

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061721\
 Data File : VX022742.D
 Acq On : 17 Jun 2021 15:51
 Operator : JC/MD
 Sample : M2750-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20210615

Quant Time: Jun 18 01:17:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

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

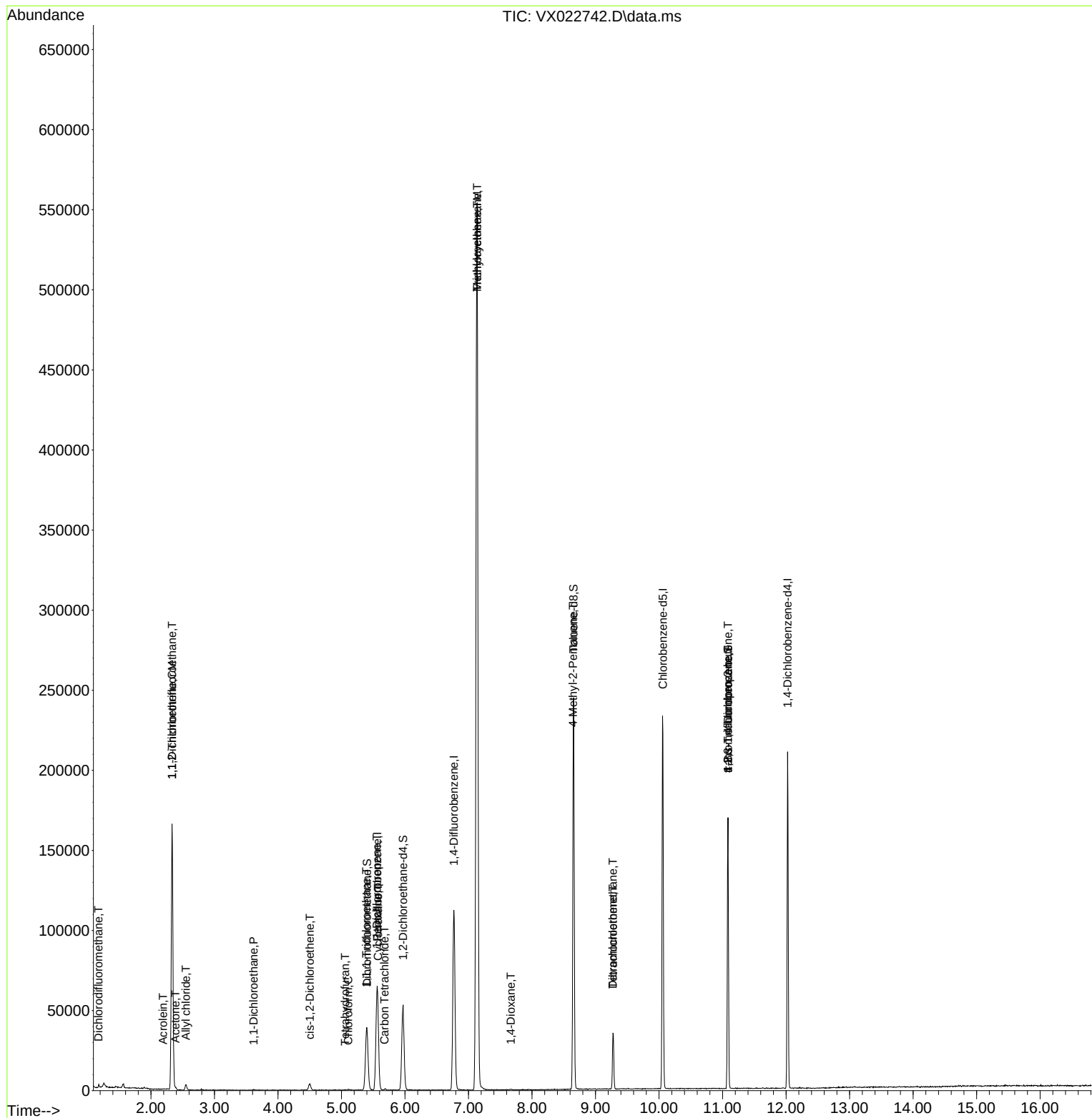
Internal Standards						
1) Pentafluorobenzene	5.562	168	54703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	110226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	98272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36525	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	47197	47.97	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.94%		
35) Dibromofluoromethane	5.403	113	33142	47.13	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.26%		
50) Toluene-d8	8.653	98	135381	48.83	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.66%		
62) 4-Bromofluorobenzene	11.085	95	45310	43.21	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.42%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	301	0.47	ug/l #	68
9) 1,1,2-Trichlorotrifluo...	2.331	101	64395	96.17	ug/l	90
12) 1,1-Dichloroethene	2.331	96	806	1.21	ug/l #	73
13) Acrolein	2.190	56	24	0.25	ug/l #	14
14) Allyl chloride	2.550	41	367	0.29	ug/l #	43
16) Acetone	2.385	43	1145	2.60	ug/l #	76
20) Methylene Chloride	2.794	84	170	Below Cal	#	8
24) 1,1-Dichloroethane	3.617	63	364	0.25	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	2358	2.63	ug/l	96
29) Tetrahydrofuran	5.056	42	138	0.33	ug/l #	27
30) Chloroform	5.104	83	448	0.30	ug/l #	63
31) Cyclohexane	5.574	56	1677	1.41	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	22	0.92	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	5516	5.02	ug/l #	45
38) Carbon Tetrachloride	5.678	117	374	0.40	ug/l #	54
39) Methylcyclohexane	7.135	83	2725	2.38	ug/l #	1
44) Trichloroethene	7.135	130	190691	248.61	ug/l	90
49) 1,4-Dioxane	7.665	88	291	14.45	ug/l #	46
51) 4-Methyl-2-Pentanone	8.646	43	724	0.52	ug/l #	1
60) Dibromochloromethane	9.274	129	5979	10.02	ug/l #	11
64) Tetrachloroethene	9.274	164	5360	8.62	ug/l #	80
76) 1,2,3-Trichloropropane	11.085	75	24371	25.17	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	24371	63.32	ug/l #	12

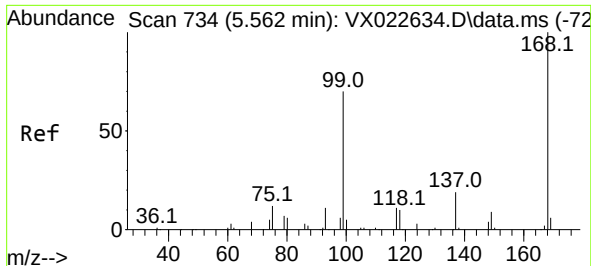
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
DUP01-20210615

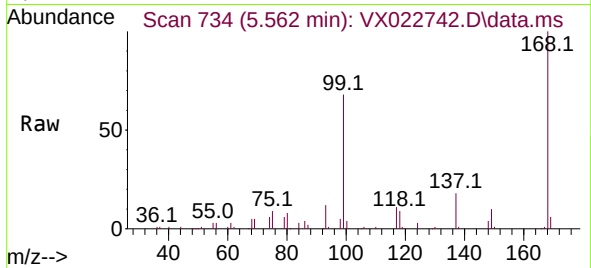
Quant Time: Jun 18 01:17:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 12:20:00 2021
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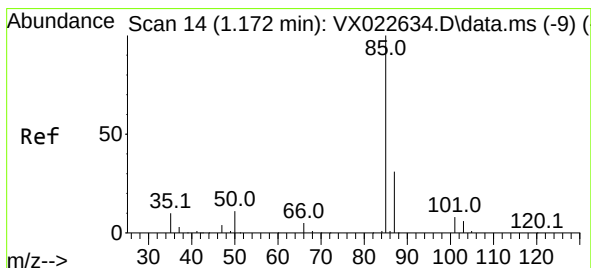
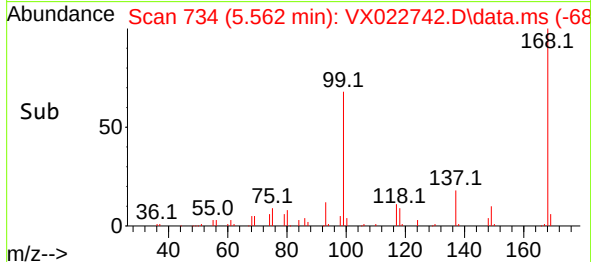
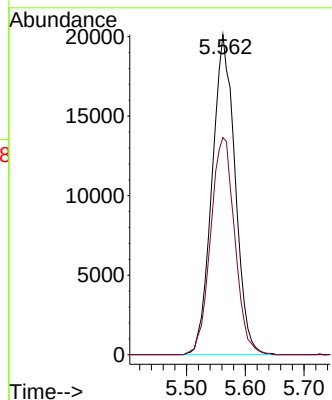


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

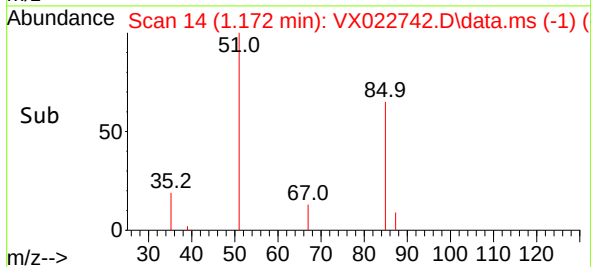
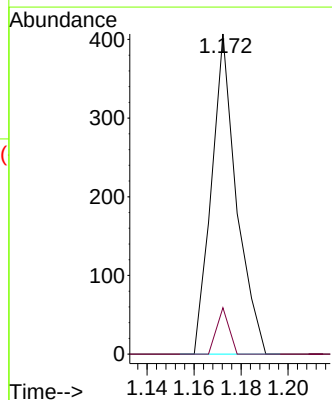
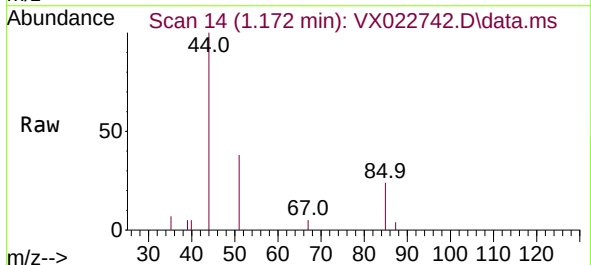


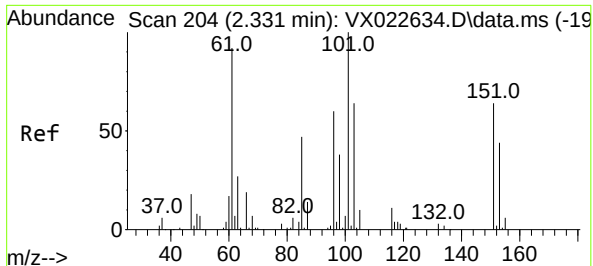
Tgt Ion:168 Resp: 54703
Ion Ratio Lower Upper
168 100
99 67.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.47 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion: 85 Resp: 301
Ion Ratio Lower Upper
85 100
87 14.5 16.4 49.2#

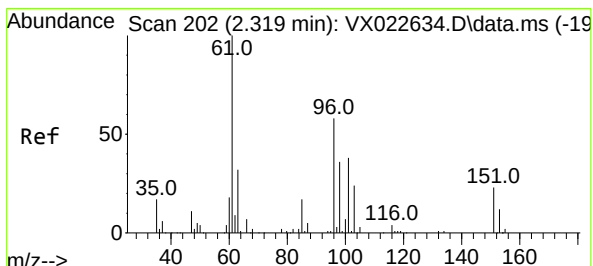
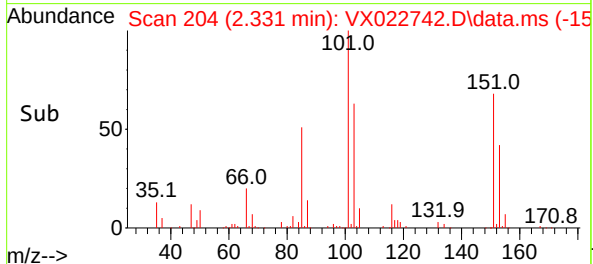
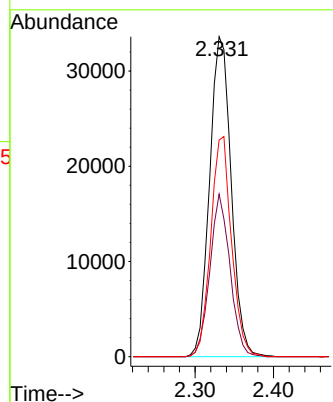
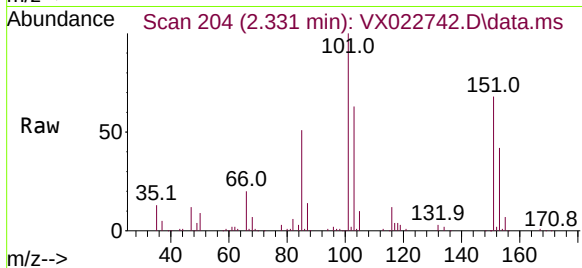




#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.17 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

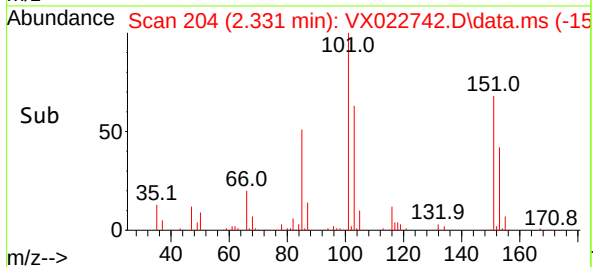
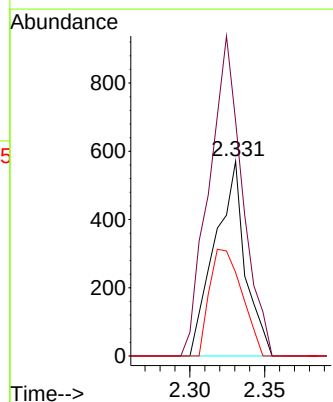
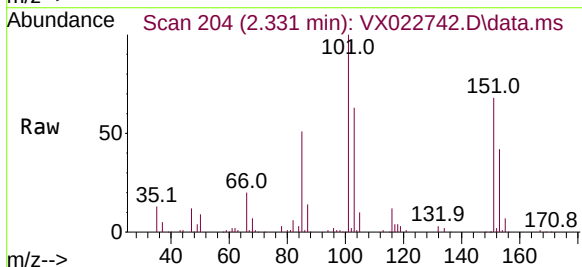
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

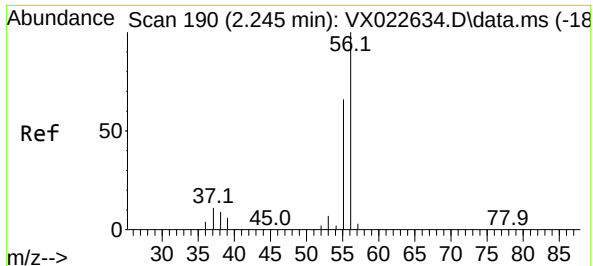
Tgt Ion:101 Resp: 64395
Ion Ratio Lower Upper
101 100
85 47.3 34.9 52.3
151 66.2 61.4 92.2



#12
1,1-Dichloroethene
Concen: 1.21 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.012 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion: 96 Resp: 806
Ion Ratio Lower Upper
96 100
61 120.7 124.6 187.0#
98 42.9 50.6 76.0#

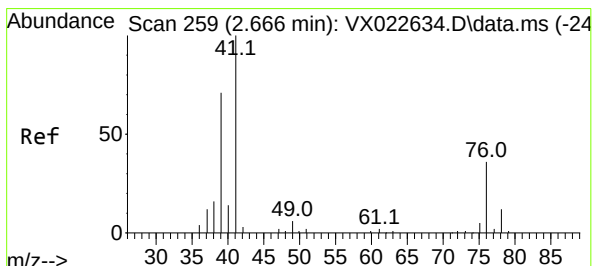
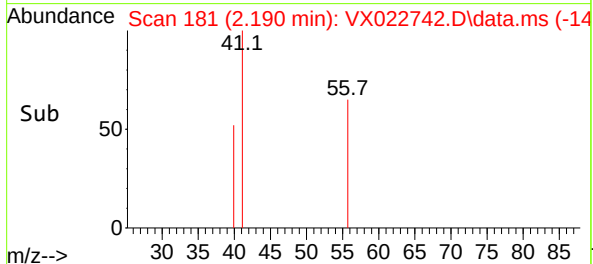
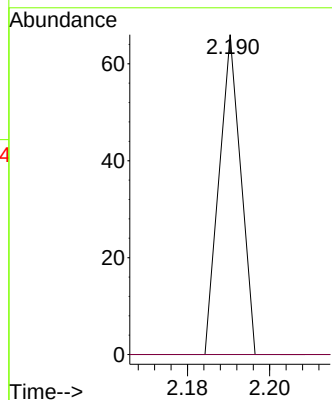
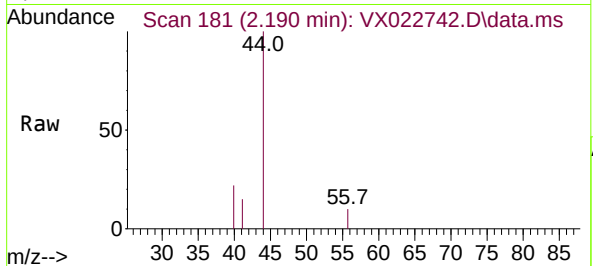




#13
Acrolein
Concen: 0.25 ug/l
RT: 2.190 min Scan# 181
Delta R.T. -0.049 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

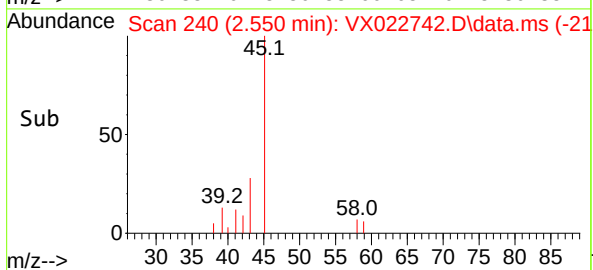
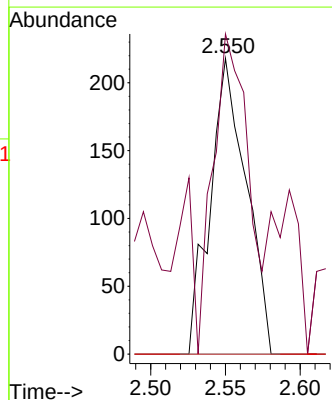
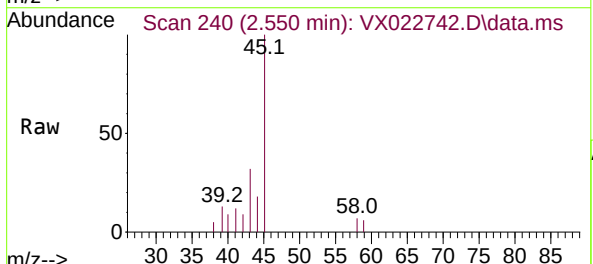
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

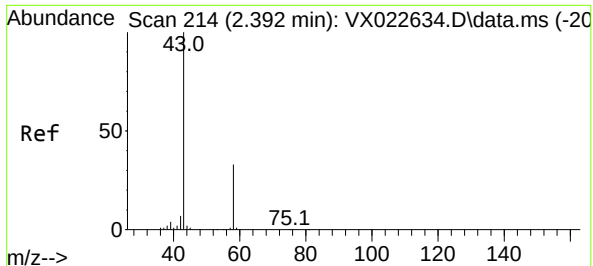
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.29 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion: 41 Resp: 367
Ion Ratio Lower Upper
41 100
39 106.0 51.6 77.4#
76 0.0 30.5 45.7#

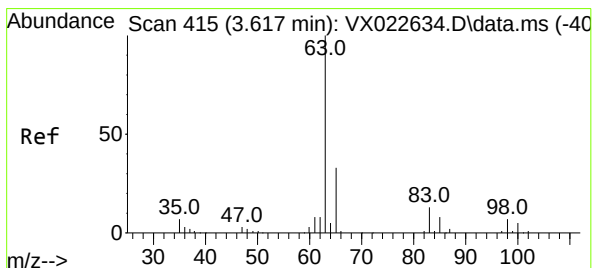
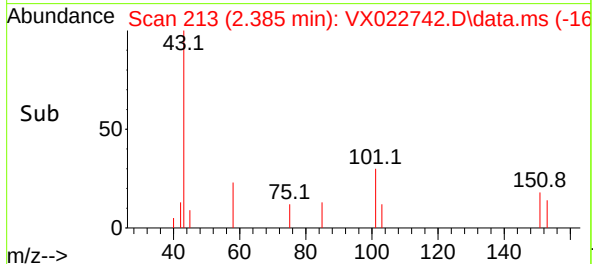
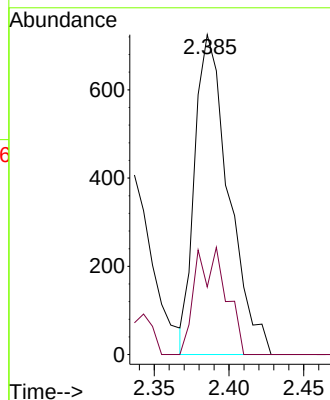
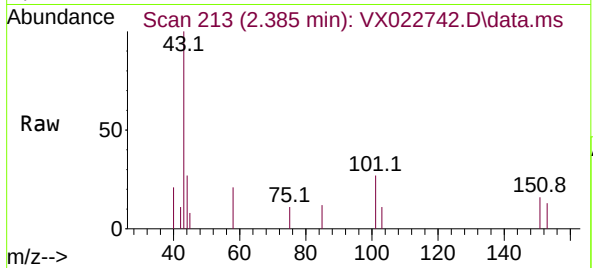




#16
Acetone
Concen: 2.60 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

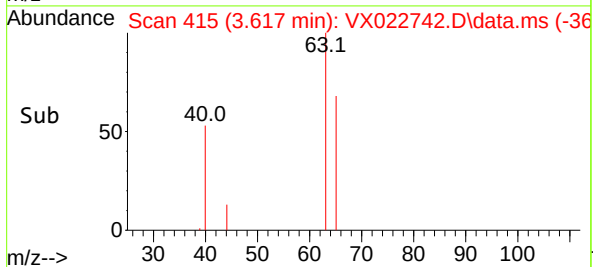
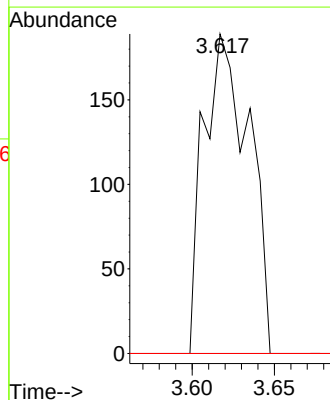
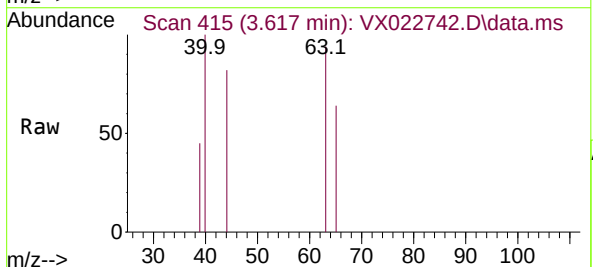
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

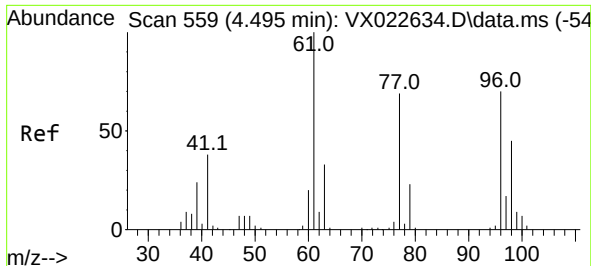
Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 21.1 27.8 41.8#



#24
1,1-Dichloroethane
Concen: 0.25 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion: 63 Resp: 364
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: 2.63 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022742.D

Acq: 17 Jun 2021 15:51

Tgt Ion: 96 Resp: 2358

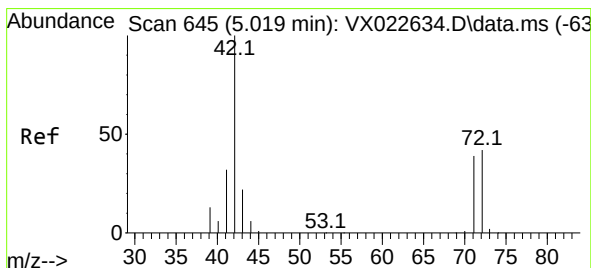
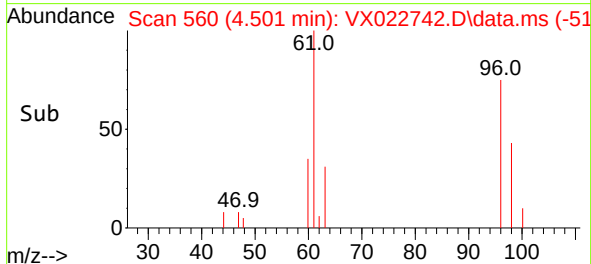
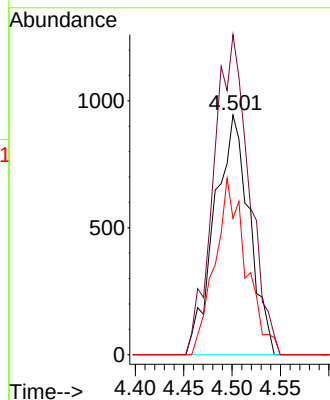
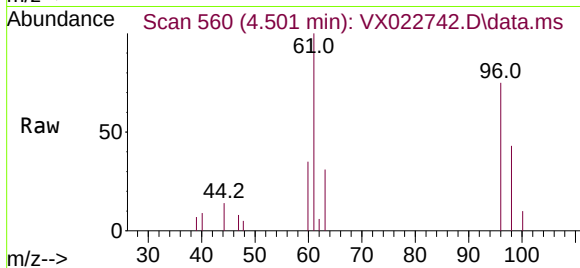
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	285.6
98	66.4	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20210615



#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 5.056 min Scan# 651

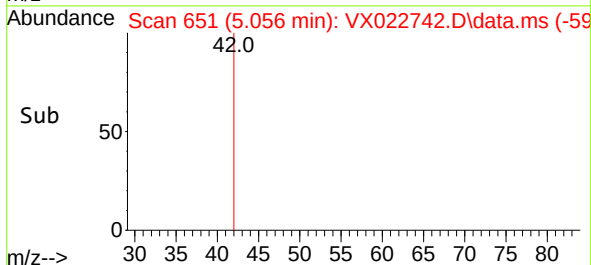
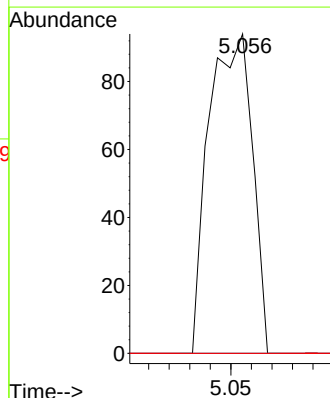
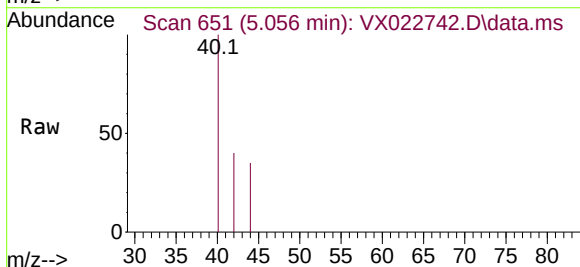
Delta R.T. 0.043 min

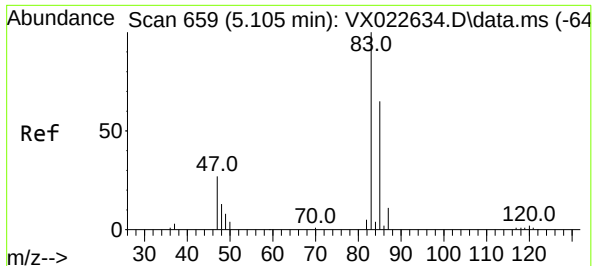
Lab File: VX022742.D

Acq: 17 Jun 2021 15:51

Tgt Ion: 42 Resp: 138

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 0.30 ug/l

RT: 5.104 min Scan# 659

Delta R.T. -0.001 min

Lab File: VX022742.D

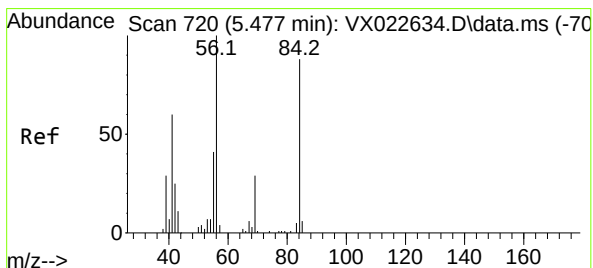
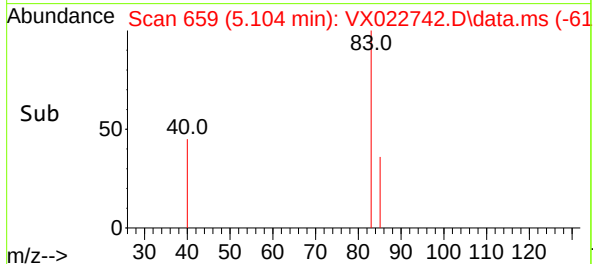
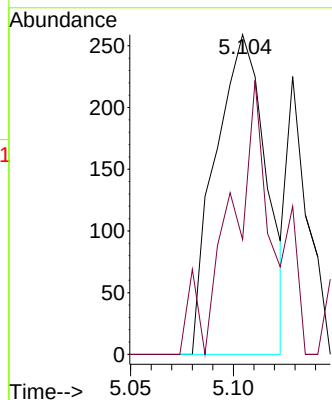
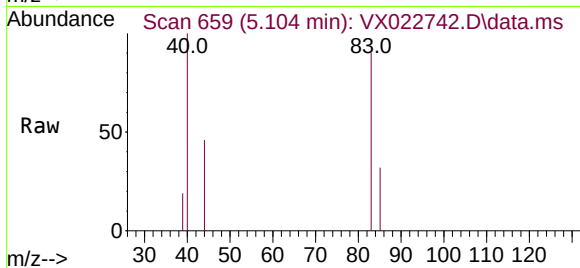
Acq: 17 Jun 2021 15:51

Tgt Ion: 83 Resp: 448

Ion Ratio Lower Upper

83 100

85 35.9 52.0 78.0#



#31

Cyclohexane

Concen: 1.41 ug/l

RT: 5.574 min Scan# 736

Delta R.T. 0.097 min

Lab File: VX022742.D

Acq: 17 Jun 2021 15:51

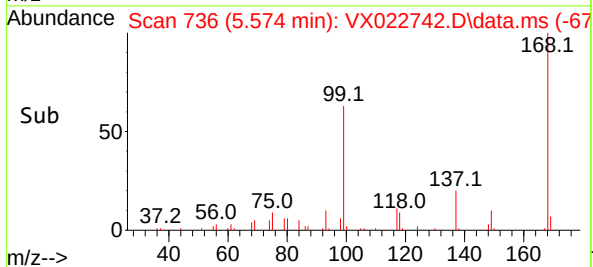
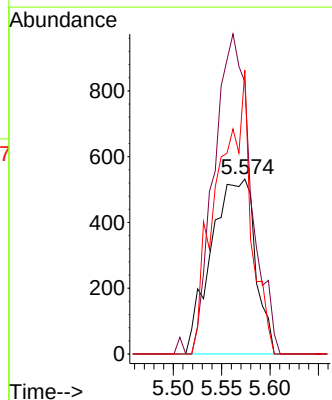
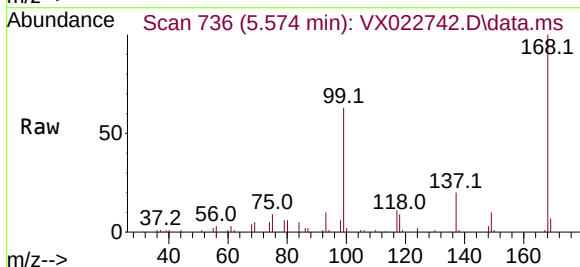
Tgt Ion: 56 Resp: 1677

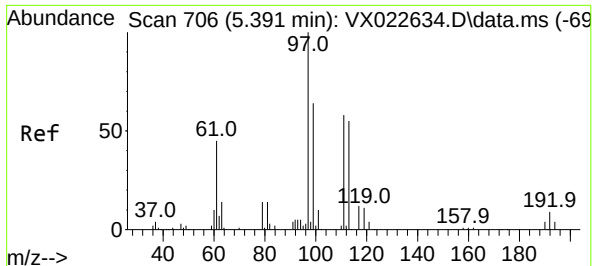
Ion Ratio Lower Upper

56 100

69 155.5 25.3 37.9#

84 162.2 71.4 107.0#





#32

1,1,1-Trichloroethane

Concen: 0.92 ug/l

RT: 5.391 min Scan# 706

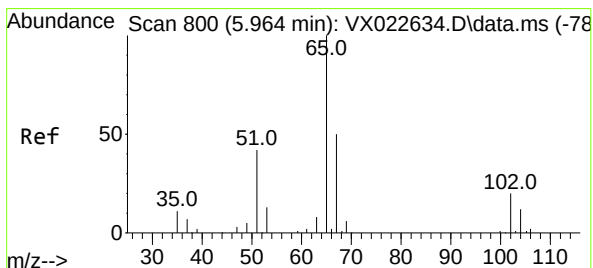
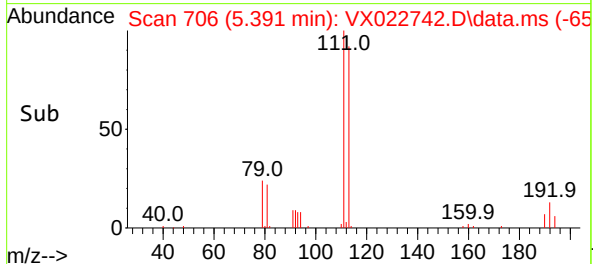
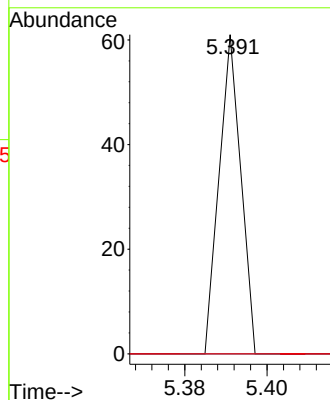
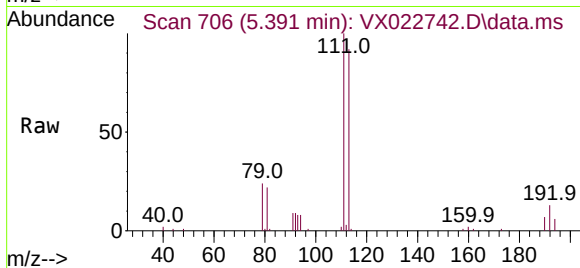
Delta R.T. 0.000 min

Lab File: VX022742.D

Acq: 17 Jun 2021 15:51

Tgt Ion: 97	Resp: 22
Ion Ratio	Lower Upper
97 100	
99 0.0	51.5 77.3#
61 0.0	34.2 51.4#

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615



#33

1,2-Dichloroethane-d4

Concen: 47.97 ug/l

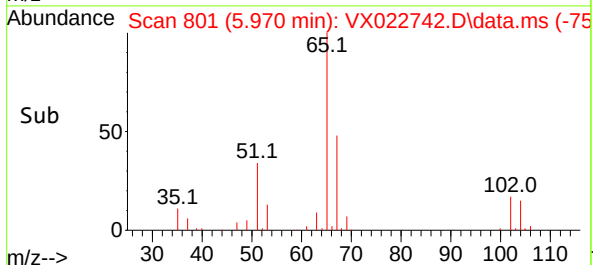
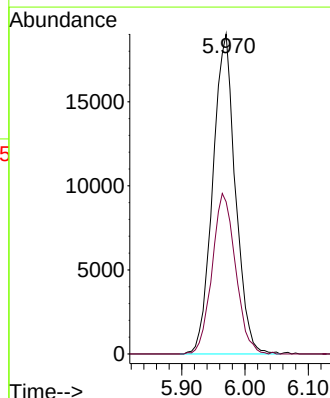
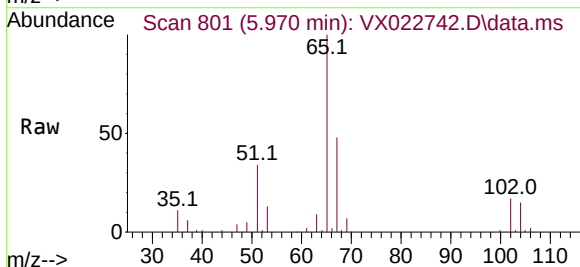
RT: 5.970 min Scan# 801

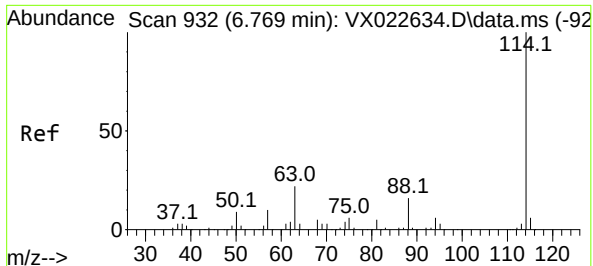
Delta R.T. 0.006 min

Lab File: VX022742.D

Acq: 17 Jun 2021 15:51

Tgt Ion: 65	Resp: 47197
Ion Ratio	Lower Upper
65 100	
67 52.0	0.0 105.4

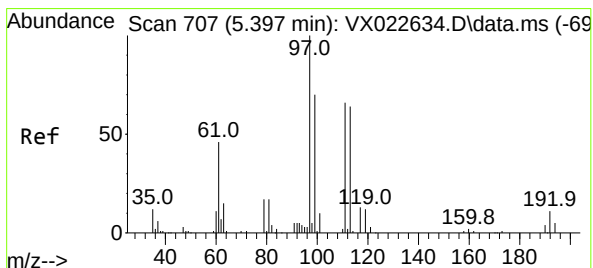
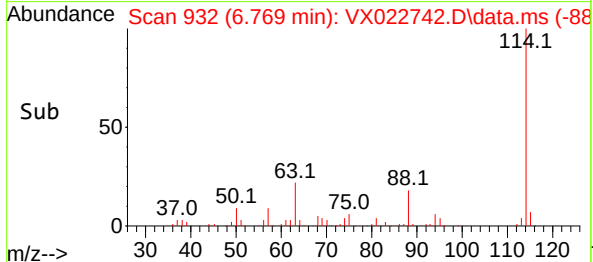
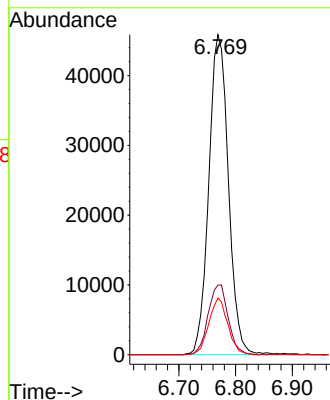
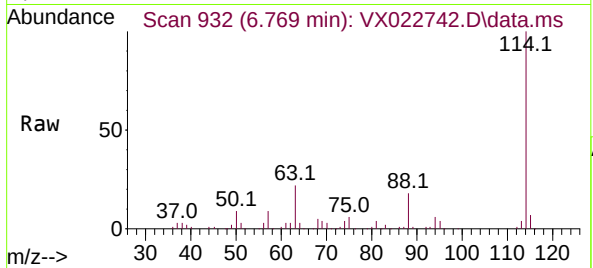




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

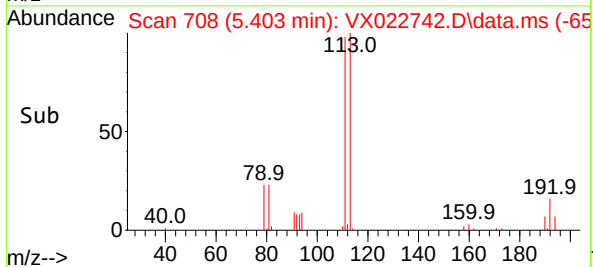
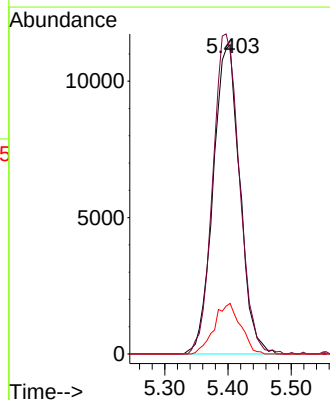
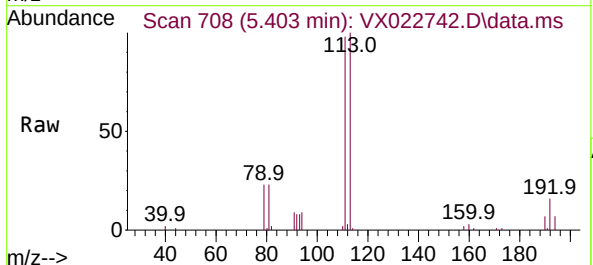
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

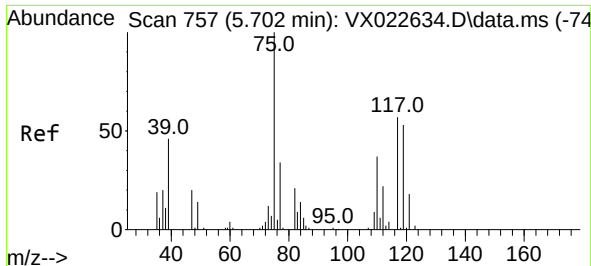
Tgt Ion:114 Resp: 110226
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 17.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.13 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.012 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

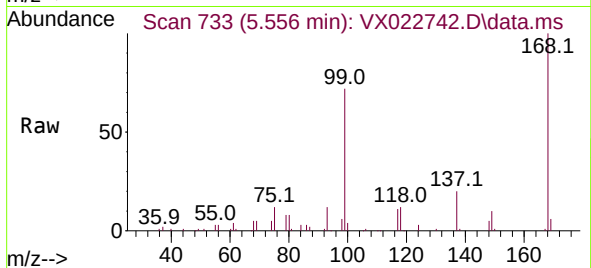
Tgt Ion:113 Resp: 33142
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 16.2 16.7 25.1#



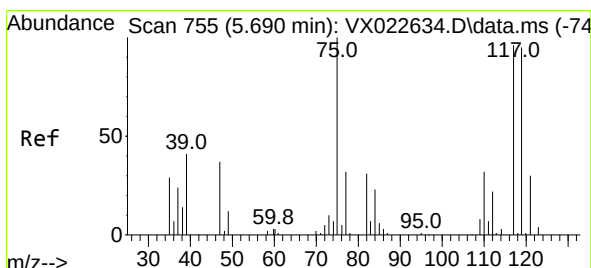
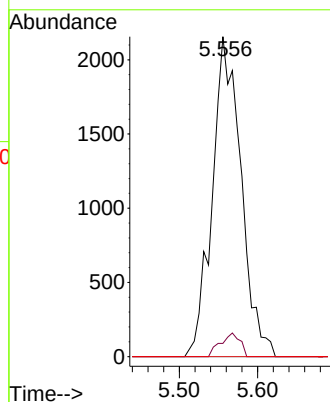
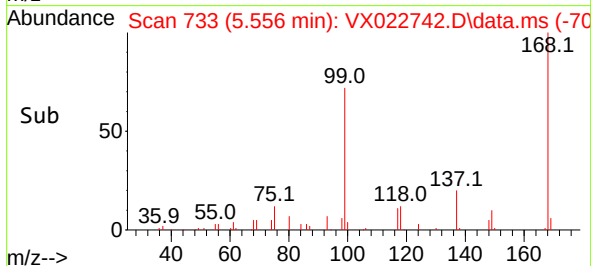


#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

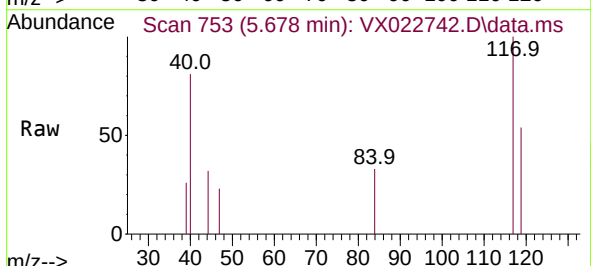
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615



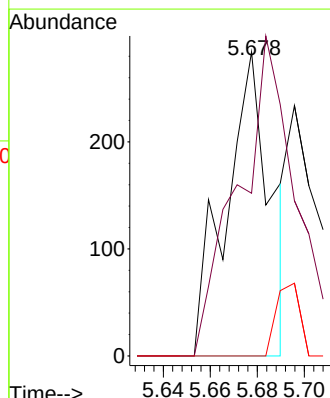
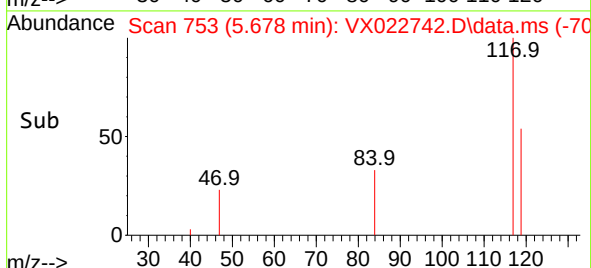
Tgt Ion: 75 Resp: 5516
Ion Ratio Lower Upper
75 100
110 5.0 18.1 54.4#
77 0.0 25.3 37.9#

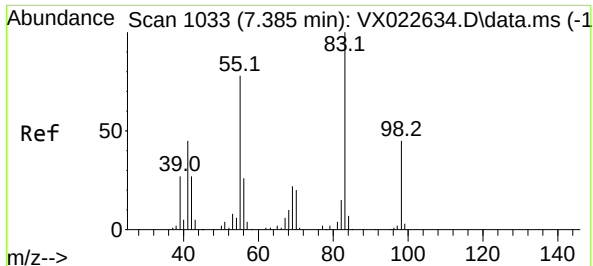


#38
Carbon Tetrachloride
Concen: 0.40 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51



Tgt Ion: 117 Resp: 374
Ion Ratio Lower Upper
117 100
119 53.5 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 2.38 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX022742.D

Acq: 17 Jun 2021 15:51

Tgt Ion: 83 Resp: 2725

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

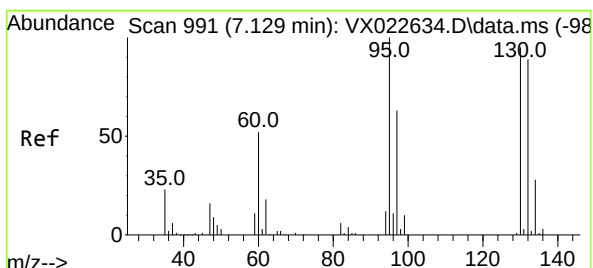
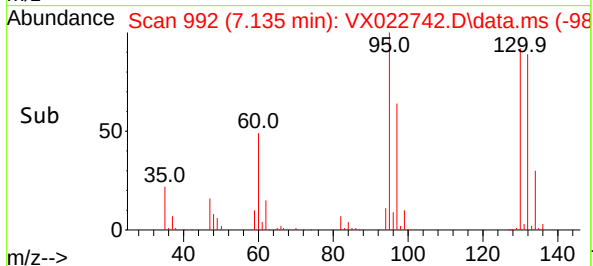
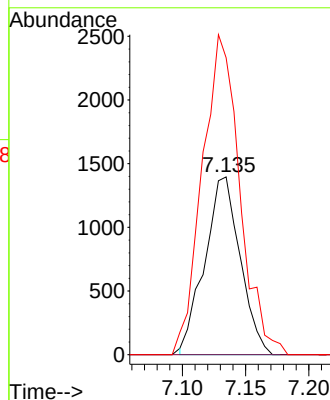
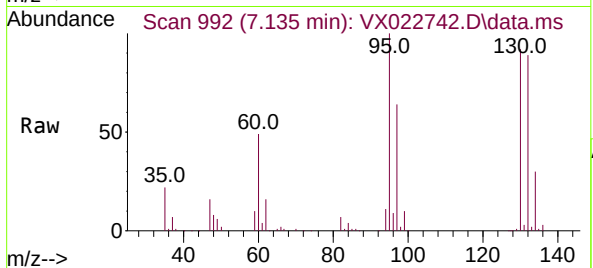
98 160.8 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20210615



#44

Trichloroethene

Concen: 248.61 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX022742.D

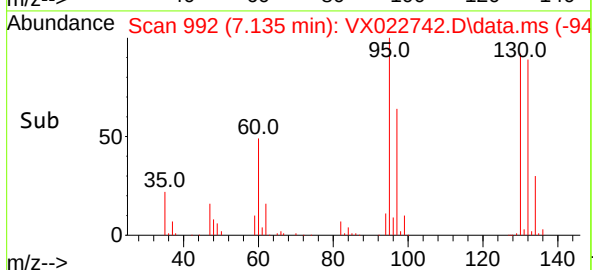
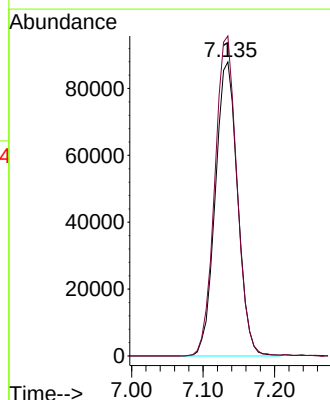
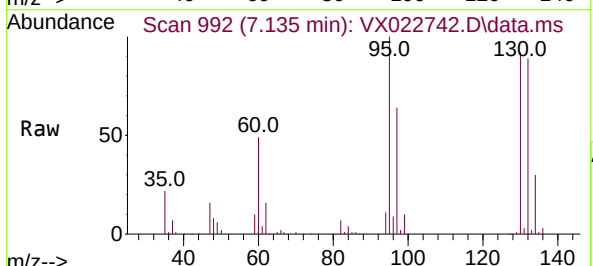
Acq: 17 Jun 2021 15:51

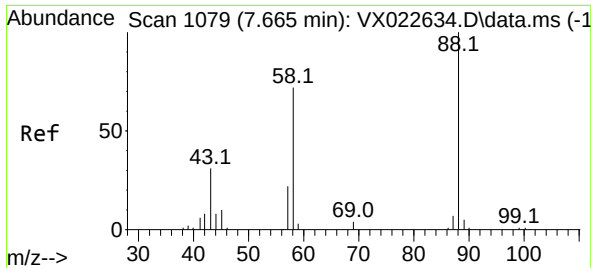
Tgt Ion:130 Resp: 190691

Ion Ratio Lower Upper

130 100

95 108.8 0.0 198.0

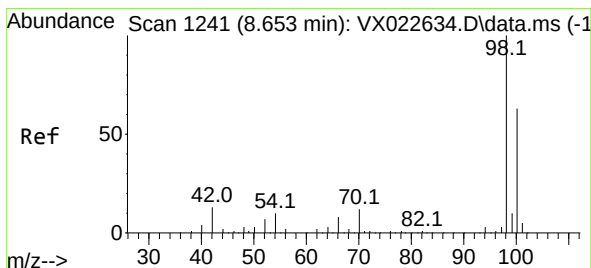
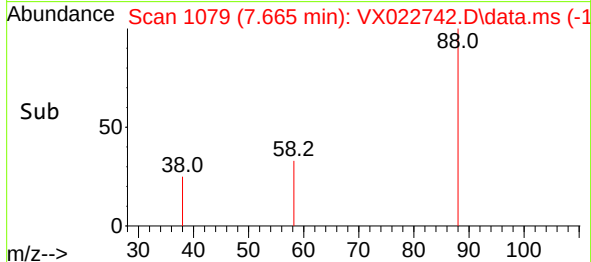
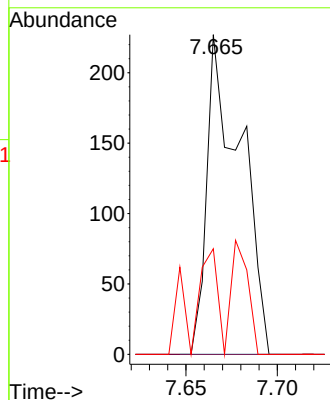
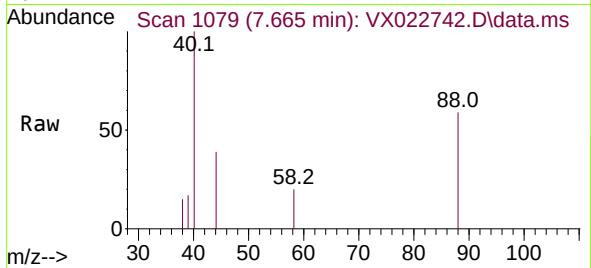




#49
1,4-Dioxane
Concen: 14.45 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. -0.000 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

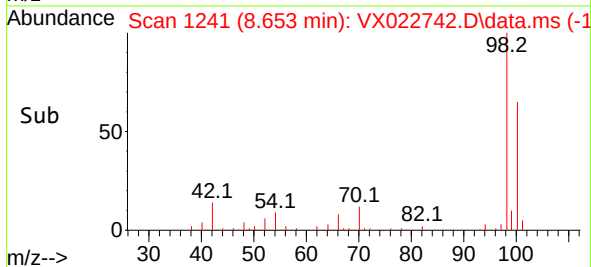
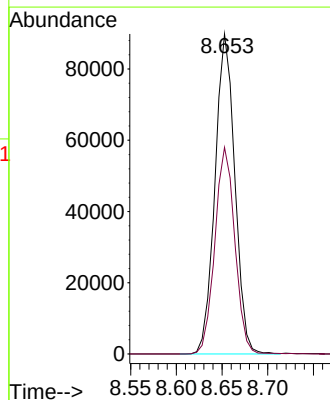
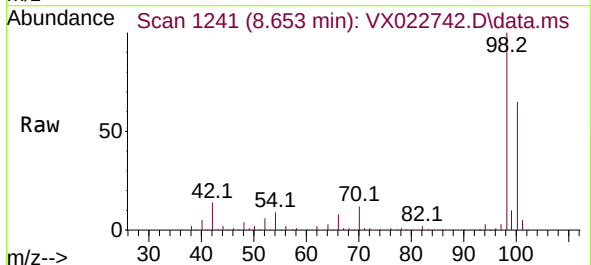
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

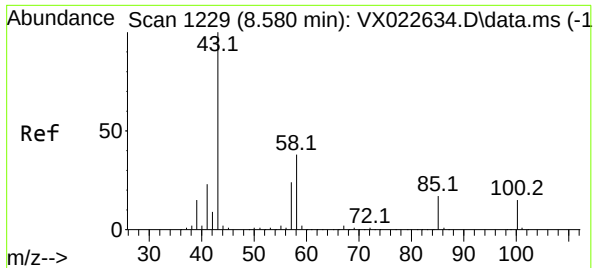
Tgt Ion:	88	Resp:	291
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	25.1	55.0	82.4#



#50
Toluene-d8
Concen: 48.83 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion:	98	Resp:	135381
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9

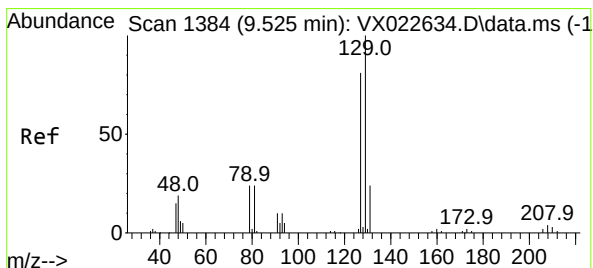
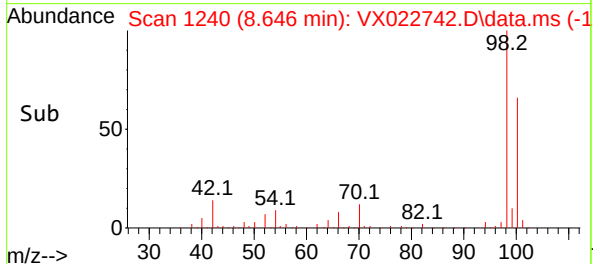
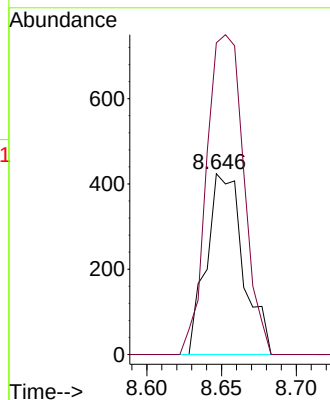
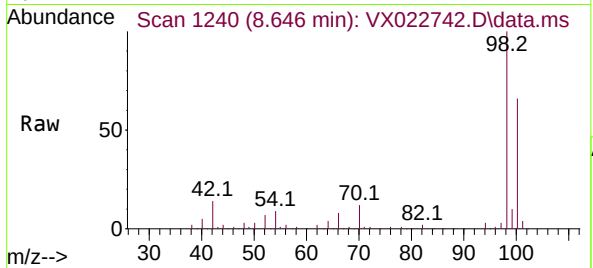




#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.066 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

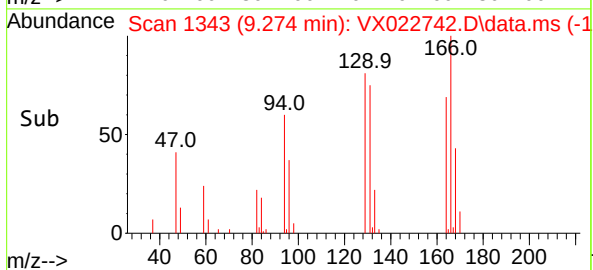
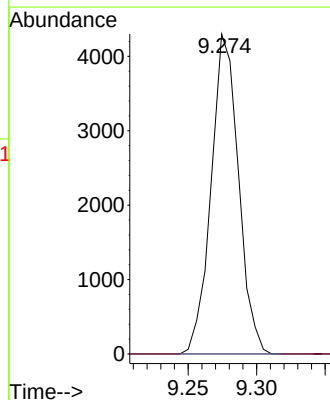
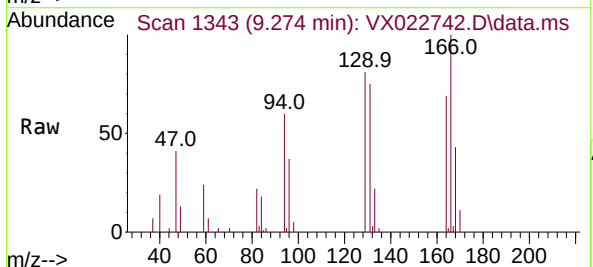
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

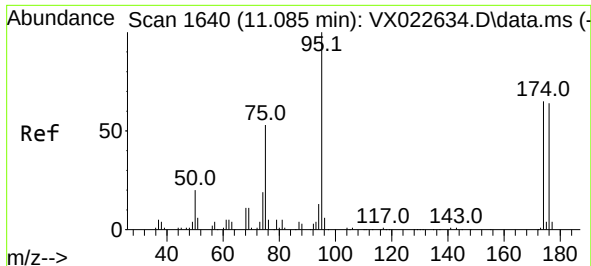
Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 178.6 35.4 53.0#



#60
Dibromochloromethane
Concen: 10.02 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion: 129 Resp: 5979
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

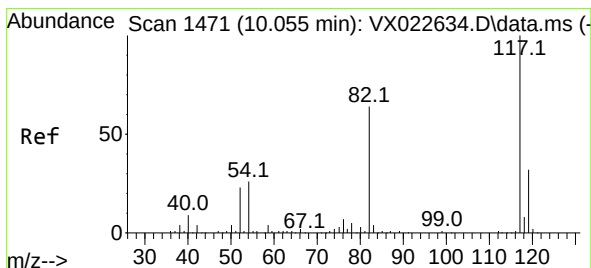
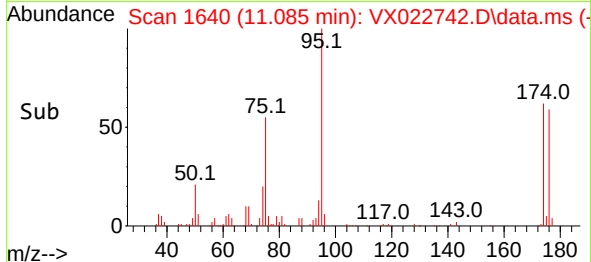
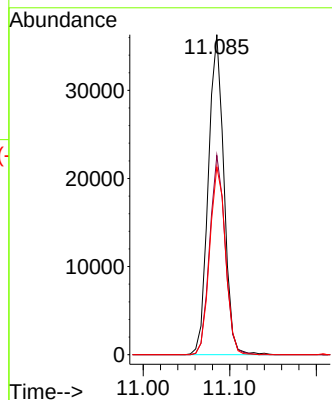
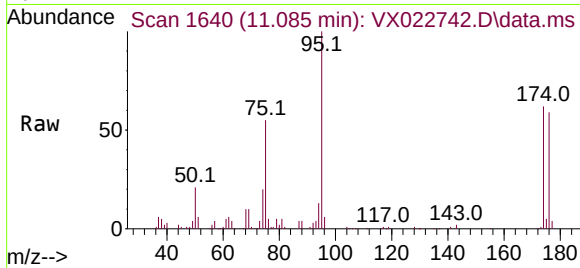




#62
4-Bromofluorobenzene
Concen: 43.21 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

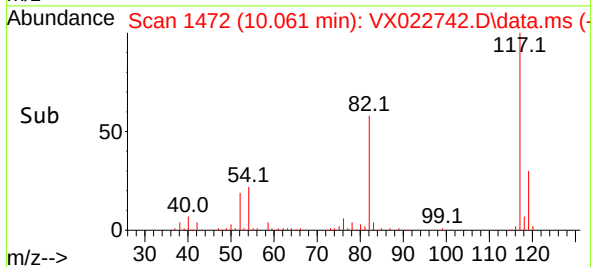
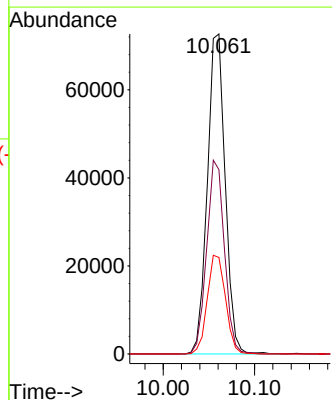
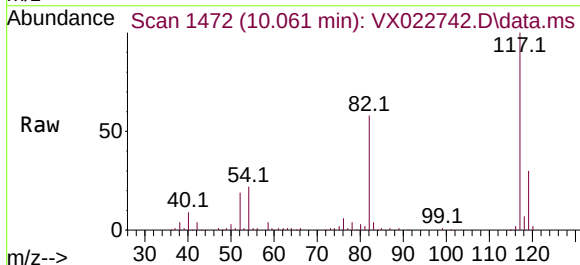
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

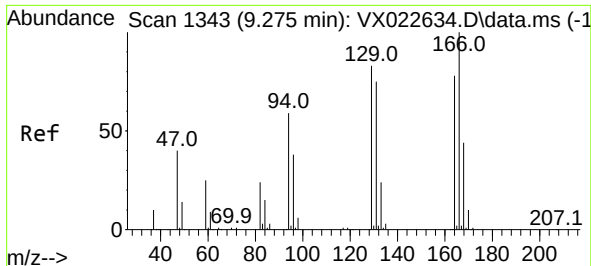
Tgt Ion: 95 Resp: 45310
Ion Ratio Lower Upper
95 100
174 61.6 0.0 154.6
176 59.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion: 117 Resp: 98272
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 30.1 26.6 39.8

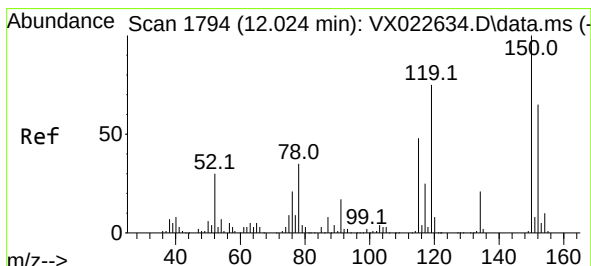
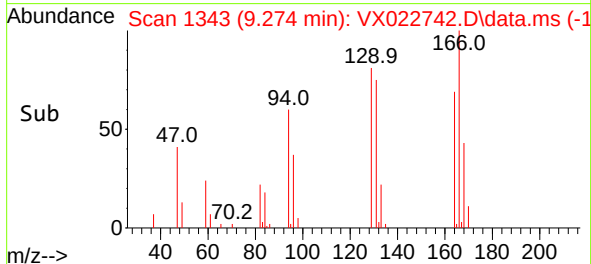
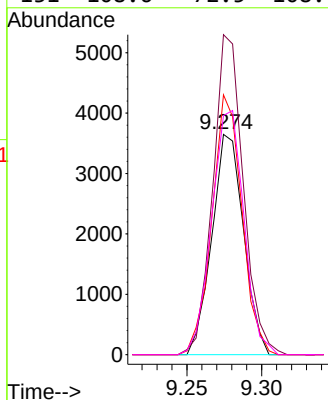
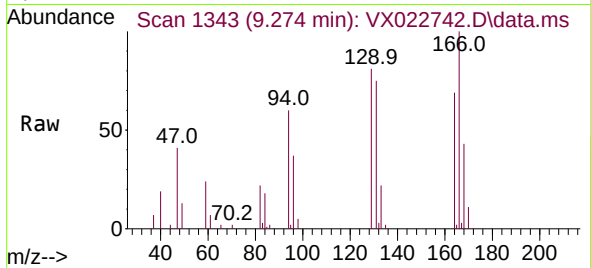




#64
Tetrachloroethene
Concen: 8.62 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.007 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

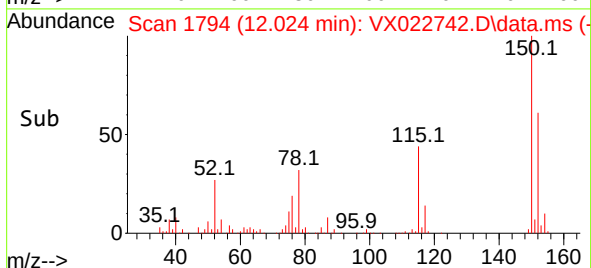
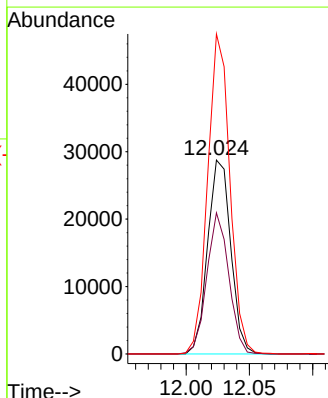
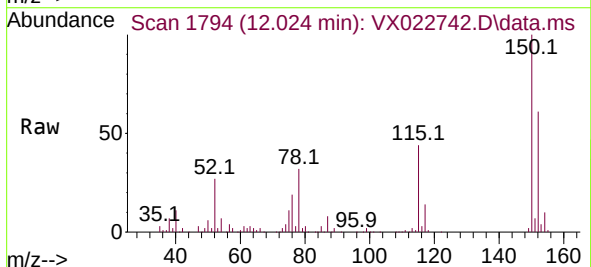
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

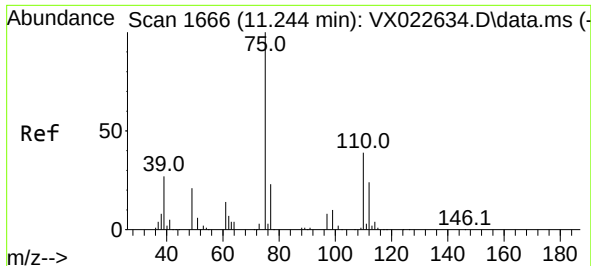
Tgt Ion:	164	Resp:	5360
Ion	Ratio	Lower	Upper
164	100		
166	145.2	103.4	155.2
129	117.9	70.8	106.2#
131	108.6	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion:	152	Resp:	36525
Ion	Ratio	Lower	Upper
152	100		
115	69.3	41.1	123.3
150	158.7	0.0	349.0

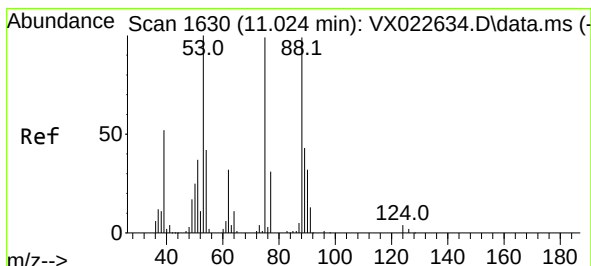
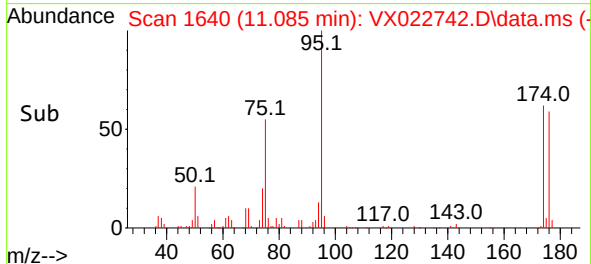
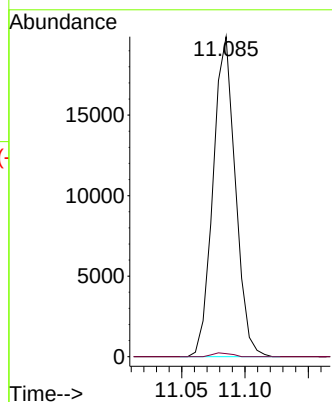
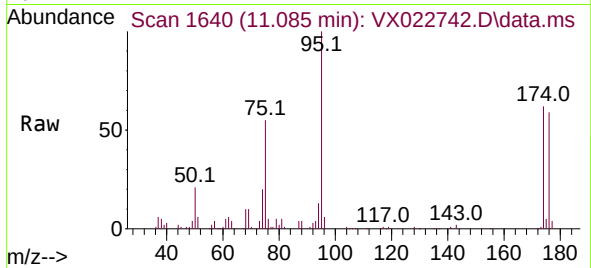




#76
1,2,3-Trichloropropane
Concen: 25.17 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210615

Tgt Ion: 75 Resp: 24371
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.32 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022742.D
Acq: 17 Jun 2021 15:51

Tgt Ion: 75 Resp: 24371
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

