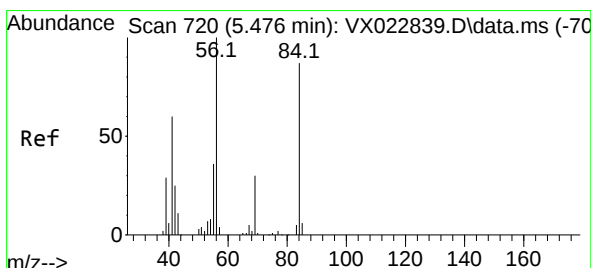
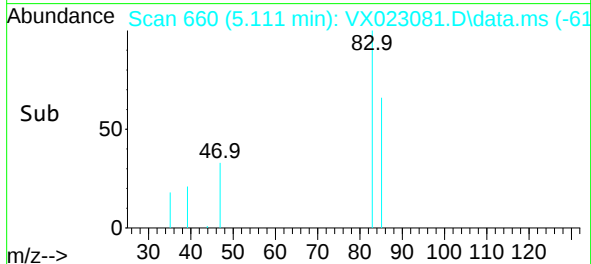
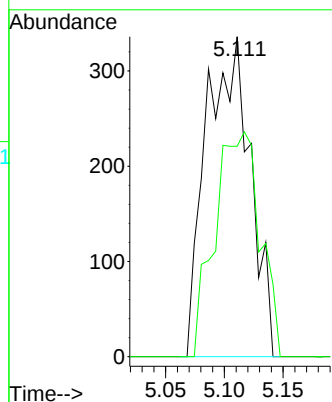
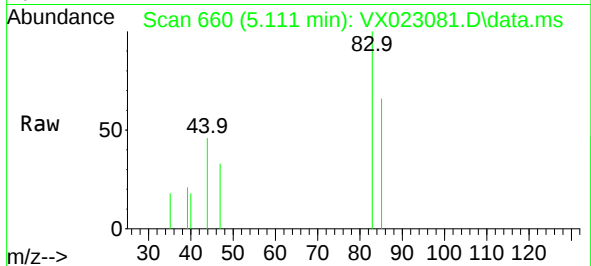




#30
Chloroform
Concen: 0.599 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

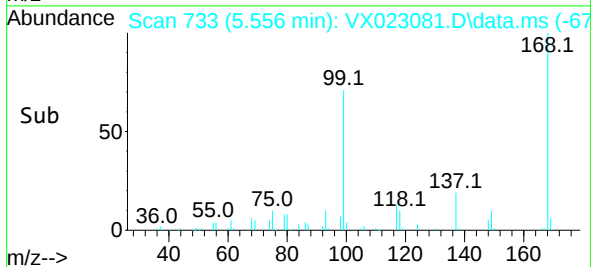
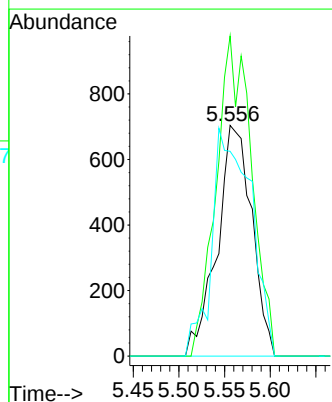
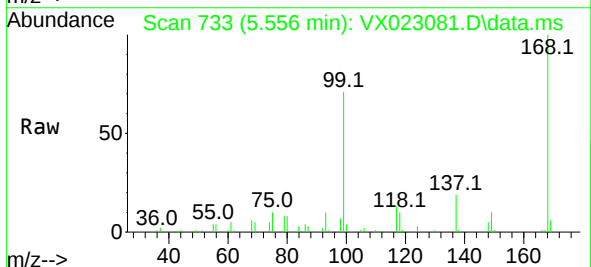
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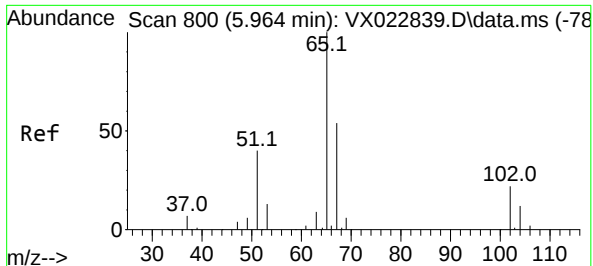
Tgt Ion: 83 Resp: 879
Ion Ratio Lower Upper
83 100
85 65.8 52.0 78.0



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 56 Resp: 1855
Ion Ratio Lower Upper
56 100
69 138.8 25.3 37.9#
84 88.8 71.4 107.0



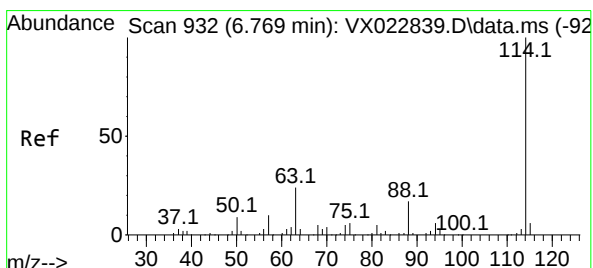
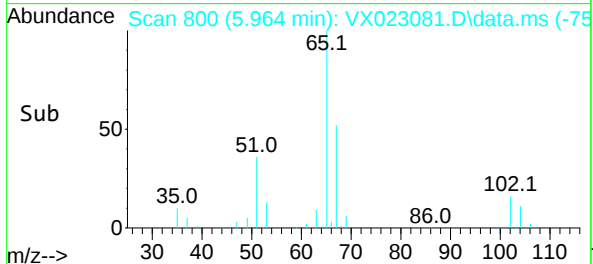
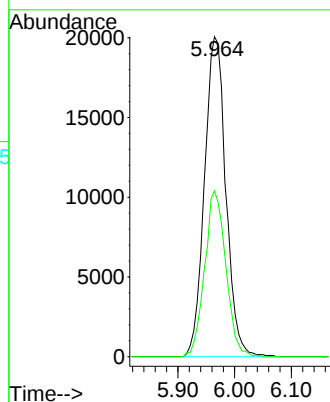
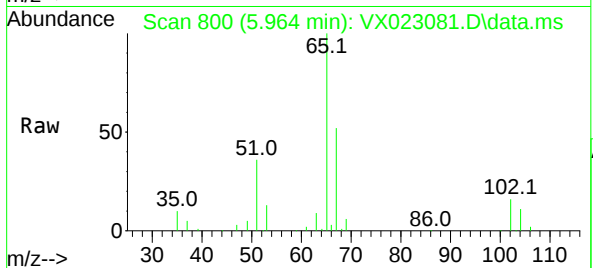


#33

1,2-Dichloroethane-d4
Concen: 54.373 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Instrument :
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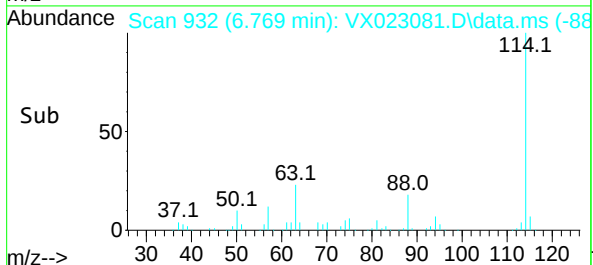
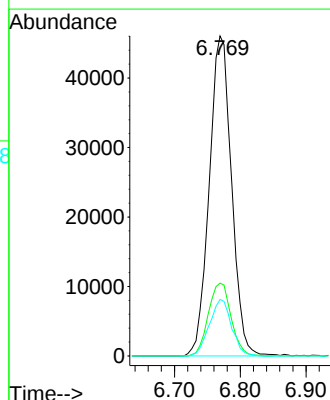
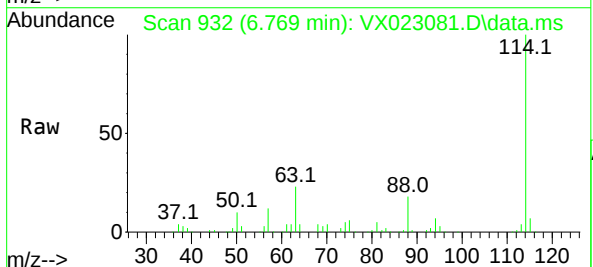
Tgt Ion: 65 Resp: 52517
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

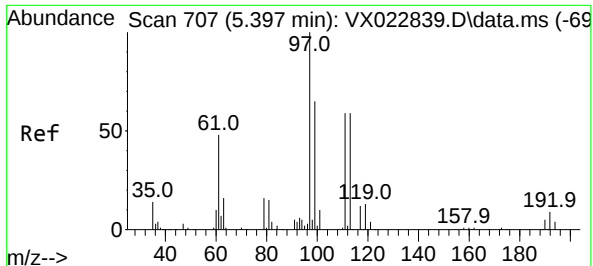


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 114 Resp: 108733
Ion Ratio Lower Upper
114 100
63 22.8 0.0 40.8
88 17.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.712 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023081.D

Acq: 01 Jul 2021 13:42

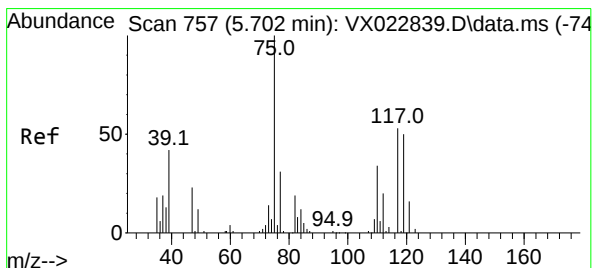
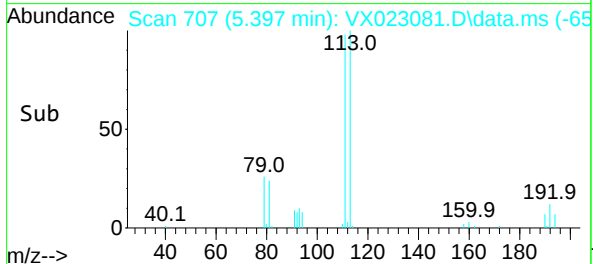
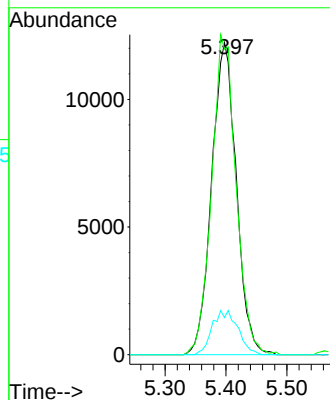
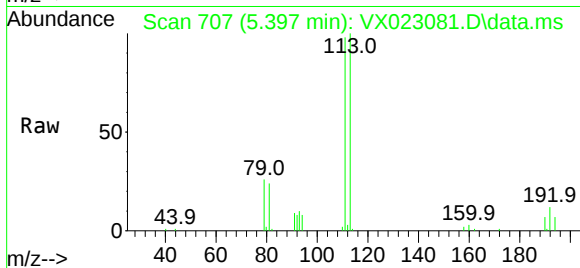
Tgt Ion:113 Resp: 34325

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

192 14.8 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.166 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023081.D

Acq: 01 Jul 2021 13:42

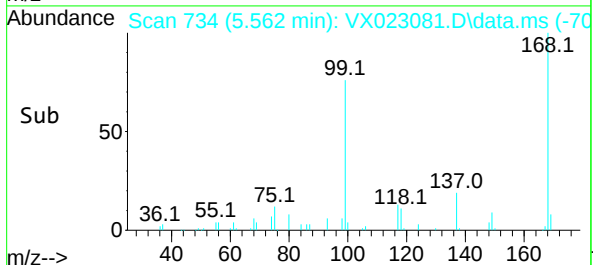
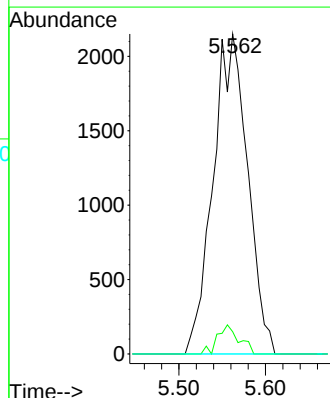
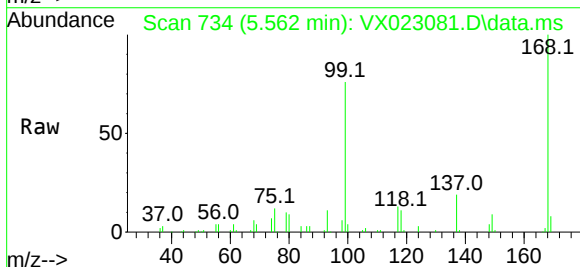
Tgt Ion: 75 Resp: 5966

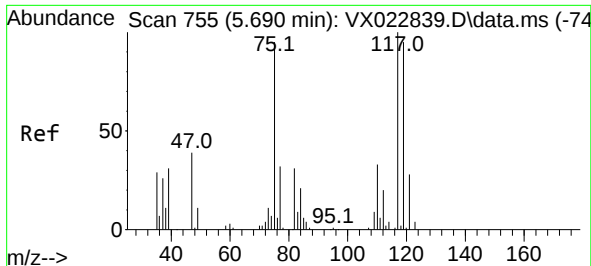
Ion Ratio Lower Upper

75 100

110 5.6 18.1 54.4#

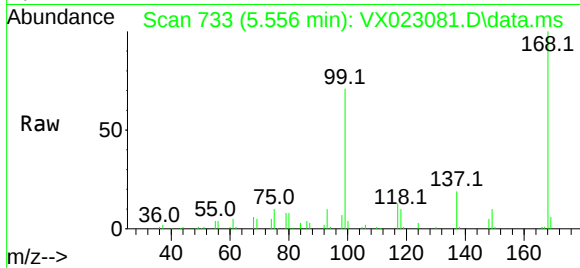
77 0.0 25.3 37.9#



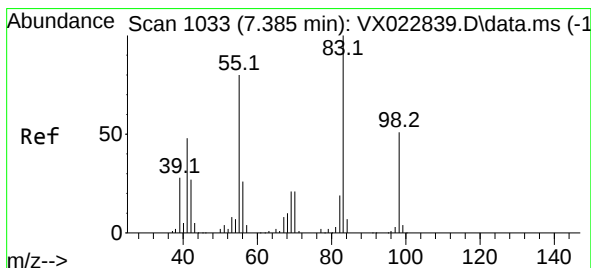
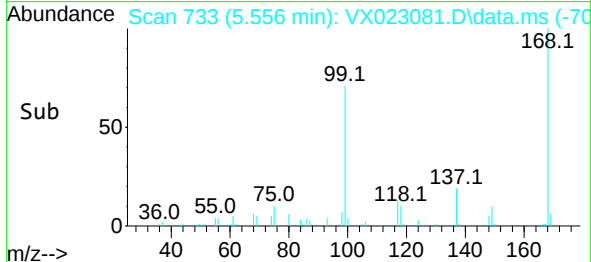
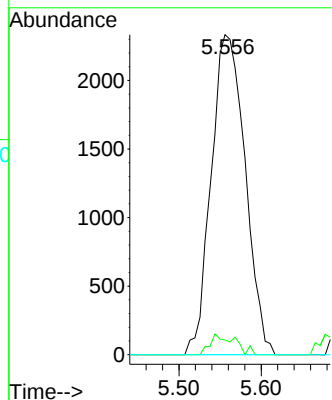


#38
Carbon Tetrachloride
Concen: 6.914 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

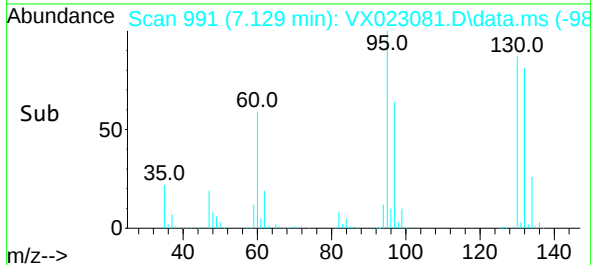
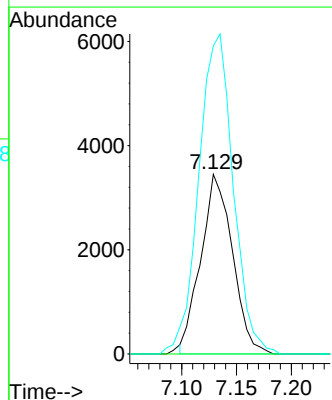
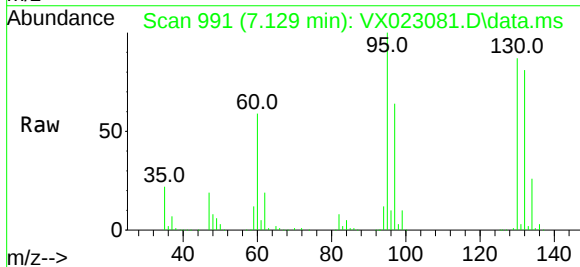


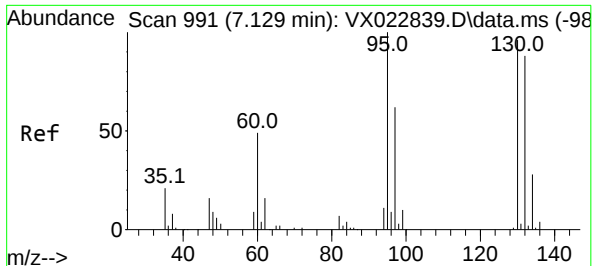
Tgt Ion:117 Resp: 6697
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 5.143 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 83 Resp: 6929
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 171.4 38.1 57.1#

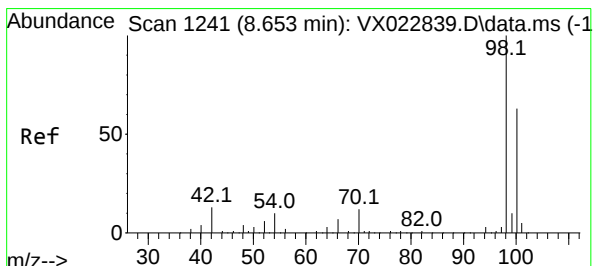
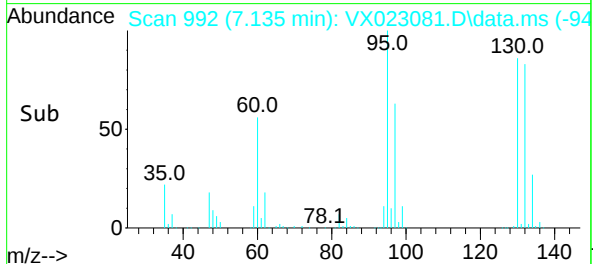
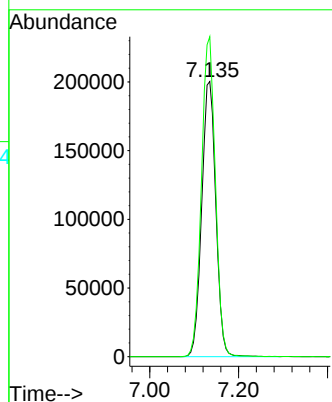
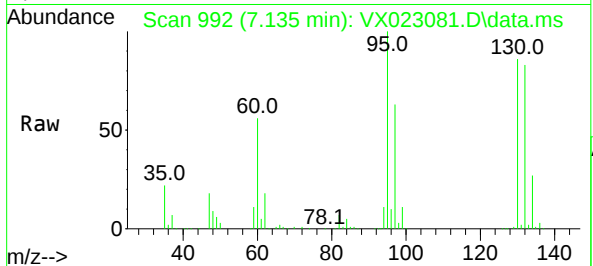




#44
Trichloroethene
Concen: 561.055 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

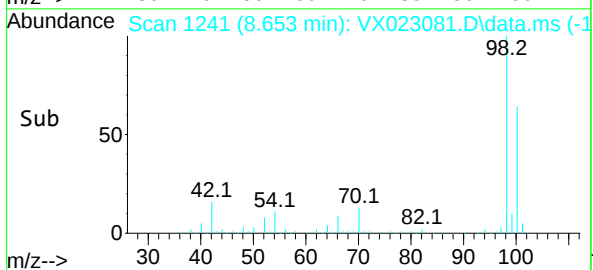
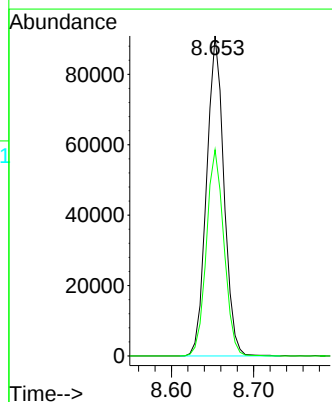
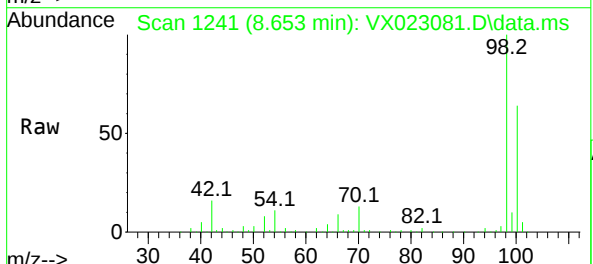
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

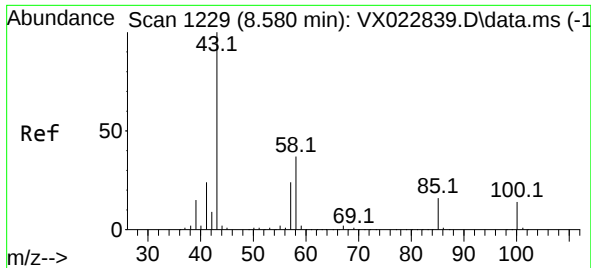
Tgt Ion:130 Resp: 443104
Ion Ratio Lower Upper
130 100
95 116.3 0.0 198.0



#50
Toluene-d8
Concen: 49.294 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 98 Resp: 133396
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

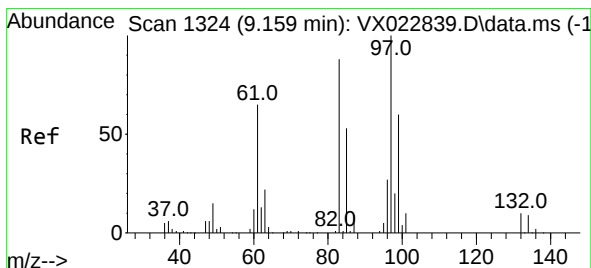
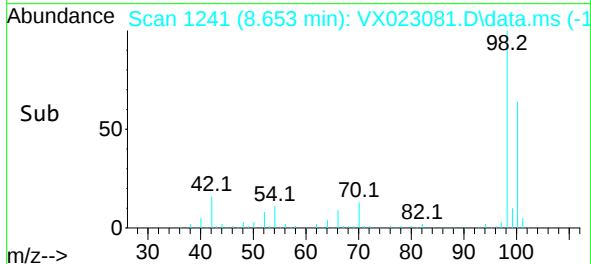
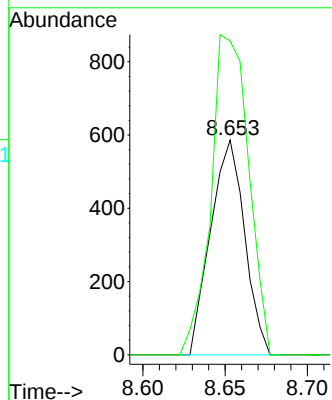
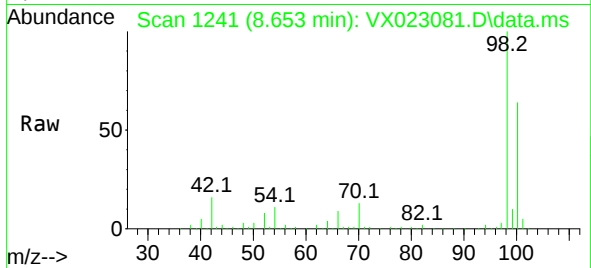




#51
4-Methyl-2-Pentanone
Concen: 0.630 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

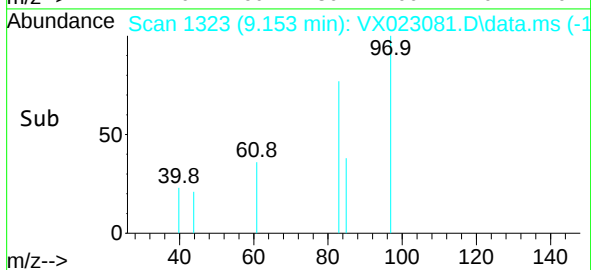
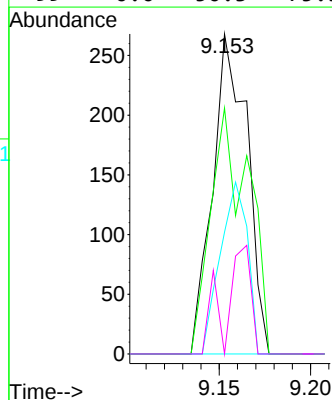
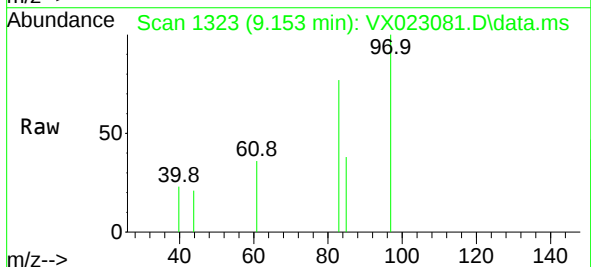
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

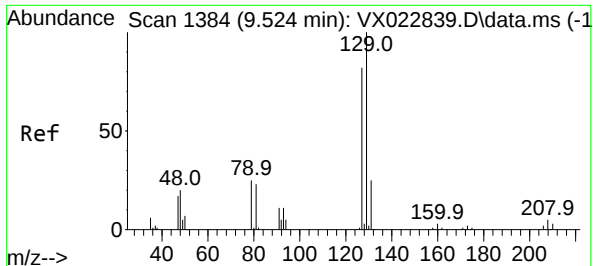
Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 164.9 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.436 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 97 Resp: 352
Ion Ratio Lower Upper
97 100
83 76.9 69.3 103.9
85 38.1 44.3 66.5#
99 0.0 50.3 75.5#

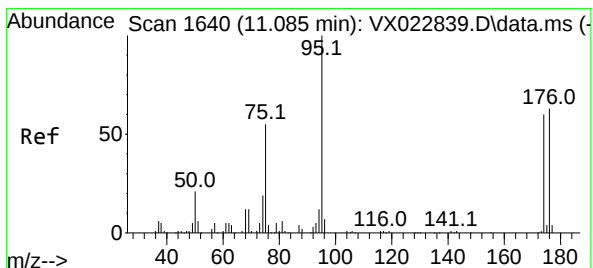
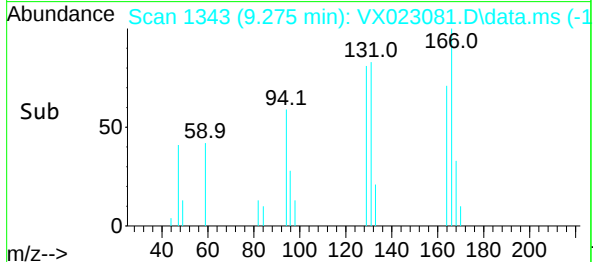
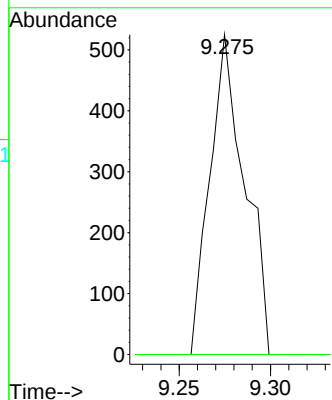
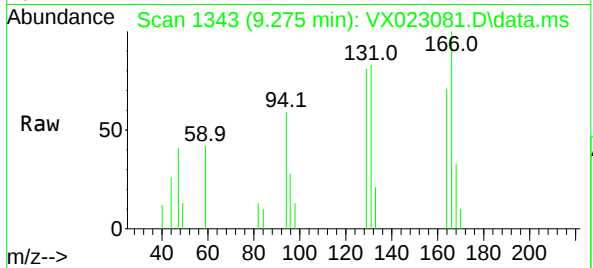




#60
Dibromochloromethane
Concen: 4.468 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

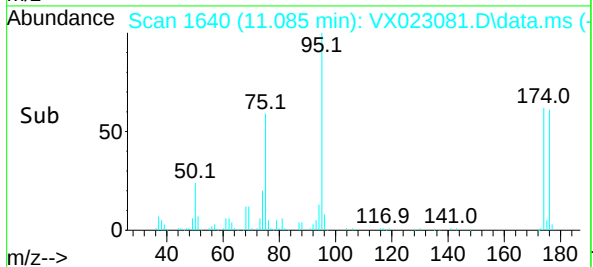
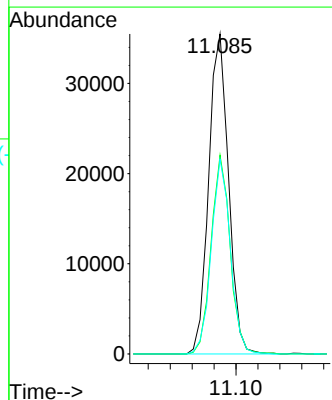
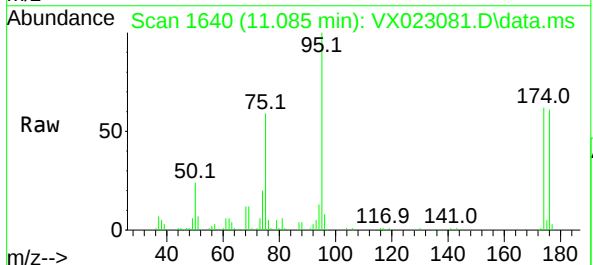
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

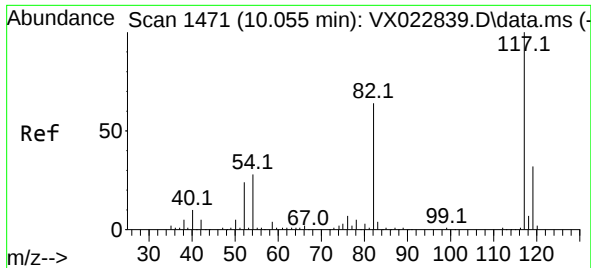
Tgt Ion:129 Resp: 698
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.111 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 95 Resp: 44550
Ion Ratio Lower Upper
95 100
174 59.7 0.0 154.6
176 58.6 0.0 155.8

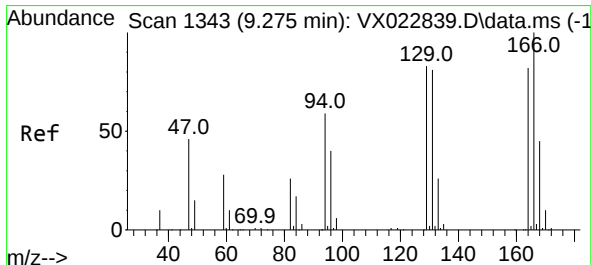
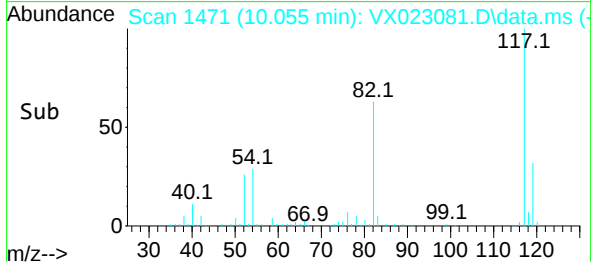
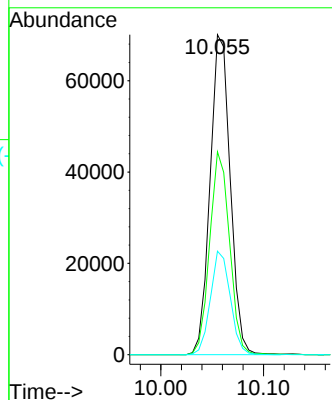
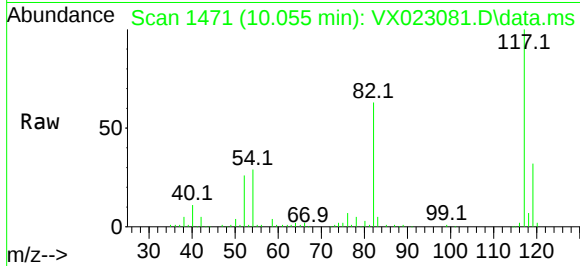




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

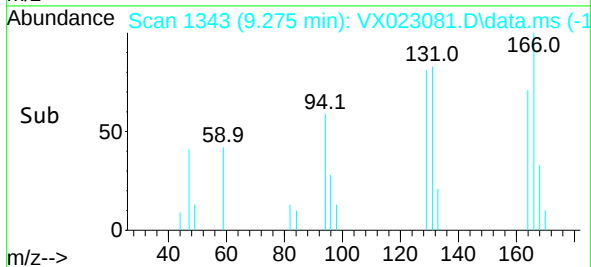
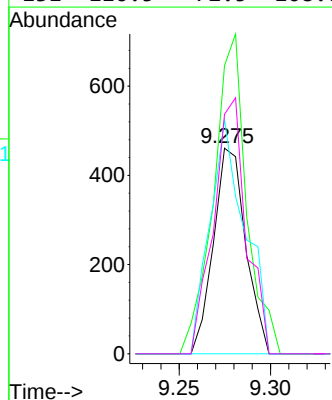
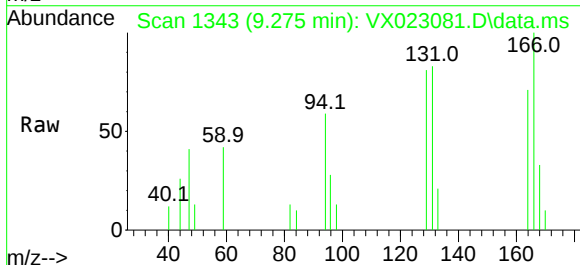
Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

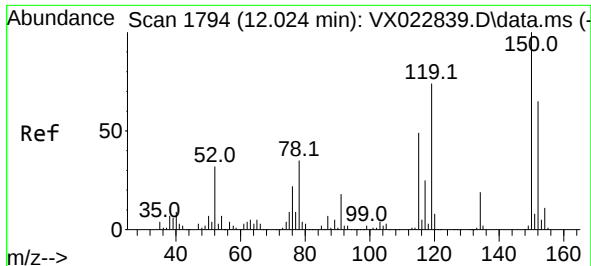
Tgt Ion:117	Resp:	95338
Ion	Ratio	Lower Upper
117	100	
82	63.4	47.4 71.2
119	32.4	26.6 39.8



#64
Tetrachloroethene
Concen: 0.843 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion:164	Resp:	565
Ion	Ratio	Lower Upper
164	100	
166	140.1	103.4 155.2
129	113.9	70.8 106.2#
131	116.5	72.5 108.7#

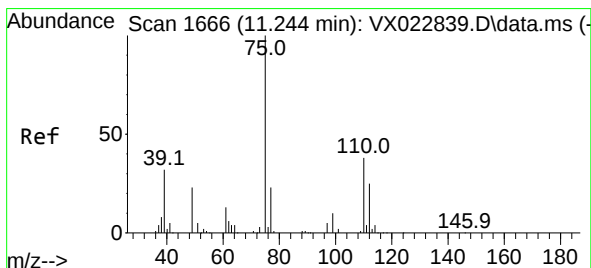
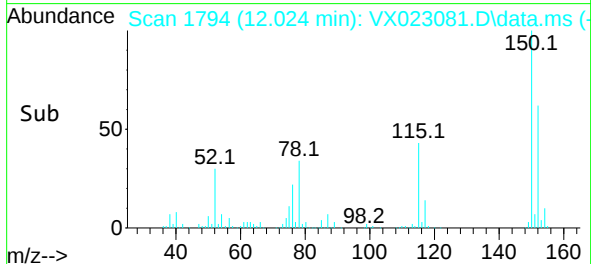
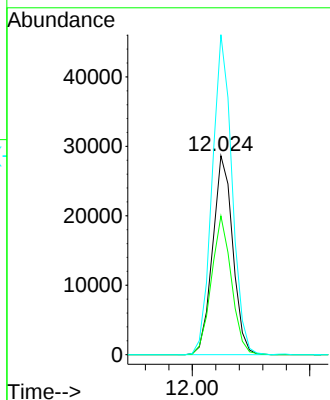
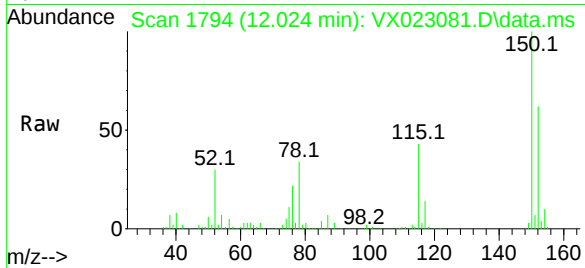




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023081.D
 Acq: 01 Jul 2021 13:42

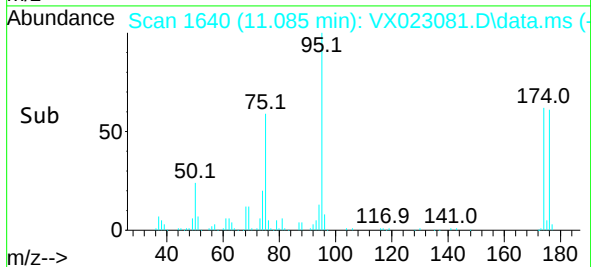
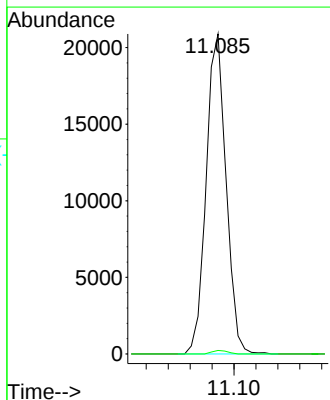
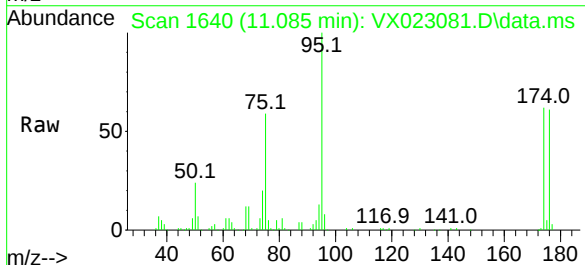
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP09-20210622

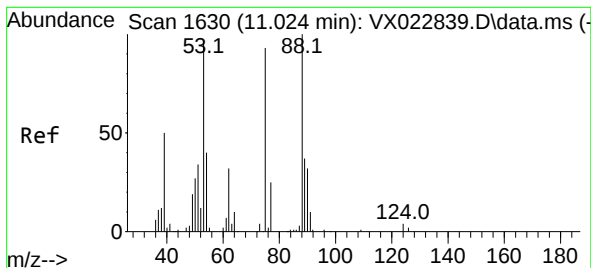
Tgt Ion:152 Resp: 34104
 Ion Ratio Lower Upper
 152 100
 115 69.1 41.1 123.3
 150 158.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.208 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023081.D
 Acq: 01 Jul 2021 13:42

Tgt Ion: 75 Resp: 26311
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

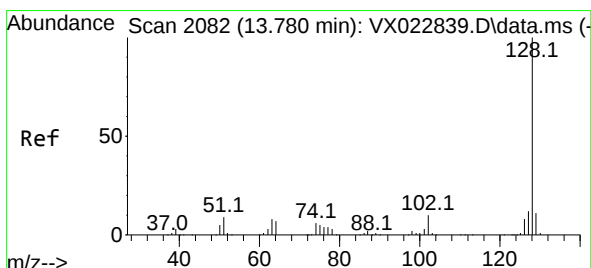
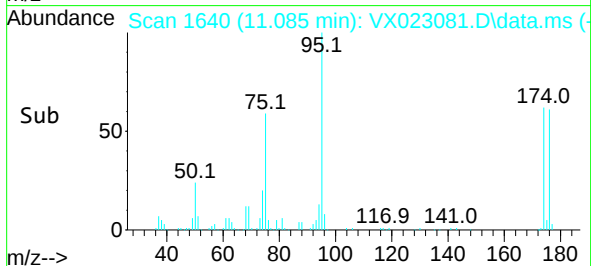
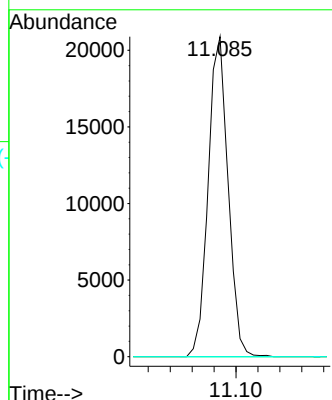
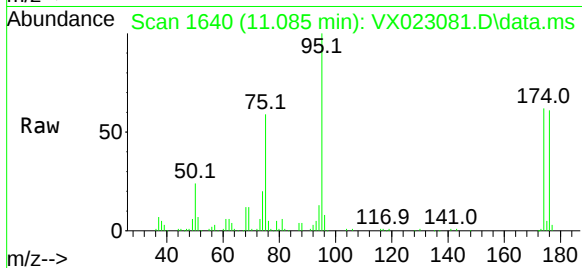




#81
trans-1,4-Dichloro-2-butene
Concen: 75.129 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Instrument :
MSVOA_X
ClientSampleId :
DUP09-20210622

Tgt Ion: 75 Resp: 26311
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.934 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023081.D
Acq: 01 Jul 2021 13:42

Tgt Ion: 128 Resp: 34
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

