

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024420.D
 Acq On : 22 Sep 2021 05:46
 Operator : JC/MD
 Sample : M3833-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20210920

Quant Time: Oct 01 04:14:05 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)

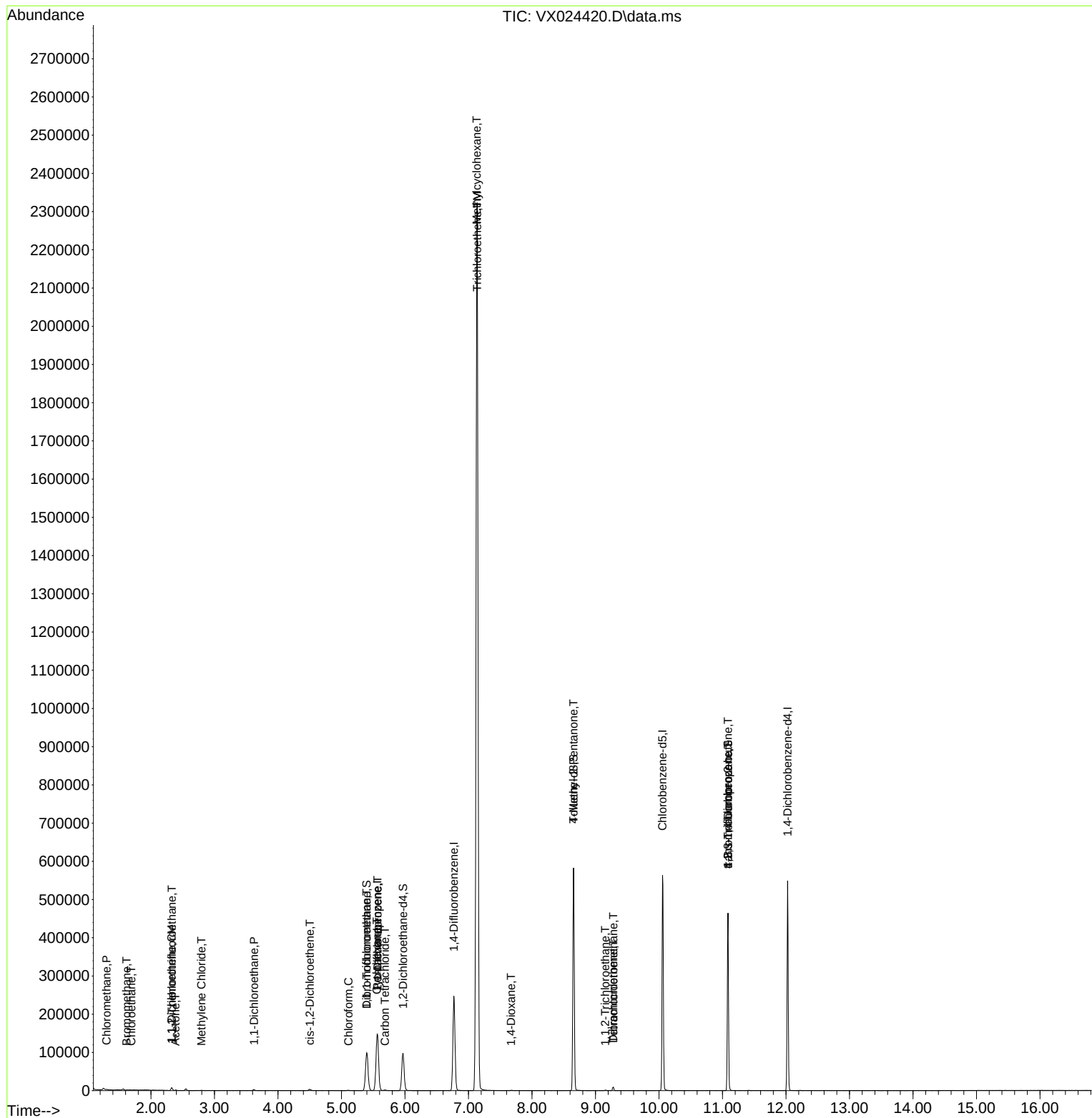
Internal Standards						
1) Pentafluorobenzene	5.562	168	137865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	98055	49.878	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.760%
35) Dibromofluoromethane	5.398	113	82448	51.928	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.860%
50) Toluene-d8	8.653	98	329569	56.979	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	113.960%#
62) 4-Bromofluorobenzene	11.086	95	120507	53.536	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.080%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	310	0.224	ug/l #	84
5) Bromomethane	1.618	94	405	0.494	ug/l #	63
6) Chloroethane	1.691	64	187	0.206	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	1220	0.899	ug/l	97
11) Tert butyl alcohol	2.983	59	78	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	1899	1.494	ug/l	84
16) Acetone	2.386	43	1538	1.835	ug/l #	87
20) Methylene Chloride	2.794	84	336	0.209	ug/l #	84
24) 1,1-Dichloroethane	3.623	63	2780	1.044	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	2217	1.379	ug/l	87
30) Chloroform	5.111	83	930	0.328	ug/l #	67
31) Cyclohexane	5.556	56	3090	1.344	ug/l #	36
32) 1,1,1-Trichloroethane	5.398	97	998	0.394	ug/l #	49
36) 1,1-Dichloropropene	5.568	75	11323	5.202	ug/l #	48
38) Carbon Tetrachloride	5.684	117	1433	0.585	ug/l #	79
39) Methylcyclohexane	7.129	83	10789	4.152	ug/l #	1
44) Trichloroethene	7.135	130	871996	497.129	ug/l	98
49) 1,4-Dioxane	7.672	88	737	17.473	ug/l	90
51) 4-Methyl-2-Pentanone	8.653	43	1358	0.528	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	499	0.286	ug/l	90
60) Dibromochloromethane	9.281	129	1649	2.532	ug/l #	11
64) Tetrachloroethene	9.281	164	1675	0.838	ug/l	94
76) 1,2,3-Trichloropropane	11.086	75	61700	24.501	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	61700	72.057	ug/l #	12

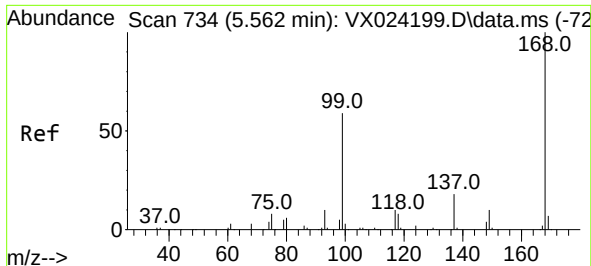
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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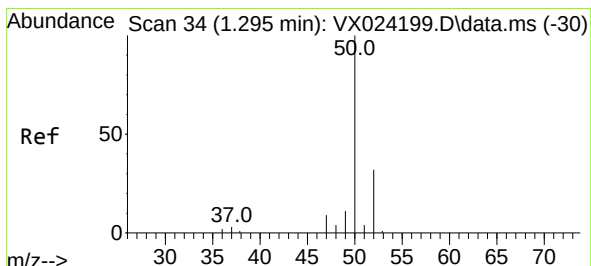
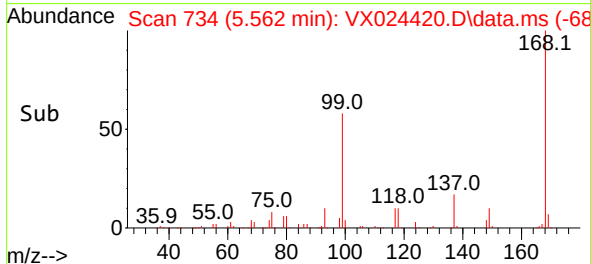
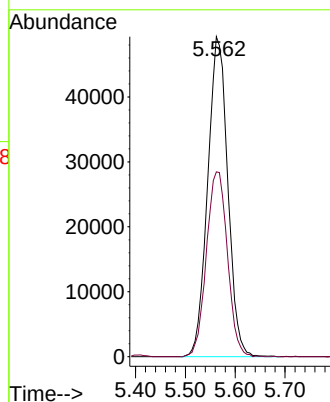
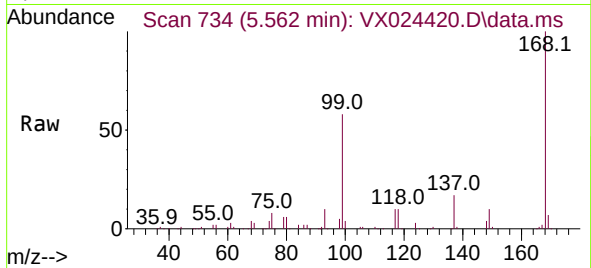




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

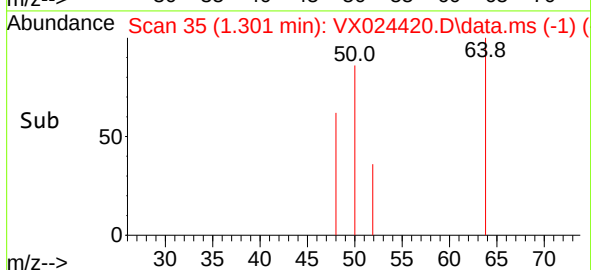
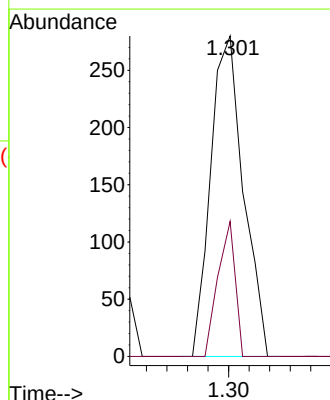
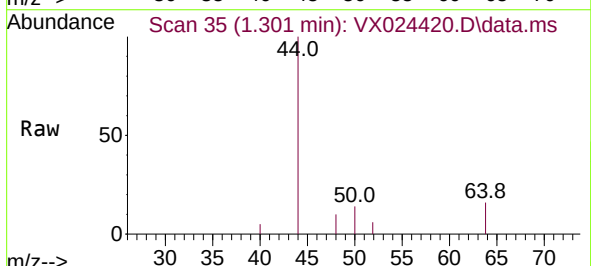
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

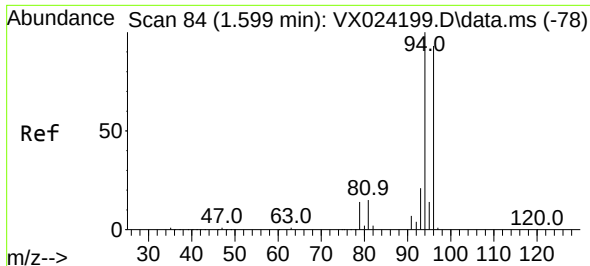
Tgt Ion:168 Resp: 137865
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#3
Chloromethane
Concen: 0.224 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 50 Resp: 310
Ion Ratio Lower Upper
50 100
52 42.1 26.4 39.6#

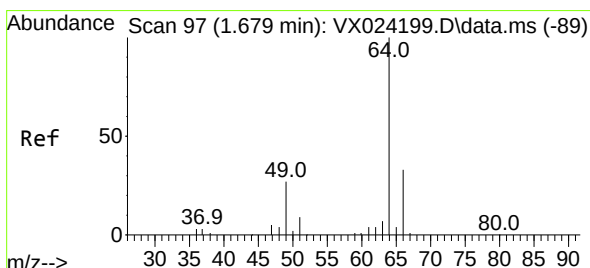
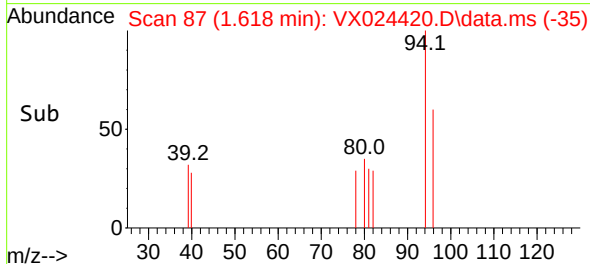
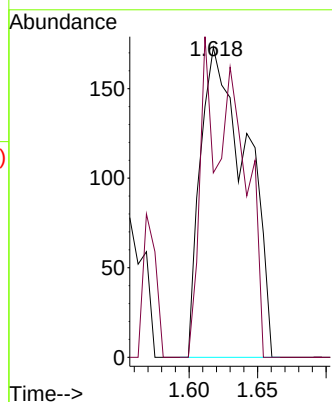
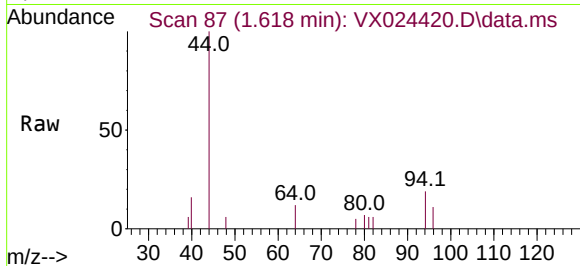




#5
Bromomethane
Concen: 0.494 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

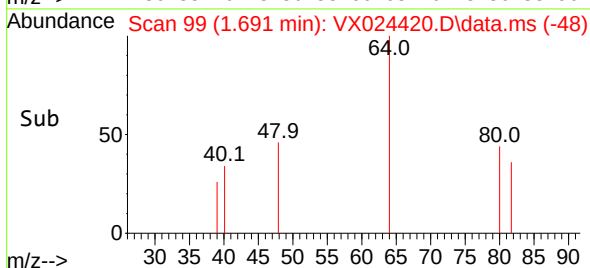
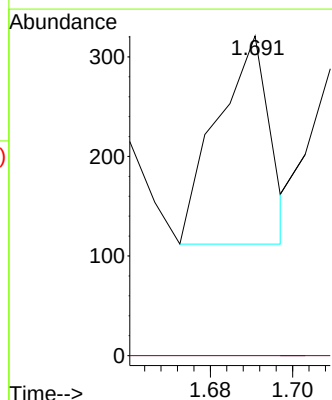
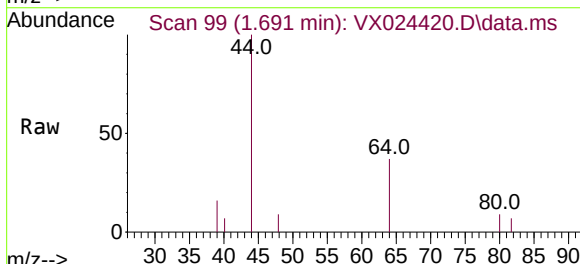
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

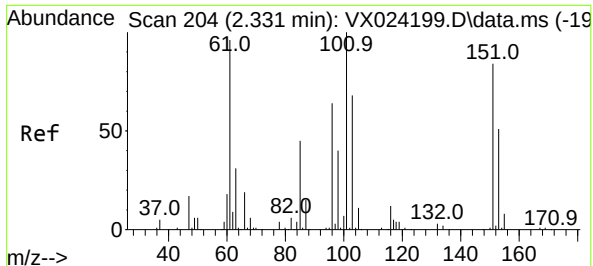
Tgt Ion: 94 Resp: 405
Ion Ratio Lower Upper
94 100
96 59.5 76.4 114.6#



#6
Chloroethane
Concen: 0.206 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 64 Resp: 187
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

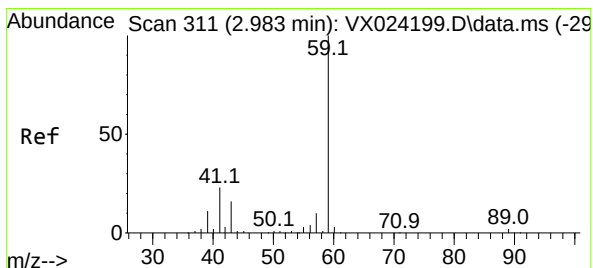
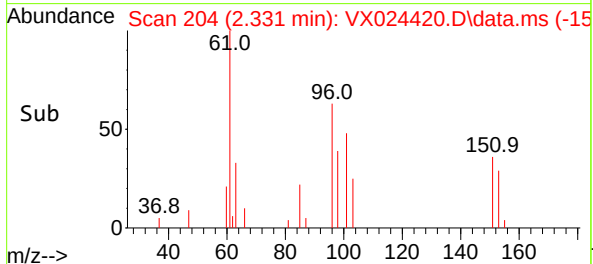
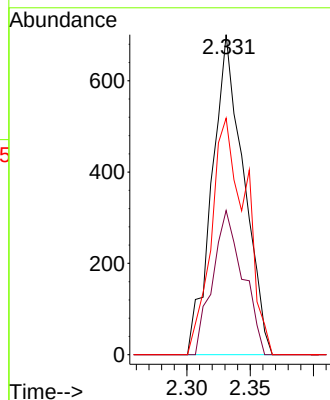
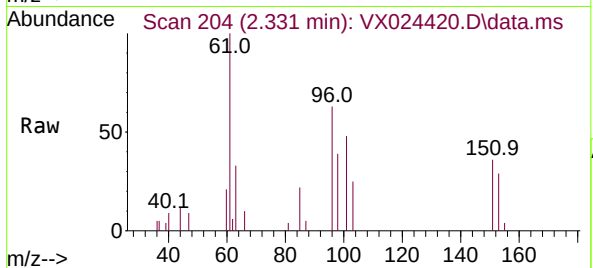




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.899 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

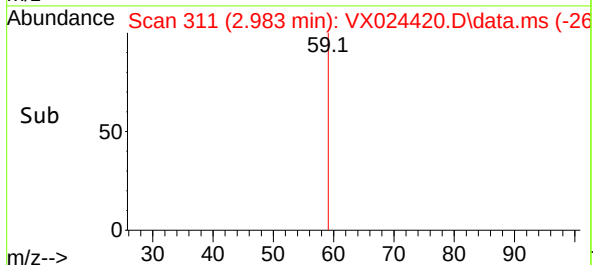
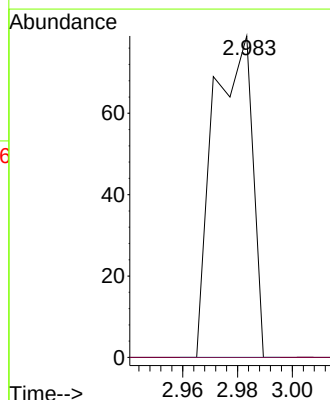
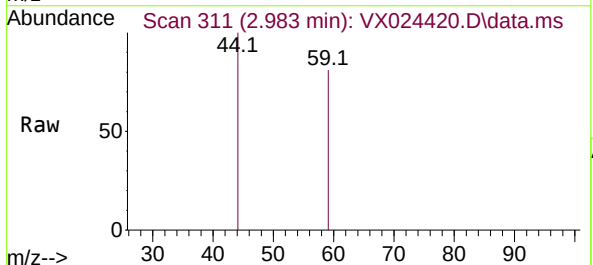
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

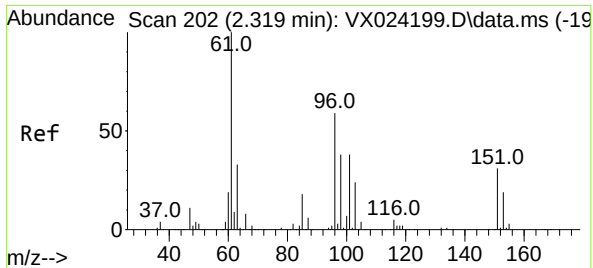
Tgt Ion:101 Resp: 1220
Ion Ratio Lower Upper
101 100
85 43.1 34.9 52.3
151 81.0 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.494 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024420.D

Acq: 22 Sep 2021 05:46

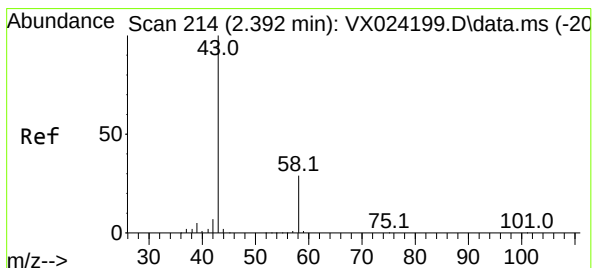
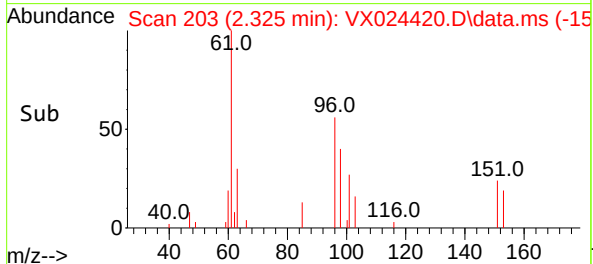
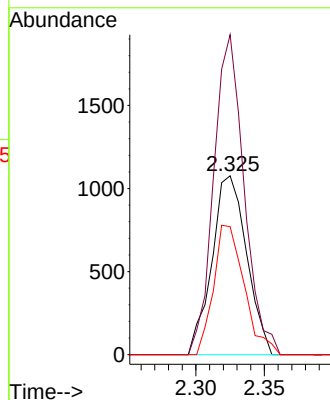
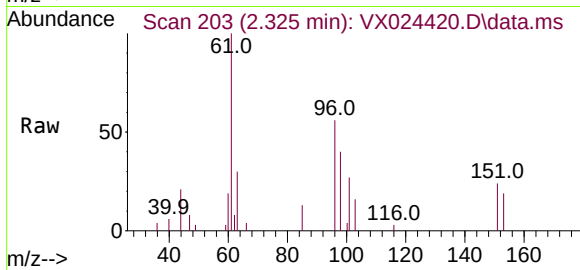
Tgt Ion: 96 Resp: 1899

Ion Ratio Lower Upper

96 100

61 178.8 124.6 187.0

98 71.5 50.6 76.0



#16

Acetone

Concen: 1.835 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX024420.D

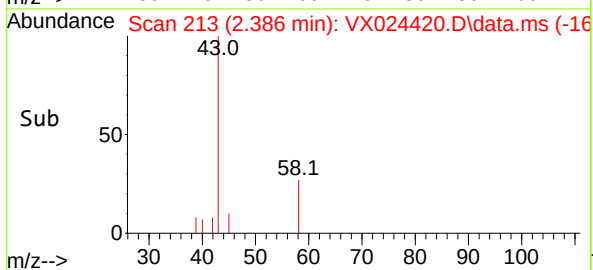
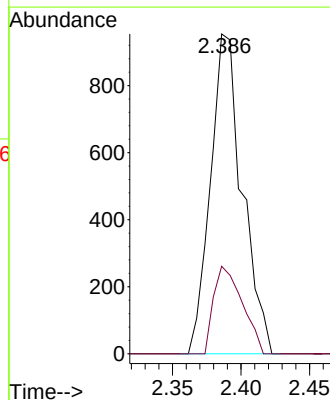
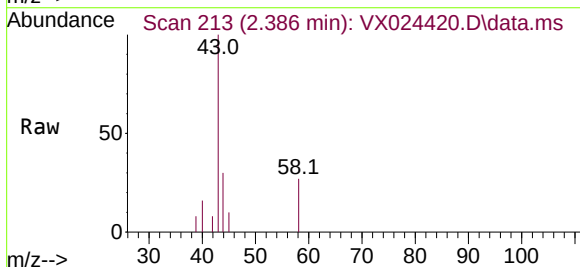
Acq: 22 Sep 2021 05:46

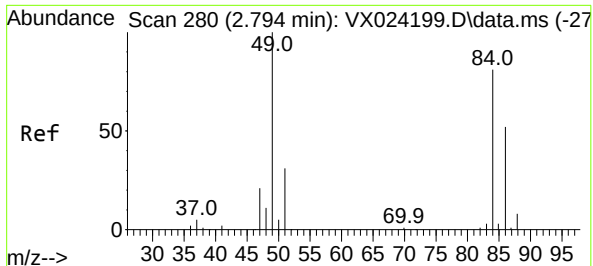
Tgt Ion: 43 Resp: 1538

Ion Ratio Lower Upper

43 100

58 27.4 27.8 41.8#





#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024420.D

Acq: 22 Sep 2021 05:46

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20210920

Tgt Ion: 84 Resp: 336

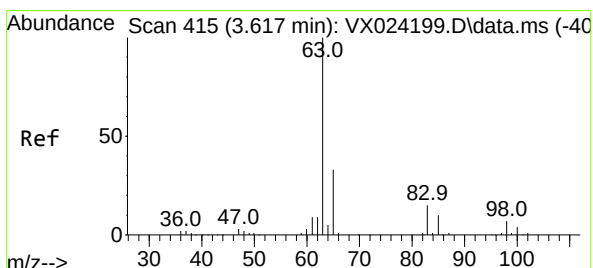
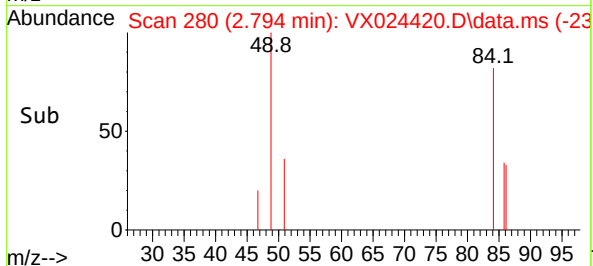
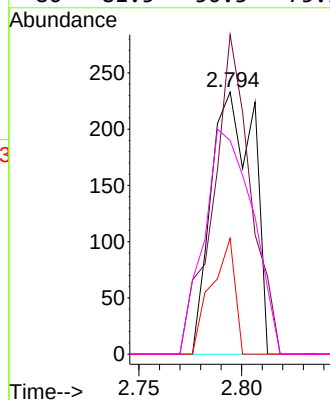
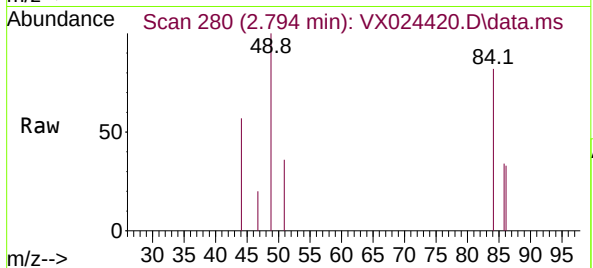
Ion Ratio Lower Upper

84 100

49 121.9 88.6 132.8

51 44.2 27.0 40.6#

86 81.5 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 1.044 ug/l

RT: 3.623 min Scan# 416

Delta R.T. 0.006 min

Lab File: VX024420.D

Acq: 22 Sep 2021 05:46

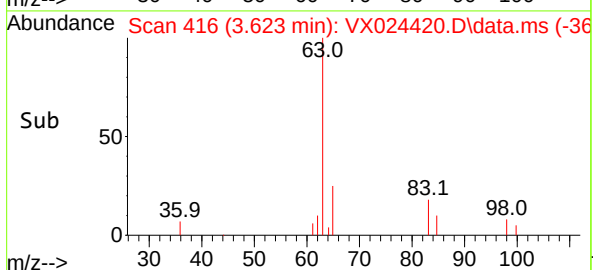
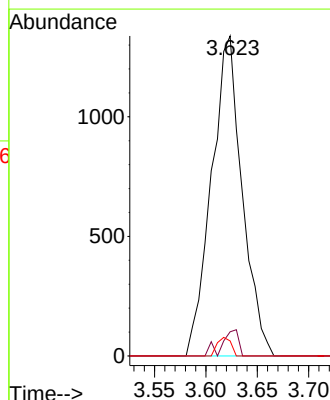
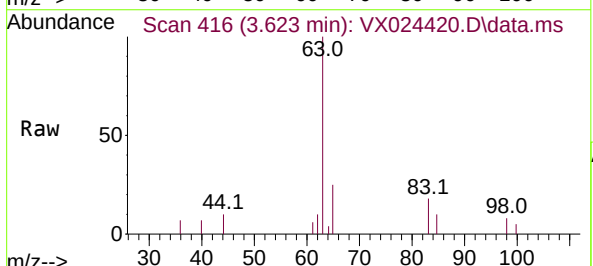
Tgt Ion: 63 Resp: 2780

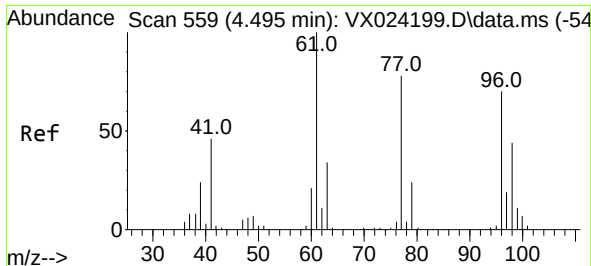
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.7 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 1.379 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024420.D

Acq: 22 Sep 2021 05:46

Instrument :

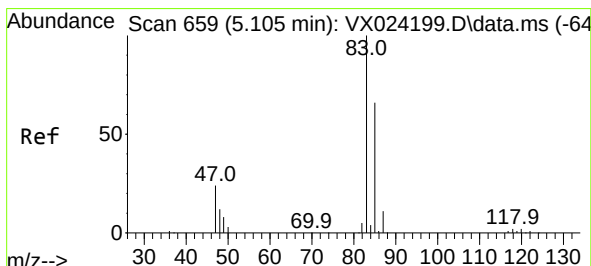
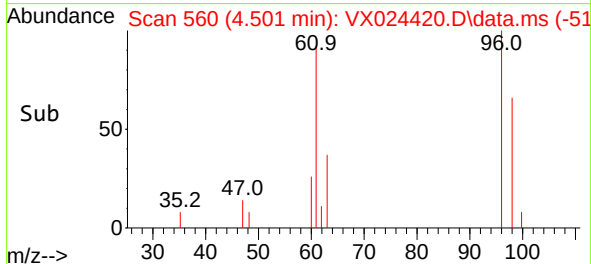
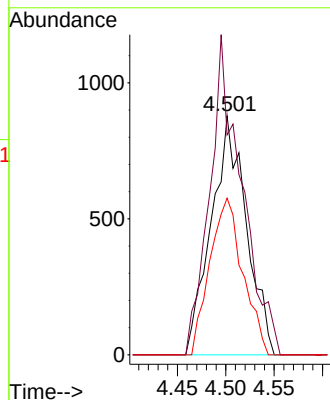
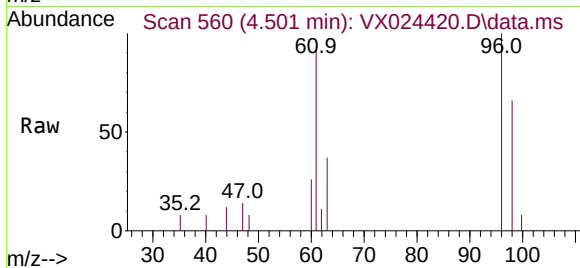
MSVOA_X

ClientSampleId :

RE126D2-20210920

Tgt Ion: 96 Resp: 2217

Ion	Ratio	Lower	Upper
96	100		
61	122.1	0.0	285.6
98	61.7	0.0	129.6



#30

Chloroform

Concen: 0.328 ug/l

RT: 5.111 min Scan# 660

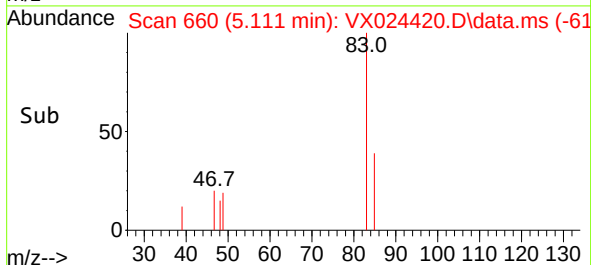
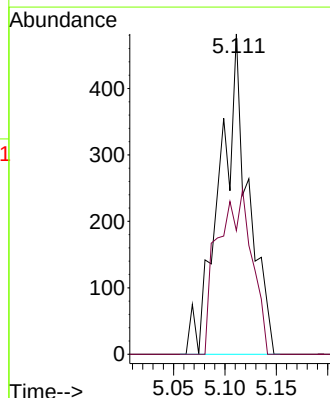
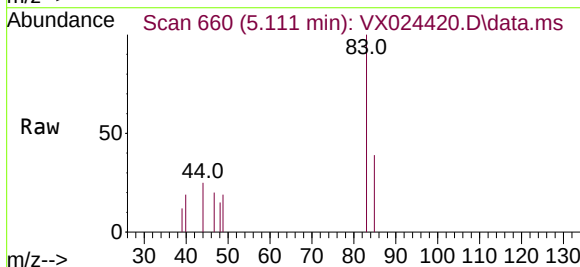
Delta R.T. 0.006 min

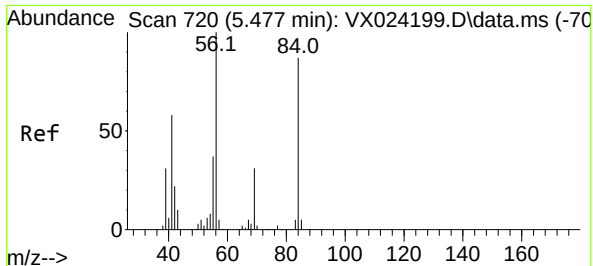
Lab File: VX024420.D

Acq: 22 Sep 2021 05:46

Tgt Ion: 83 Resp: 930

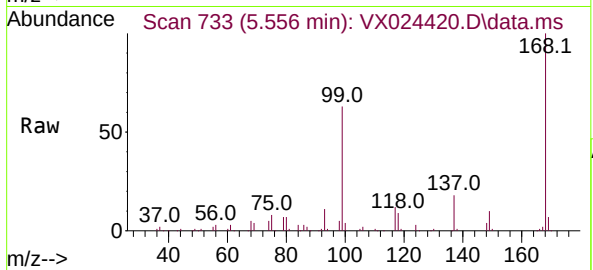
Ion	Ratio	Lower	Upper
83	100		
85	38.6	52.0	78.0#



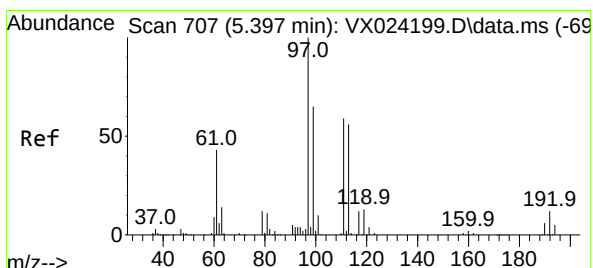
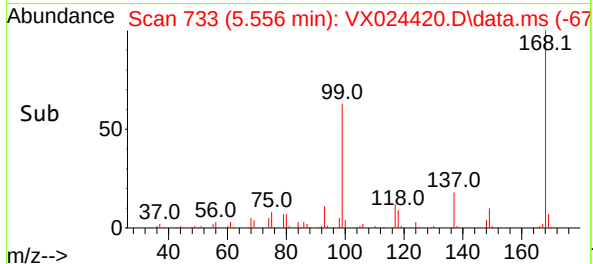
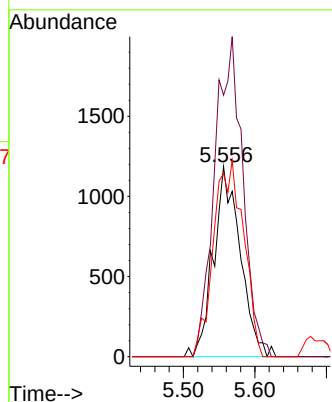


#31
Cyclohexane
Concen: 1.344 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

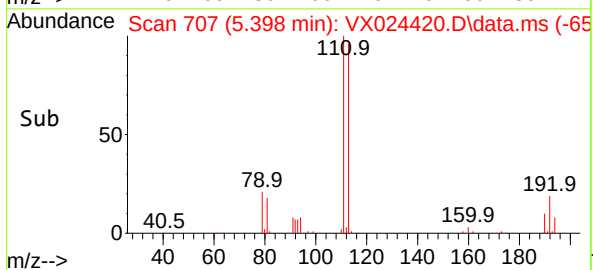
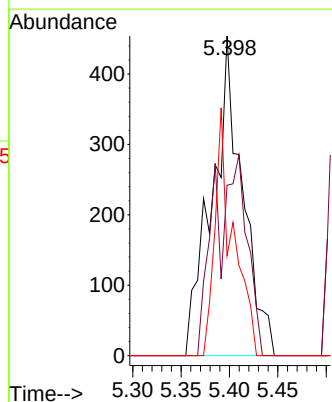
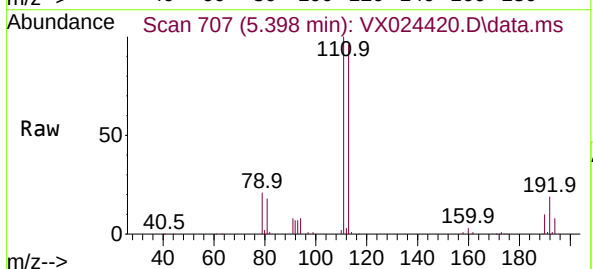


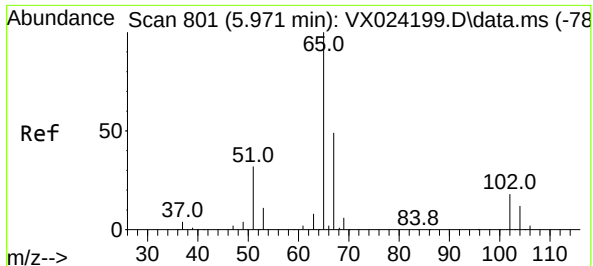
Tgt Ion: 56 Resp: 3090
Ion Ratio Lower Upper
56 100
69 137.5 25.3 37.9#
84 107.6 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.394 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.001 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 97 Resp: 998
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 45.8 34.2 51.4



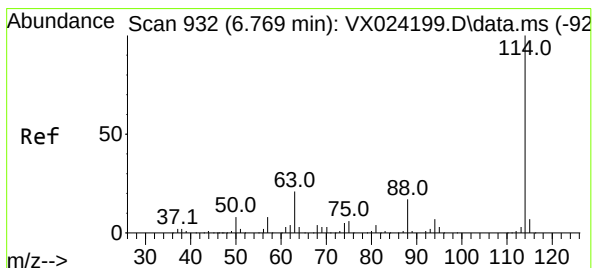
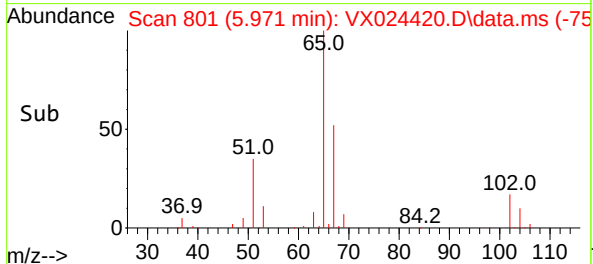
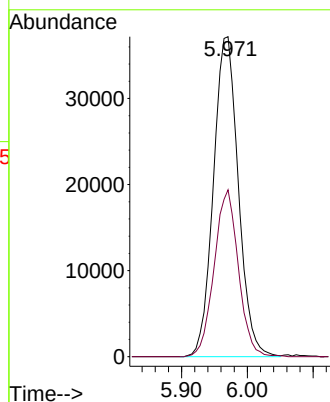
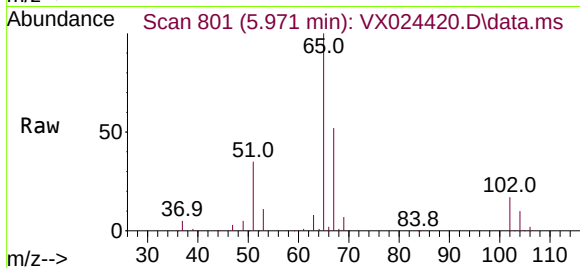


#33

1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 5.971 min Scan# 801
Delta R.T. -0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

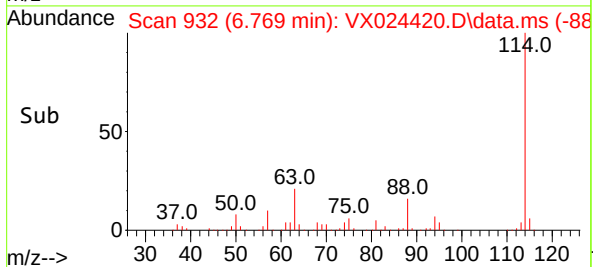
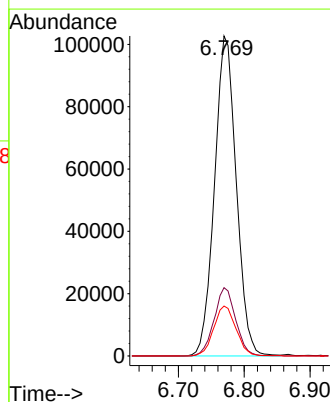
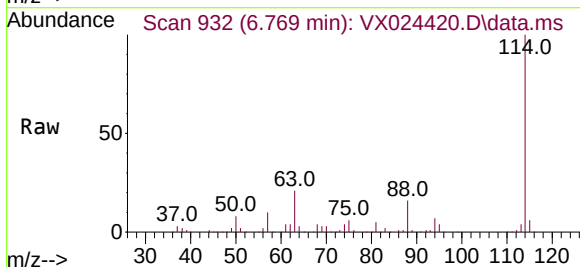
Tgt Ion: 65 Resp: 98055
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

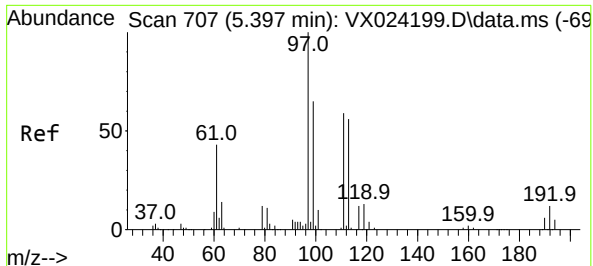


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 114 Resp: 236747
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 15.6 0.0 32.8

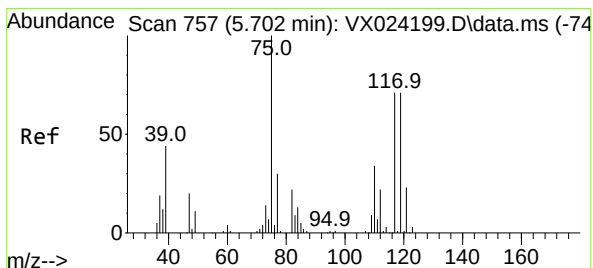
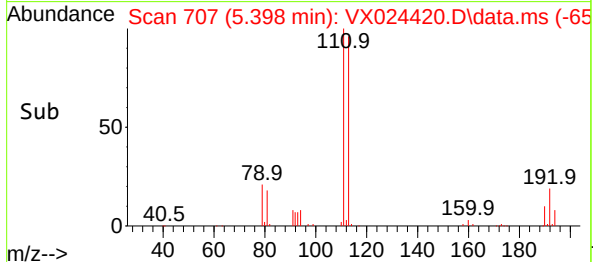
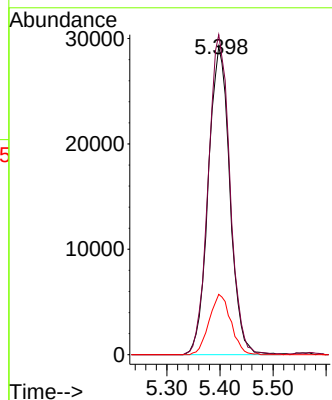
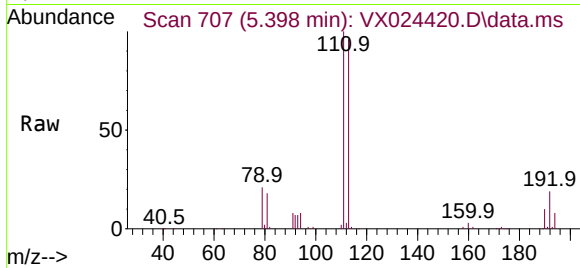




#35
Dibromofluoromethane
Concen: 51.928 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.001 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

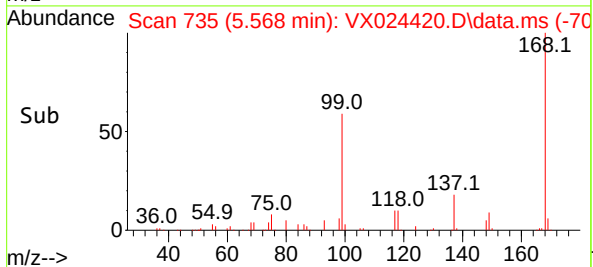
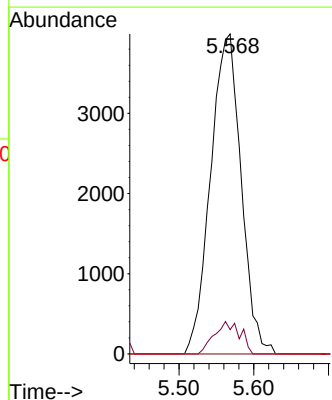
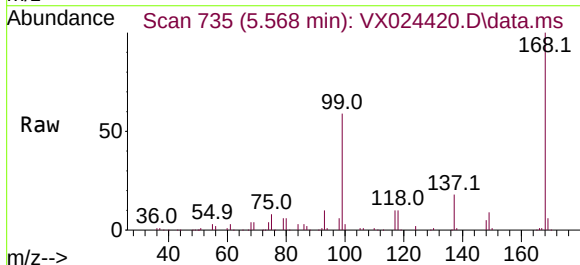
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

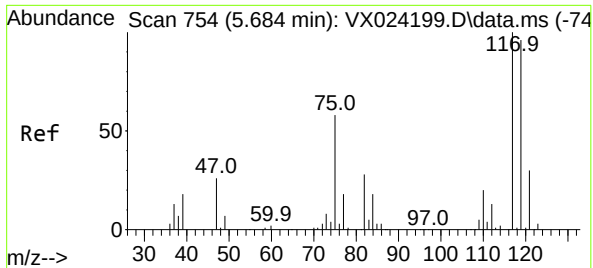
Tgt Ion:	113	Resp:	82448
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.9	122.9
192	19.7	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion:	75	Resp:	11323
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	25.3	37.9#

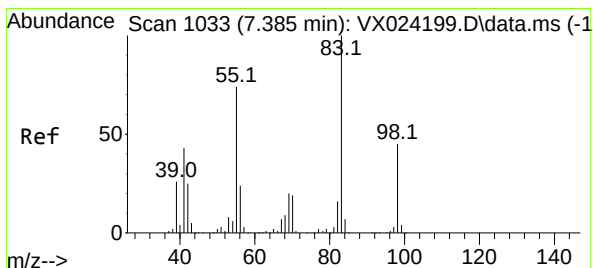
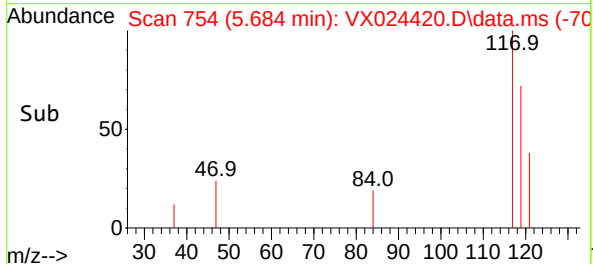
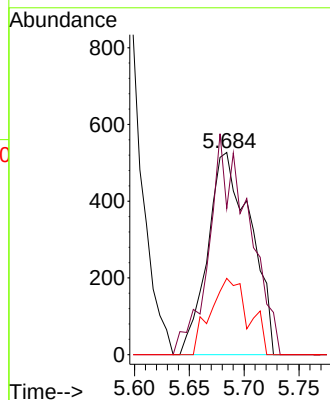
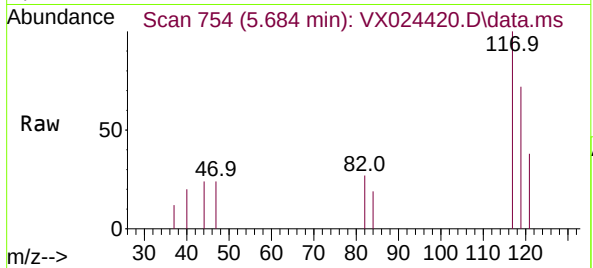




#38
Carbon Tetrachloride
Concen: 0.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

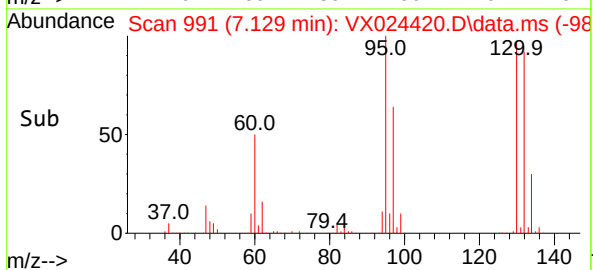
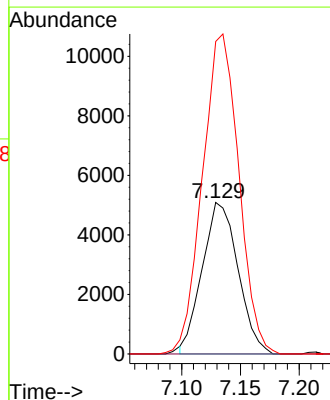
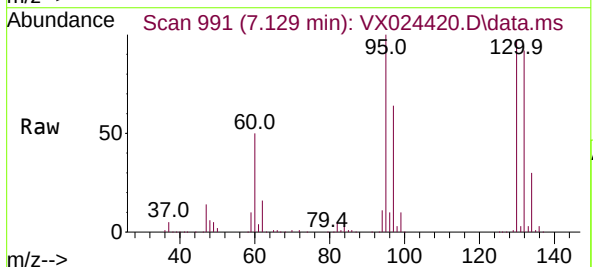
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

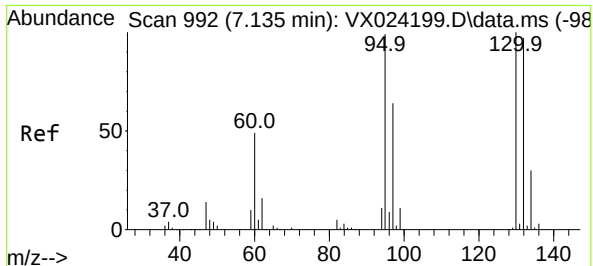
Tgt Ion:117 Resp: 1433
Ion Ratio Lower Upper
117 100
119 72.3 76.2 114.2#
121 37.8 24.8 37.2#



#39
Methylcyclohexane
Concen: 4.152 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 83 Resp: 10789
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 206.3 38.1 57.1#

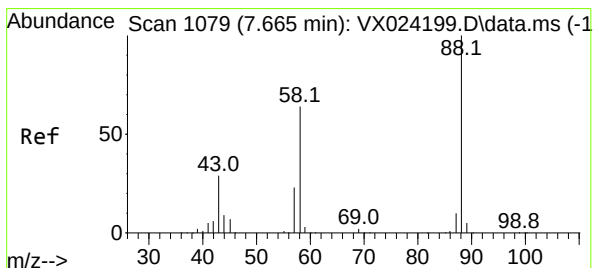
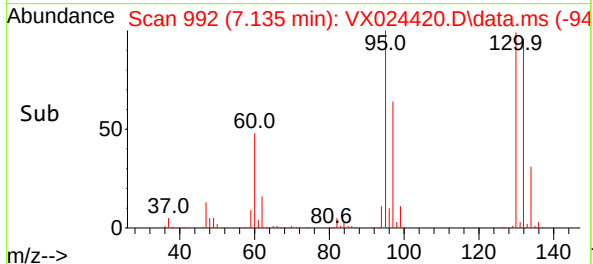
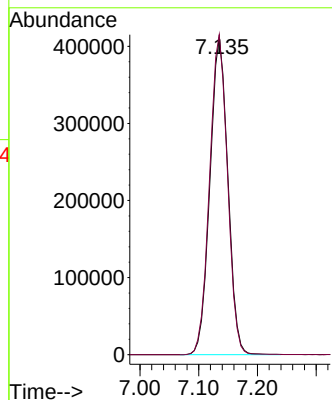
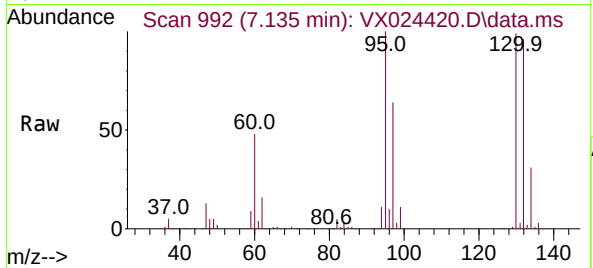




#44
Trichloroethene
Concen: 497.129 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

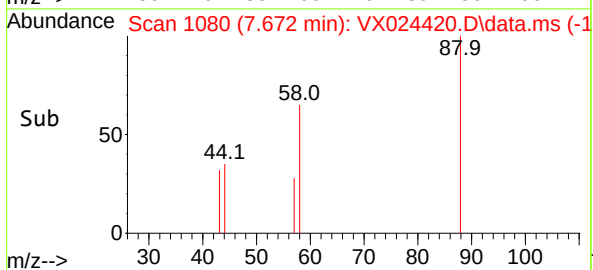
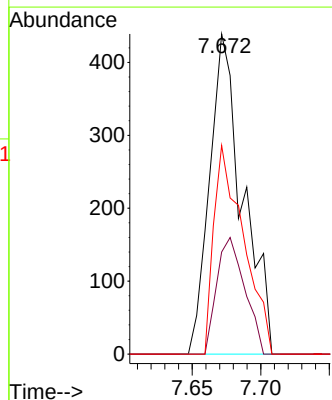
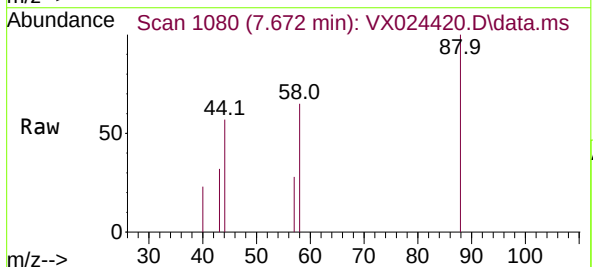
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

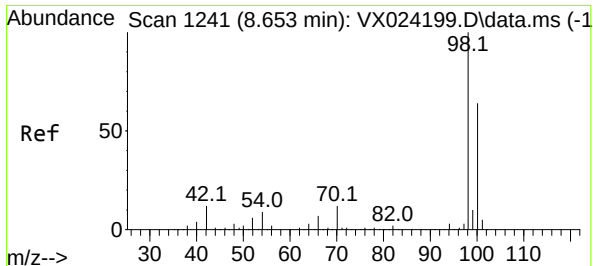
Tgt Ion:130 Resp: 871996
Ion Ratio Lower Upper
130 100
95 100.8 0.0 198.0



#49
1,4-Dioxane
Concen: 17.473 ug/l
RT: 7.672 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 88 Resp: 737
Ion Ratio Lower Upper
88 100
43 30.7 23.2 34.8
58 58.3 55.0 82.4

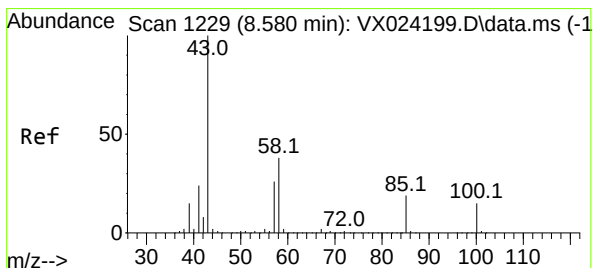
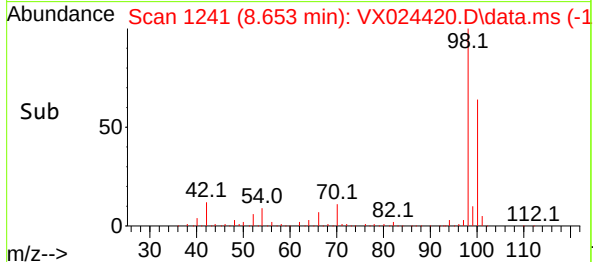
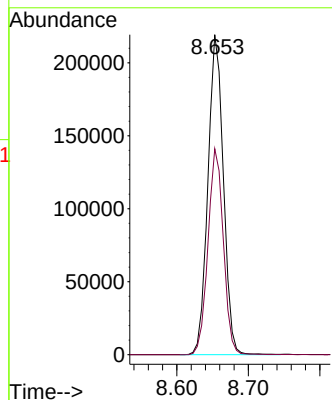
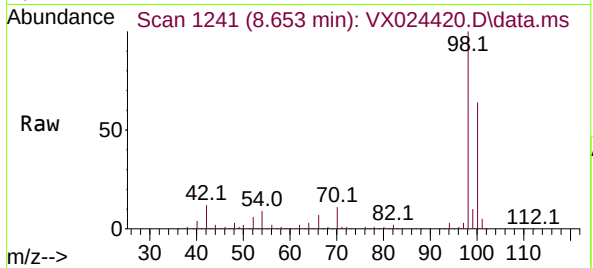




#50
Toluene-d8
Concen: 56.979 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

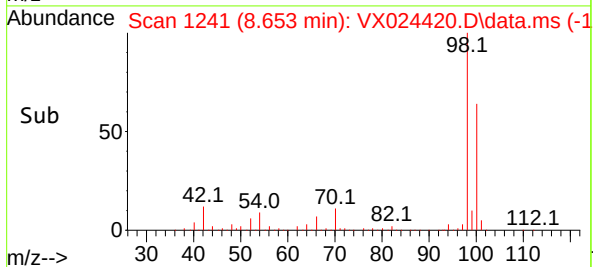
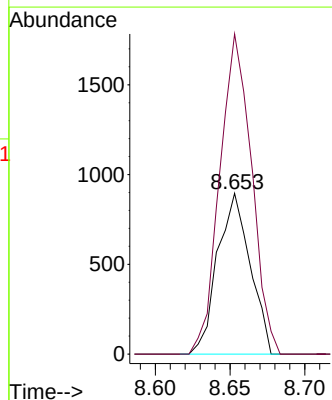
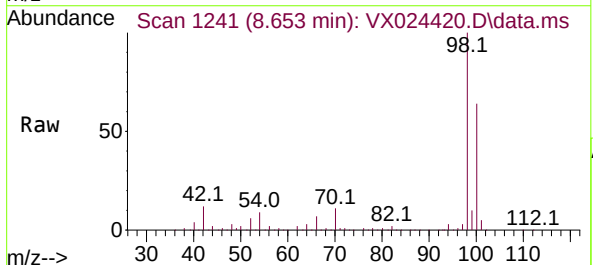
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

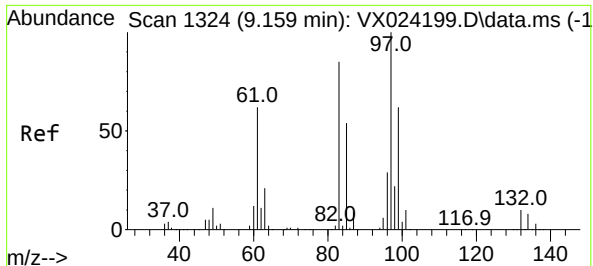
Tgt Ion: 98 Resp: 329569
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 194.6 35.4 53.0#

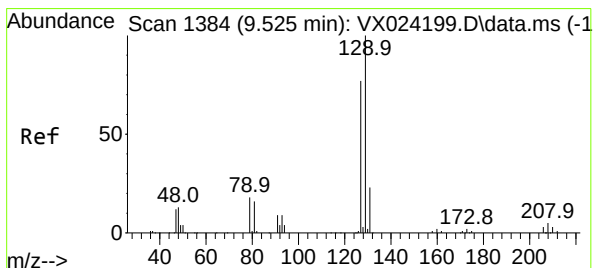
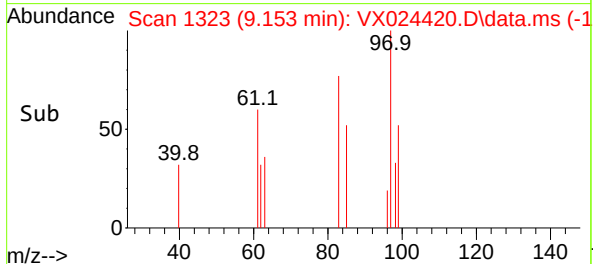
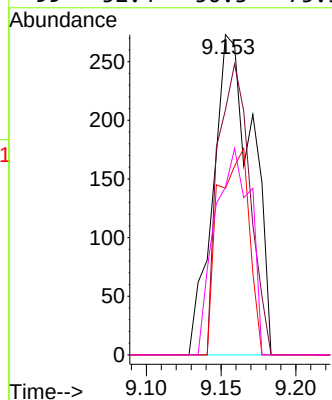
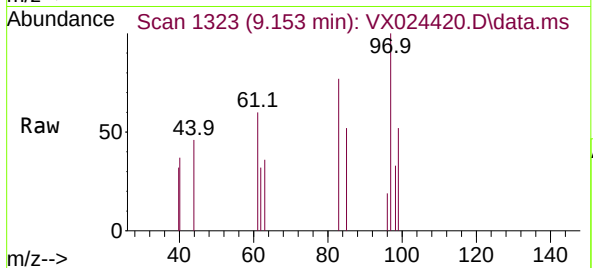




#55
1,1,2-Trichloroethane
Concen: 0.286 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

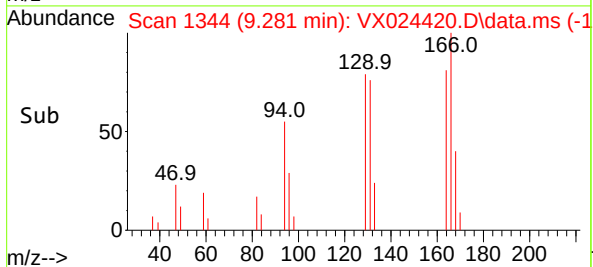
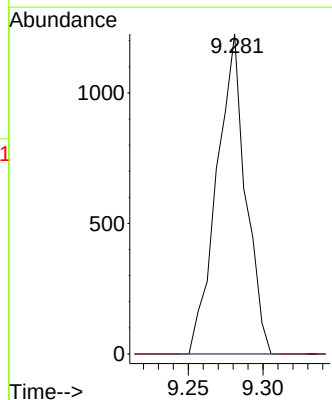
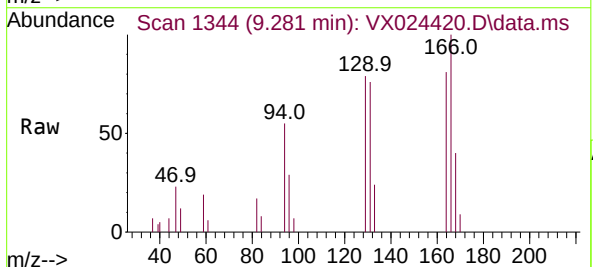
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

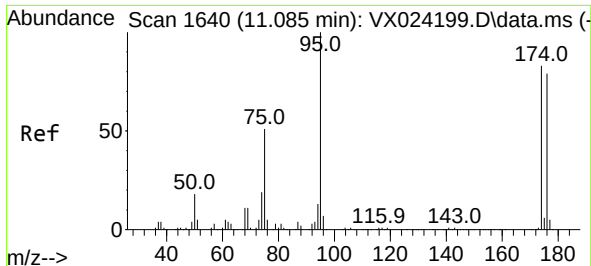
Tgt Ion: 97	Resp:	499	
Ion	Ratio	Lower	Upper
97	100		
83	76.6	69.3	103.9
85	52.0	44.3	66.5
99	52.4	50.3	75.5



#60
Dibromochloromethane
Concen: 2.532 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion:129	Resp:	1649	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

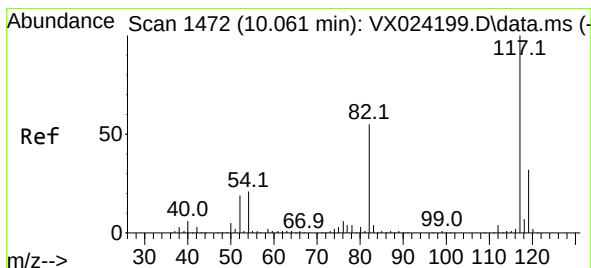
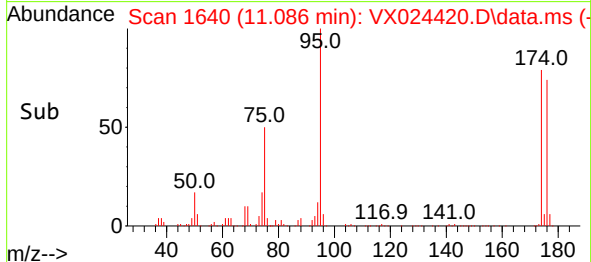
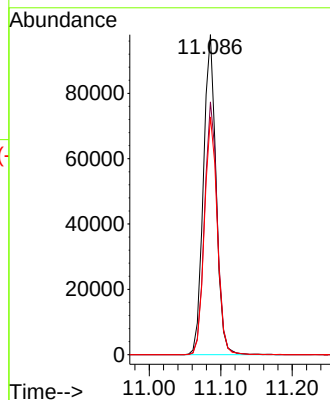
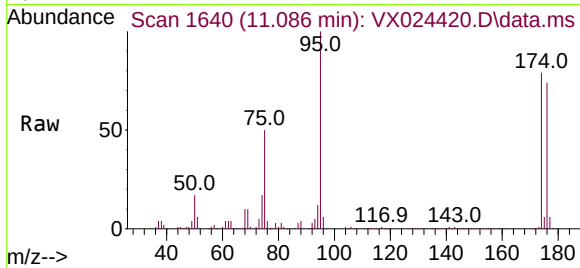




#62
4-Bromofluorobenzene
Concen: 53.536 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

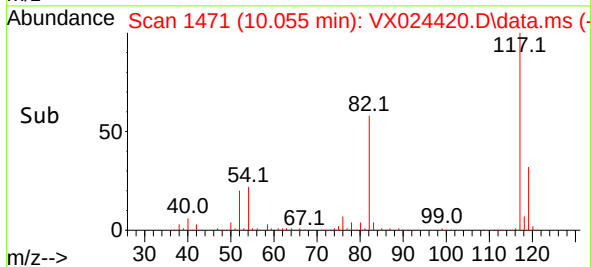
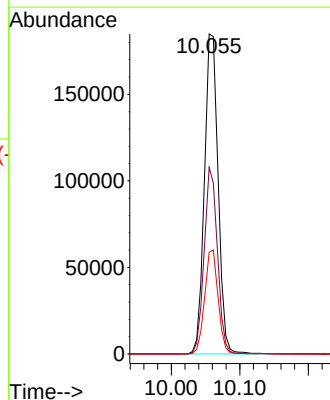
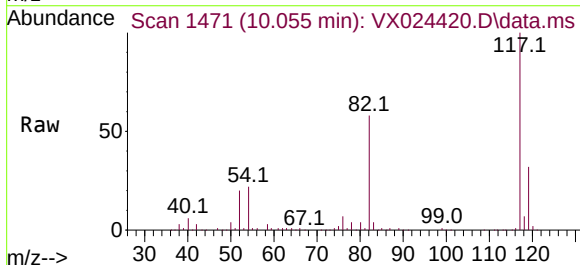
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

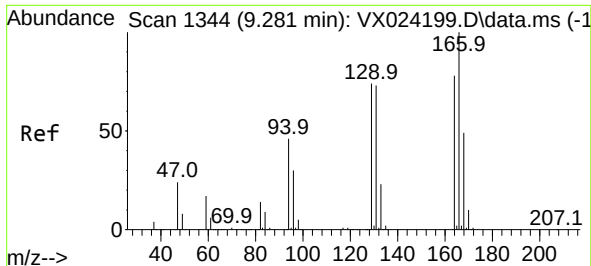
Tgt Ion: 95 Resp: 120507
Ion Ratio Lower Upper
95 100
174 79.6 0.0 154.6
176 75.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

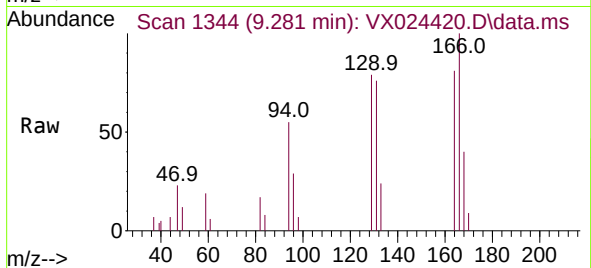
Tgt Ion: 117 Resp: 258121
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 31.8 26.6 39.8



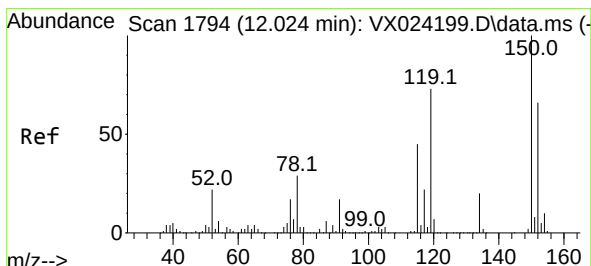
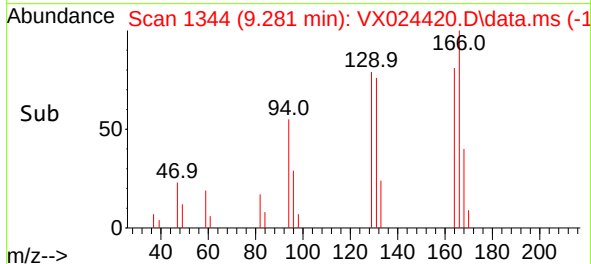
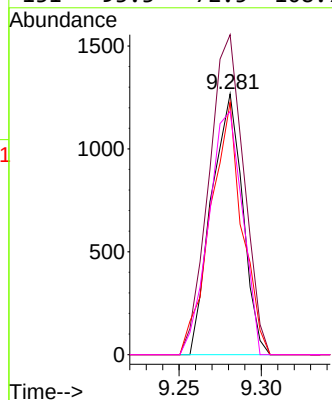


#64
Tetrachloroethene
Concen: 0.838 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

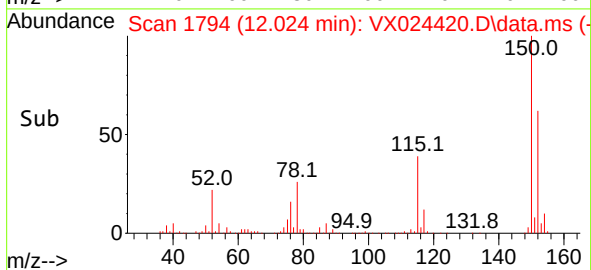
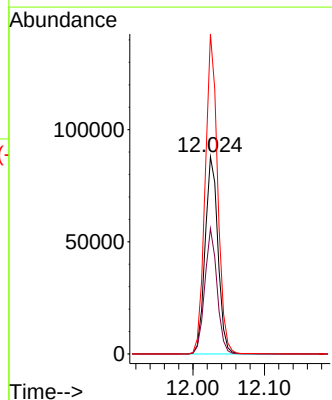
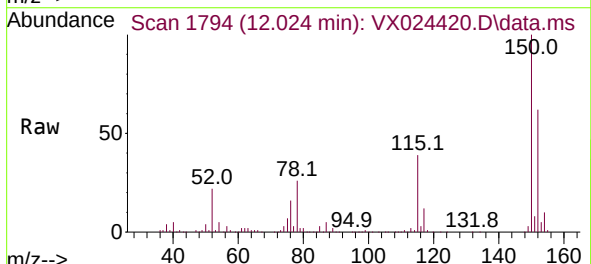


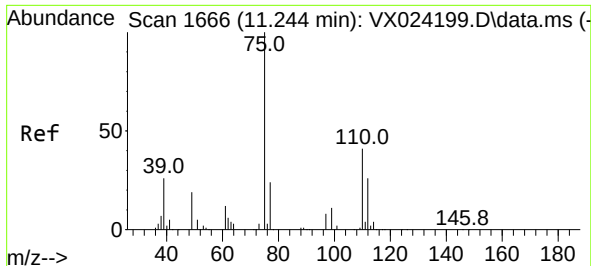
Tgt Ion:	164	Resp:	1675
Ion	Ratio	Lower	Upper
164	100		
166	122.7	103.4	155.2
129	96.8	70.8	106.2
131	93.3	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion:	152	Resp:	109519
Ion	Ratio	Lower	Upper
152	100		
115	60.9	41.1	123.3
150	157.9	0.0	349.0

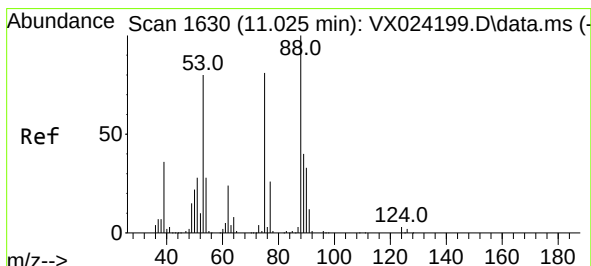
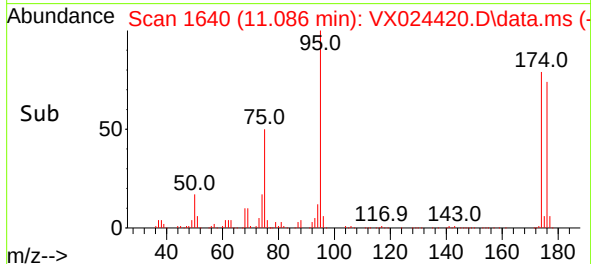
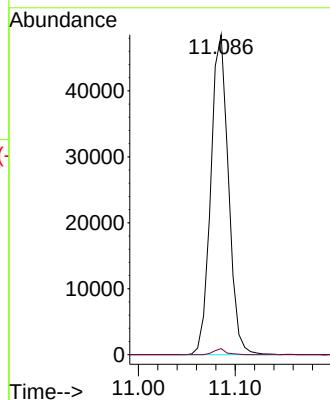
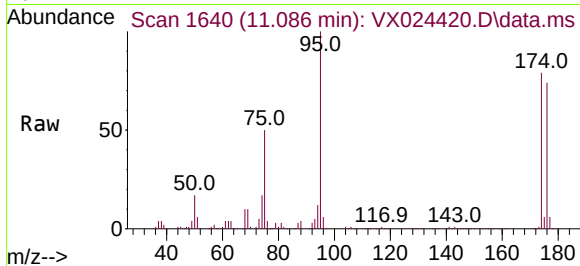




#76
1,2,3-Trichloropropane
Concen: 24.501 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20210920

Tgt Ion: 75 Resp: 61700
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.057 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024420.D
Acq: 22 Sep 2021 05:46

Tgt Ion: 75 Resp: 61700
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

