

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024389.D
 Acq On : 21 Sep 2021 16:25
 Operator : JC/MD
 Sample : M3782-20DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20210915DL

Quant Time: Sep 21 16:53:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

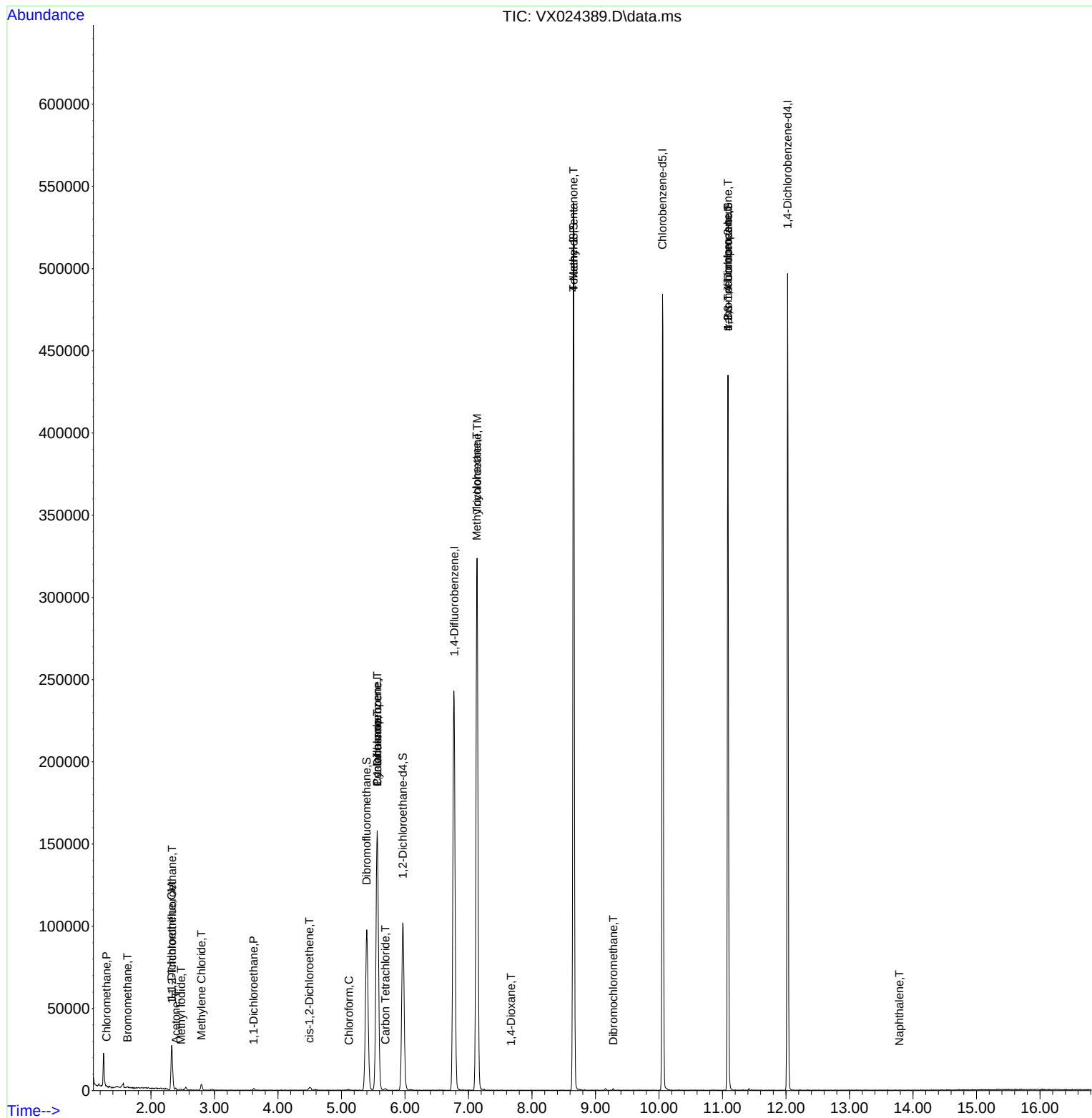
Internal Standards						
1) Pentafluorobenzene	5.562	168	144615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	243085	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104573	50.710	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.420%			
35) Dibromofluoromethane	5.397	113	80862	49.602	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.200%			
50) Toluene-d8	8.653	98	308025	51.866	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.740%			
62) 4-Bromofluorobenzene	11.085	95	110537	47.827	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.660%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	292	0.201	ug/l	91
5) Bromomethane	1.630	94	507	0.589	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	4492	3.155	ug/l	94
10) Methyl Iodide	2.477	142	744	0.378	ug/l #	92
11) Tert butyl alcohol	2.947	59	406	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	5604	4.203	ug/l	89
16) Acetone	2.392	43	1245	1.416	ug/l	94
20) Methylene Chloride	2.794	84	1715	1.016	ug/l	94
24) 1,1-Dichloroethane	3.617	63	1269	0.454	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	1235	0.733	ug/l	85
30) Chloroform	5.117	83	680	0.229	ug/l #	78
31) Cyclohexane	5.562	56	3313	1.373	ug/l #	46
36) 1,1-Dichloropropene	5.562	75	11327	5.068	ug/l #	50
38) Carbon Tetrachloride	5.690	117	920	0.366	ug/l #	87
39) Methylcyclohexane	7.129	83	1510	0.566	ug/l #	1
44) Trichloroethene	7.135	130	121795	67.625	ug/l	98
49) 1,4-Dioxane	7.671	88	41	0.947	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	1526	0.578	ug/l #	1
60) Dibromochloromethane	9.281	129	50	1.750	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	58773	26.009	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58773	76.493	ug/l #	12
95) Naphthalene	13.786	128	121	1.304	ug/l #	69

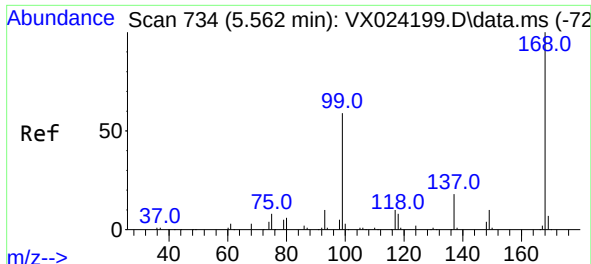
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

Quant Time: Sep 21 16:53:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 21 10:52:48 2021
Response via : Initial Calibration

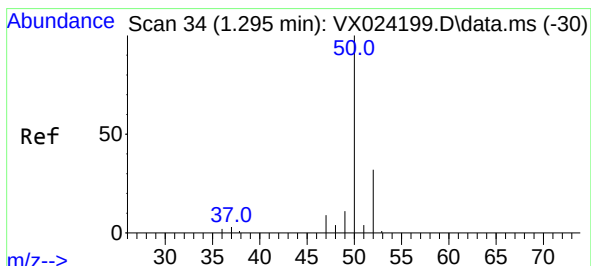
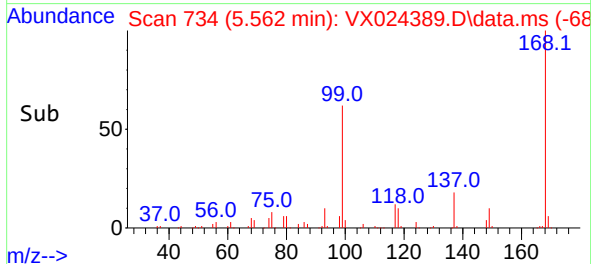
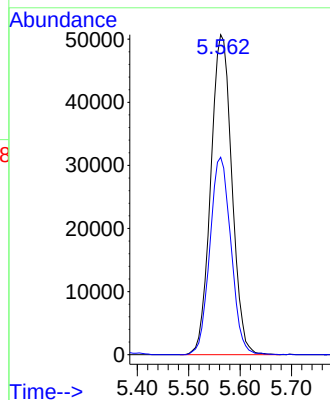
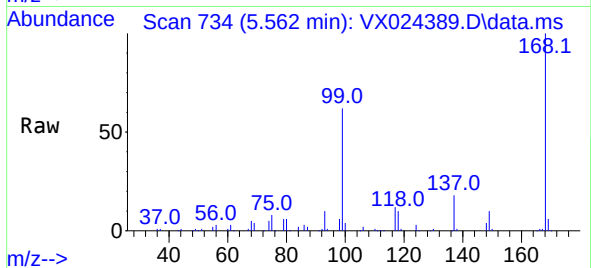




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

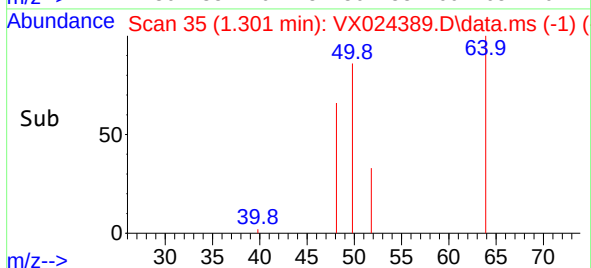
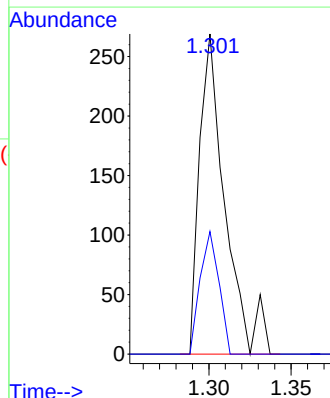
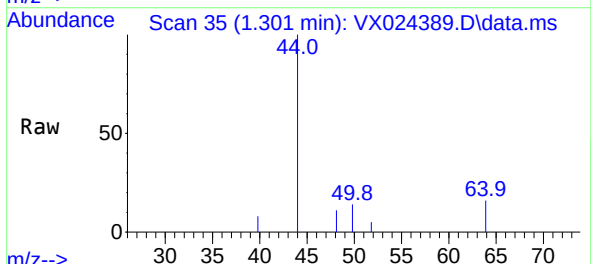
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

Tgt Ion:168 Resp: 144615
Ion Ratio Lower Upper
168 100
99 61.7 45.8 68.6

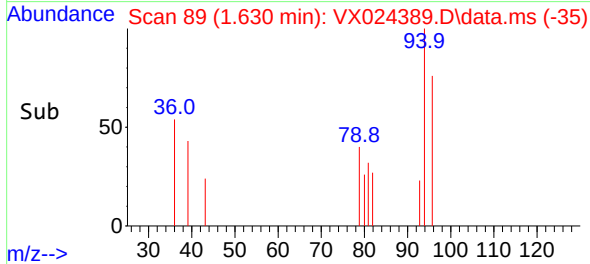
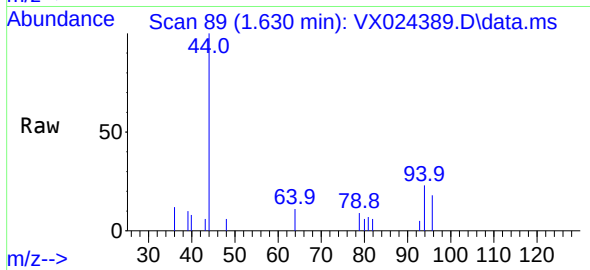
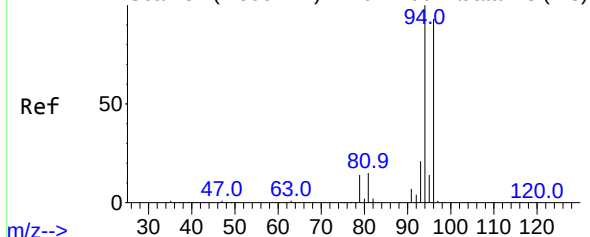


#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 50 Resp: 292
Ion Ratio Lower Upper
50 100
52 38.3 26.4 39.6

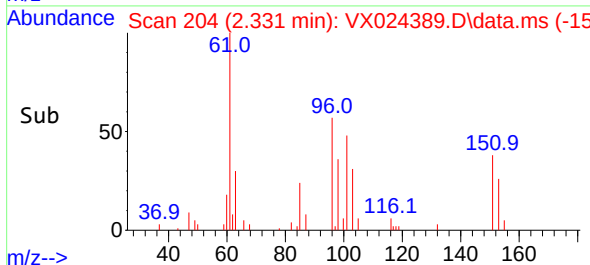
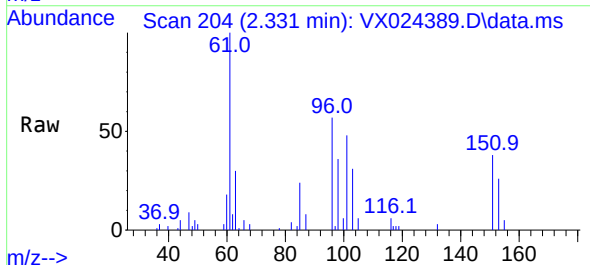
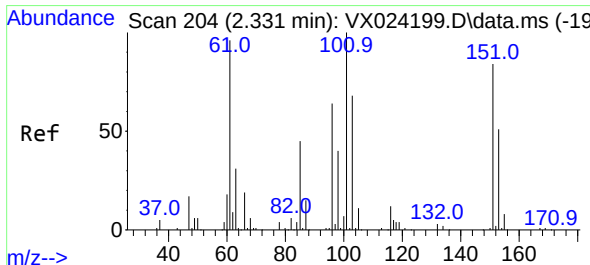
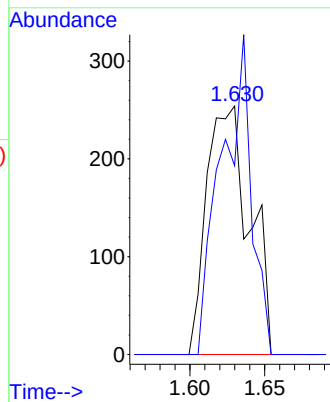


Abundance Scan 84 (1.599 min): VX024199.D\data.ms (-78)



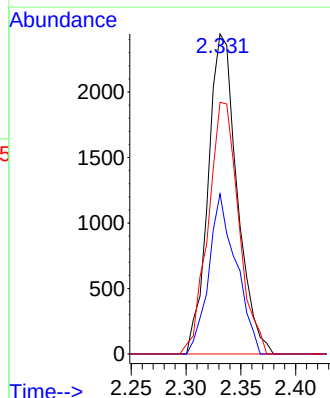
#5
Bromomethane
Concen: 0.589 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

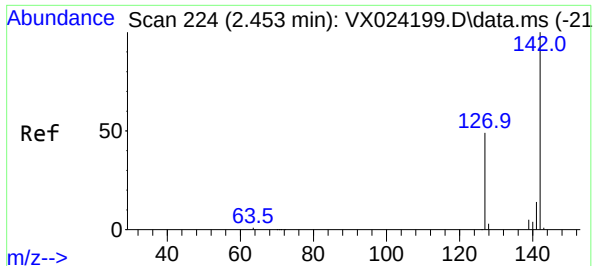
Tgt Ion: 94 Resp: 507
Ion Ratio Lower Upper
94 100
96 76.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.155 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 101 Resp: 4492
Ion Ratio Lower Upper
101 100
85 47.2 34.9 52.3
151 82.5 61.4 92.2

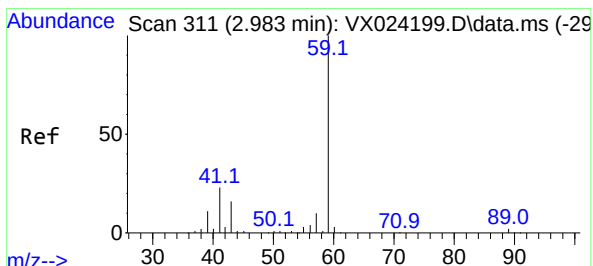
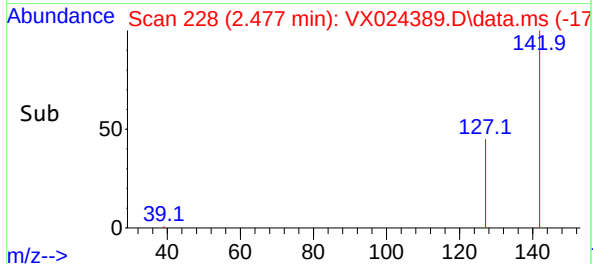
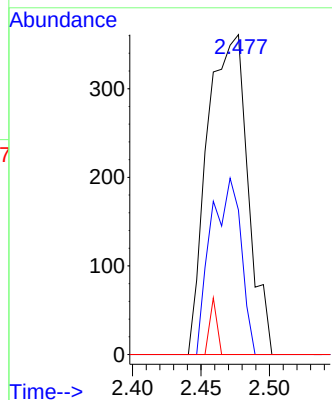
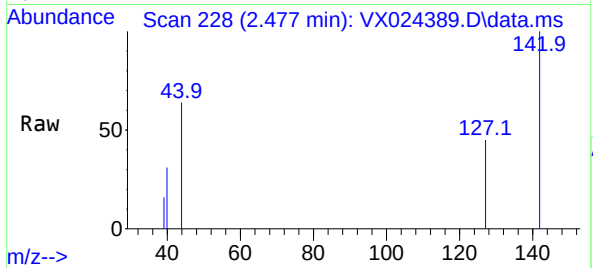




#10
Methyl Iodide
Concen: 0.378 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

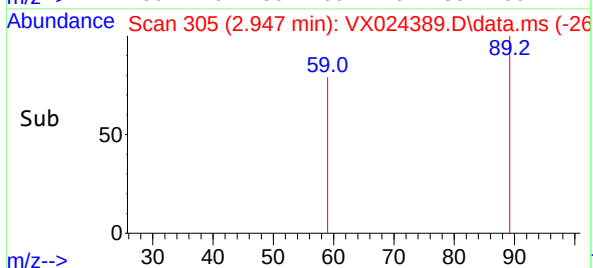
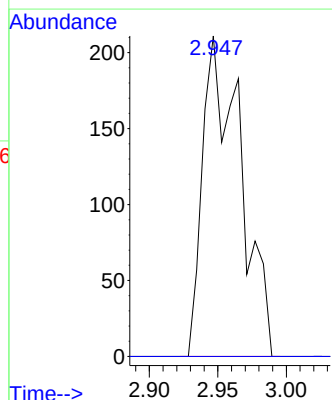
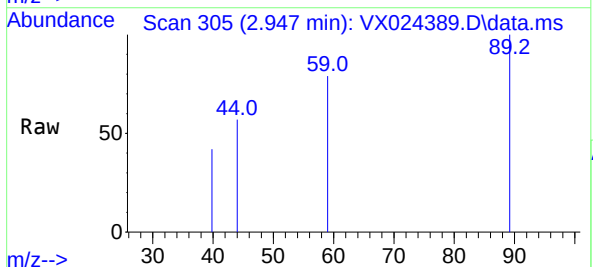
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

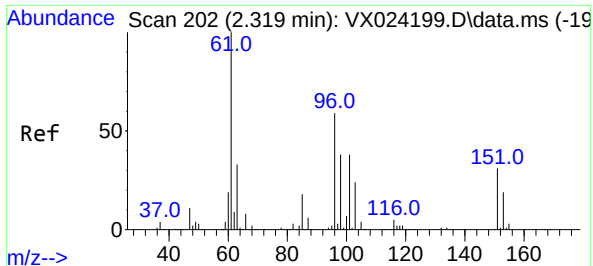
Tgt Ion:142 Resp: 744
Ion Ratio Lower Upper
142 100
127 41.0 33.3 49.9
141 3.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 4.203 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024389.D

Acq: 21 Sep 2021 16:25

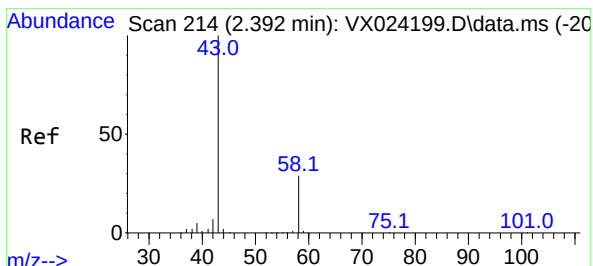
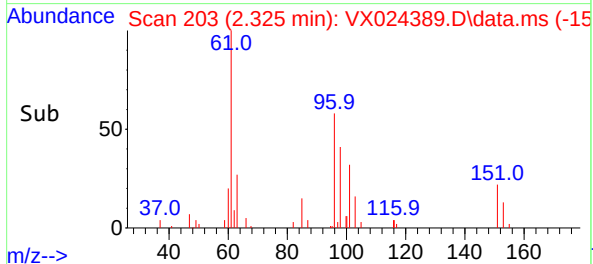
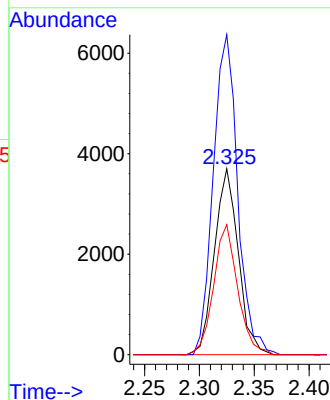
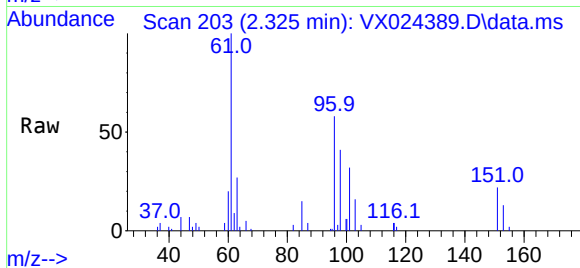
Tgt Ion: 96 Resp: 5604

Ion Ratio Lower Upper

96 100

61 172.2 124.6 187.0

98 70.0 50.6 76.0



#16

Acetone

Concen: 1.416 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX024389.D

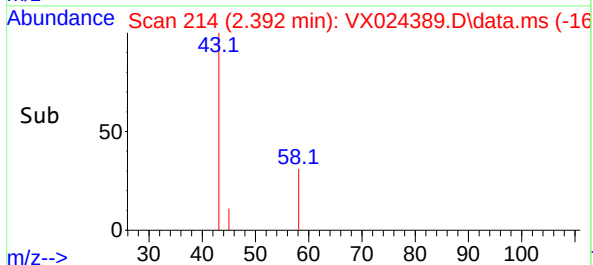
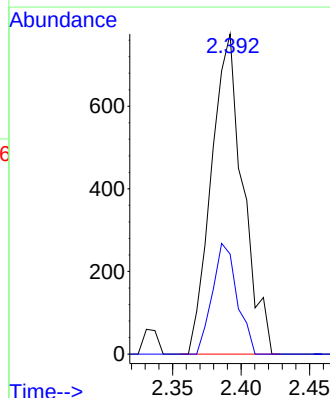
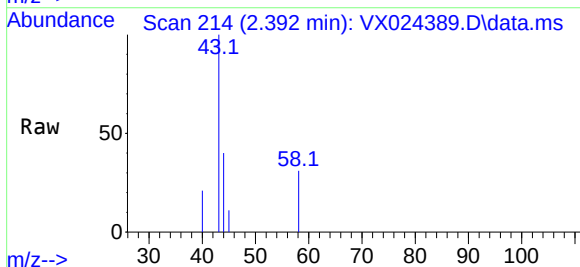
Acq: 21 Sep 2021 16:25

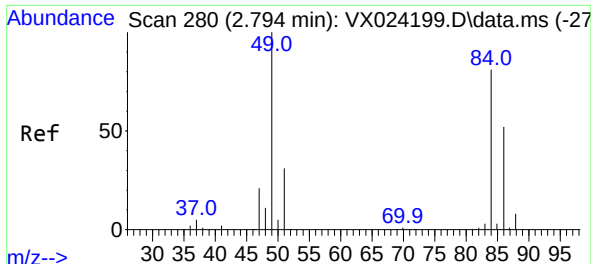
Tgt Ion: 43 Resp: 1245

Ion Ratio Lower Upper

43 100

58 31.2 27.8 41.8



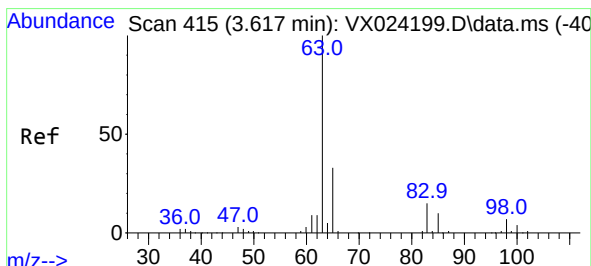
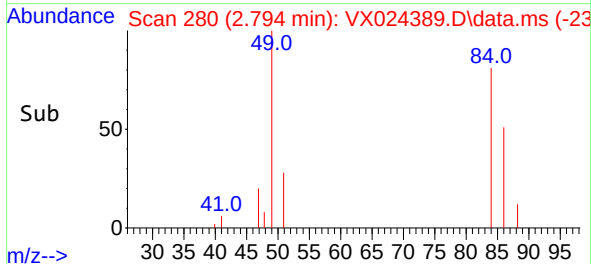
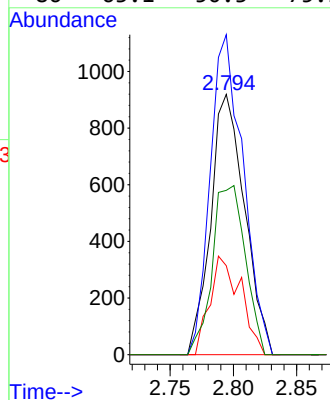
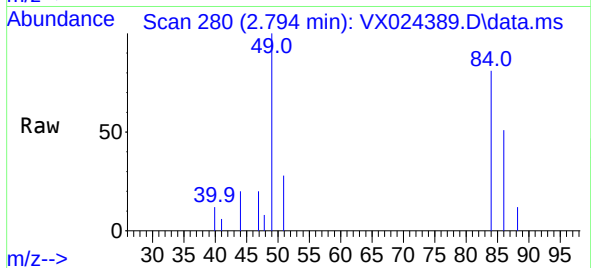


#20
Methylene Chloride
Concen: 1.016 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

Tgt Ion: 84 Resp: 1715

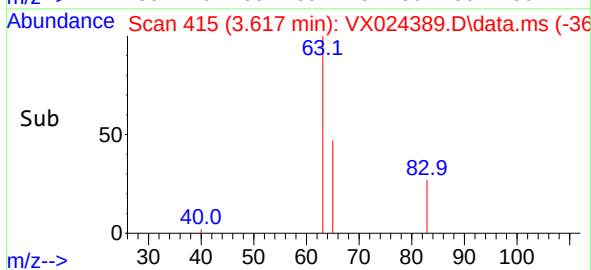
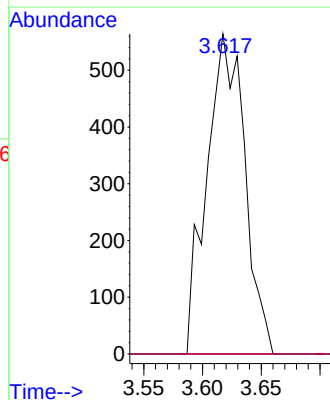
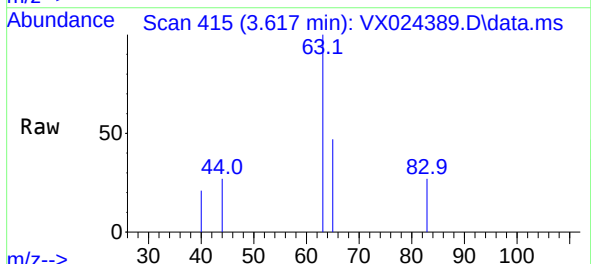
Ion	Ratio	Lower	Upper
84	100		
49	123.0	88.6	132.8
51	34.2	27.0	40.6
86	63.1	50.3	75.5

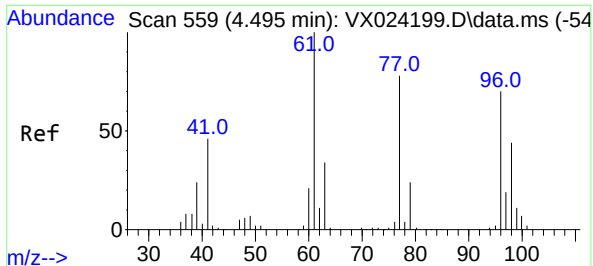


#24
1,1-Dichloroethane
Concen: 0.454 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 63 Resp: 1269

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#



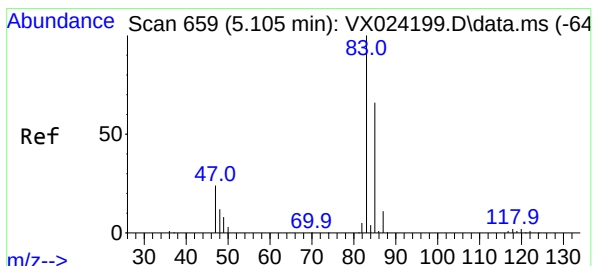
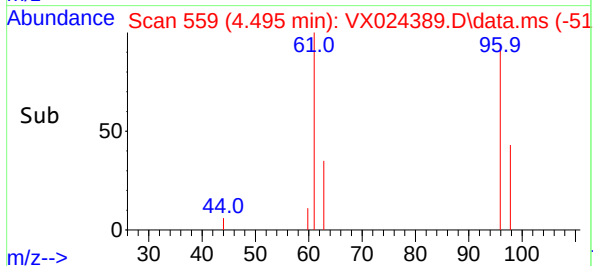
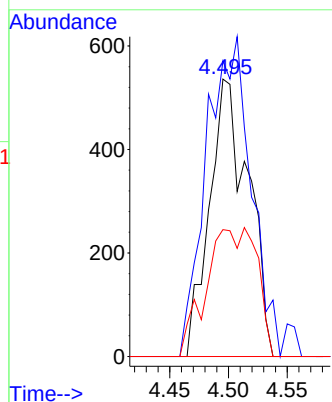
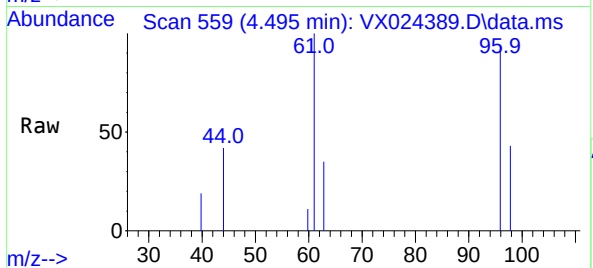


#27
cis-1,2-Dichloroethene
Concen: 0.733 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

Tgt Ion: 96 Resp: 1235

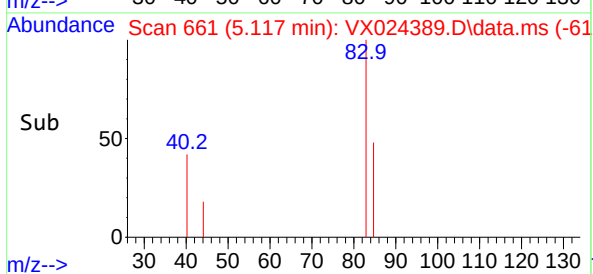
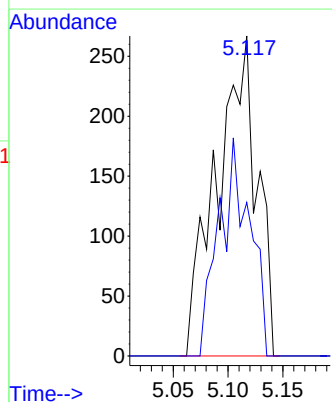
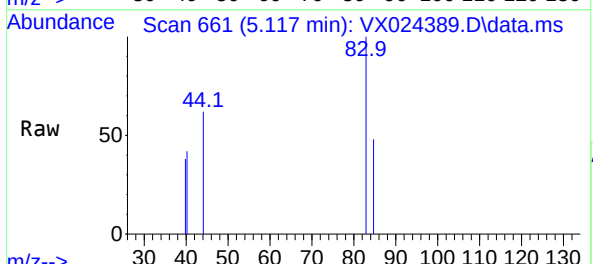
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	285.6
98	38.7	0.0	129.6

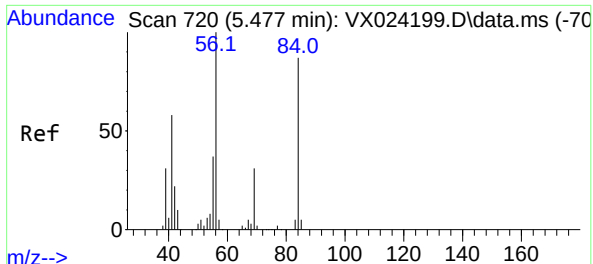


#30
Chloroform
Concen: 0.229 ug/l
RT: 5.117 min Scan# 661
Delta R.T. 0.012 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 83 Resp: 680

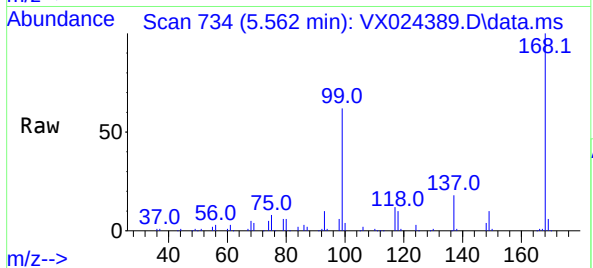
Ion	Ratio	Lower	Upper
83	100		
85	47.9	52.0	78.0#



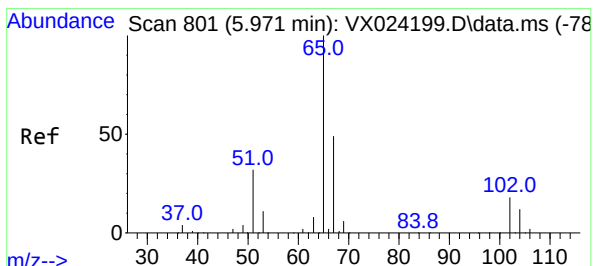
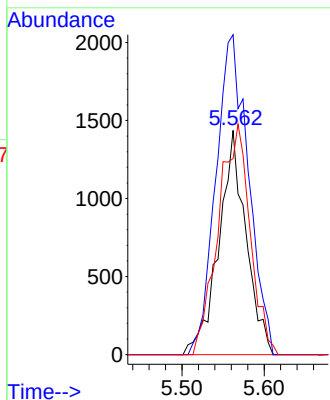
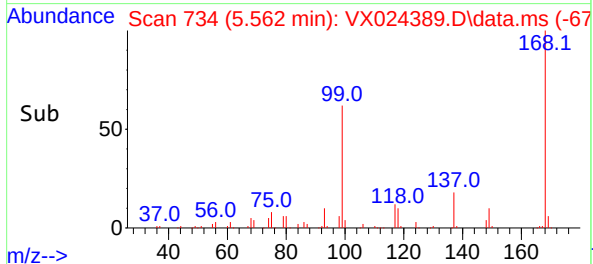


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

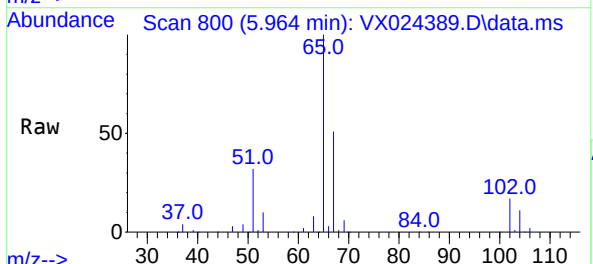
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL



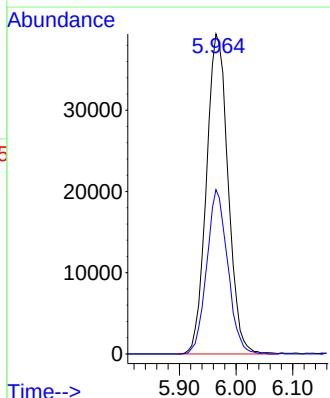
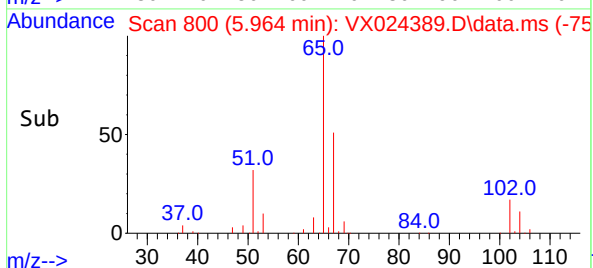
Tgt Ion: 56 Resp: 3313
Ion Ratio Lower Upper
56 100
69 142.7 25.3 37.9#
84 87.5 71.4 107.0

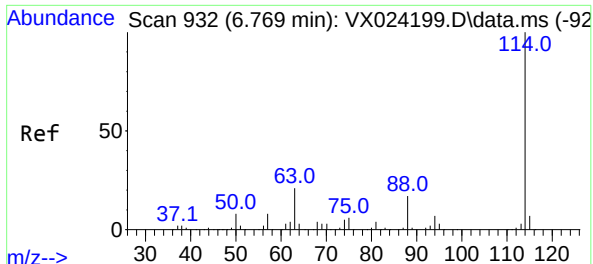


#33
1,2-Dichloroethane-d4
Concen: 50.710 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25



Tgt Ion: 65 Resp: 104573
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

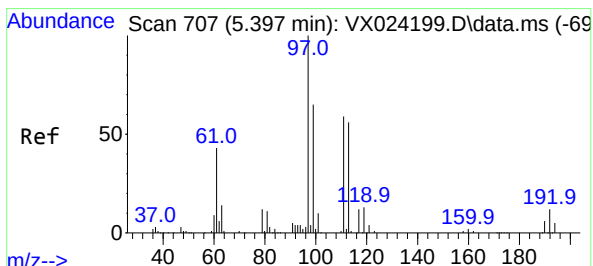
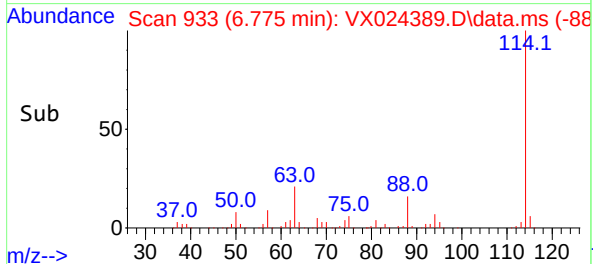
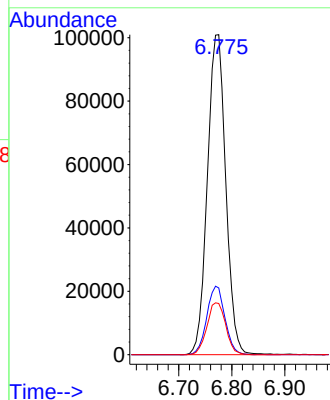
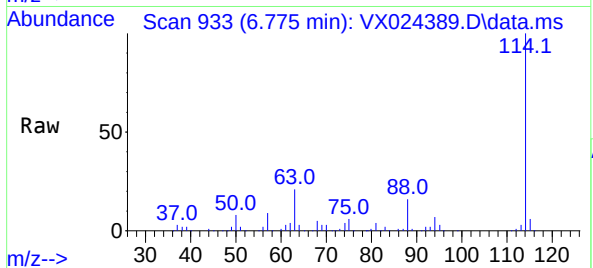




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

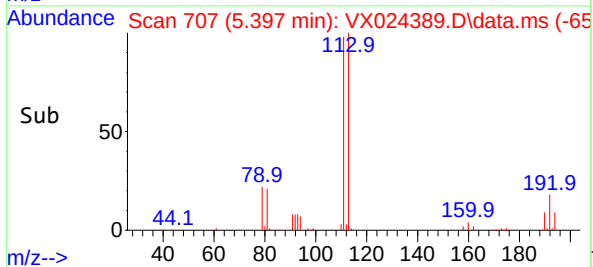
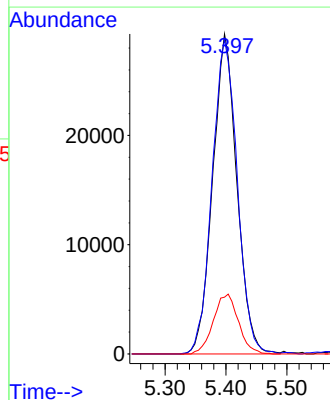
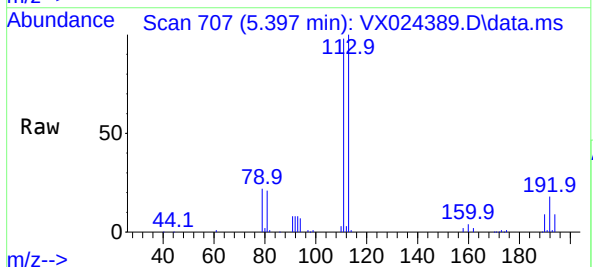
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

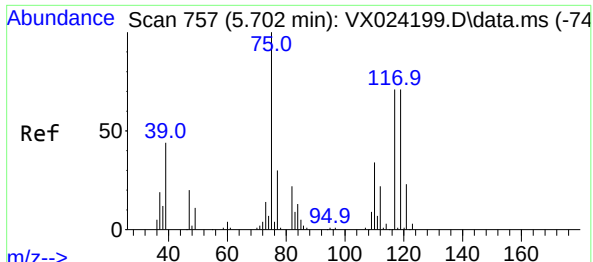
Tgt Ion:114 Resp: 243085
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.602 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion:113 Resp: 80862
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.3 16.7 25.1



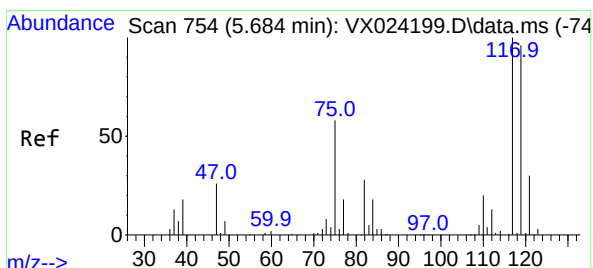
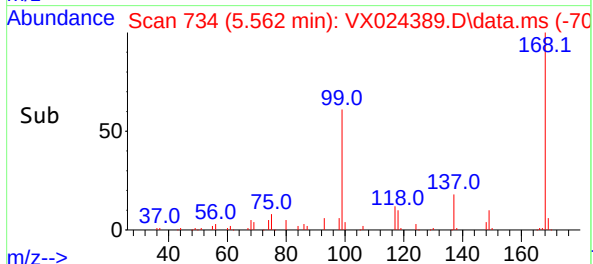
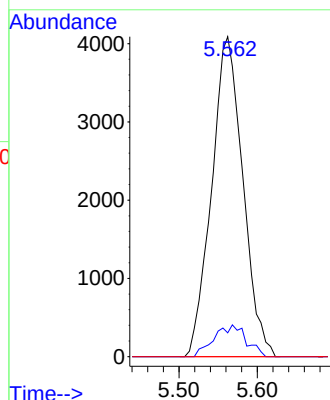
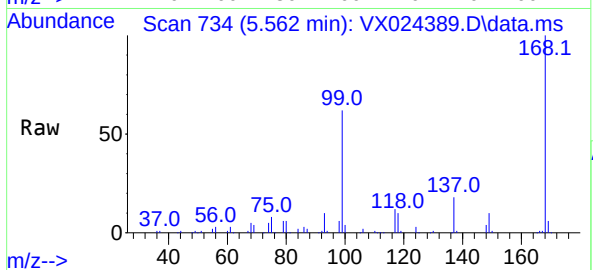


#36

1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

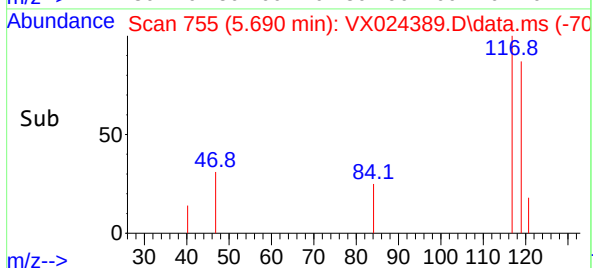
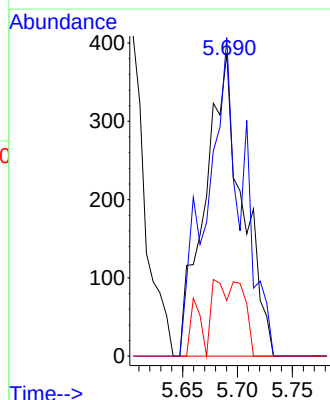
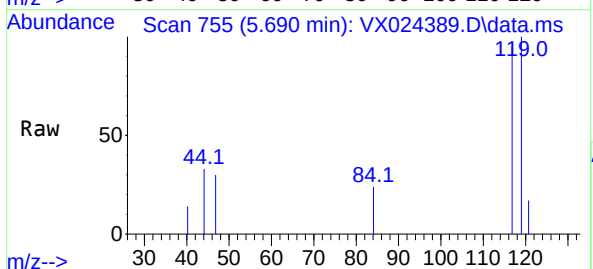
Tgt Ion: 75 Resp: 11327
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#

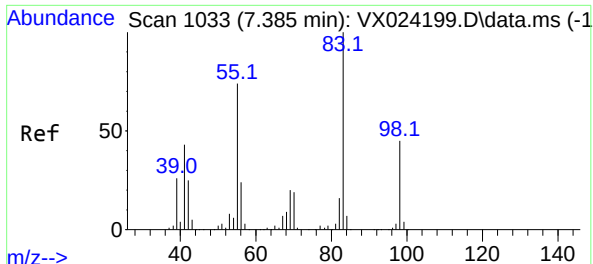


#38

Carbon Tetrachloride
Concen: 0.366 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 117 Resp: 920
Ion Ratio Lower Upper
117 100
119 105.2 76.2 114.2
121 18.3 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.566 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX024389.D

Acq: 21 Sep 2021 16:25

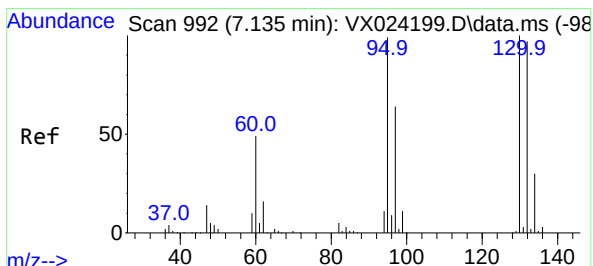
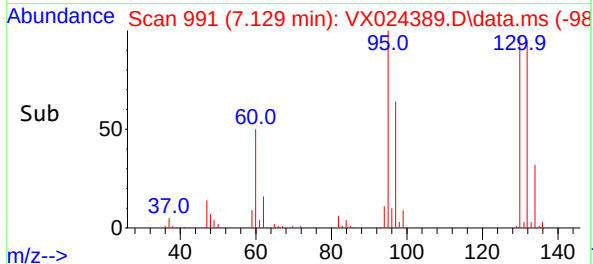
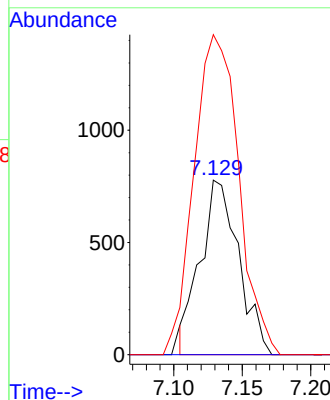
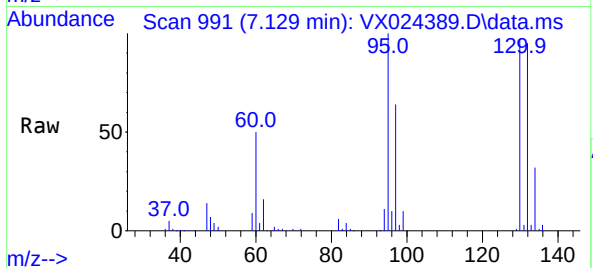
Tgt Ion: 83	Resp: 1510
Ion Ratio	Lower Upper
83 100	
55 0.0	58.9 88.3#
98 183.3	38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20210915DL



#44

Trichloroethene

Concen: 67.625 ug/l

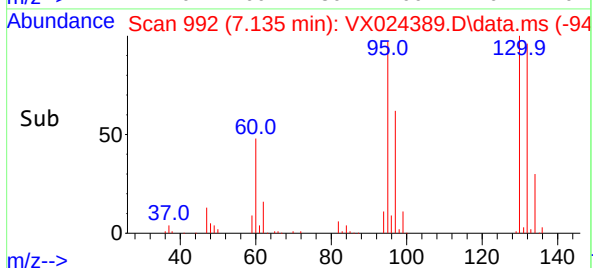
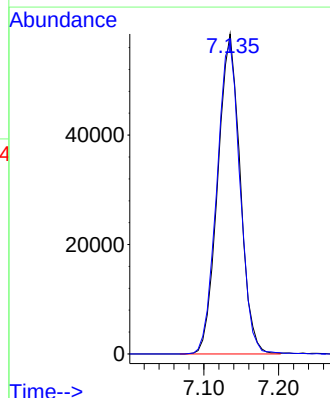
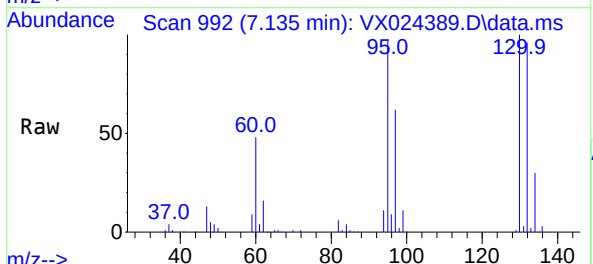
RT: 7.135 min Scan# 992

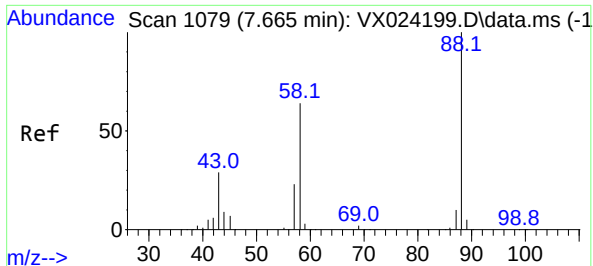
Delta R.T. -0.000 min

Lab File: VX024389.D

Acq: 21 Sep 2021 16:25

Tgt Ion: 130	Resp: 121795
Ion Ratio	Lower Upper
130 100	
95 97.2	0.0 198.0





#49

1,4-Dioxane

Concen: 0.947 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX024389.D

Acq: 21 Sep 2021 16:25

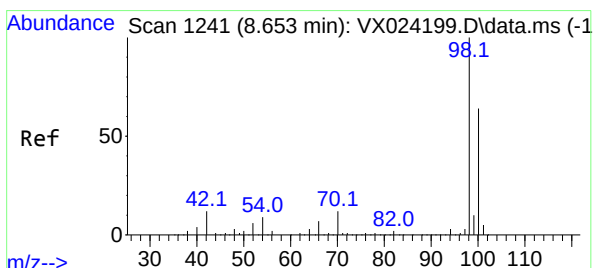
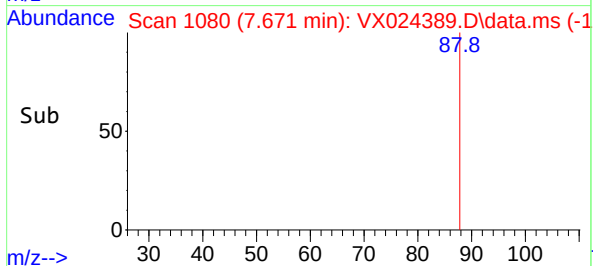
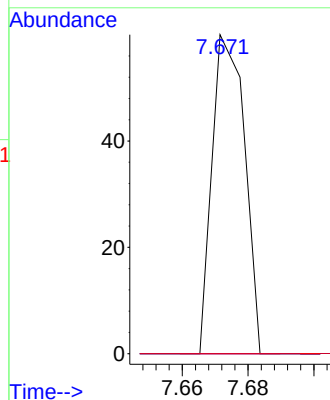
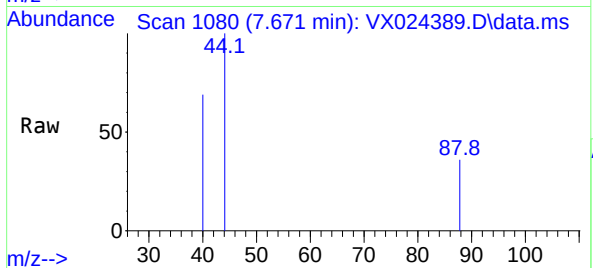
Tgt Ion: 88	Resp: 41
Ion Ratio	Lower Upper
88 100	
43 0.0	23.2 34.8#
58 0.0	55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20210915DL



#50

Toluene-d8

Concen: 51.866 ug/l

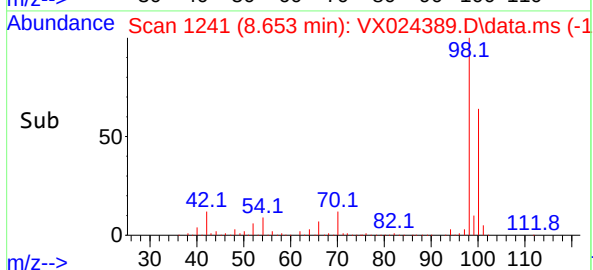
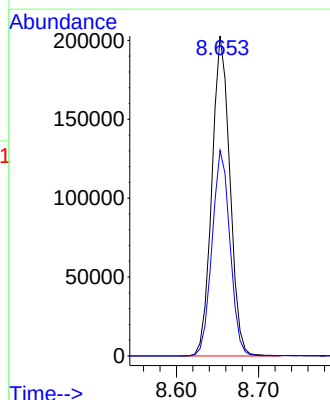
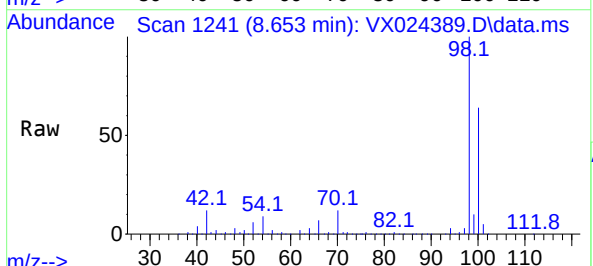
RT: 8.653 min Scan# 1241

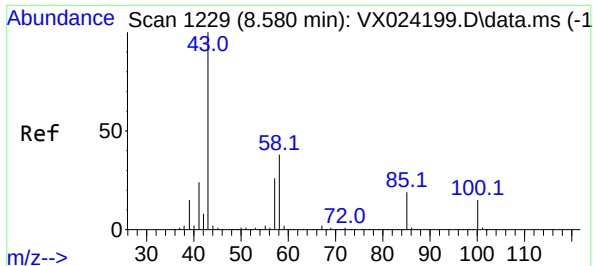
Delta R.T. -0.000 min

Lab File: VX024389.D

Acq: 21 Sep 2021 16:25

Tgt Ion: 98	Resp: 308025
Ion Ratio	Lower Upper
98 100	
100 64.2	51.9 77.9

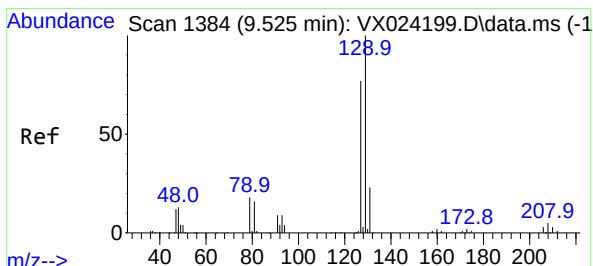
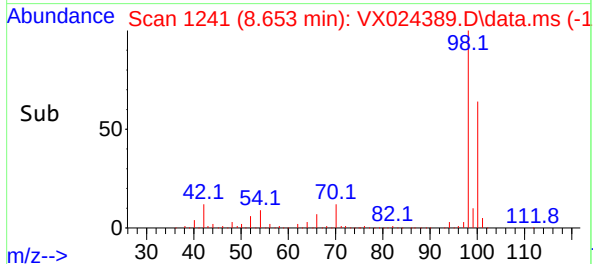
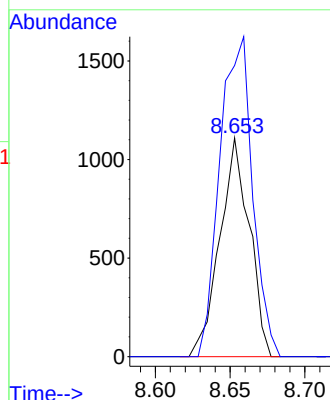
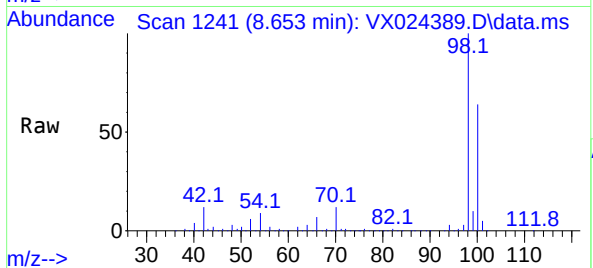




#51
4-Methyl-2-Pentanone
Concen: 0.578 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

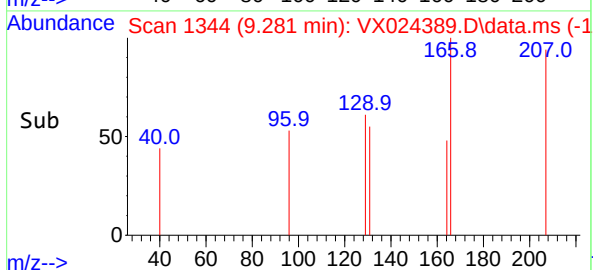
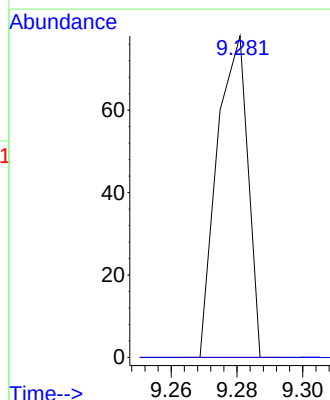
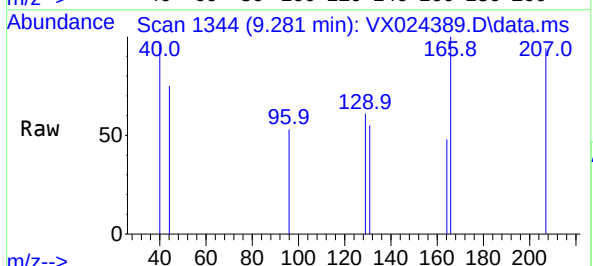
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

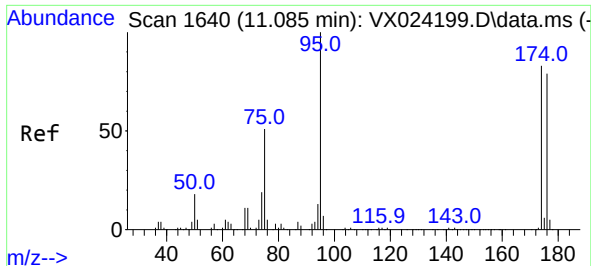
Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
58 161.8 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.750 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 129 Resp: 50
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

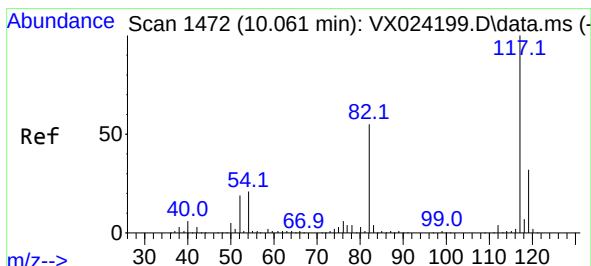
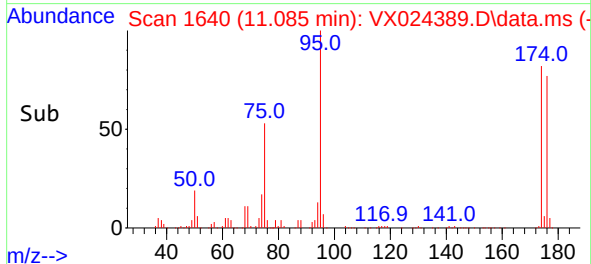
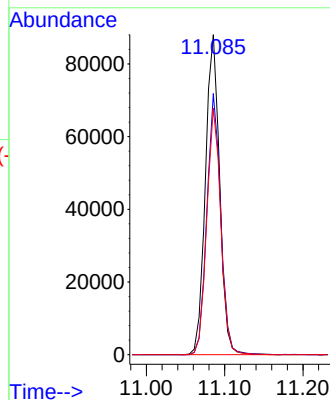
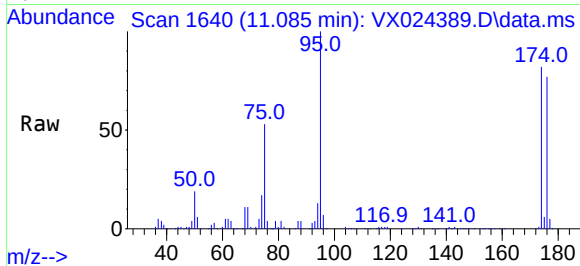




#62
4-Bromofluorobenzene
Concen: 47.827 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

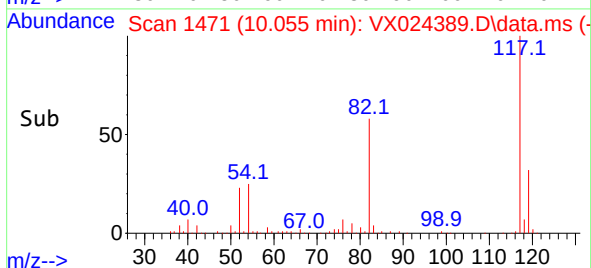
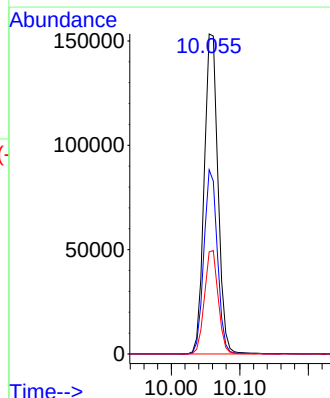
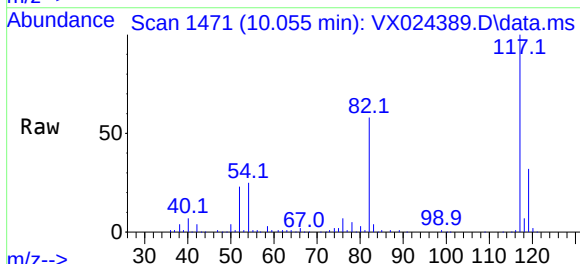
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

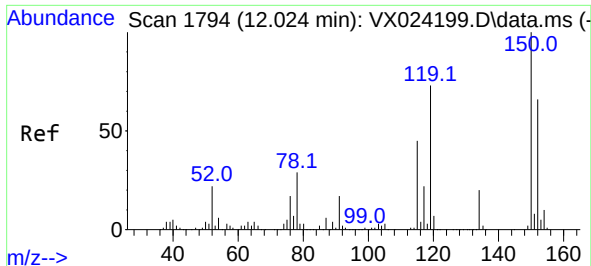
Tgt Ion: 95 Resp: 110537
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 75.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 117 Resp: 215668
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 31.9 26.6 39.8

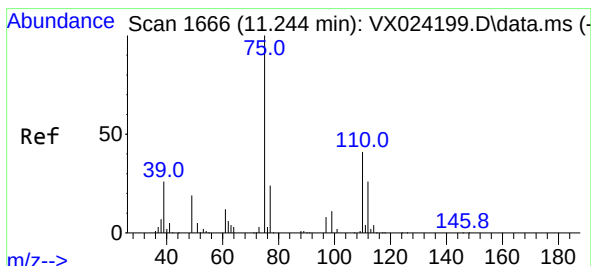
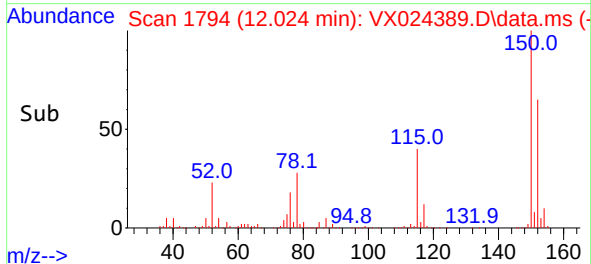
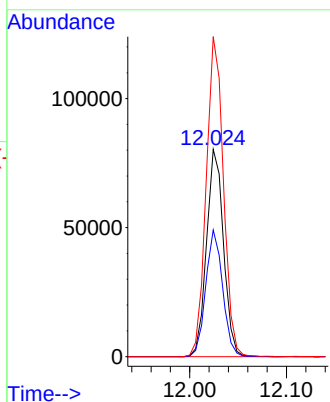
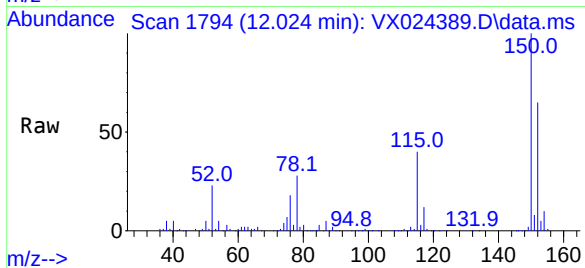




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

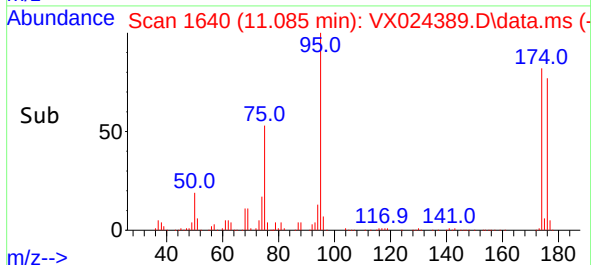
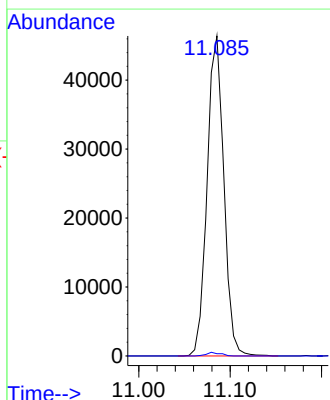
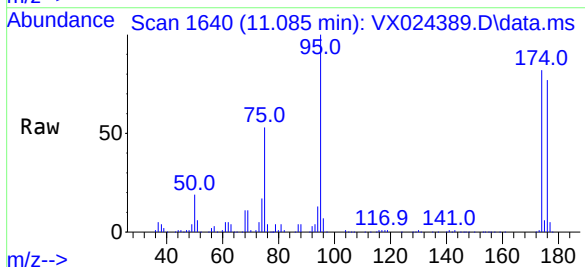
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

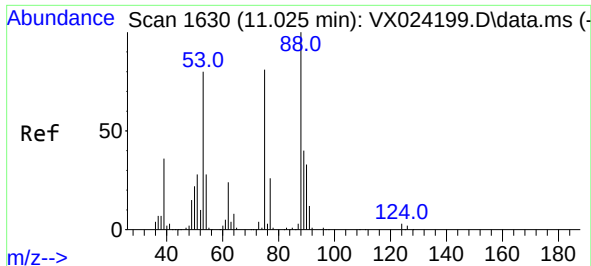
Tgt Ion:152 Resp: 98274
Ion Ratio Lower Upper
152 100
115 60.7 41.1 123.3
150 156.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.009 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 75 Resp: 58773
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

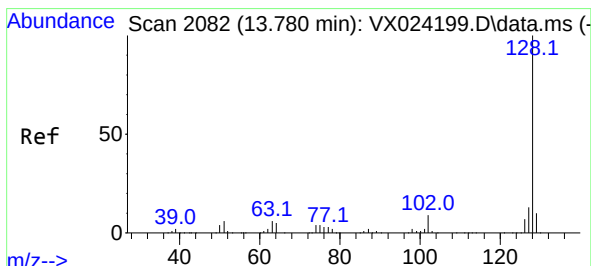
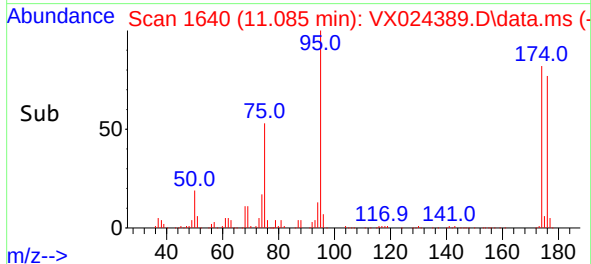
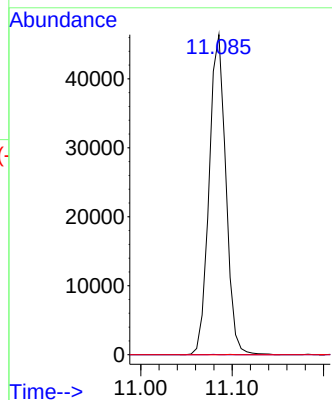
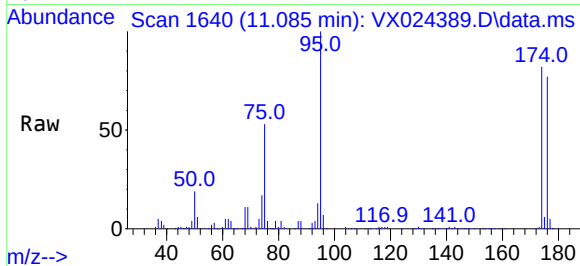




#81
trans-1,4-Dichloro-2-butene
Concen: 76.493 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20210915DL

Tgt Ion: 75 Resp: 58773
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.304 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024389.D
Acq: 21 Sep 2021 16:25

Tgt Ion: 128 Resp: 121
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

