

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024419.D
 Acq On : 22 Sep 2021 05:22
 Operator : JC/MD
 Sample : M3833-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20210920

Quant Time: Sep 22 06:58:01 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)

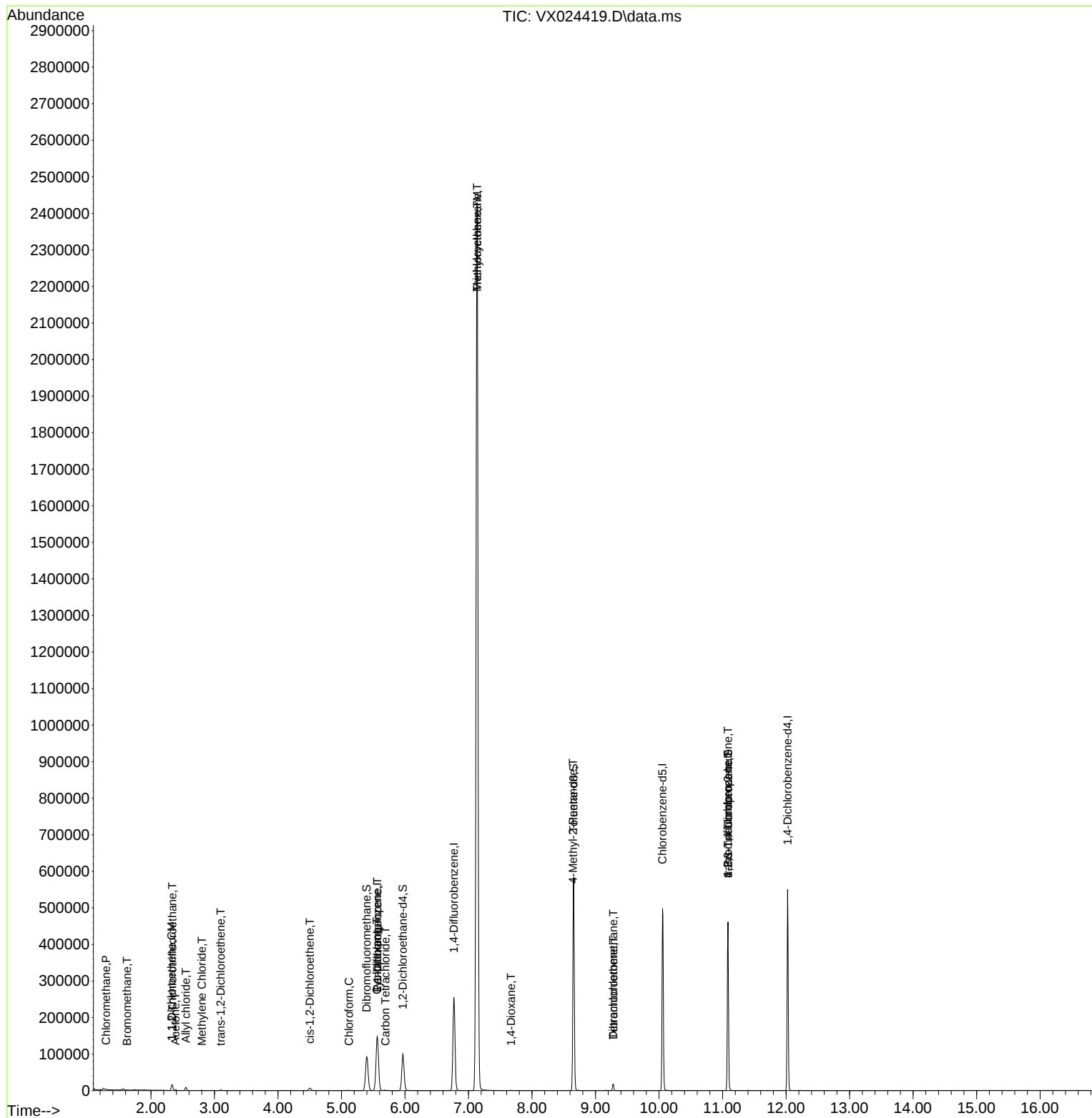
Internal Standards						
1) Pentafluorobenzene	5.562	168	136535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	247660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98795	50.744	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.480%
35) Dibromofluoromethane	5.397	113	79016	47.574	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.140%
50) Toluene-d8	8.653	98	330815	54.674	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.340%
62) 4-Bromofluorobenzene	11.085	95	118724	50.420	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.840%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	413	0.301	ug/l	92
5) Bromomethane	1.624	94	269	0.331	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.337	101	5649	4.203	ug/l	95
11) Tert butyl alcohol	2.953	59	199	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	1324	1.052	ug/l #	74
14) Allyl chloride	2.550	41	913	0.399	ug/l #	48
16) Acetone	2.386	43	2173	2.618	ug/l	97
20) Methylene Chloride	2.800	84	467	0.293	ug/l #	80
21) trans-1,2-Dichloroethene	3.099	96	755	0.548	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	4357	2.737	ug/l	90
30) Chloroform	5.117	83	1176	0.419	ug/l	84
31) Cyclohexane	5.556	56	3121	1.370	ug/l #	11
36) 1,1-Dichloropropene	5.562	75	10710	4.704	ug/l #	50
38) Carbon Tetrachloride	5.690	117	1315	0.513	ug/l #	72
39) Methylcyclohexane	7.135	83	11236	4.133	ug/l #	1
44) Trichloroethene	7.135	130	902898	492.064	ug/l	98
49) 1,4-Dioxane	7.671	88	748	16.952	ug/l #	39
51) 4-Methyl-2-Pentanone	8.647	43	1522	0.566	ug/l #	1
60) Dibromochloromethane	9.281	129	3526	3.373	ug/l #	11
64) Tetrachloroethene	9.281	164	3249	1.900	ug/l #	86
76) 1,2,3-Trichloropropane	11.085	75	63213	25.040	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	63213	73.642	ug/l #	12

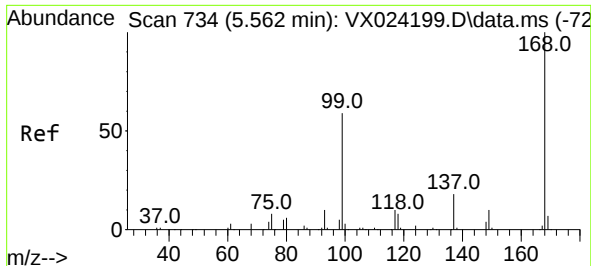
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
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Instrument :
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Quant Time: Sep 22 06:58:01 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

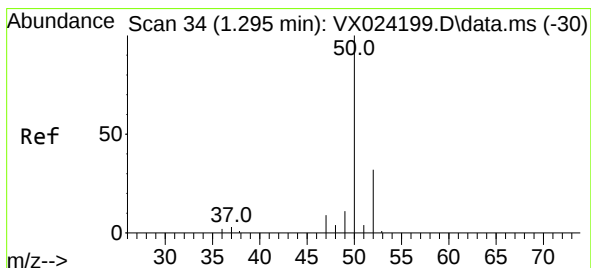
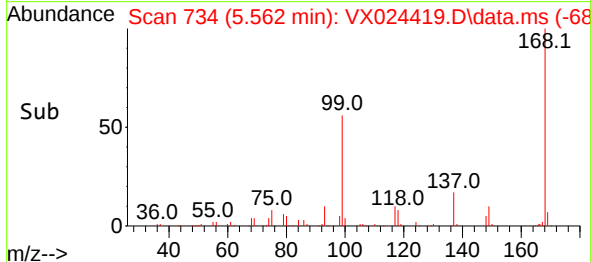
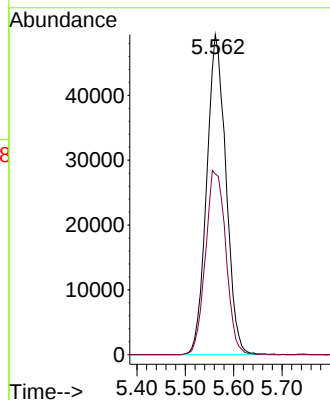
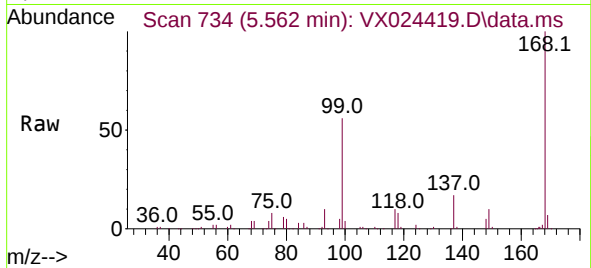




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

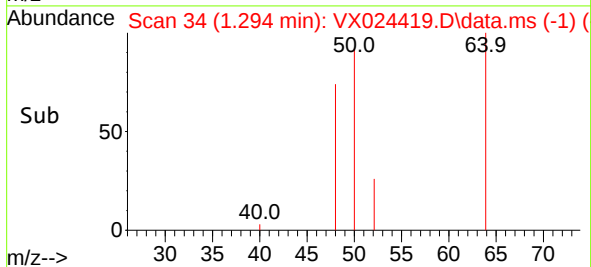
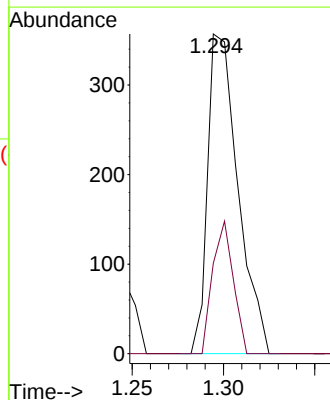
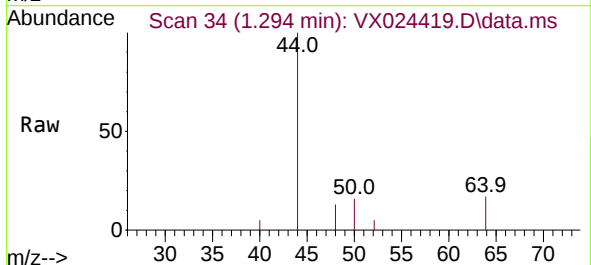
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

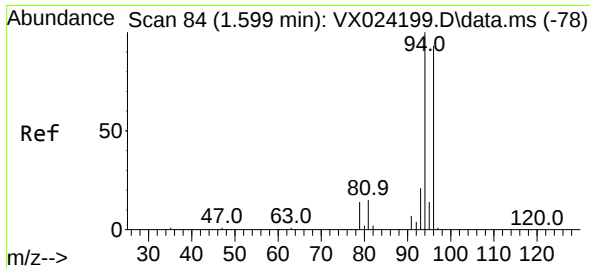
Tgt Ion:168 Resp: 136535
Ion Ratio Lower Upper
168 100
99 56.5 45.8 68.6



#3
Chloromethane
Concen: 0.301 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 50 Resp: 413
Ion Ratio Lower Upper
50 100
52 28.3 26.4 39.6

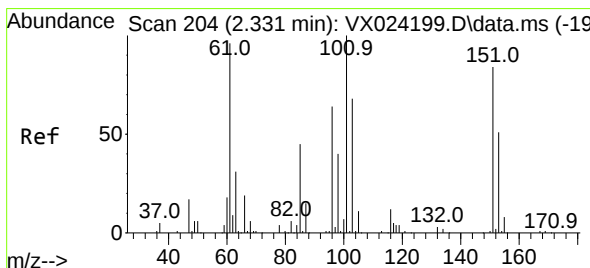
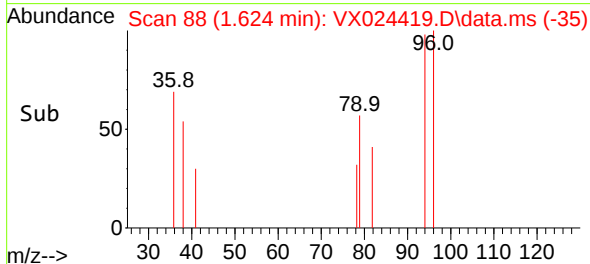
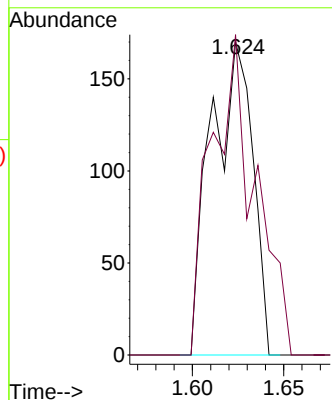
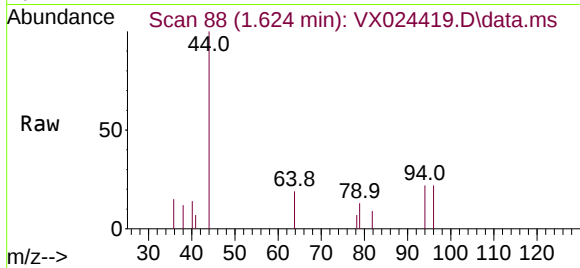




#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

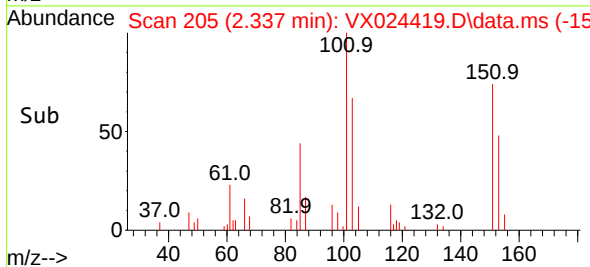
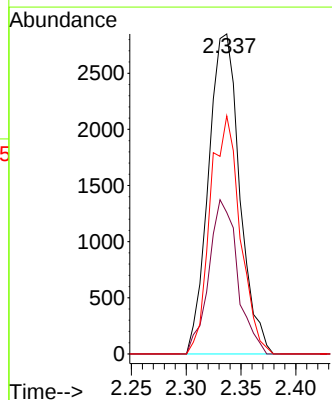
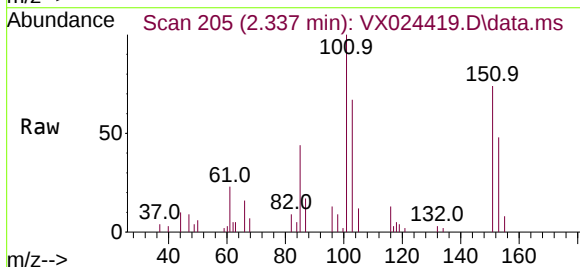
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 102.4 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.203 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 101 Resp: 5649
Ion Ratio Lower Upper
101 100
85 44.3 34.9 52.3
151 71.1 61.4 92.2



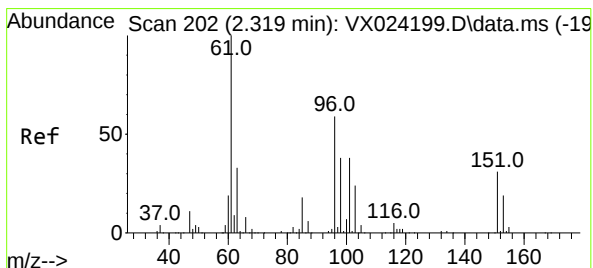
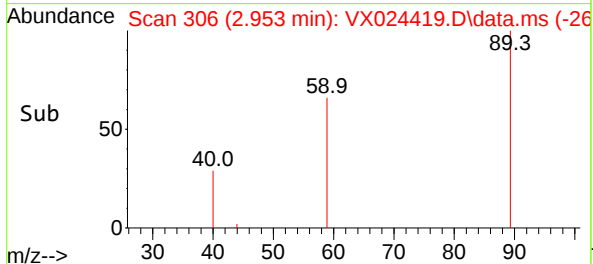
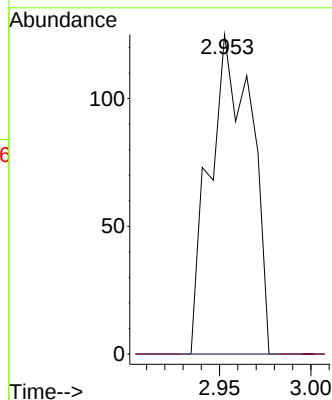
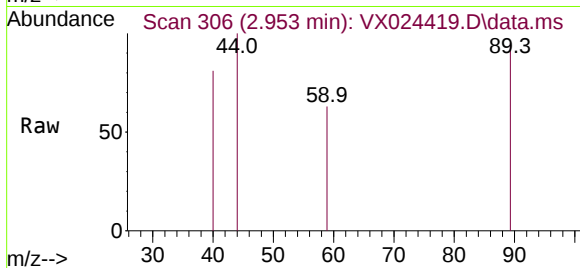


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

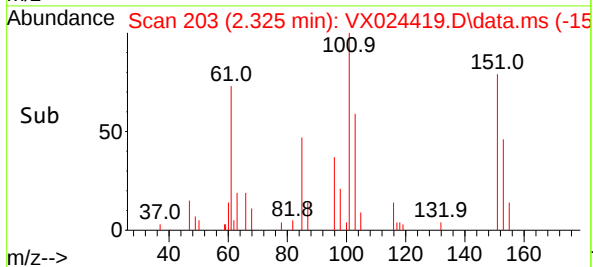
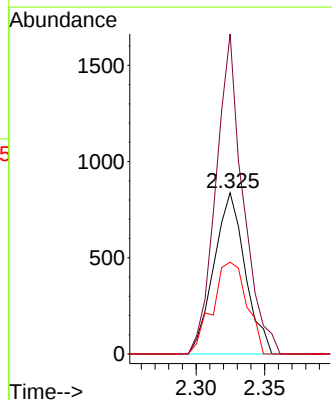
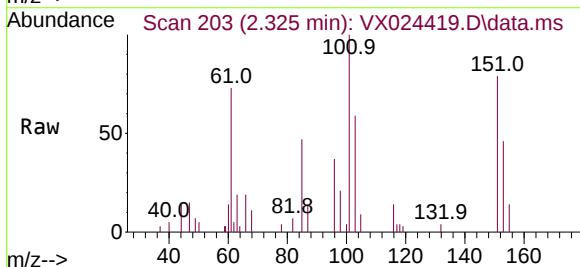
Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

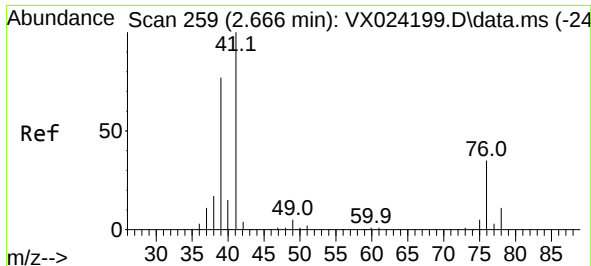


#12

1,1-Dichloroethene
Concen: 1.052 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 96 Resp: 1324
Ion Ratio Lower Upper
96 100
61 198.7 124.6 187.0#
98 57.0 50.6 76.0

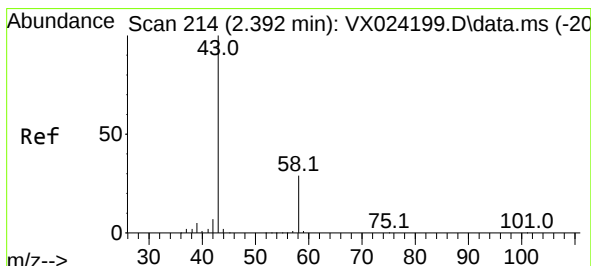
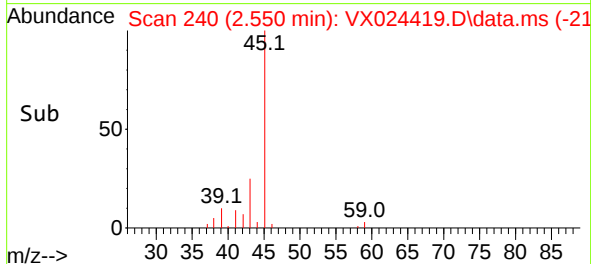
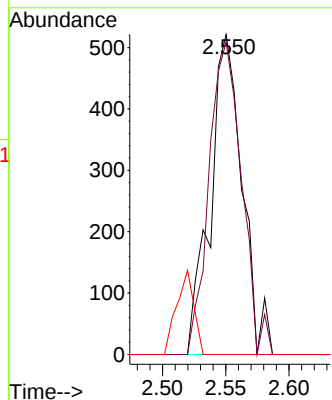
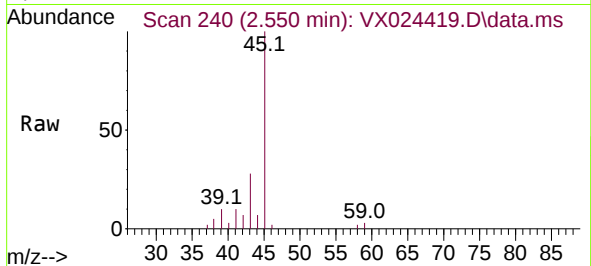




#14
 Allyl chloride
 Concen: 0.399 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX024419.D
 Acq: 22 Sep 2021 05:22

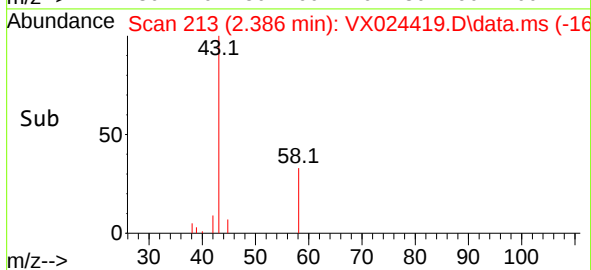
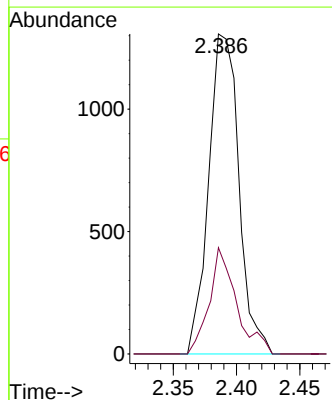
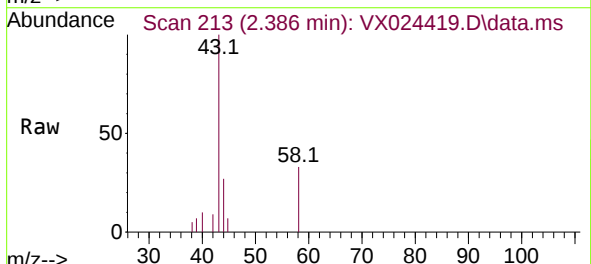
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20210920

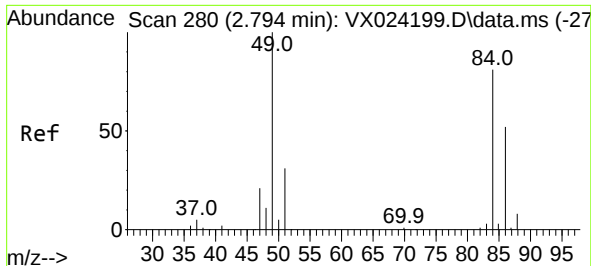
Tgt Ion: 41	Resp: 913
Ion Ratio	Lower Upper
41 100	
39 99.7	51.6 77.4#
76 0.0	30.5 45.7#



#16
 Acetone
 Concen: 2.618 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX024419.D
 Acq: 22 Sep 2021 05:22

Tgt Ion: 43	Resp: 2173
Ion Ratio	Lower Upper
43 100	
58 33.2	27.8 41.8





#20

Methylene Chloride

Concen: 0.293 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX024419.D

Acq: 22 Sep 2021 05:22

Tgt Ion: 84 Resp: 467

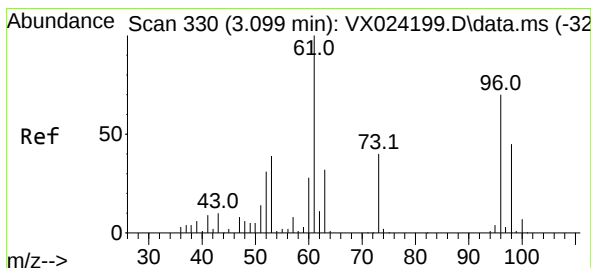
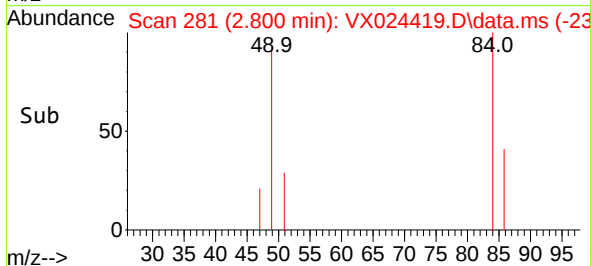
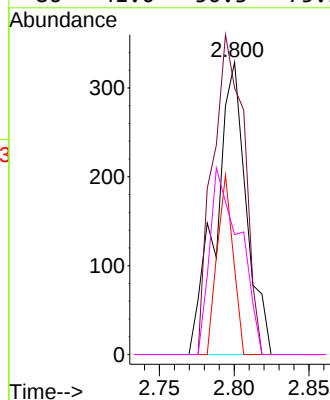
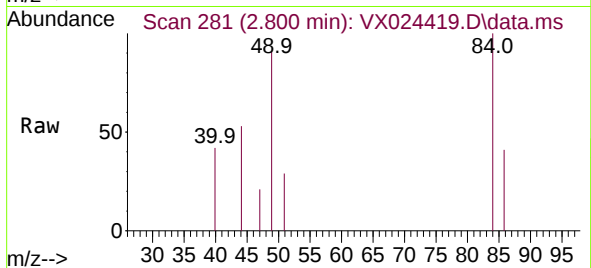
Ion Ratio Lower Upper

84 100

49 91.2 88.6 132.8

51 29.5 27.0 40.6

86 41.0 50.3 75.5#



#21

trans-1,2-Dichloroethene

Concen: 0.548 ug/l

RT: 3.099 min Scan# 330

Delta R.T. -0.000 min

Lab File: VX024419.D

Acq: 22 Sep 2021 05:22

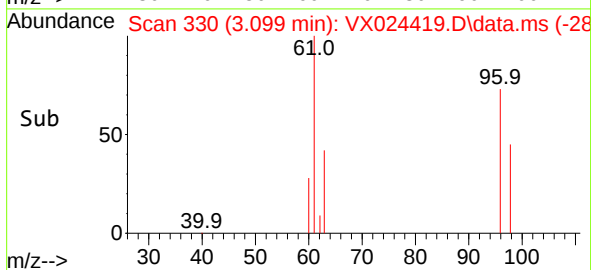
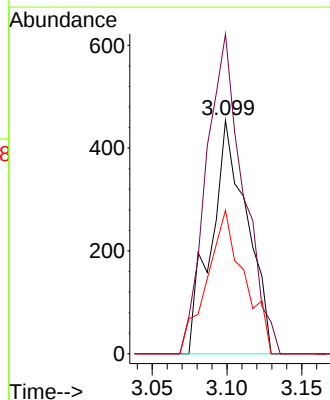
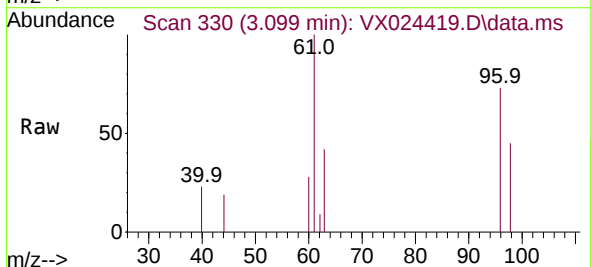
Tgt Ion: 96 Resp: 755

Ion Ratio Lower Upper

96 100

61 137.0 107.7 161.5

98 61.5 50.4 75.6

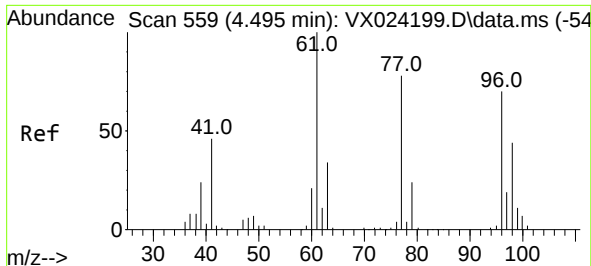


Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20210920



#27

cis-1,2-Dichloroethene

Concen: 2.737 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024419.D

Acq: 22 Sep 2021 05:22

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20210920

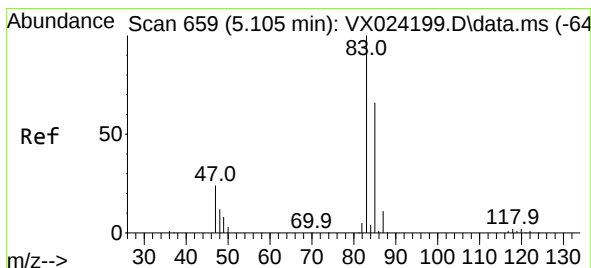
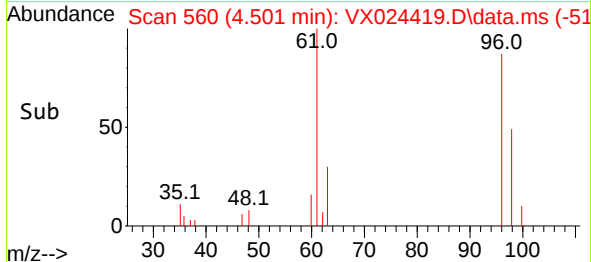
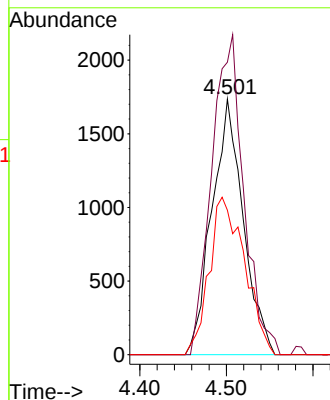
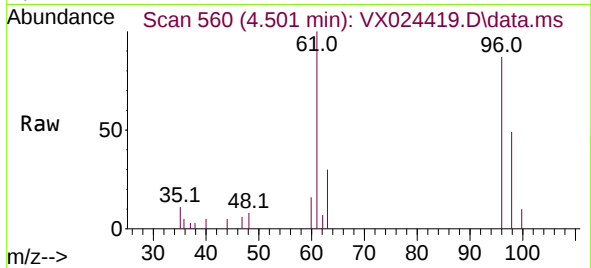
Tgt Ion: 96 Resp: 4357

Ion Ratio Lower Upper

96 100

61 128.7 0.0 285.6

98 69.7 0.0 129.6



#30

Chloroform

Concen: 0.419 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.012 min

Lab File: VX024419.D

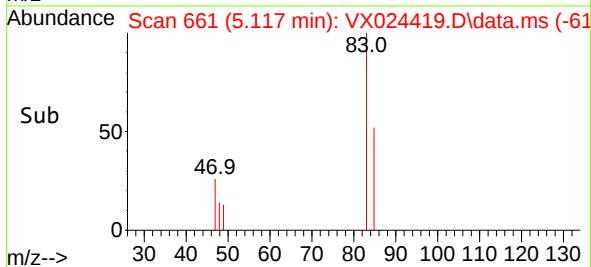
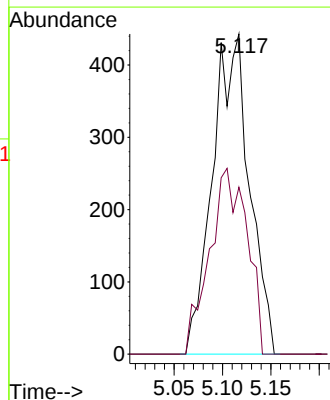
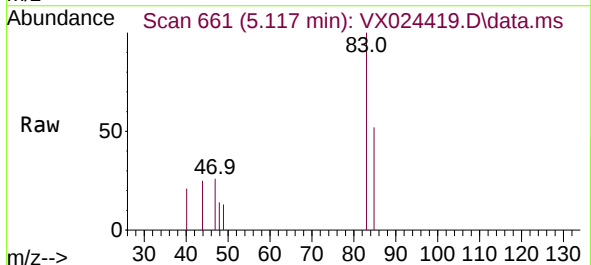
Acq: 22 Sep 2021 05:22

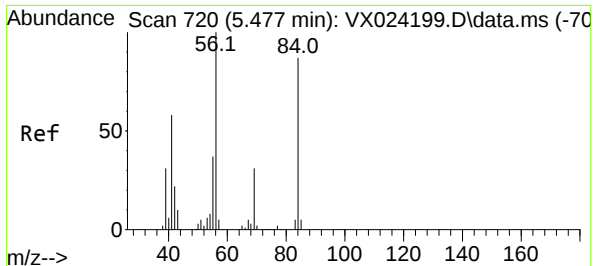
Tgt Ion: 83 Resp: 1176

Ion Ratio Lower Upper

83 100

85 52.1 52.0 78.0

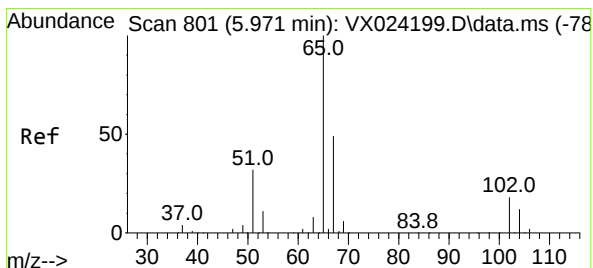
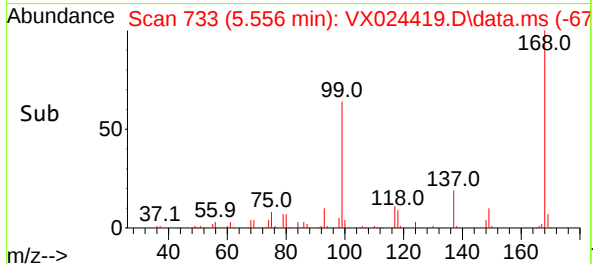
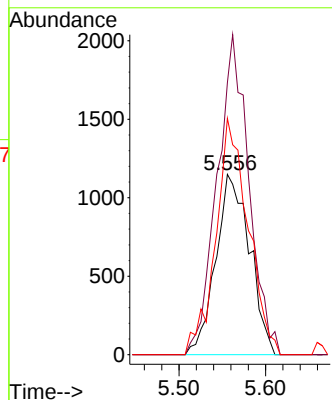
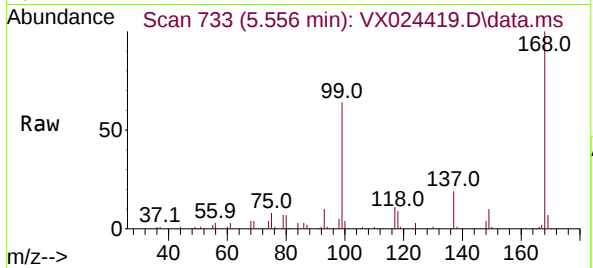




#31
Cyclohexane
Concen: 1.370 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

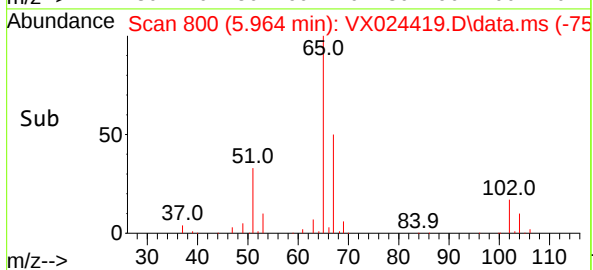
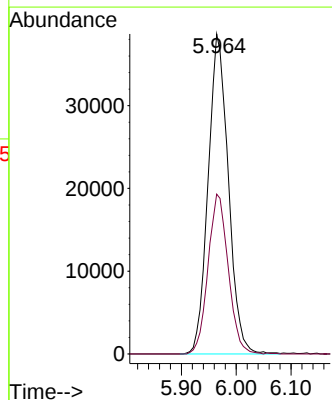
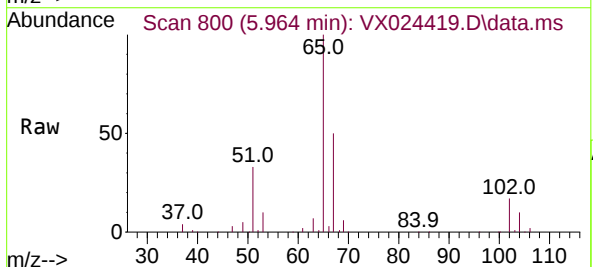
Instrument :
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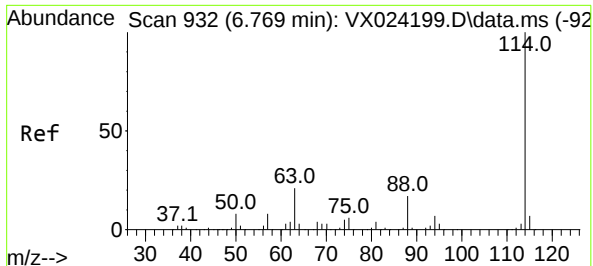
Tgt Ion: 56 Resp: 3121
Ion Ratio Lower Upper
56 100
69 150.8 25.3 37.9#
84 131.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.744 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 65 Resp: 98795
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4

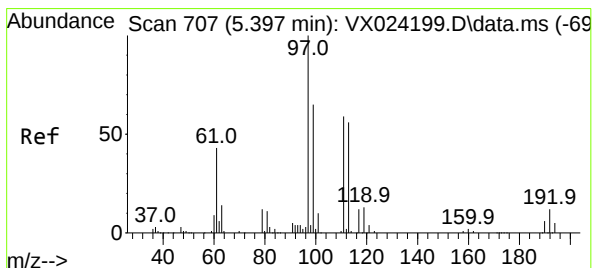
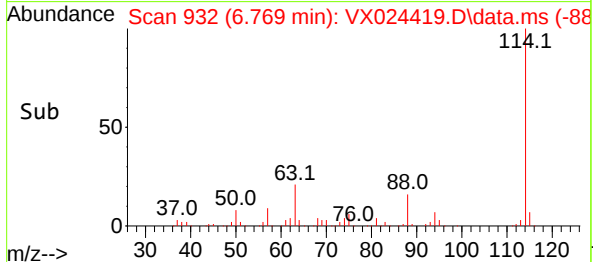
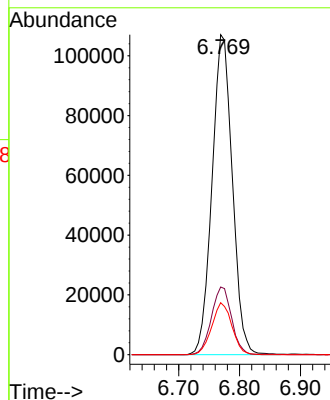
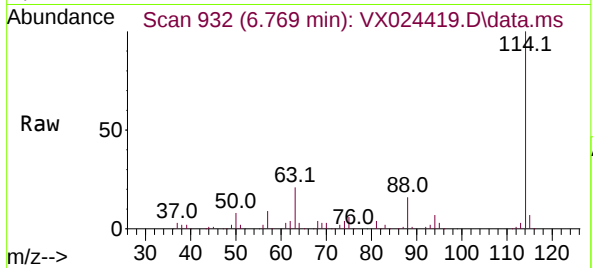




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

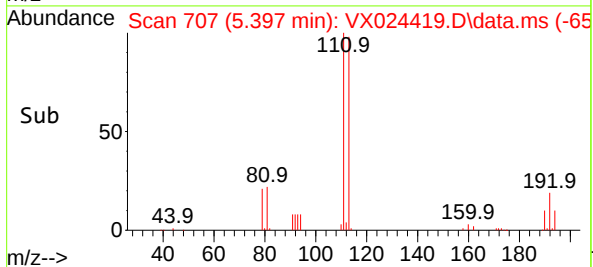
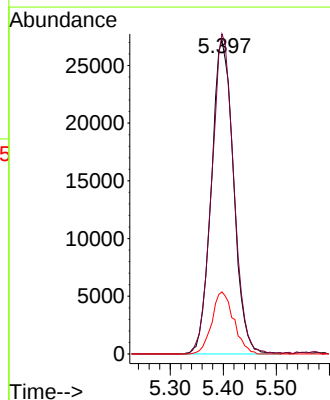
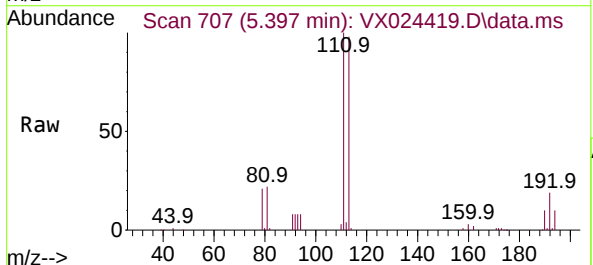
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

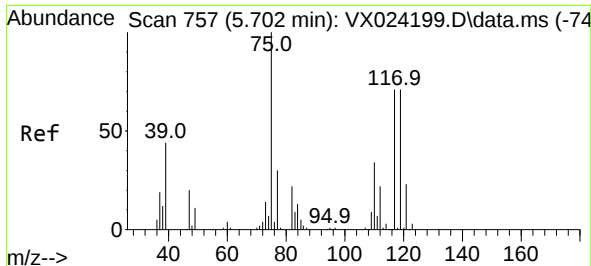
Tgt Ion:114 Resp: 247660
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.574 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion:113 Resp: 79016
Ion Ratio Lower Upper
113 100
111 101.0 81.9 122.9
192 19.5 16.7 25.1

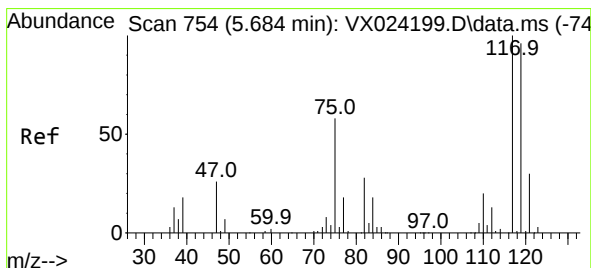
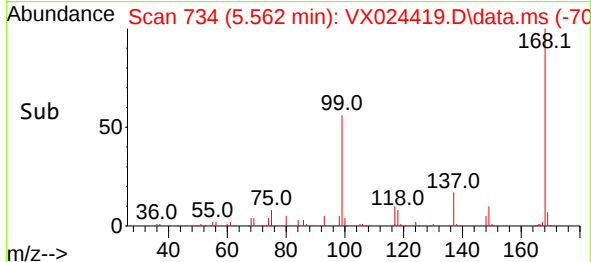
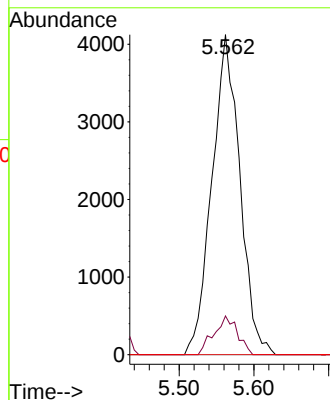
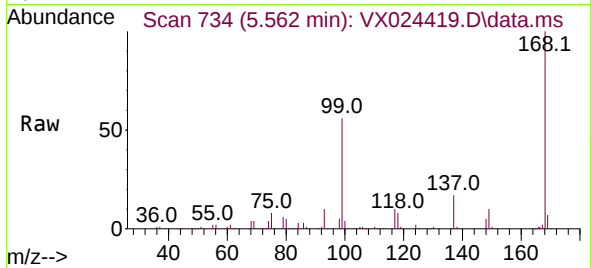




#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

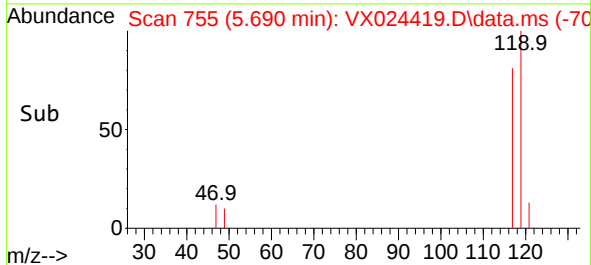
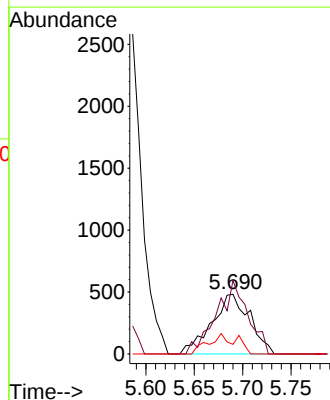
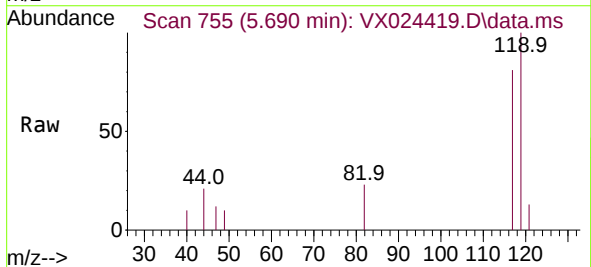
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

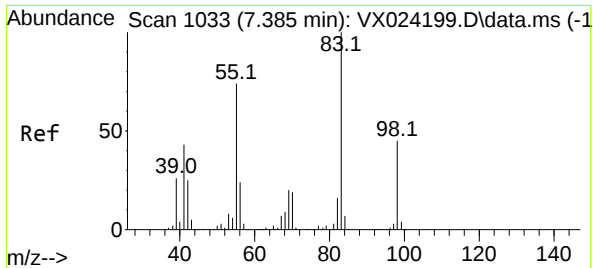
Tgt Ion: 75 Resp: 10710
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.513 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 117 Resp: 1315
Ion Ratio Lower Upper
117 100
119 123.3 76.2 114.2#
121 16.0 24.8 37.2#

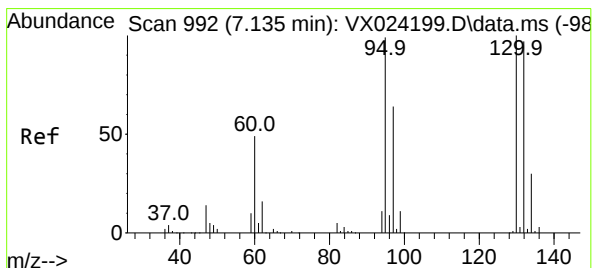
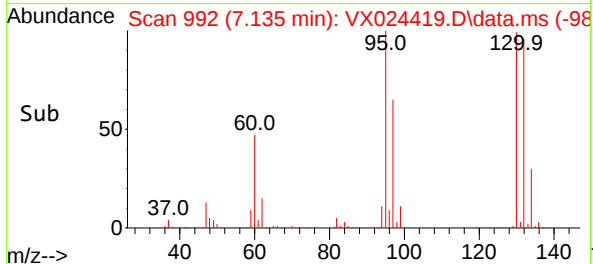
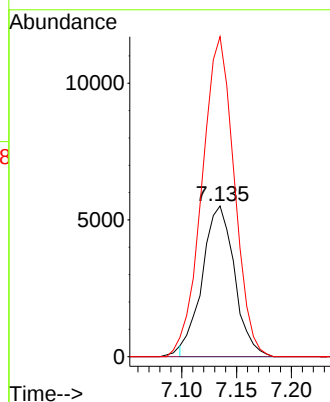
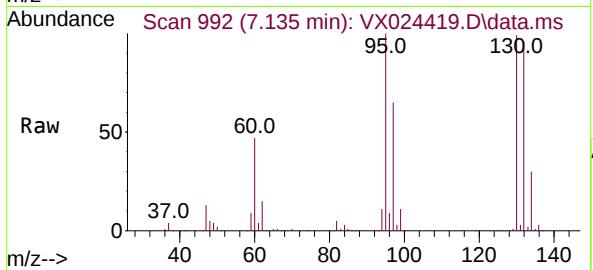




#39
Methylcyclohexane
Concen: 4.133 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

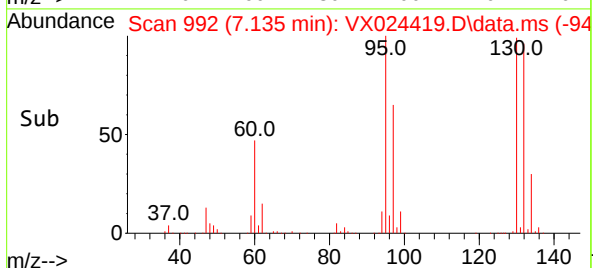
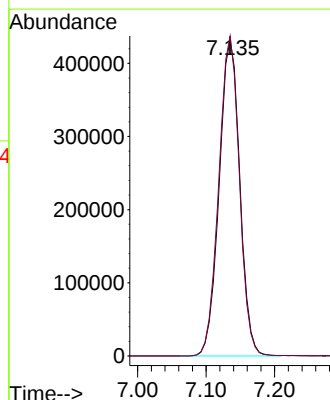
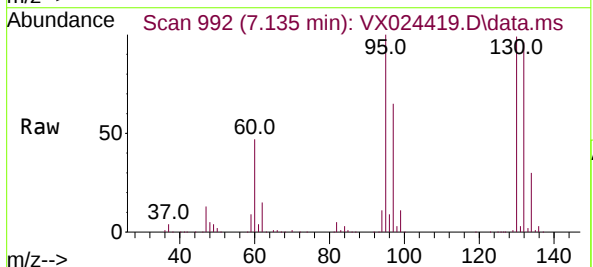
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

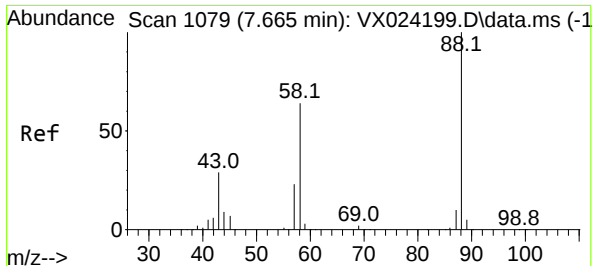
Tgt Ion: 83 Resp: 11236
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 209.9 38.1 57.1#



#44
Trichloroethene
Concen: 492.064 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion:130 Resp: 902898
Ion Ratio Lower Upper
130 100
95 101.2 0.0 198.0

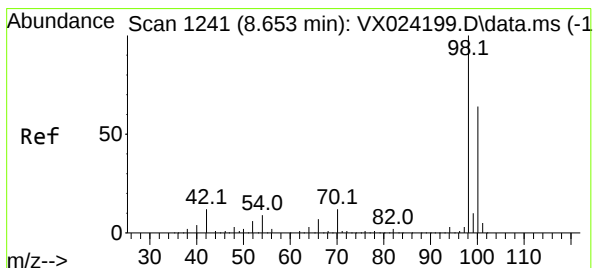
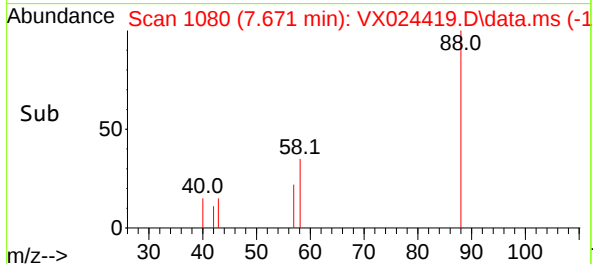
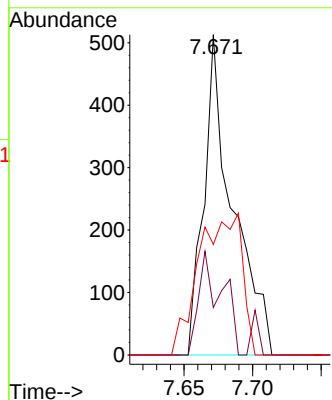
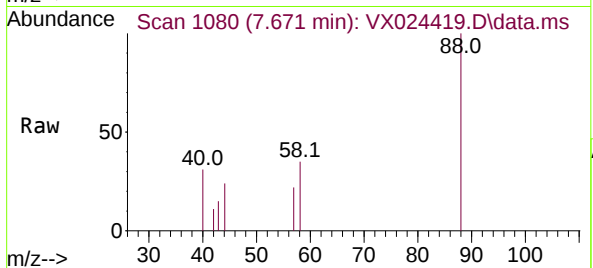




#49
1,4-Dioxane
Concen: 16.952 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

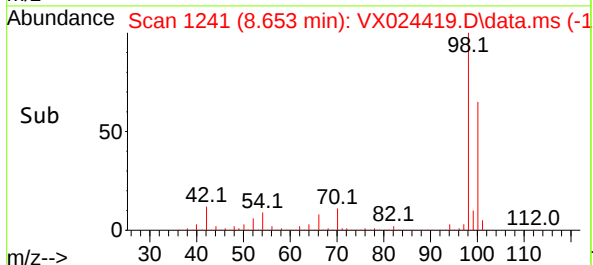
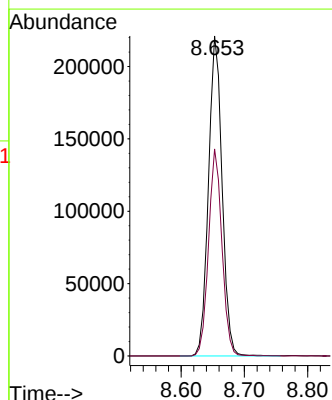
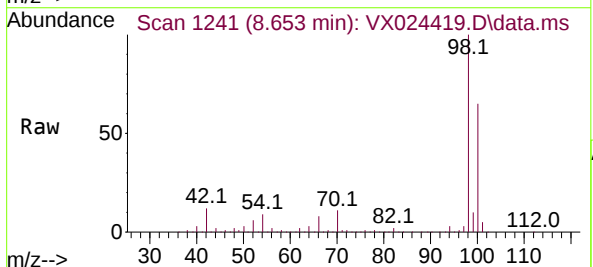
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

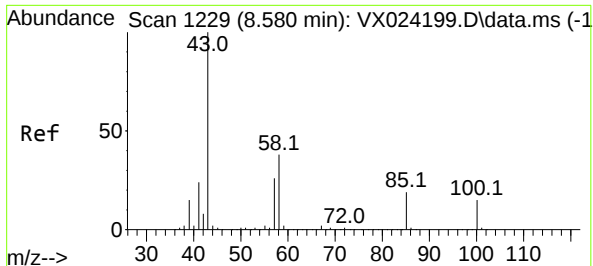
Tgt Ion: 88 Resp: 748
Ion Ratio Lower Upper
88 100
43 26.2 23.2 34.8
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 54.674 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 98 Resp: 330815
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

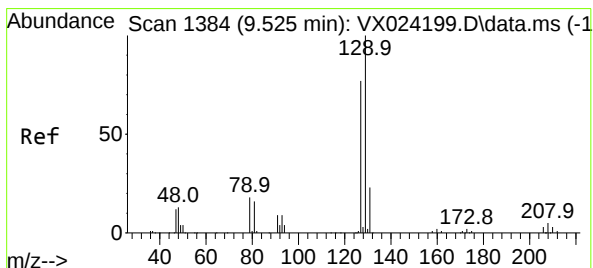
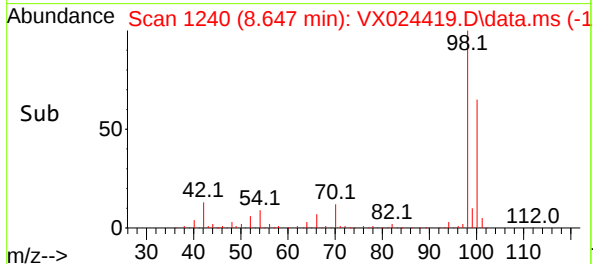
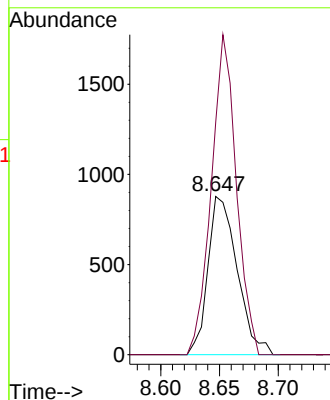
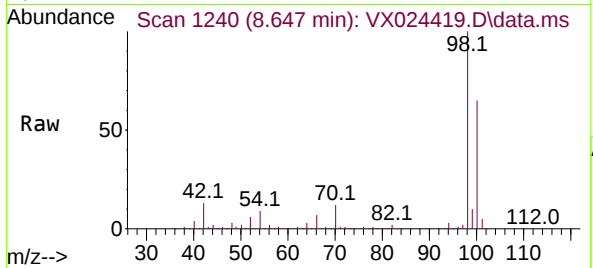




#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

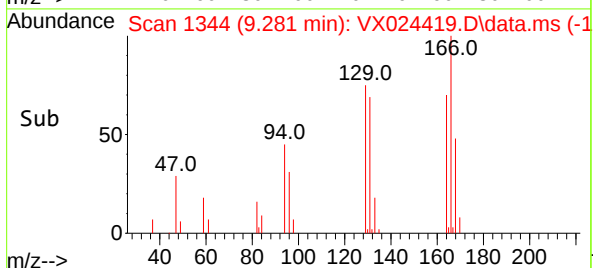
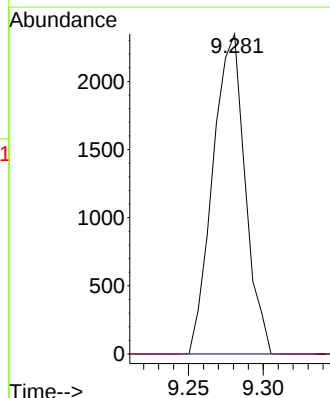
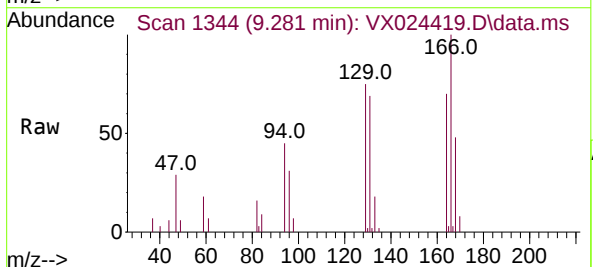
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

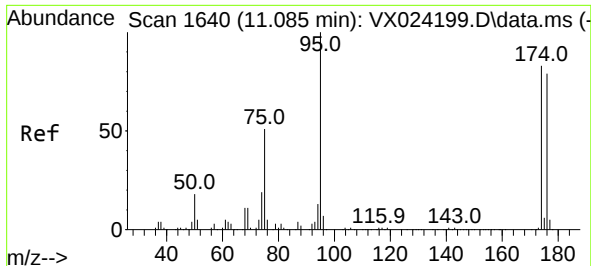
Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
58 173.1 35.4 53.0#



#60
Dibromochloromethane
Concen: 3.373 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 129 Resp: 3526
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

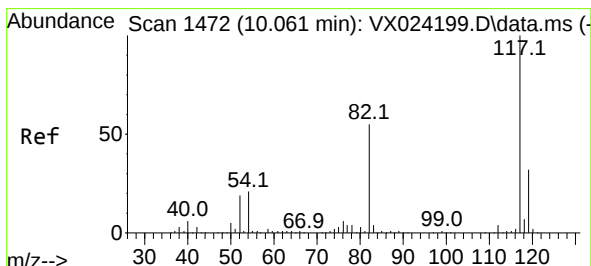
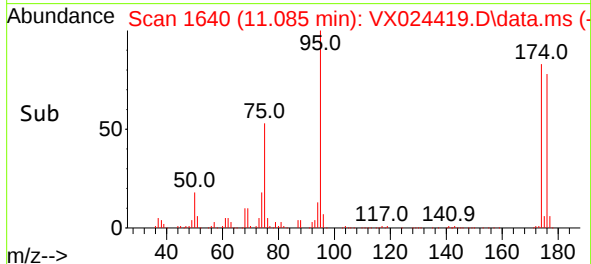
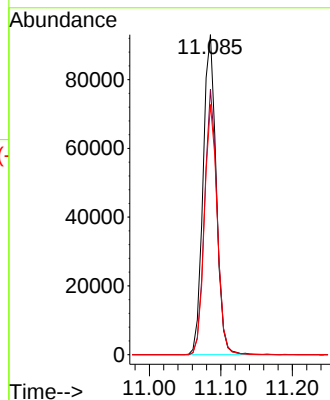
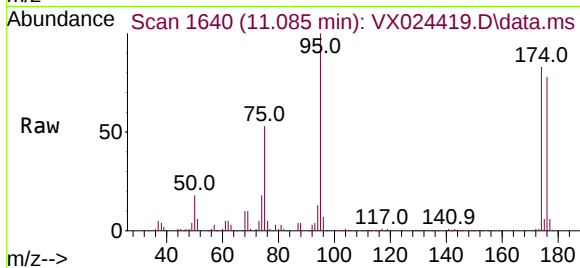




#62
4-Bromofluorobenzene
Concen: 50.420 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

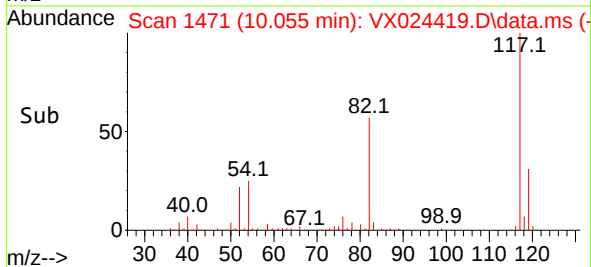
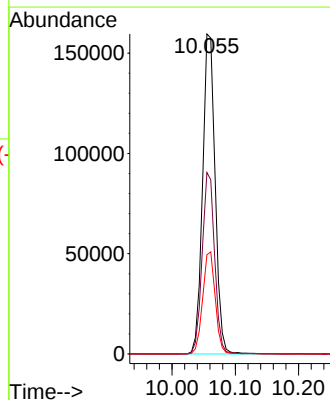
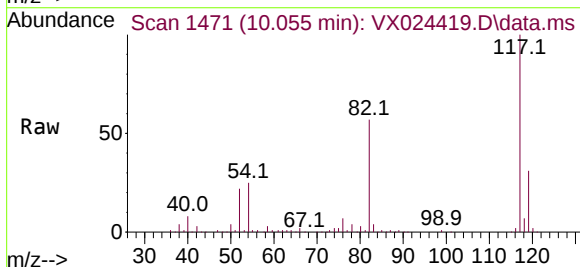
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

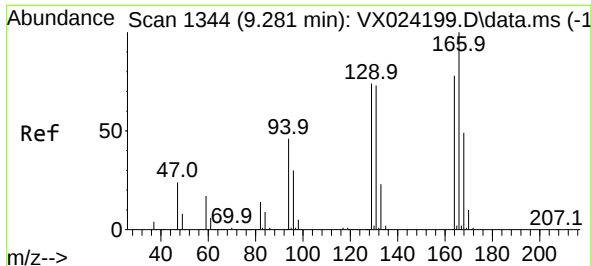
Tgt Ion: 95 Resp: 118724
Ion Ratio Lower Upper
95 100
174 79.8 0.0 154.6
176 76.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

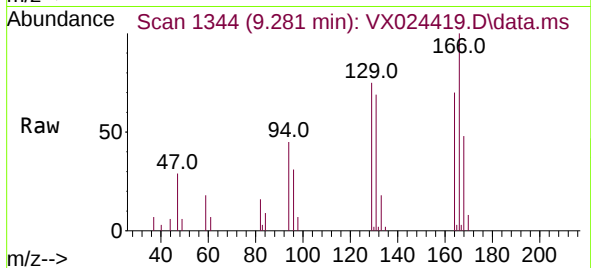
Tgt Ion: 117 Resp: 220737
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.0 26.6 39.8



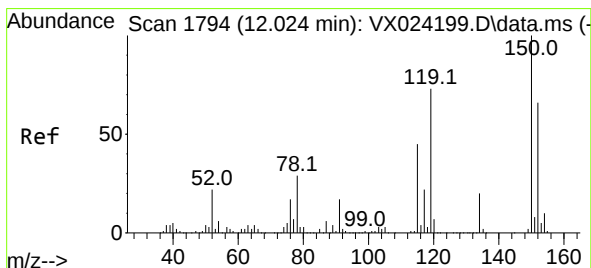
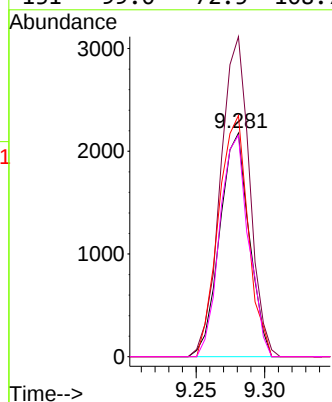
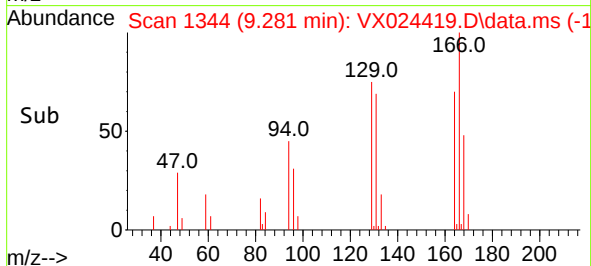


#64
Tetrachloroethene
Concen: 1.900 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

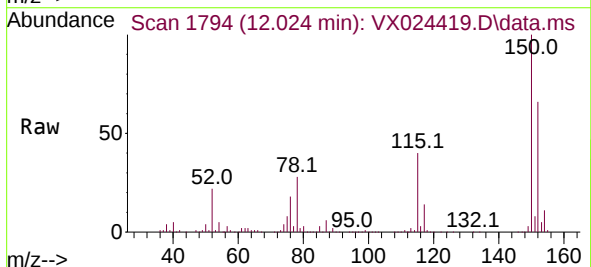
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920



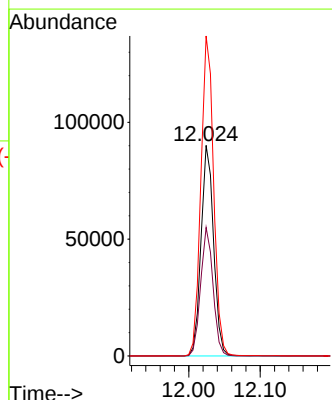
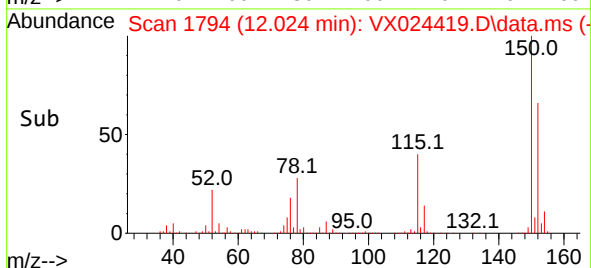
Tgt Ion:164 Resp: 3249
Ion Ratio Lower Upper
164 100
166 143.1 103.4 155.2
129 107.9 70.8 106.2#
131 99.0 72.5 108.7

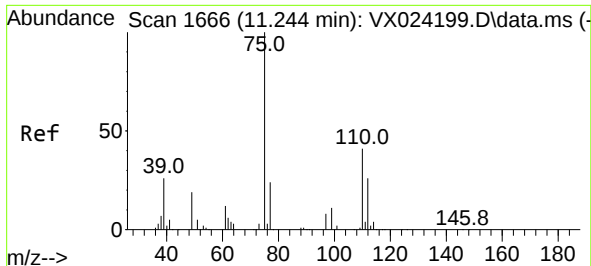


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22



Tgt Ion:152 Resp: 109789
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 154.1 0.0 349.0

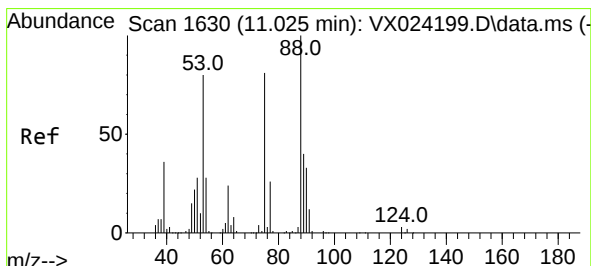
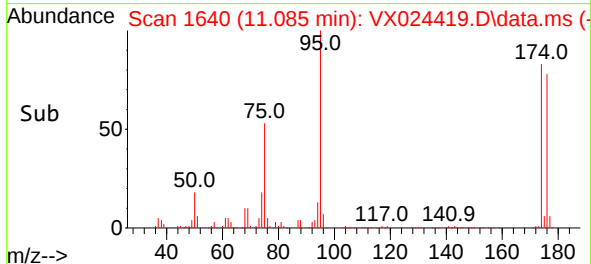
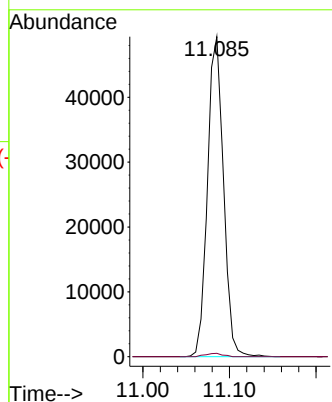
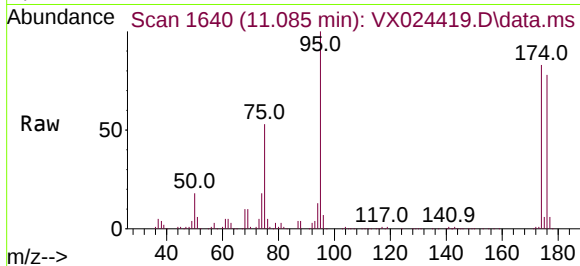




#76
1,2,3-Trichloropropane
Concen: 25.040 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20210920

Tgt Ion: 75 Resp: 63213
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.642 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024419.D
Acq: 22 Sep 2021 05:22

Tgt Ion: 75 Resp: 63213
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

