

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024385.D
 Acq On : 21 Sep 2021 14:51
 Operator : JC/MD
 Sample : M3782-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20210915

Quant Time: Sep 21 15:41:36 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)

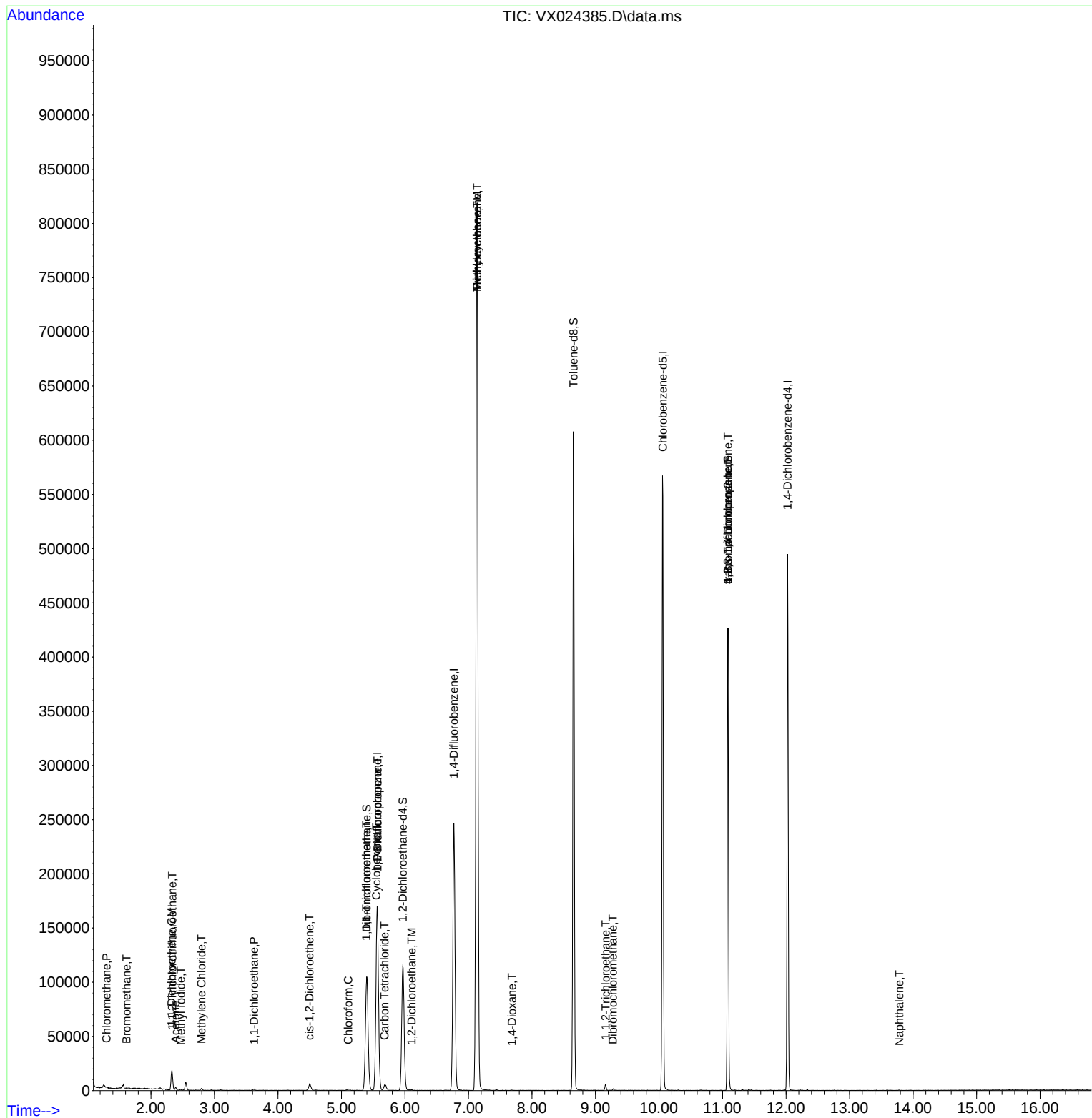
Internal Standards						
1) Pentafluorobenzene	5.562	168	155514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	253254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	117525	52.997	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 106.000%		
35) Dibromofluoromethane	5.397	113	92498	56.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 113.080%		
50) Toluene-d8	8.653	98	347927	58.380	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 116.760%#		
62) 4-Bromofluorobenzene	11.085	95	107502	46.351	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 92.700%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	595	0.381	ug/l	91
5) Bromomethane	1.618	94	388	0.420	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.337	101	3973	2.595	ug/l	97
10) Methyl Iodide	2.471	142	1053	0.497	ug/l #	83
11) Tert butyl alcohol	2.989	59	40	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	3212	2.240	ug/l	93
16) Acetone	2.386	43	2893	3.060	ug/l	89
20) Methylene Chloride	2.794	84	751	0.414	ug/l #	82
24) 1,1-Dichloroethane	3.623	63	1426	0.475	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	3641	2.008	ug/l	94
30) Chloroform	5.105	83	1696	0.531	ug/l #	81
31) Cyclohexane	5.550	56	3386	1.305	ug/l #	31
32) 1,1,1-Trichloroethane	5.391	97	638	0.223	ug/l #	40
36) 1,1-Dichloropropene	5.568	75	12093	5.392	ug/l #	49
38) Carbon Tetrachloride	5.678	117	2316	0.917	ug/l	90
39) Methylcyclohexane	7.135	83	3866	1.444	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	739	0.276	ug/l #	73
44) Trichloroethene	7.135	130	309857	171.443	ug/l	98
49) 1,4-Dioxane	7.684	88	159	3.658	ug/l #	68
55) 1,1,2-Trichloroethane	9.159	97	1443	0.804	ug/l #	80
60) Dibromochloromethane	9.275	129	153	1.799	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	58183	25.316	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58183	74.455	ug/l #	12
95) Naphthalene	13.786	128	253	1.322	ug/l #	79

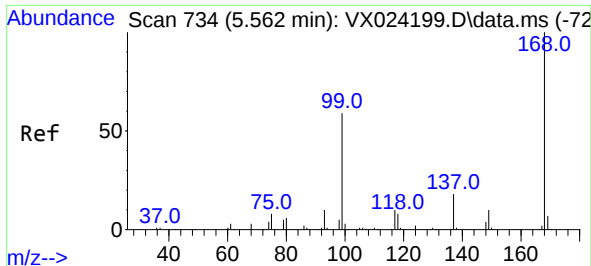
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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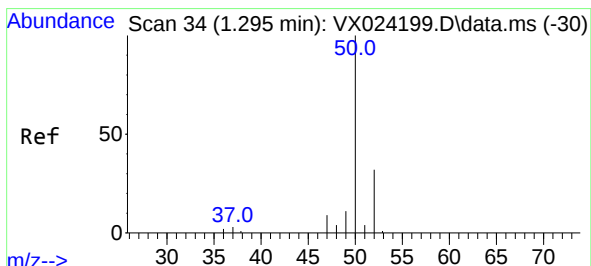
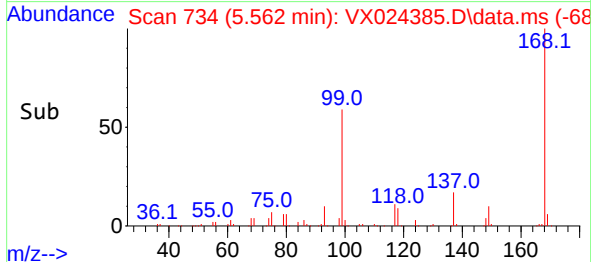
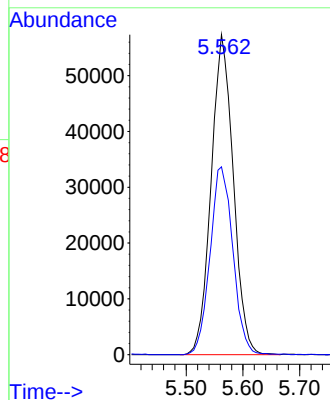
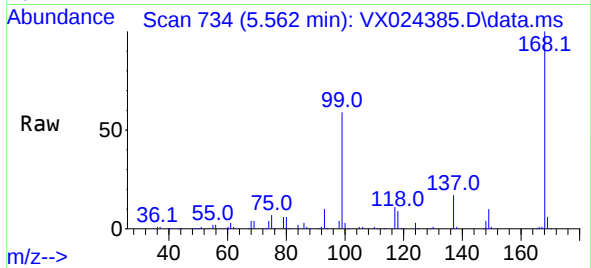




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

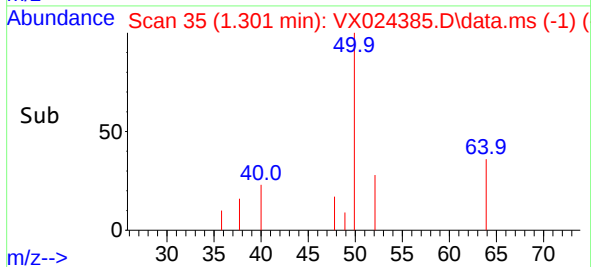
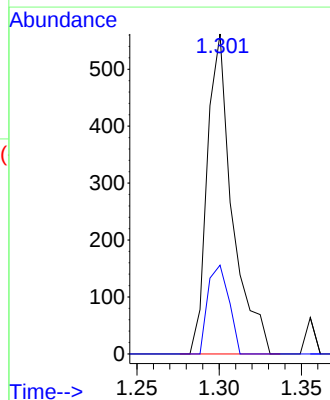
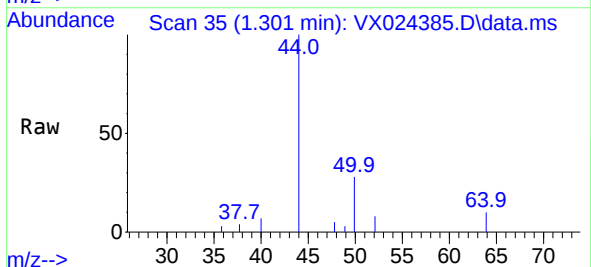
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

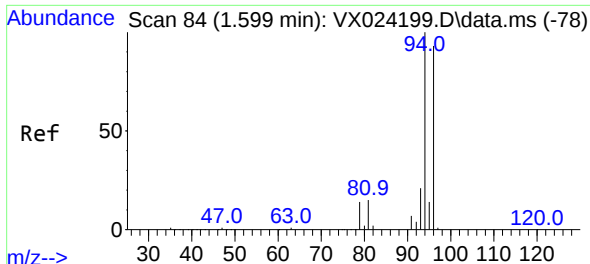
Tgt Ion:168 Resp: 155514
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#3
Chloromethane
Concen: 0.381 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 50 Resp: 595
Ion Ratio Lower Upper
50 100
52 27.8 26.4 39.6

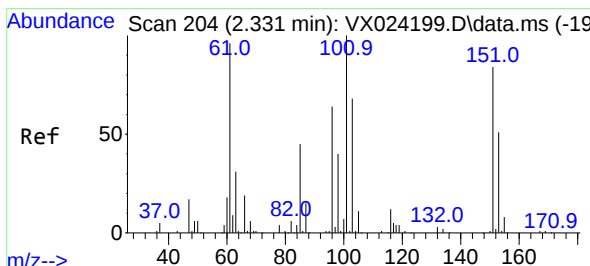
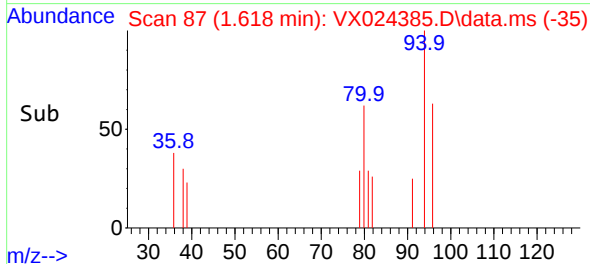
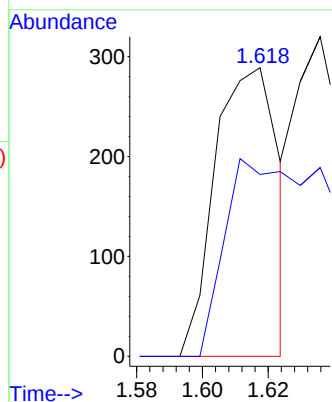
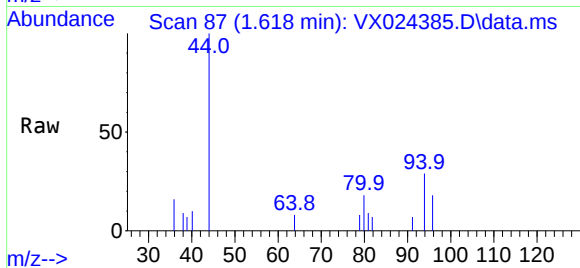




#5
Bromomethane
Concen: 0.420 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

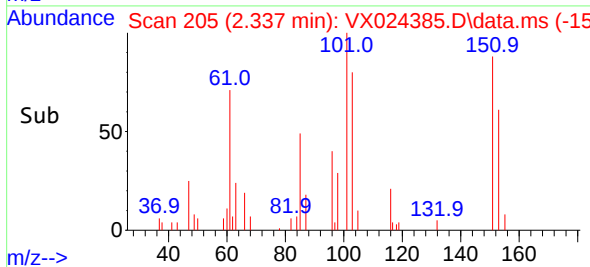
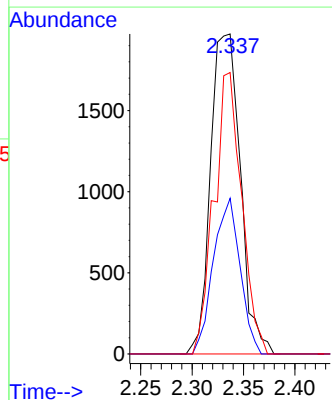
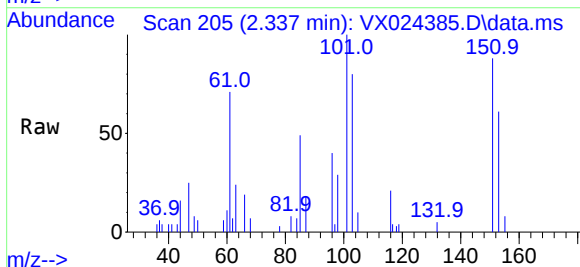
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

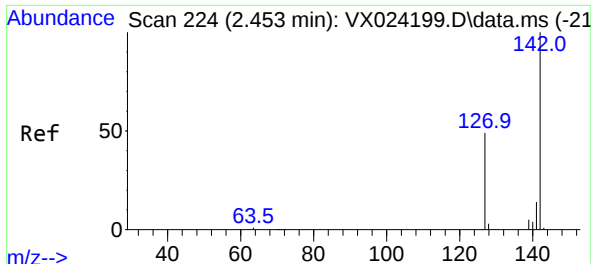
Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 63.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.595 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

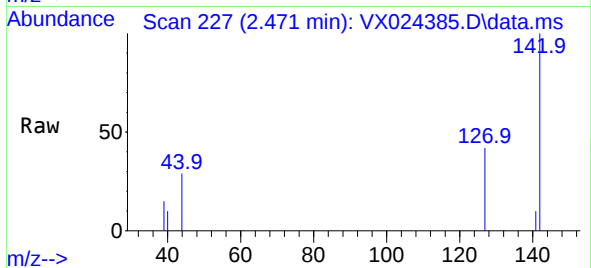
Tgt Ion: 101 Resp: 3973
Ion Ratio Lower Upper
101 100
85 43.6 34.9 52.3
151 81.4 61.4 92.2



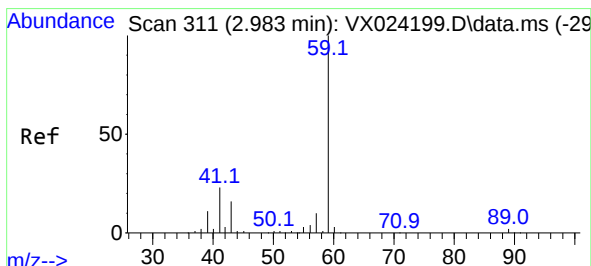
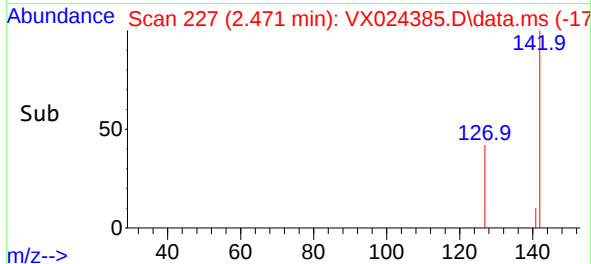
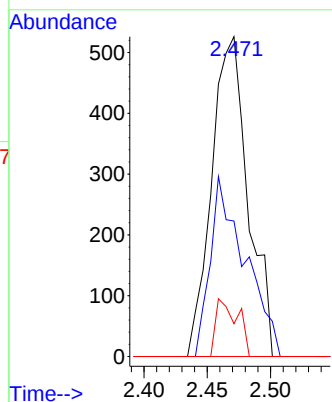


#10
Methyl Iodide
Concen: 0.497 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

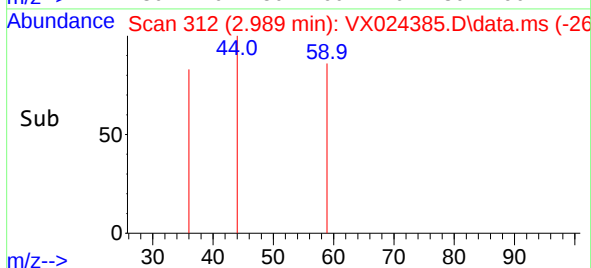
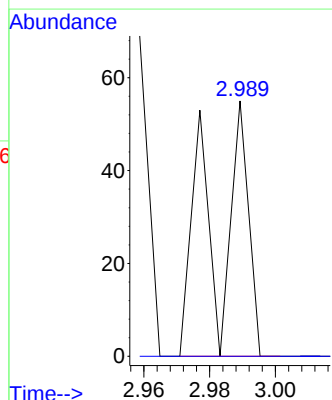
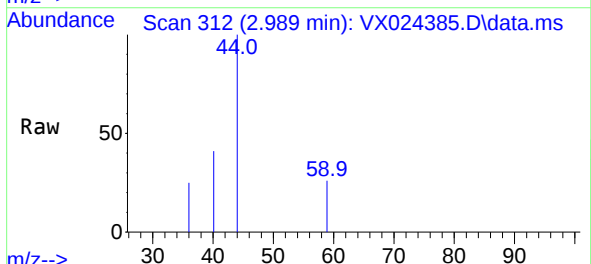


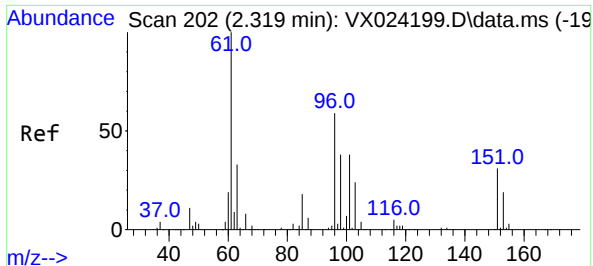
Tgt Ion:142 Resp: 1053
Ion Ratio Lower Upper
142 100
127 53.8 33.3 49.9#
141 10.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.989 min Scan# 312
Delta R.T. 0.006 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 59 Resp: 40
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 2.240 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024385.D

Acq: 21 Sep 2021 14:51

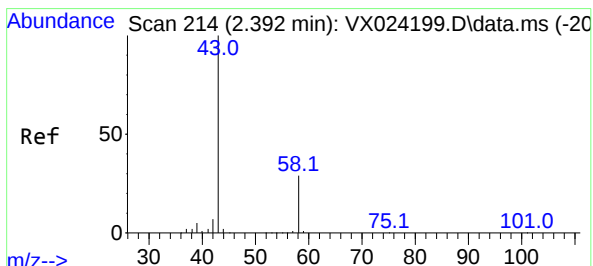
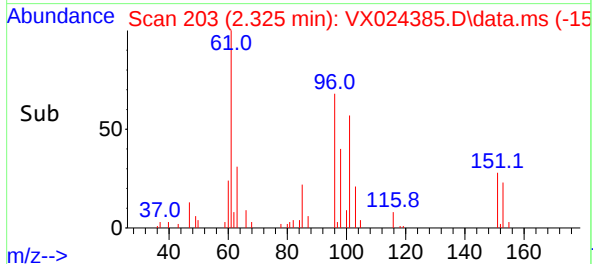
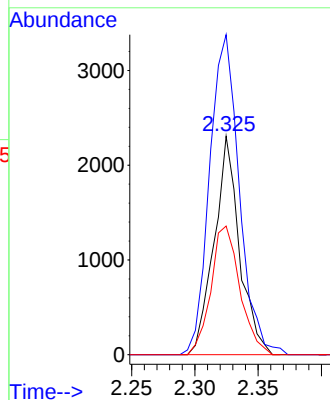
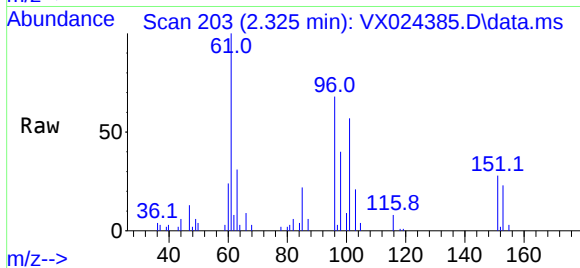
Tgt Ion: 96 Resp: 3212

Ion Ratio Lower Upper

96 100

61 146.6 124.6 187.0

98 59.0 50.6 76.0



#16

Acetone

Concen: 3.060 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX024385.D

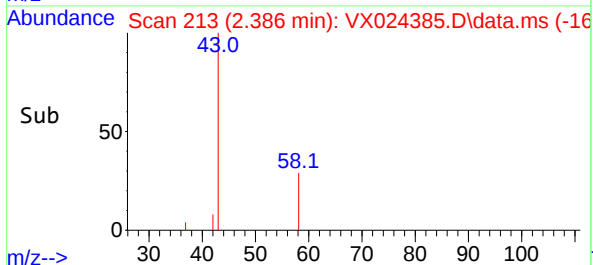
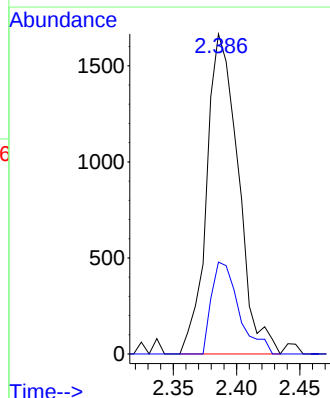
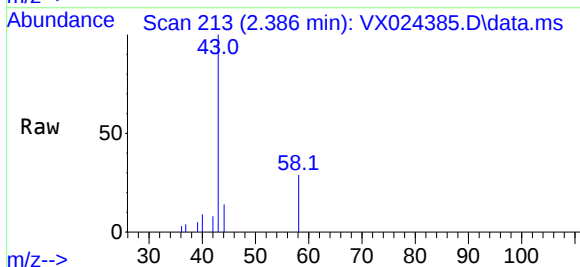
Acq: 21 Sep 2021 14:51

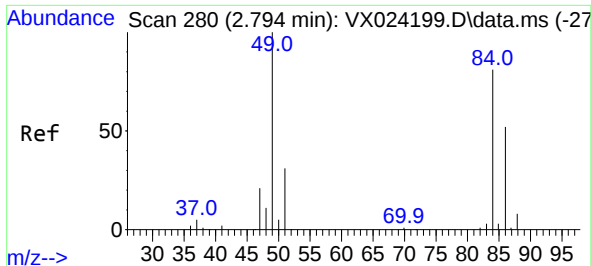
Tgt Ion: 43 Resp: 2893

Ion Ratio Lower Upper

43 100

58 28.7 27.8 41.8





#20

Methylene Chloride

Concen: 0.414 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024385.D

Acq: 21 Sep 2021 14:51

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20210915

Tgt Ion: 84 Resp: 751

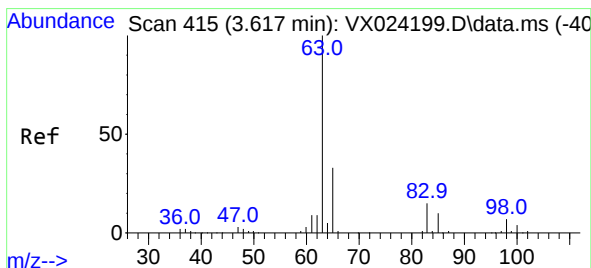
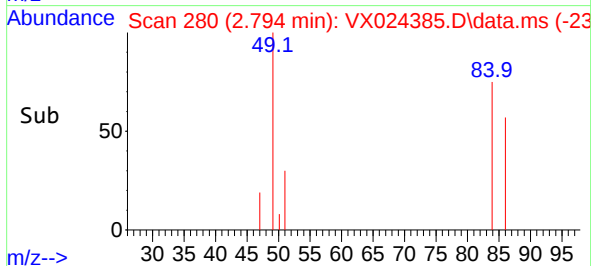
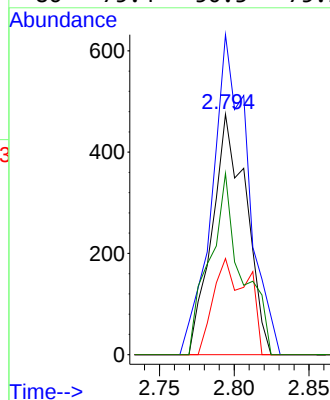
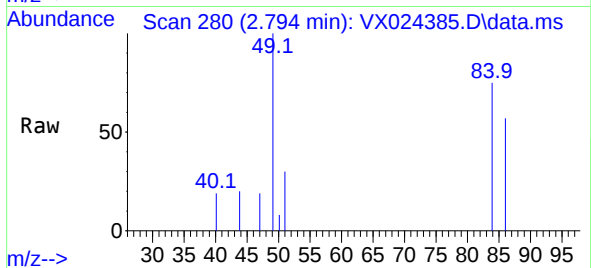
Ion Ratio Lower Upper

84 100

49 133.1 88.6 132.8#

51 40.0 27.0 40.6

86 75.4 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.475 ug/l

RT: 3.623 min Scan# 416

Delta R.T. 0.006 min

Lab File: VX024385.D

Acq: 21 Sep 2021 14:51

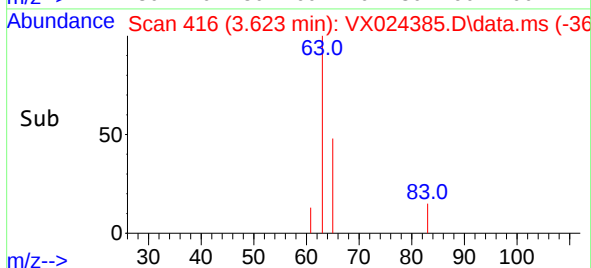
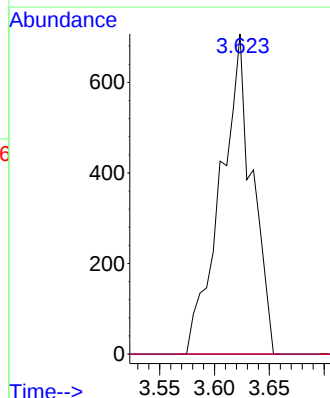
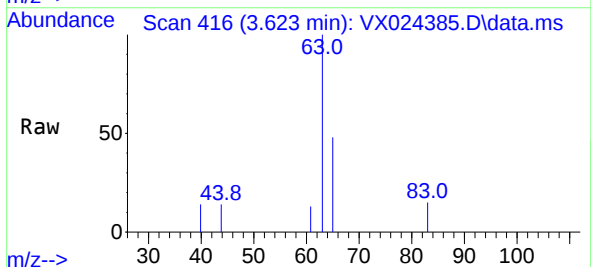
Tgt Ion: 63 Resp: 1426

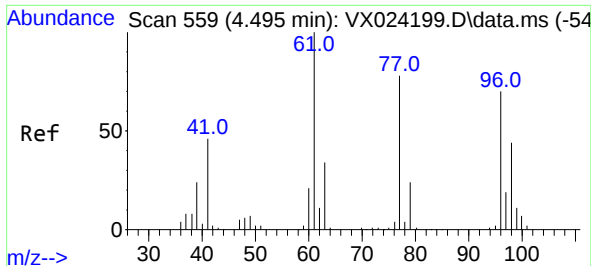
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#



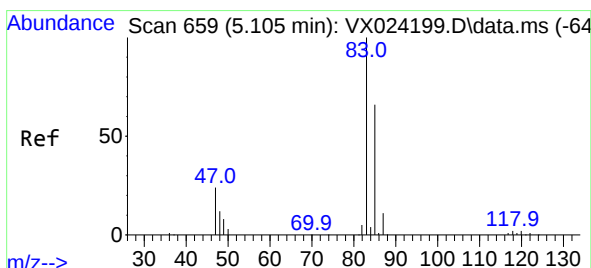
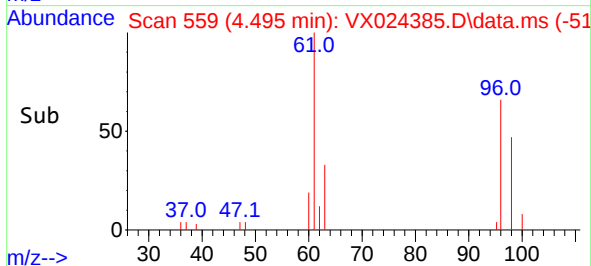
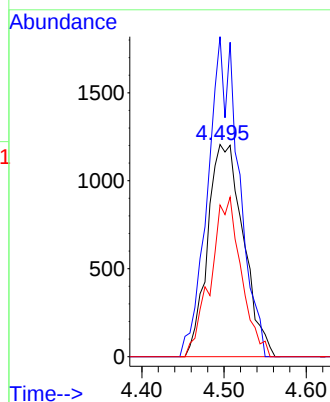
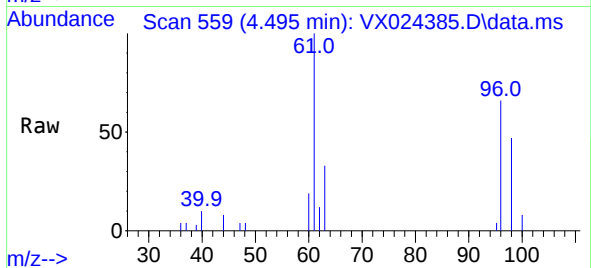


#27
cis-1,2-Dichloroethene
Concen: 2.008 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Instrument :
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Tgt Ion: 96 Resp: 3641

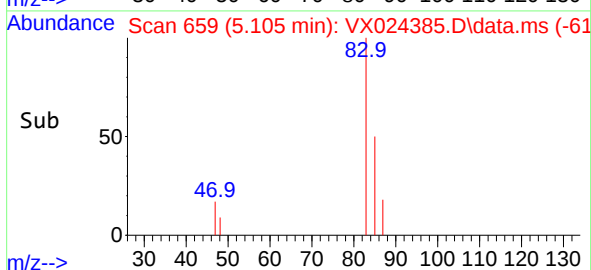
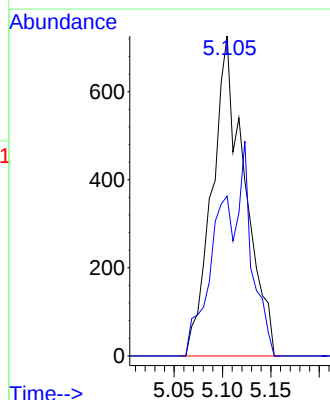
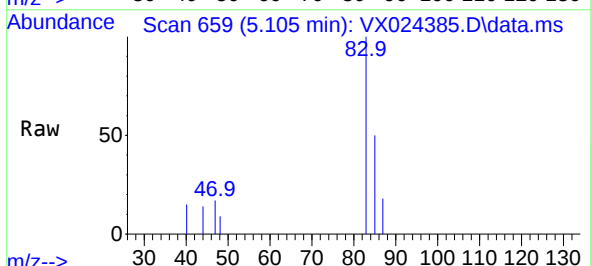
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	285.6
98	64.7	0.0	129.6

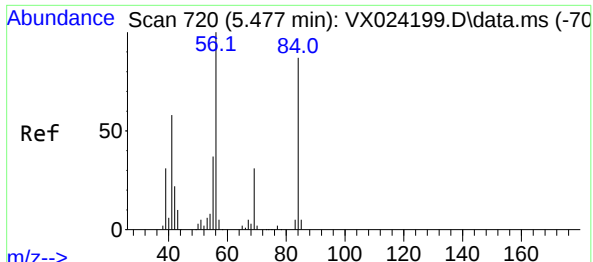


#30
Chloroform
Concen: 0.531 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 83 Resp: 1696

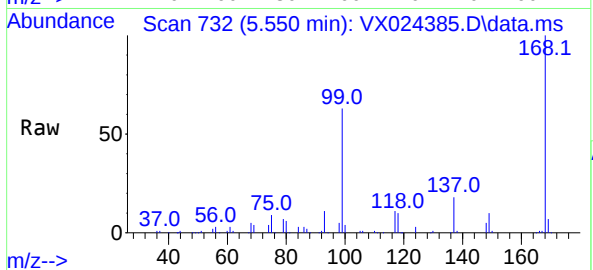
Ion	Ratio	Lower	Upper
83	100		
85	49.9	52.0	78.0#



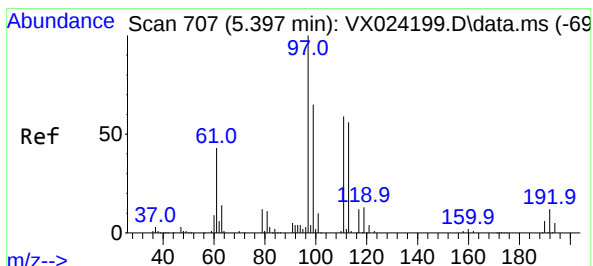
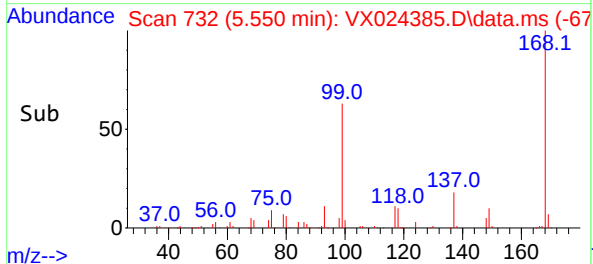
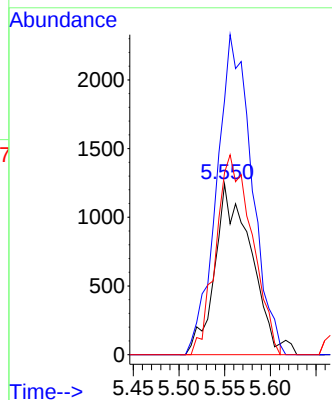


#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

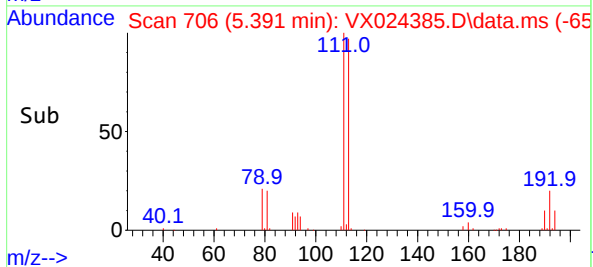
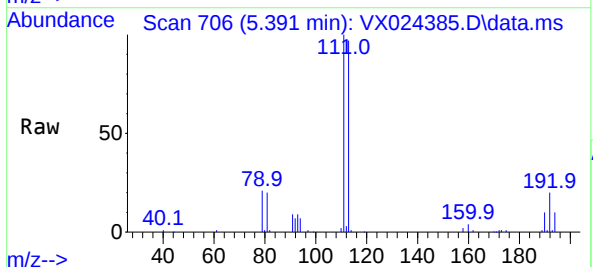
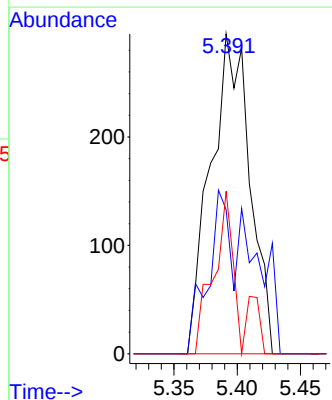


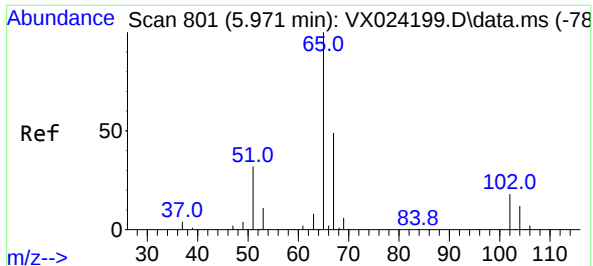
Tgt Ion: 56 Resp: 3386
Ion Ratio Lower Upper
56 100
69 148.9 25.3 37.9#
84 106.6 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.223 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 97 Resp: 638
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 24.9 34.2 51.4#



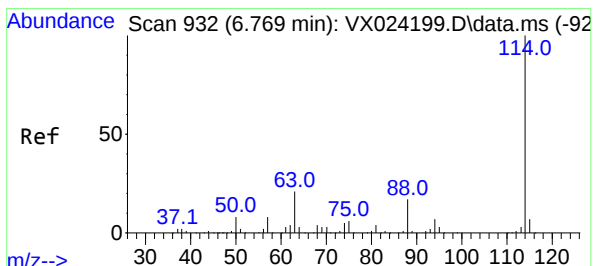
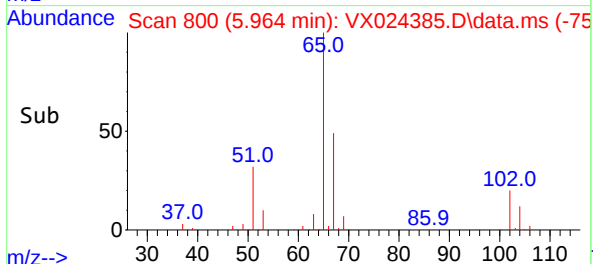
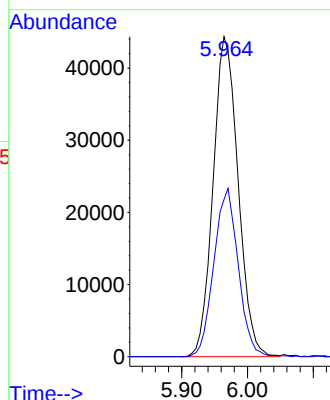
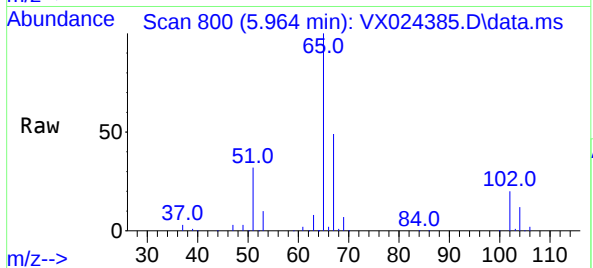


#33

1,2-Dichloroethane-d4
Concen: 52.997 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

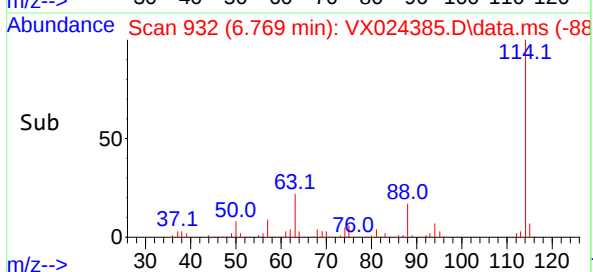
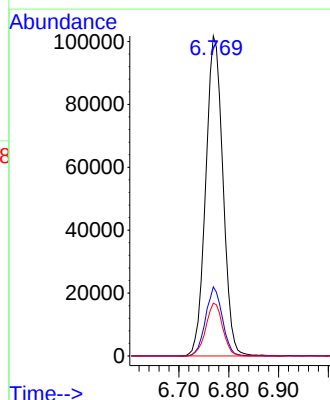
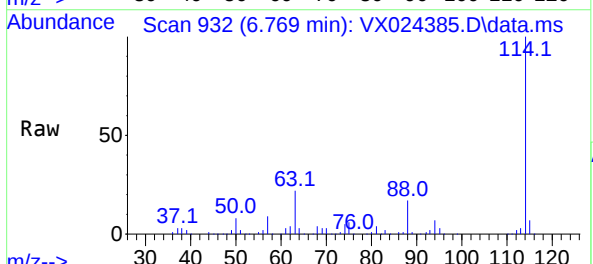
Tgt Ion: 65 Resp: 117525
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4

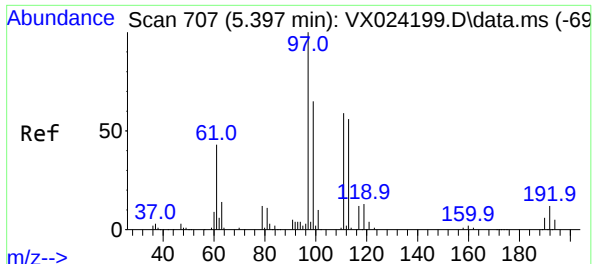


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 114 Resp: 243938
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 16.5 0.0 32.8

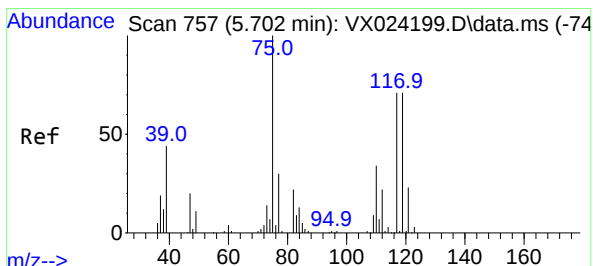
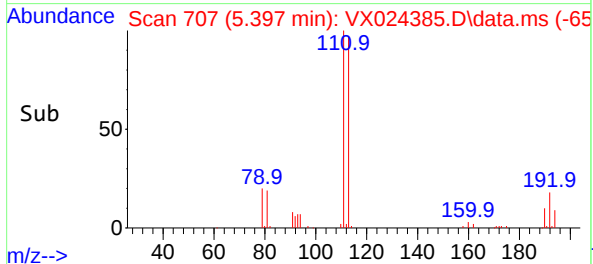
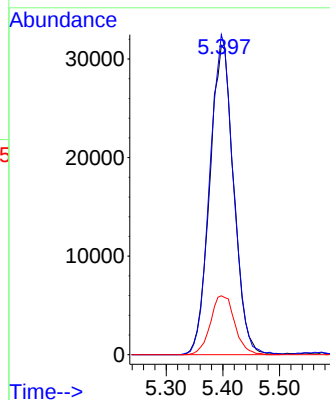
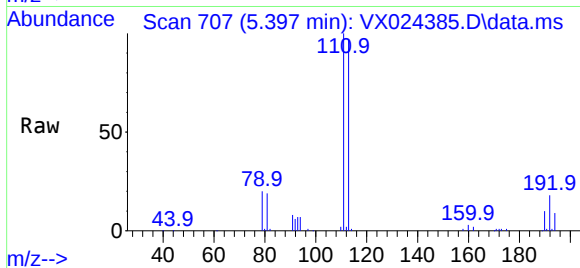




#35
Dibromofluoromethane
Concen: 56.541 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

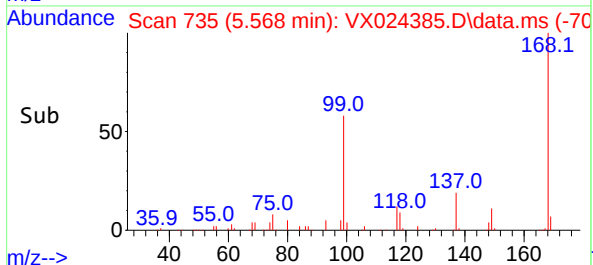
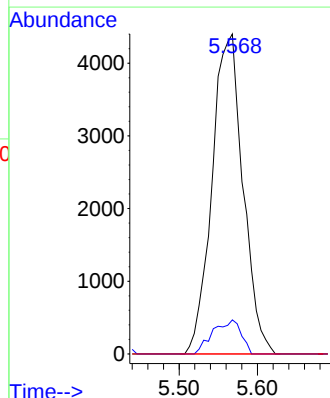
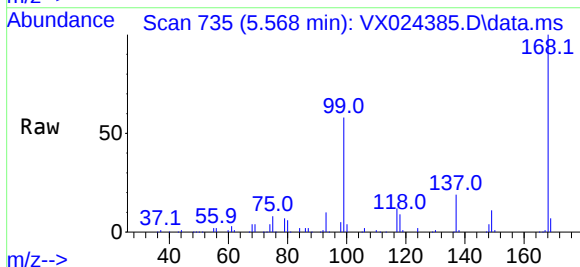
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

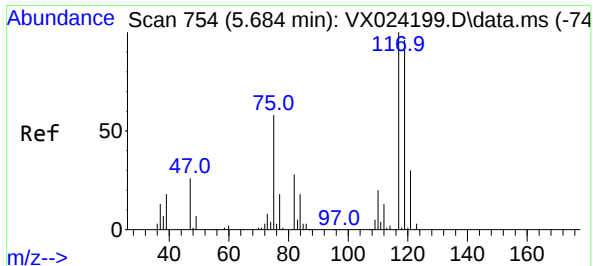
Tgt Ion:	113	Resp:	92498
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.9	122.9
192	19.2	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.392 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion:	75	Resp:	12093
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.4#
77	0.0	25.3	37.9#

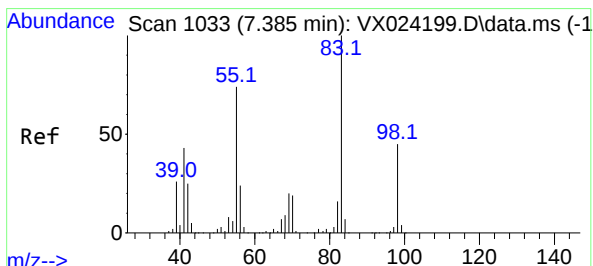
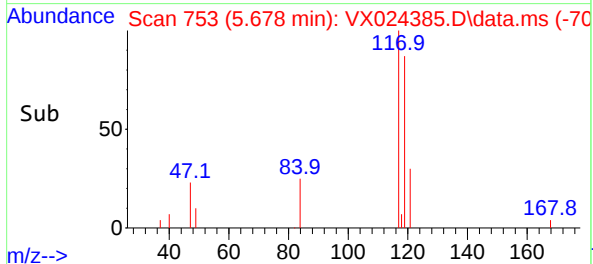
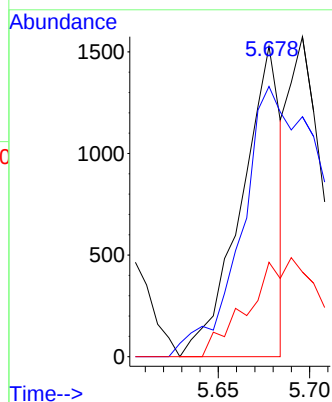
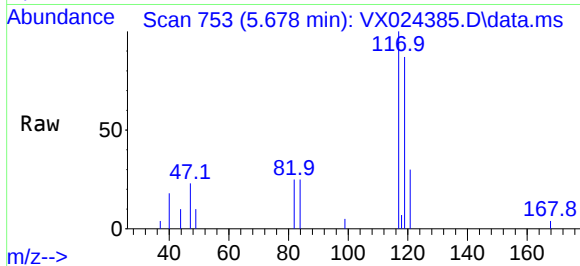




#38
Carbon Tetrachloride
Concen: 0.917 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

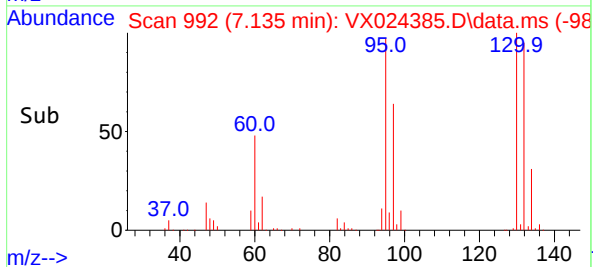
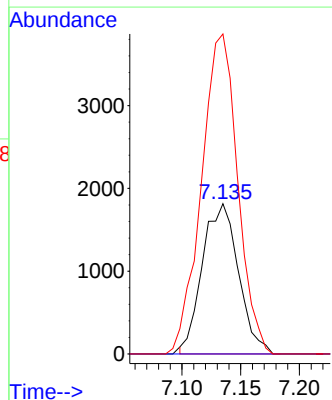
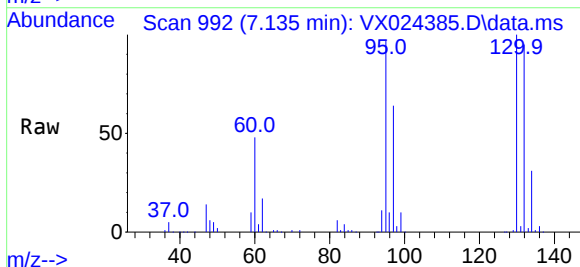
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

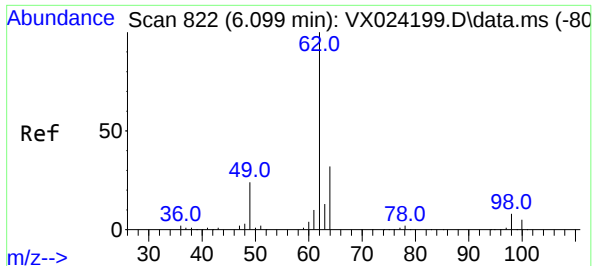
Tgt Ion:	117	Resp:	2316
Ion	Ratio	Lower	Upper
117	100		
119	82.8	76.2	114.2
121	30.5	24.8	37.2



#39
Methylcyclohexane
Concen: 1.444 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion:	83	Resp:	3866
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	213.1	38.1	57.1#





#42

1,2-Dichloroethane

Concen: 0.276 ug/l

RT: 6.105 min Scan# 823

Delta R.T. 0.006 min

Lab File: VX024385.D

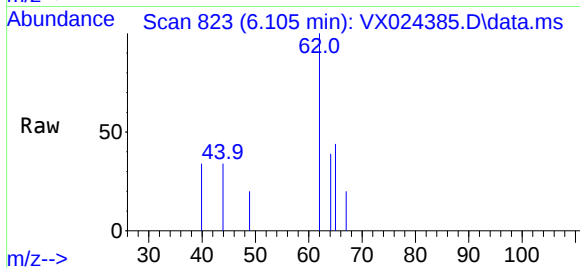
Acq: 21 Sep 2021 14:51

Tgt Ion: 62 Resp: 739

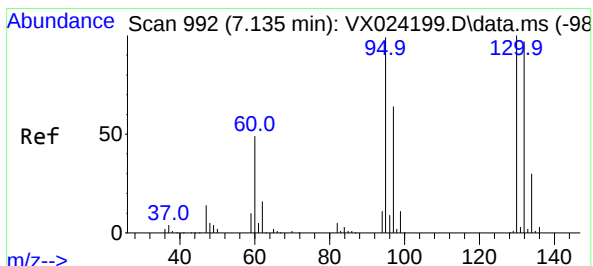
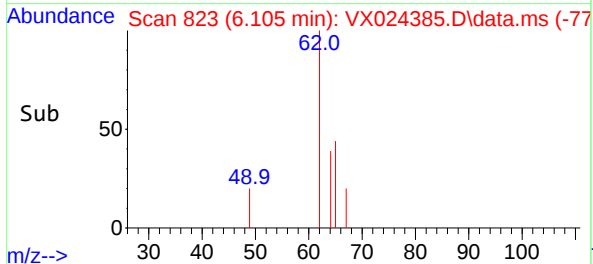
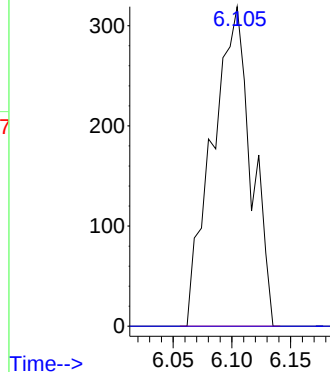
Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



Abundance



#44

Trichloroethene

Concen: 171.443 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX024385.D

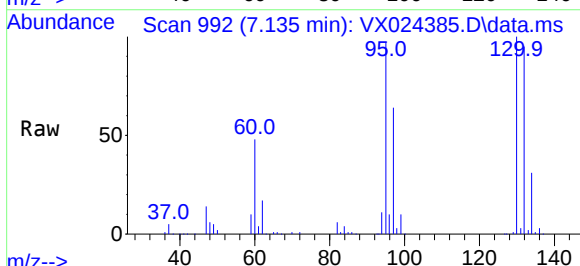
Acq: 21 Sep 2021 14:51

Tgt Ion:130 Resp: 309857

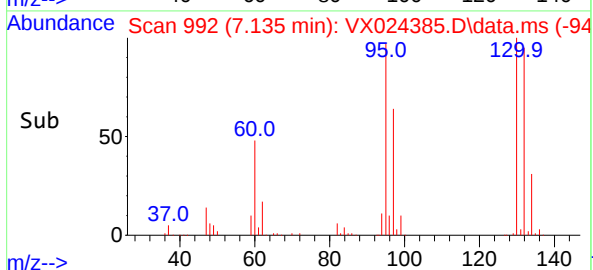
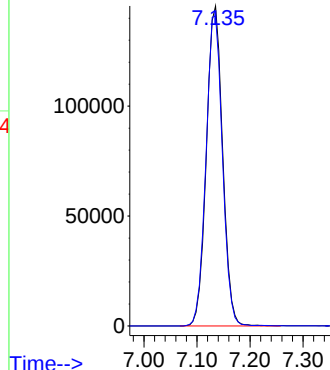
Ion Ratio Lower Upper

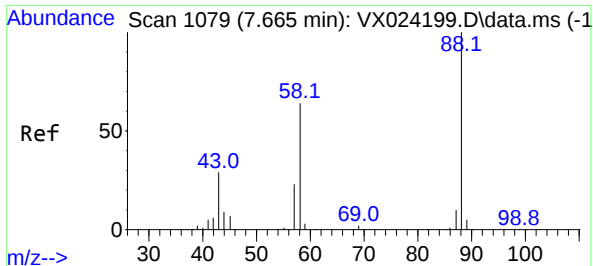
130 100

95 96.9 0.0 198.0



Abundance

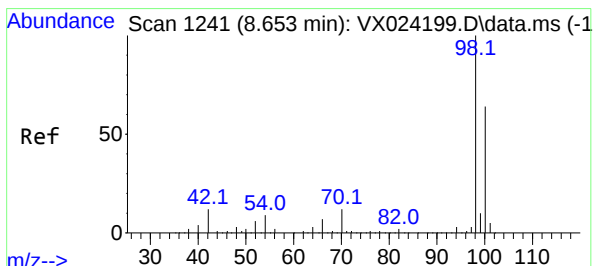
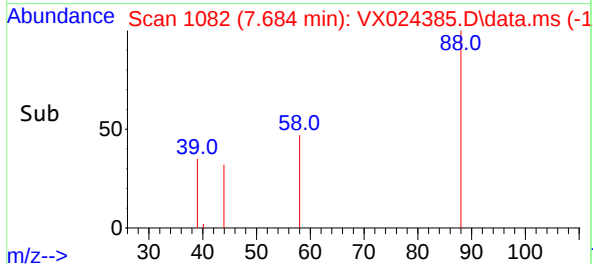
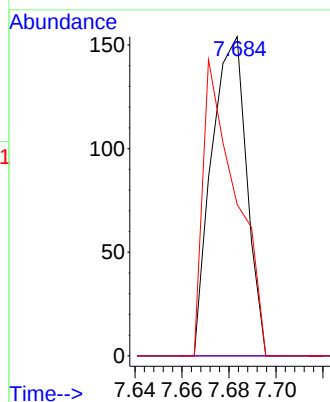
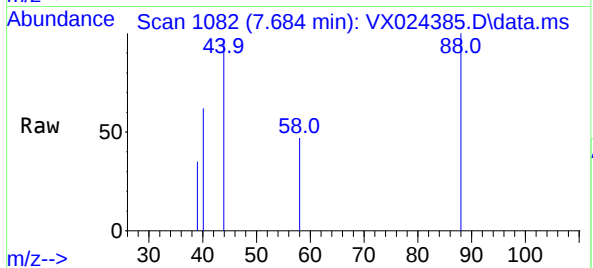




#49
1,4-Dioxane
Concen: 3.658 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

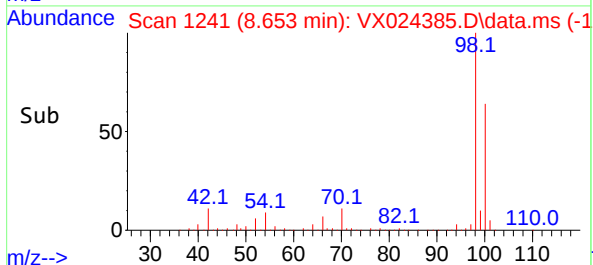
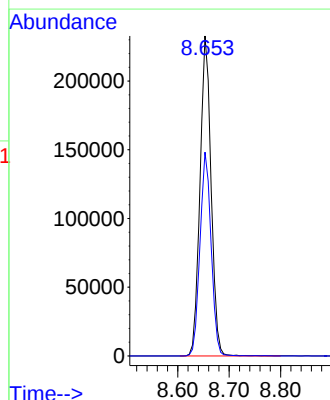
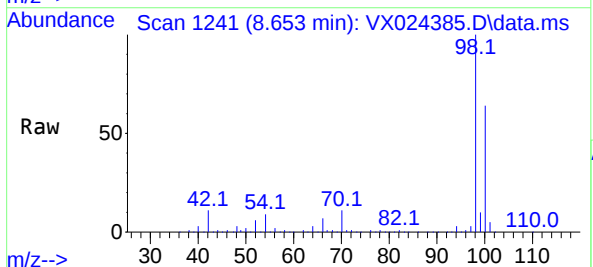
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

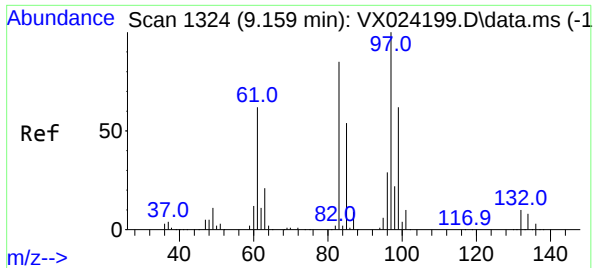
Tgt Ion: 88 Resp: 159
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 87.4 55.0 82.4#



#50
Toluene-d8
Concen: 58.380 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 98 Resp: 347927
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

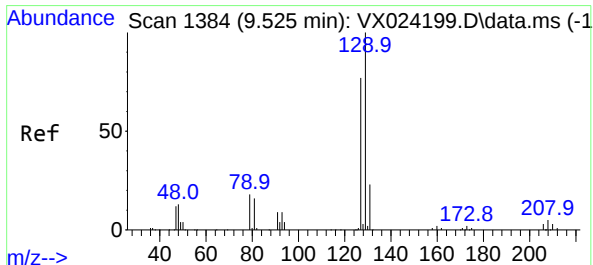
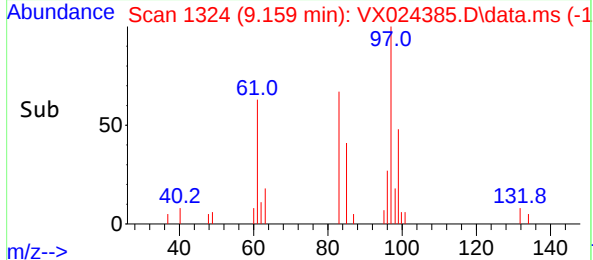
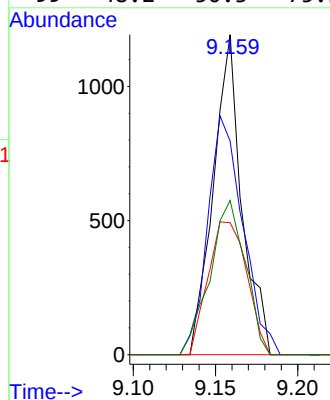
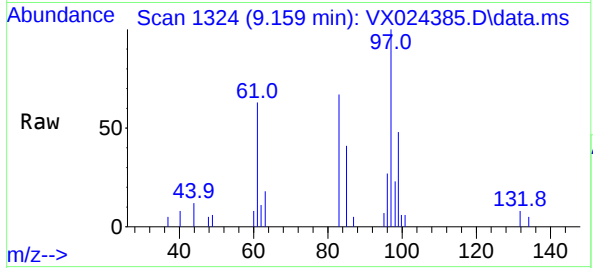




#55
1,1,2-Trichloroethane
Concen: 0.804 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

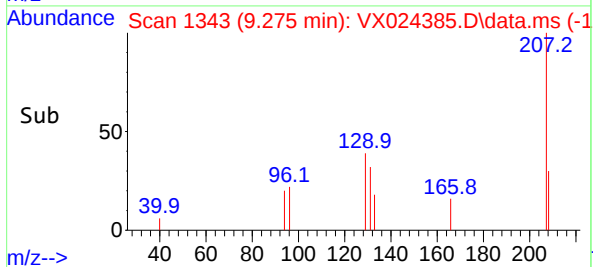
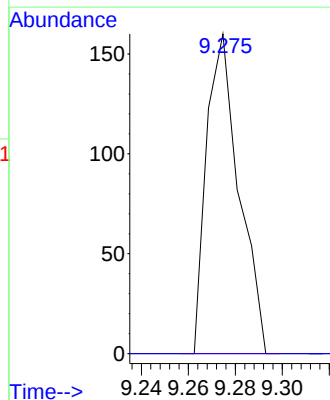
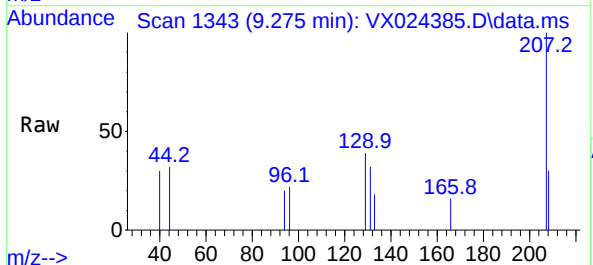
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

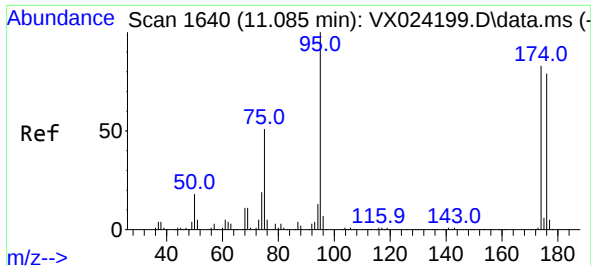
Tgt Ion: 97	Resp:	1443
Ion	Ratio	Lower Upper
97	100	
83	66.7	69.3 103.9#
85	41.2	44.3 66.5#
99	48.2	50.3 75.5#



#60
Dibromochloromethane
Concen: 1.799 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 129	Resp:	153
Ion	Ratio	Lower Upper
129	100	
127	0.0	38.4 115.2#

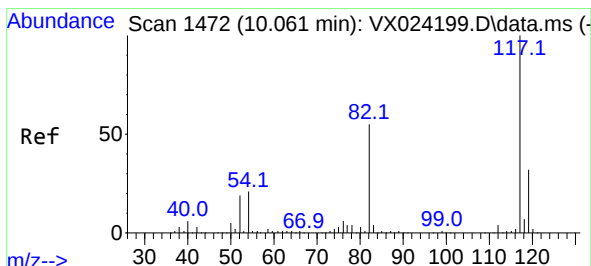
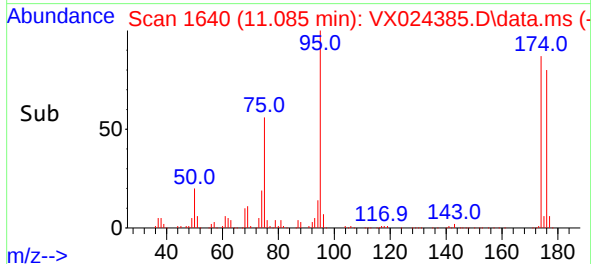
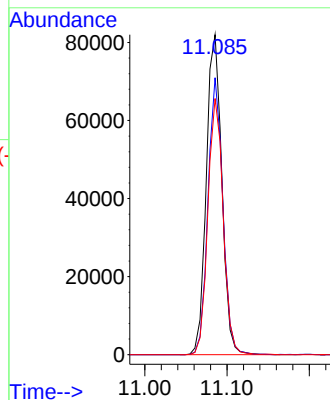
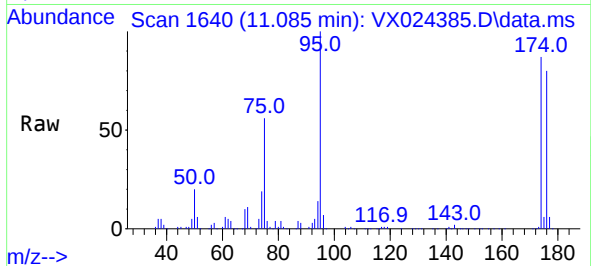




#62
4-Bromofluorobenzene
Concen: 46.351 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

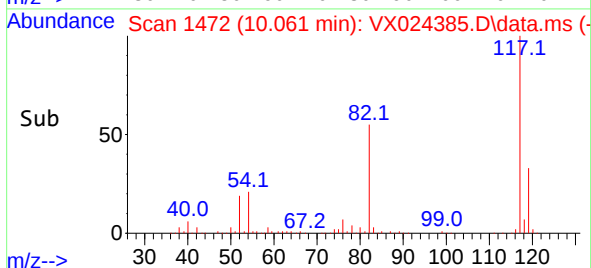
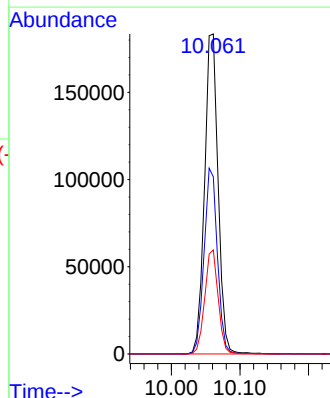
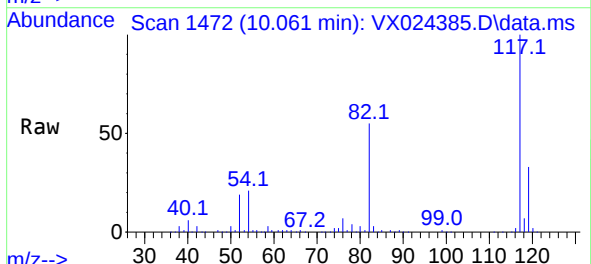
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

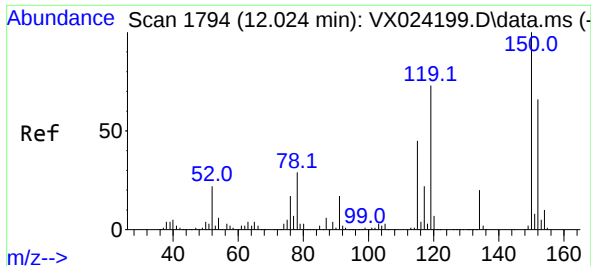
Tgt Ion: 95 Resp: 107502
Ion Ratio Lower Upper
95 100
174 82.9 0.0 154.6
176 78.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 117 Resp: 253254
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 32.5 26.6 39.8

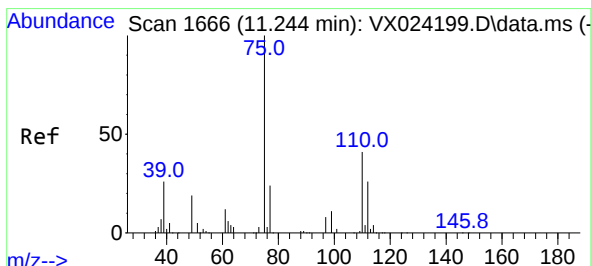
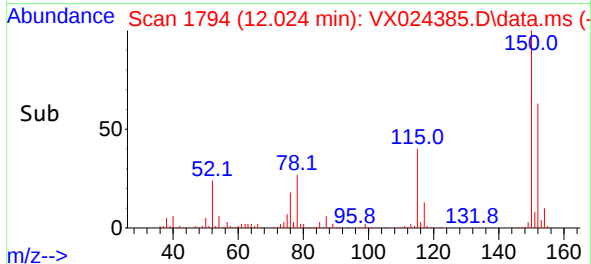
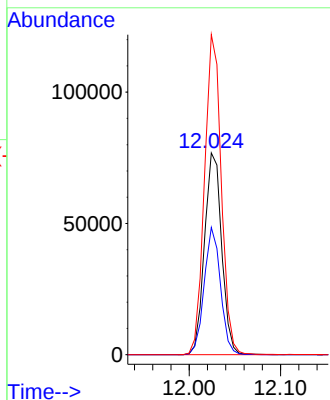
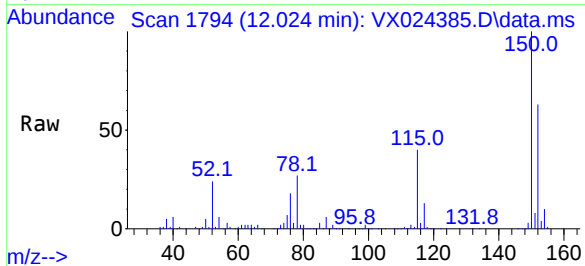




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

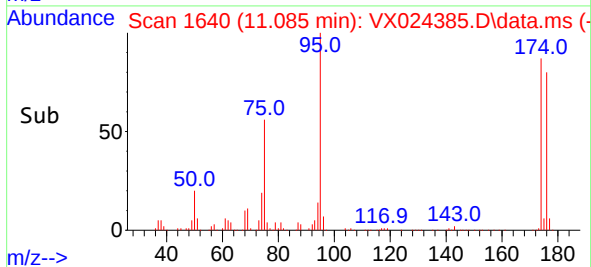
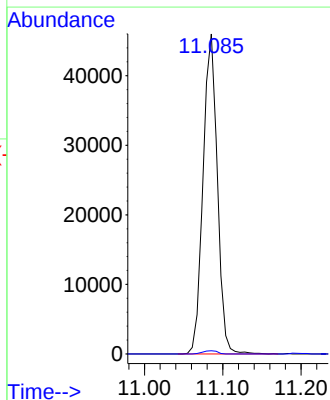
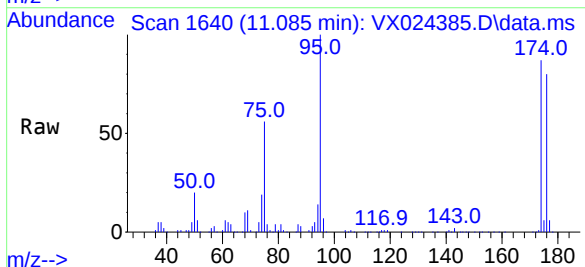
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

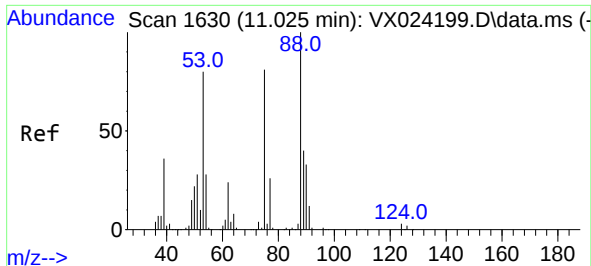
Tgt Ion:152 Resp: 99950
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 155.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.316 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion: 75 Resp: 58183
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

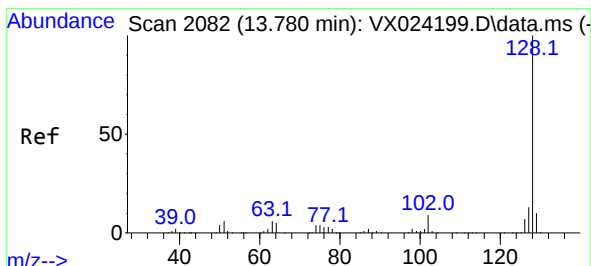
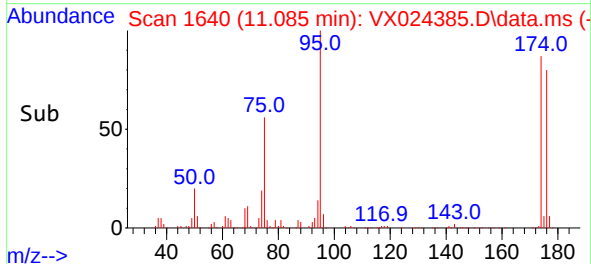
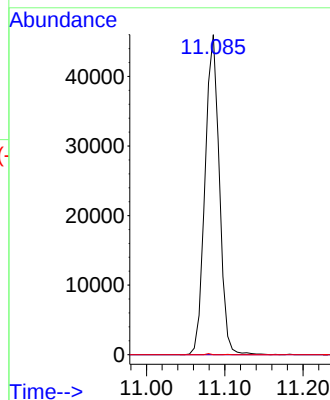
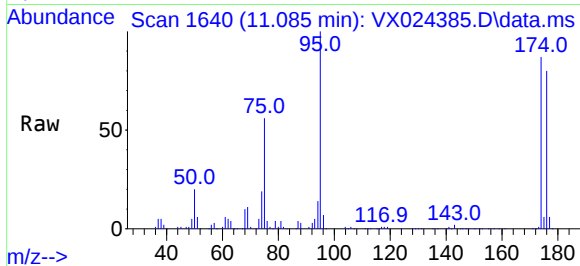




#81
trans-1,4-Dichloro-2-butene
Concen: 74.455 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20210915

Tgt Ion: 75 Resp: 58183
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.322 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024385.D
Acq: 21 Sep 2021 14:51

Tgt Ion:128 Resp: 253
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 8.3 8.8 13.2#

