

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024339.D
 Acq On : 18 Sep 2021 04:08
 Operator : JC/MD
 Sample : M3782-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20210915

Quant Time: Sep 20 02:45:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

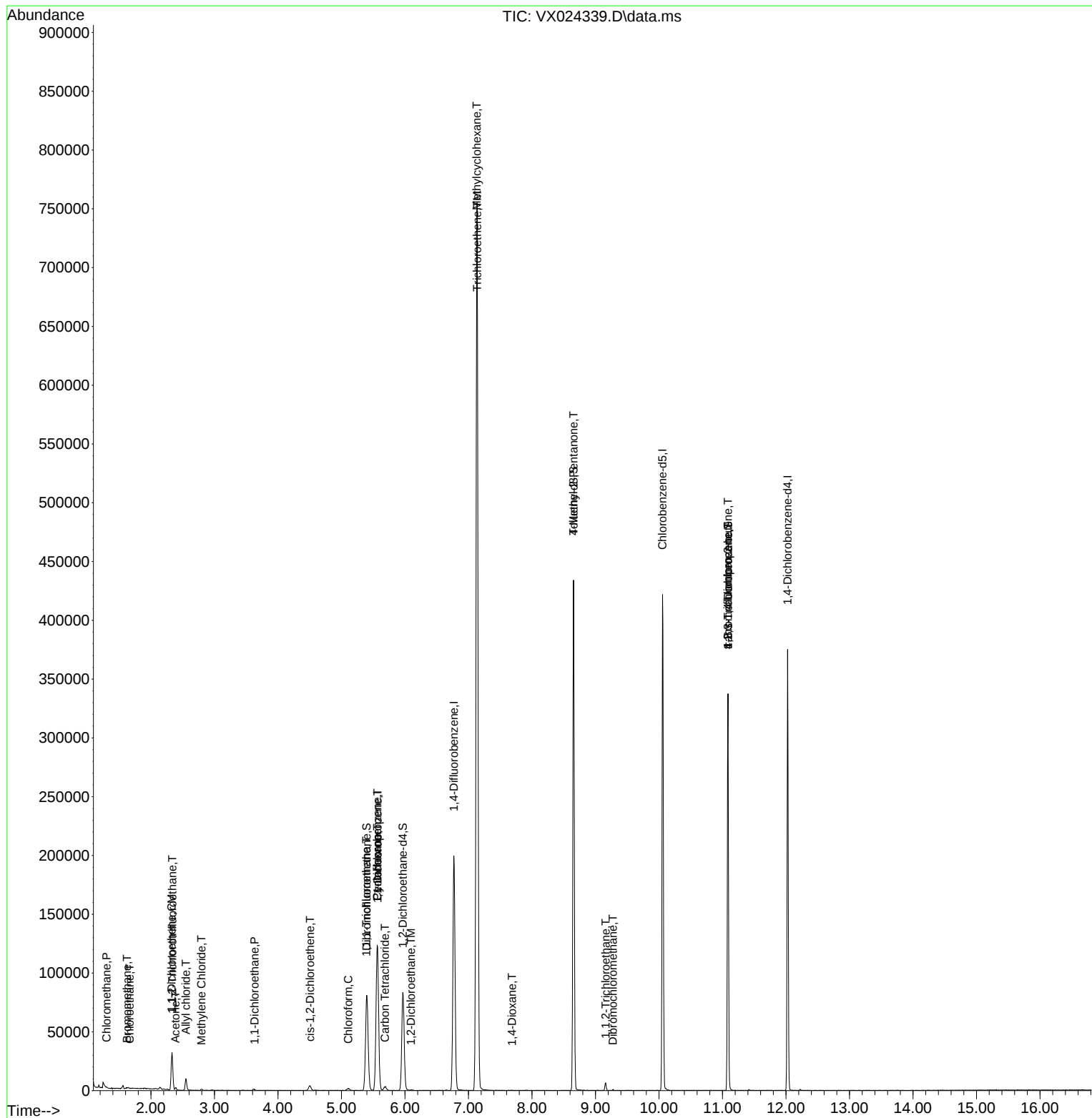
Internal Standards						
1) Pentafluorobenzene	5.562	168	114539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	195937	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	83992	51.425	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.860%	
35) Dibromofluoromethane	5.398	113	67374	51.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	8.653	98	242279	50.612	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.220%	
62) 4-Bromofluorobenzene	11.086	95	82429	44.247	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.500%	
Target Compounds						Qvalue
3) Chloromethane	1.301	50	404	0.351	ug/l	98
5) Bromomethane	1.624	94	436	0.640	ug/l	99
6) Chloroethane	1.666	64	128	2.134	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	7884	6.992	ug/l	92
11) Tert butyl alcohol	2.953	59	218	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	4258	4.032	ug/l	84
14) Allyl chloride	2.550	41	977	0.509	ug/l #	38
16) Acetone	2.386	43	2413	3.465	ug/l	96
20) Methylene Chloride	2.794	84	599	0.448	ug/l #	65
24) 1,1-Dichloroethane	3.630	63	1446	0.654	ug/l #	81
27) cis-1,2-Dichloroethene	4.507	96	2768	2.073	ug/l	88
30) Chloroform	5.105	83	2349	0.999	ug/l #	72
31) Cyclohexane	5.562	56	2494	1.305	ug/l #	30
32) 1,1,1-Trichloroethane	5.391	97	645	0.306	ug/l #	46
36) 1,1-Dichloropropene	5.568	75	9402	5.219	ug/l #	49
38) Carbon Tetrachloride	5.684	117	2723	1.343	ug/l #	89
39) Methylcyclohexane	7.129	83	3330	1.548	ug/l #	1
42) 1,2-Dichloroethane	6.093	62	611	0.284	ug/l #	73
44) Trichloroethene	7.135	130	278961	192.161	ug/l	99
49) 1,4-Dioxane	7.684	88	244	6.990	ug/l #	37
51) 4-Methyl-2-Pentanone	8.653	43	1307	0.614	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1690	1.172	ug/l #	88
60) Dibromochloromethane	9.275	129	51	1.756	ug/l #	11
76) 1,2,3-Trichloropropane	11.086	75	45191	27.020	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	45191	79.466	ug/l #	12

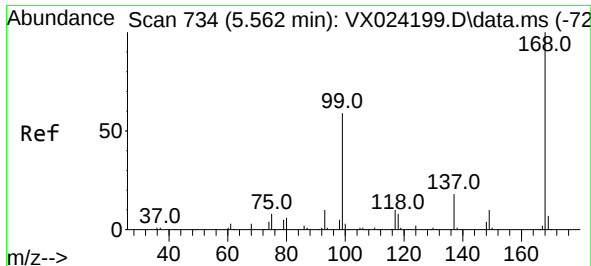
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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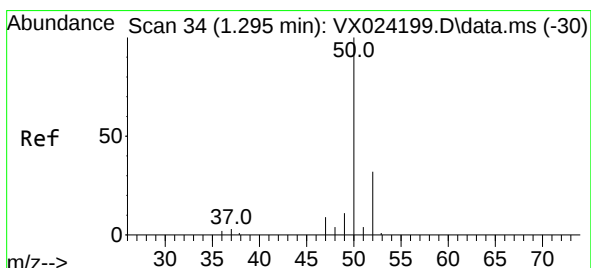
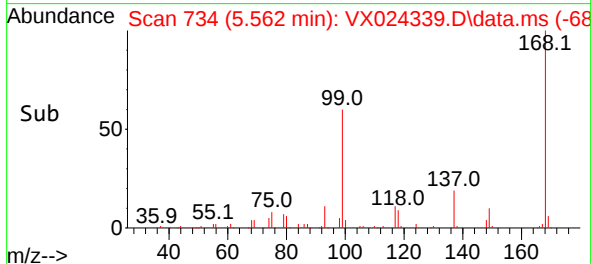
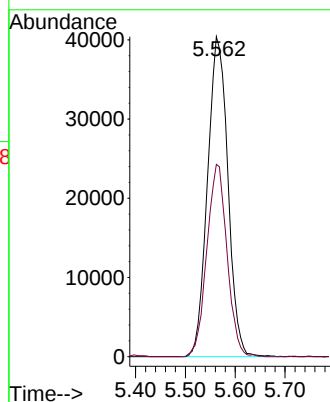
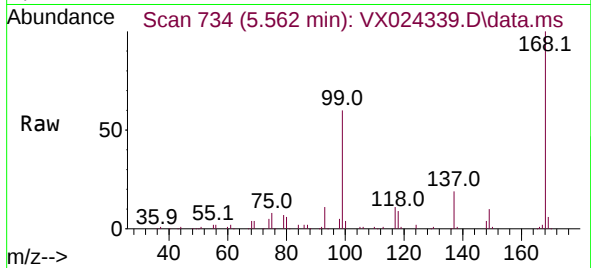




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

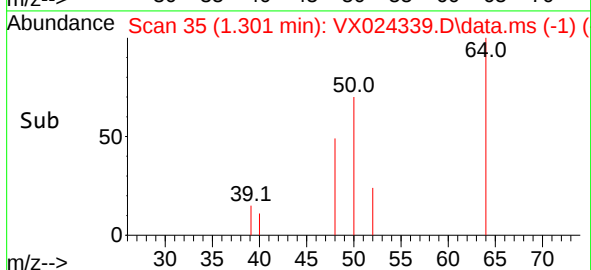
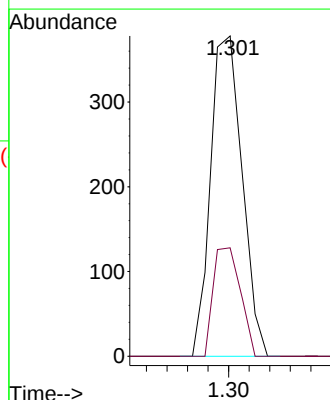
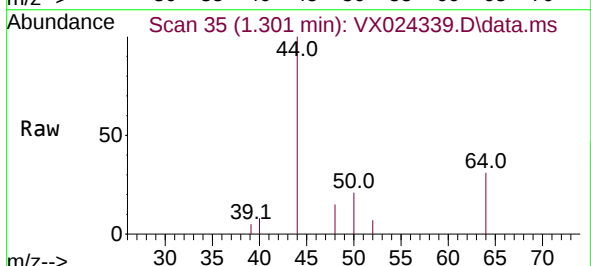
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915

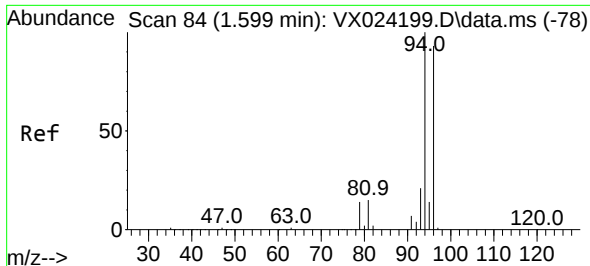
Tgt Ion:168 Resp: 114539
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#3
Chloromethane
Concen: 0.351 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 50 Resp: 404
Ion Ratio Lower Upper
50 100
52 33.9 26.4 39.6

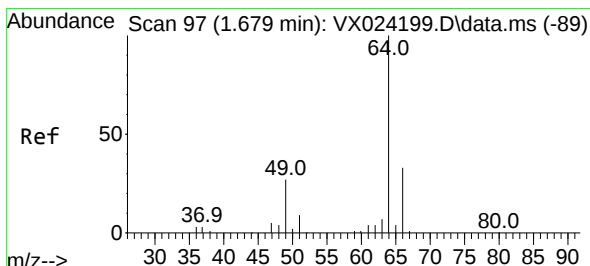
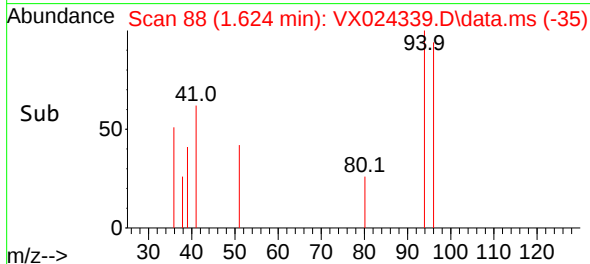
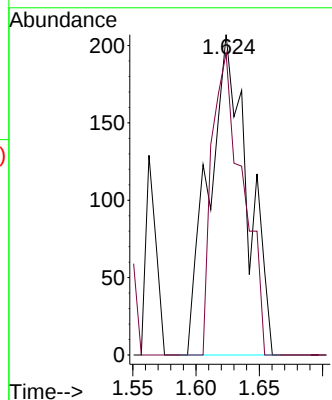
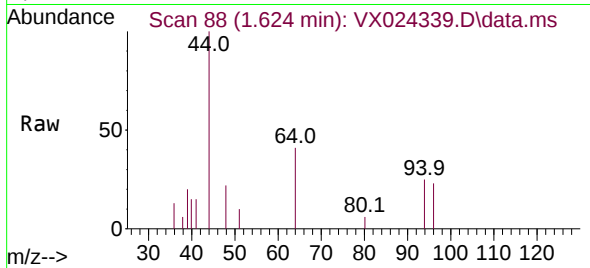




#5
Bromomethane
Concen: 0.640 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

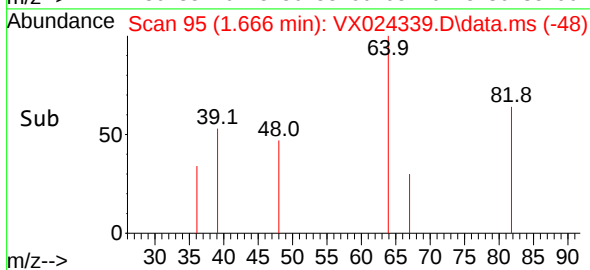
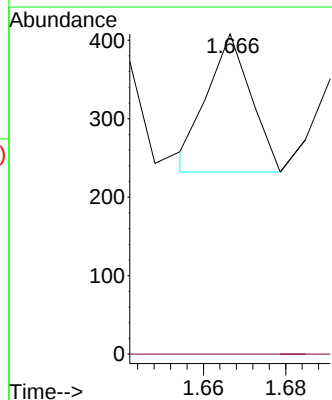
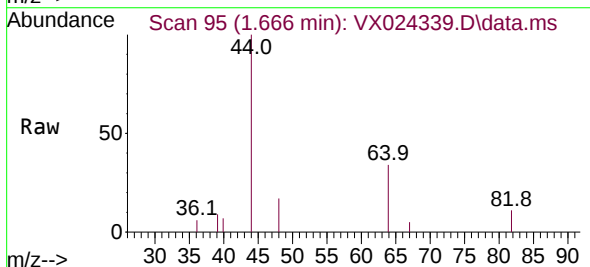
Instrument :
MSVOA_X
ClientSampleId :
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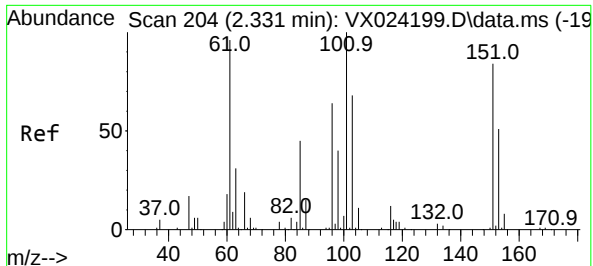
Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 94.2 76.4 114.6



#6
Chloroethane
Concen: 2.134 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 64 Resp: 128
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

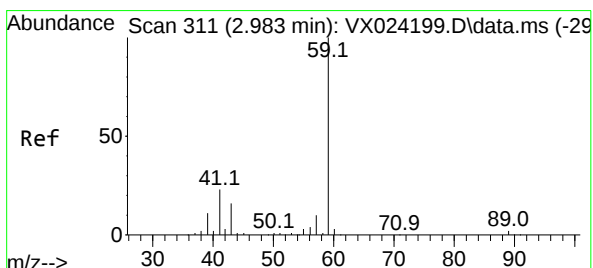
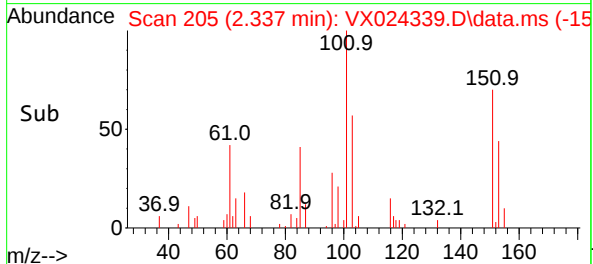
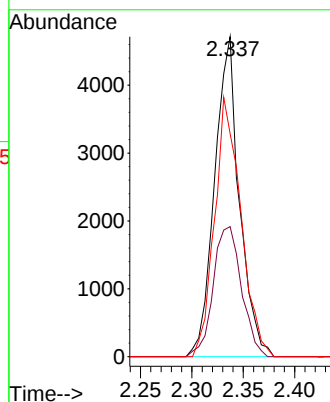
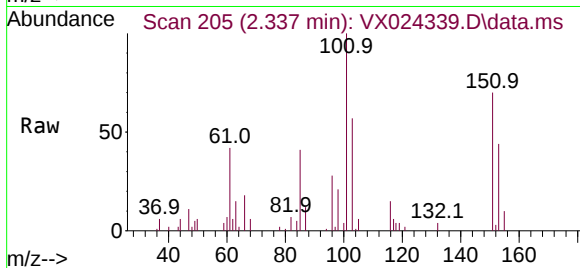




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.992 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

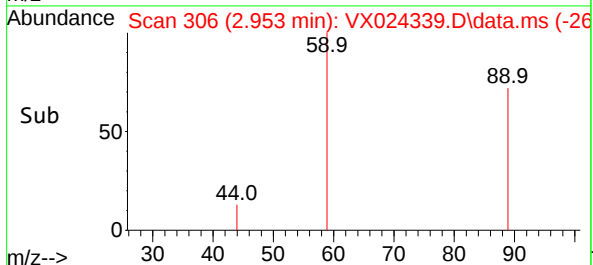
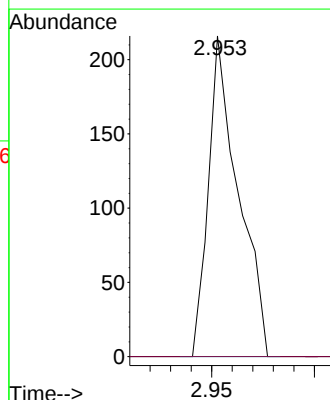
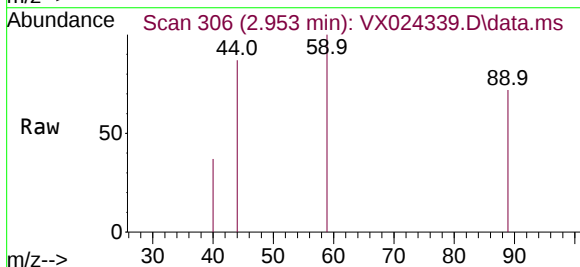
Instrument :
MSVOA_X
ClientSampleId :
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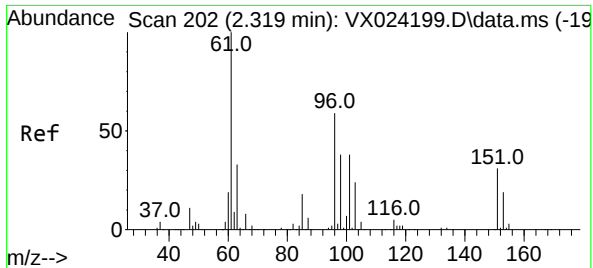
Tgt Ion:101 Resp: 7884
Ion Ratio Lower Upper
101 100
85 46.4 34.9 52.3
151 86.1 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

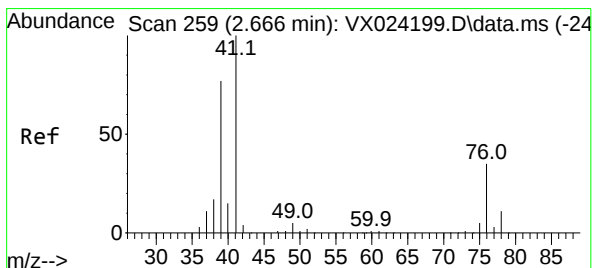
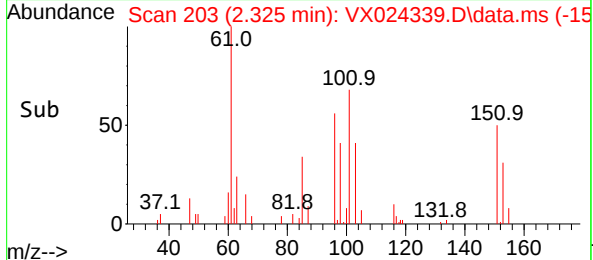
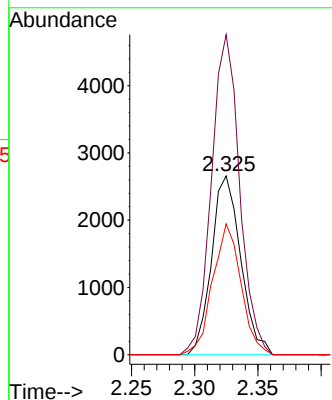
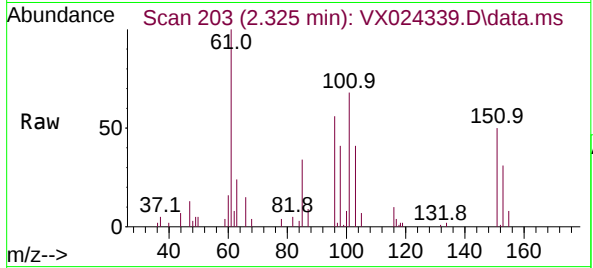




#12
1,1-Dichloroethene
Concen: 4.032 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

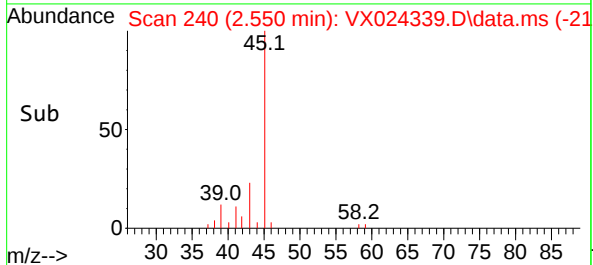
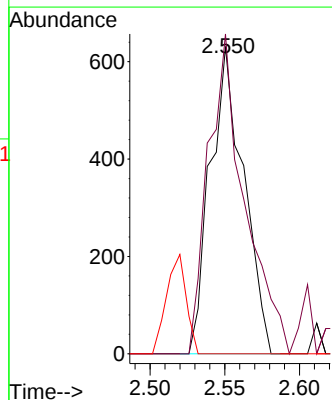
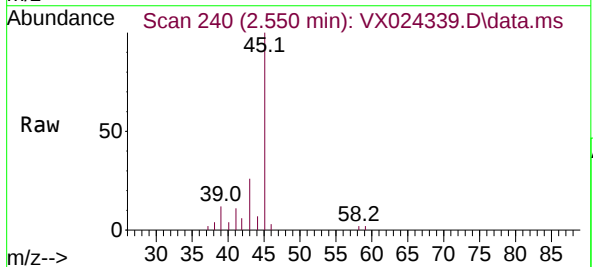
Instrument :
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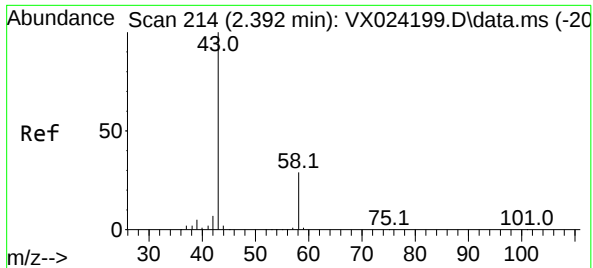
Tgt Ion: 96 Resp: 4258
Ion Ratio Lower Upper
96 100
61 179.1 124.6 187.0
98 73.2 50.6 76.0



#14
Allyl chloride
Concen: 0.509 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 41 Resp: 977
Ion Ratio Lower Upper
41 100
39 113.2 51.6 77.4#
76 0.0 30.5 45.7#

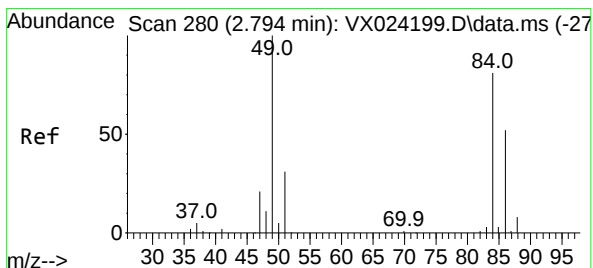
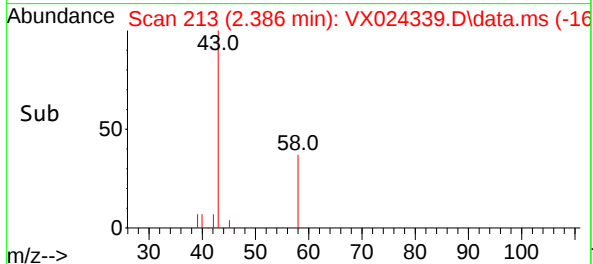
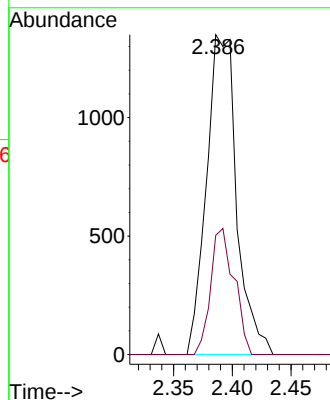
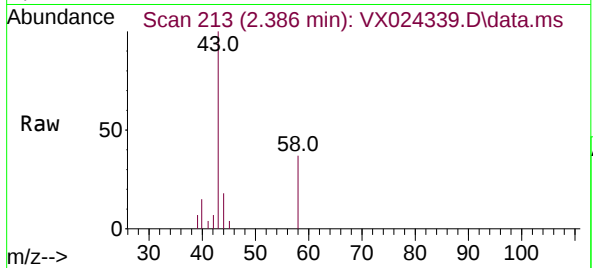




#16
Acetone
Concen: 3.465 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

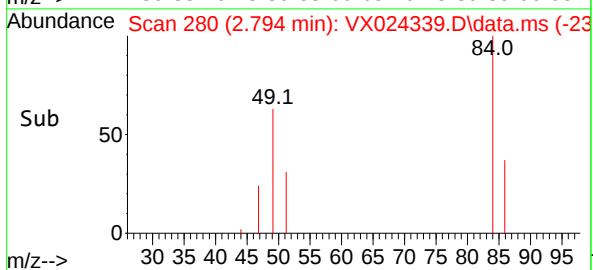
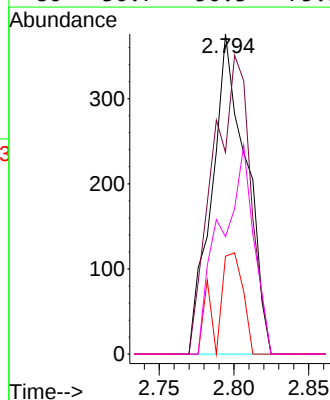
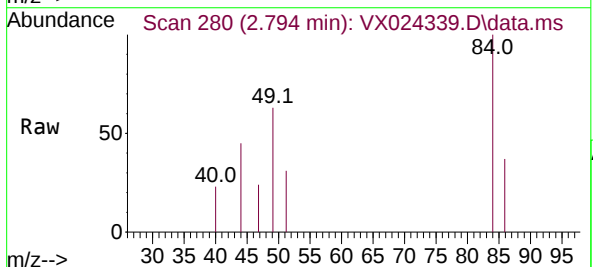
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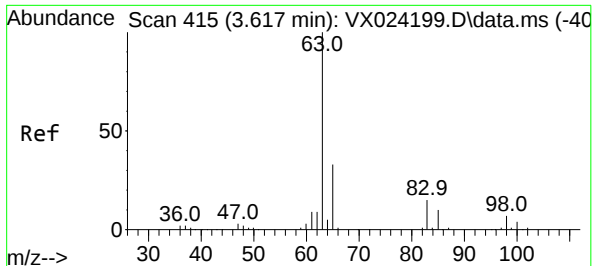
Tgt Ion: 43 Resp: 2413
Ion Ratio Lower Upper
43 100
58 37.3 27.8 41.8



#20
Methylene Chloride
Concen: 0.448 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 84 Resp: 599
Ion Ratio Lower Upper
84 100
49 63.0 88.6 132.8#
51 30.6 27.0 40.6
86 36.7 50.3 75.5#

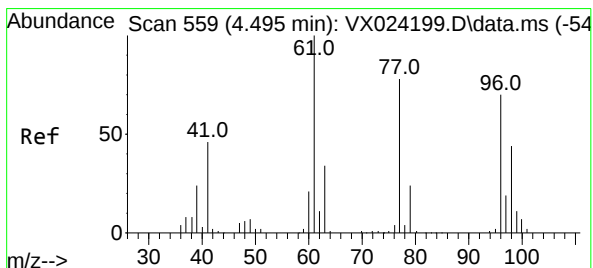
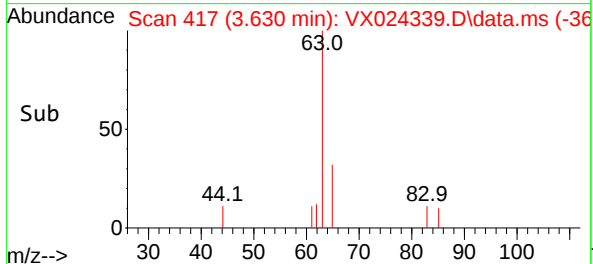
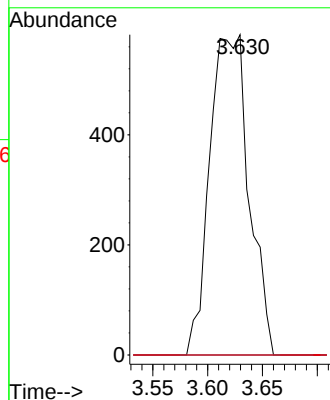
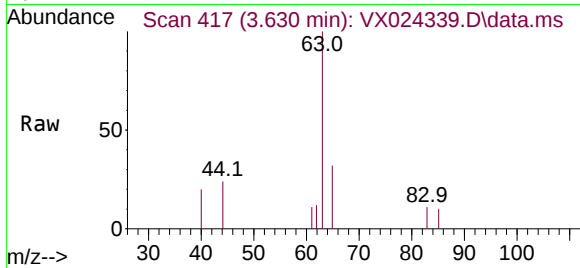




#24
1,1-Dichloroethane
Concen: 0.654 ug/l
RT: 3.630 min Scan# 417
Delta R.T. 0.013 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

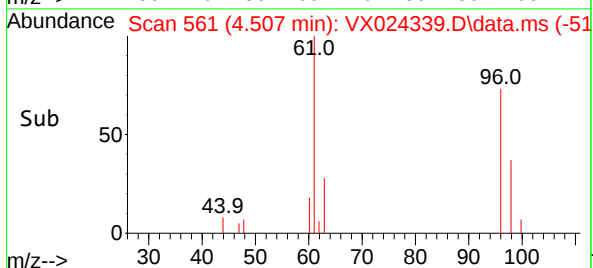
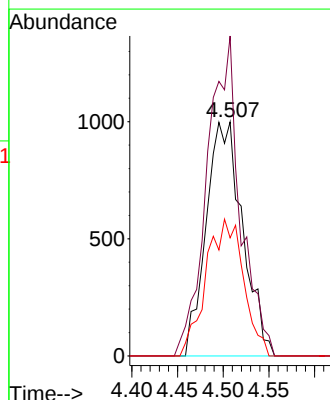
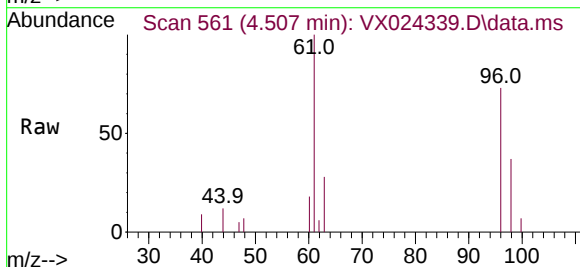
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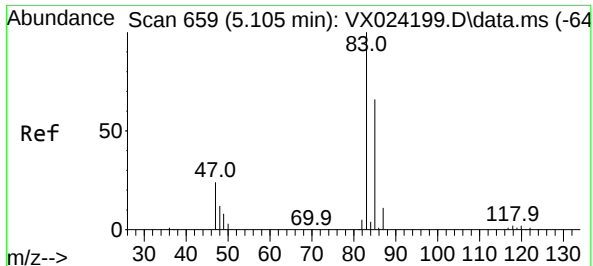
Tgt Ion: 63 Resp: 1446
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.073 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.012 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 96 Resp: 2768
Ion Ratio Lower Upper
96 100
61 124.1 0.0 285.6
98 59.9 0.0 129.6





#30

Chloroform

Concen: 0.999 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

Tgt Ion: 83 Resp: 2349

Ion Ratio Lower Upper

83 100

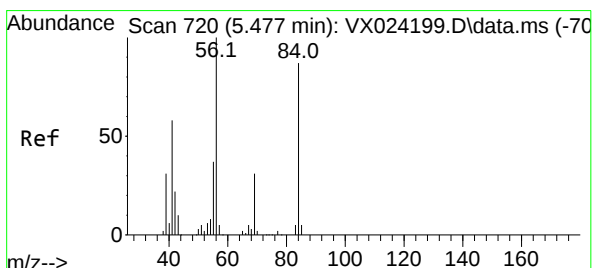
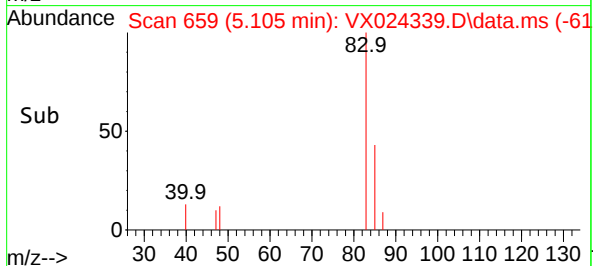
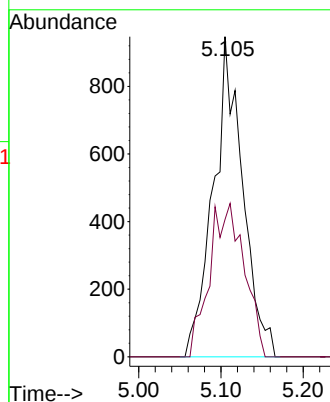
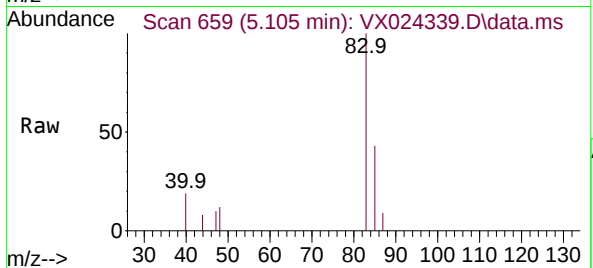
85 42.9 52.0 78.0#

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20210915



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

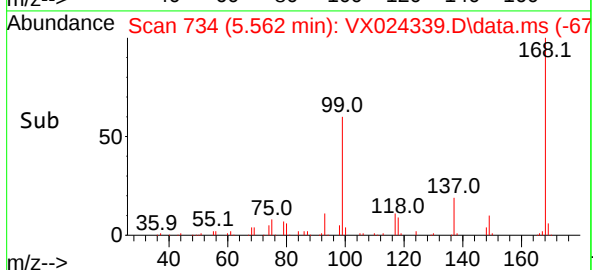
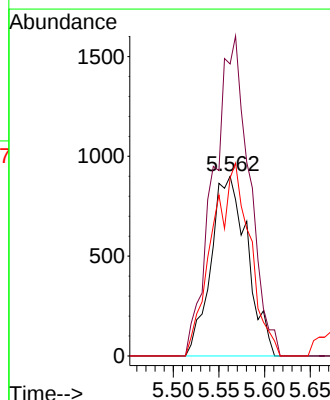
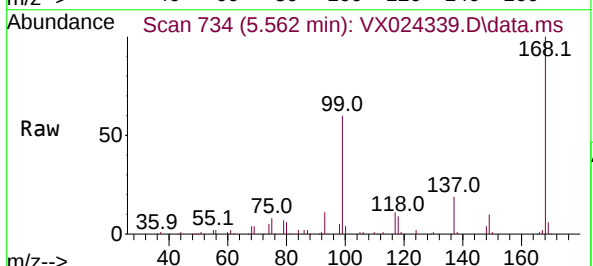
Tgt Ion: 56 Resp: 2494

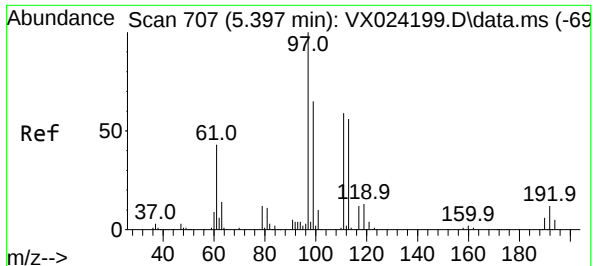
Ion Ratio Lower Upper

56 100

69 162.6 25.3 37.9#

84 99.1 71.4 107.0



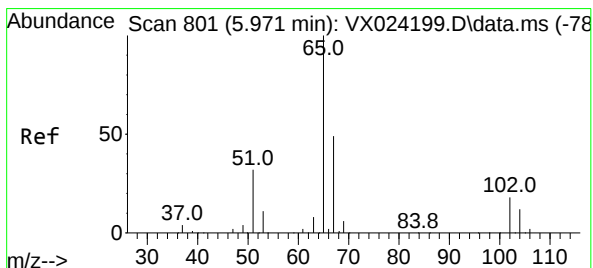
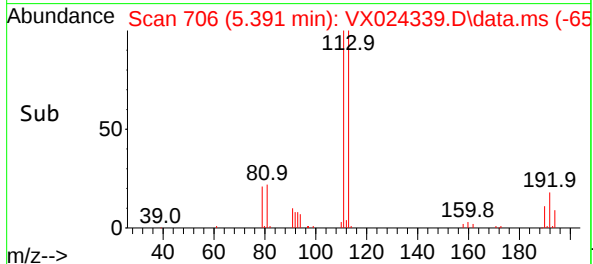
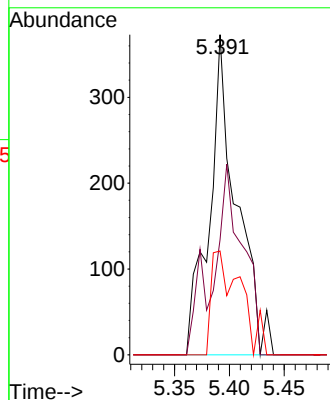
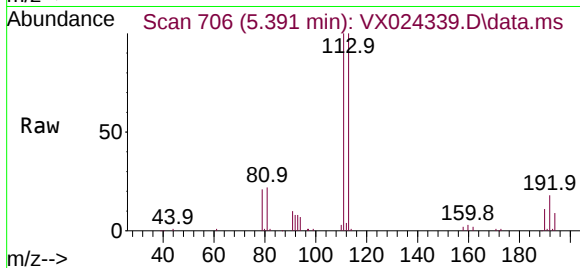


#32

1,1,1-Trichloroethane
Concen: 0.306 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915

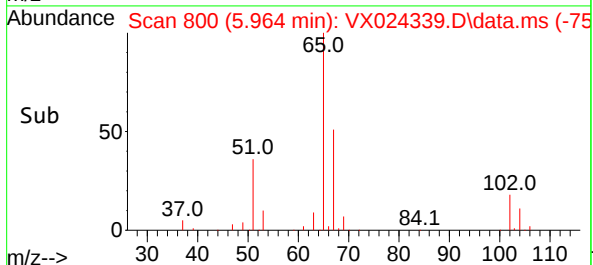
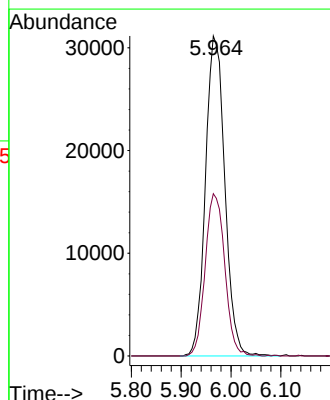
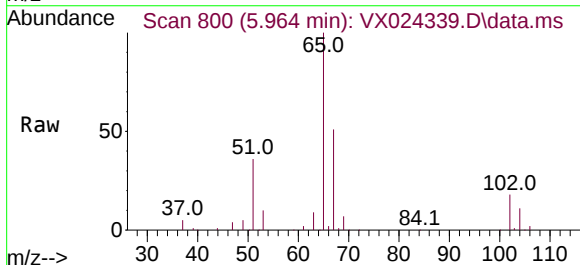
Tgt Ion: 97 Resp: 645
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 34.6 34.2 51.4

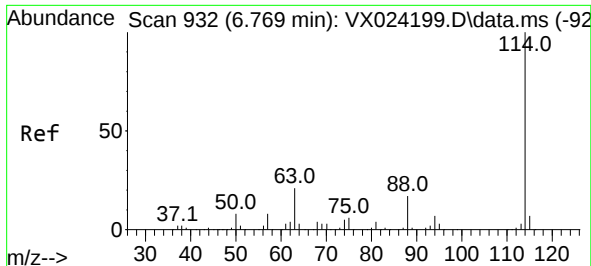


#33

1,2-Dichloroethane-d4
Concen: 51.425 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 65 Resp: 83992
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

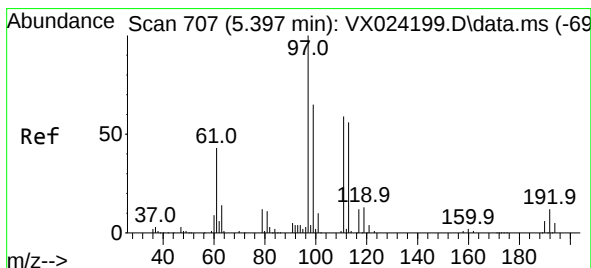
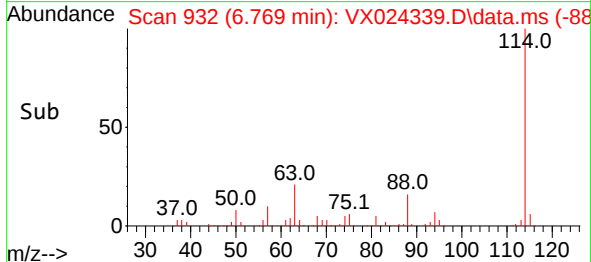
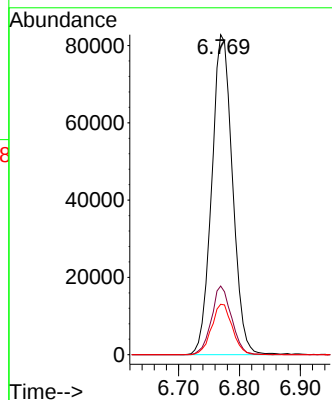
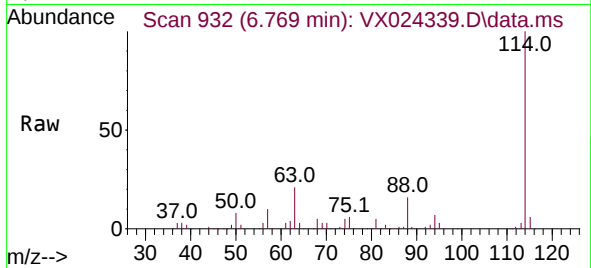




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

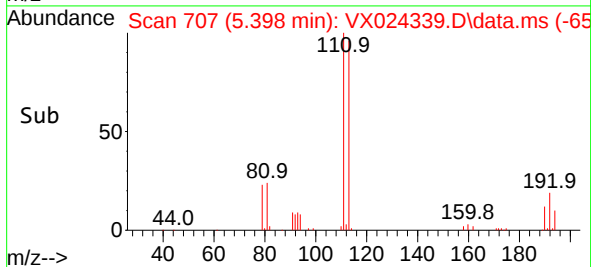
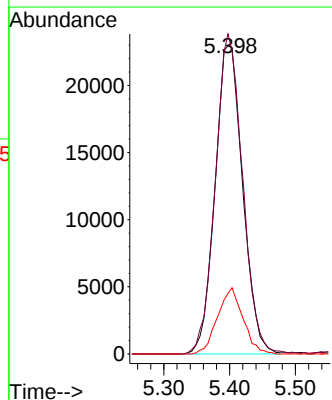
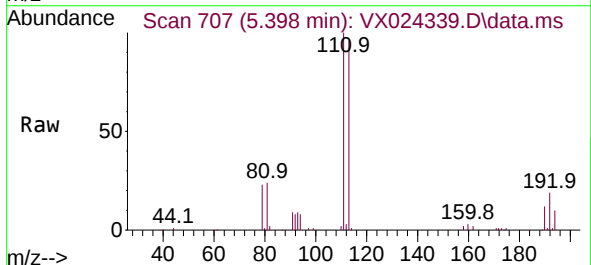
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915

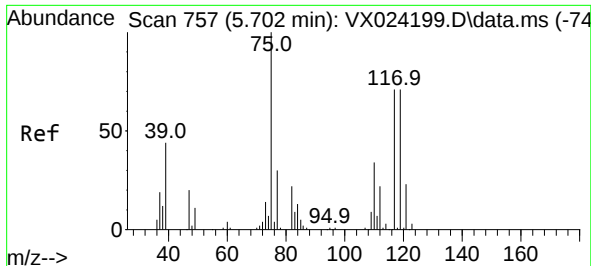
Tgt Ion:114 Resp: 195937
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.273 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion:113 Resp: 67374
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.219 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

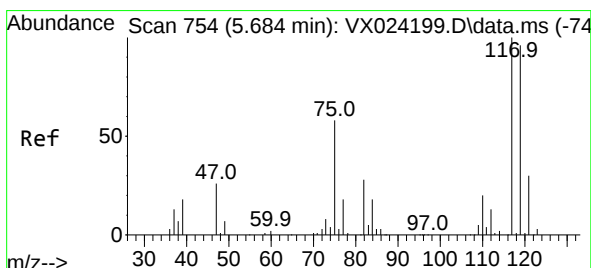
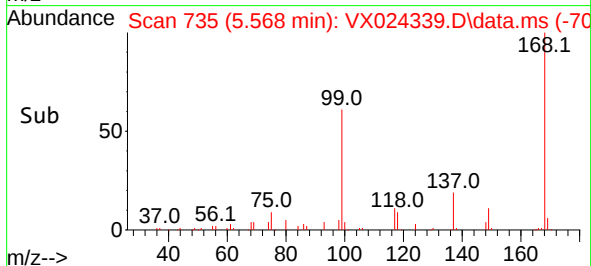
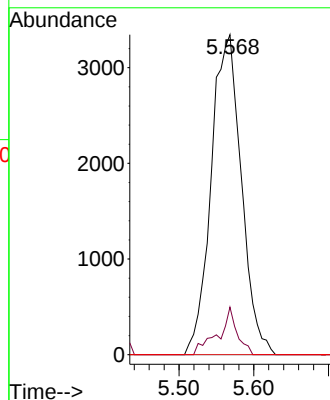
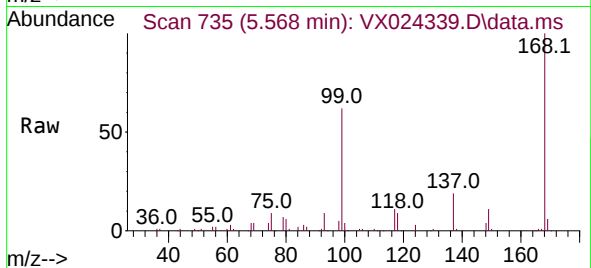
Tgt Ion: 75 Resp: 9402

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 1.343 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

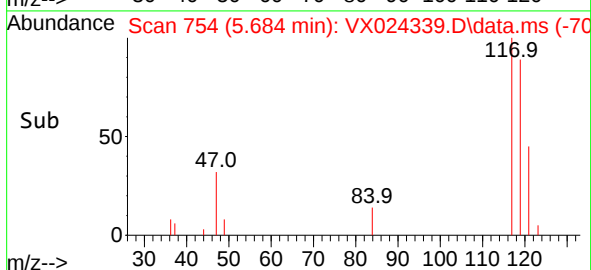
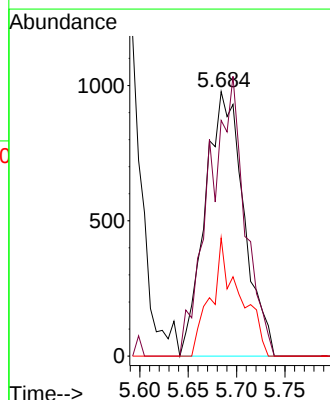
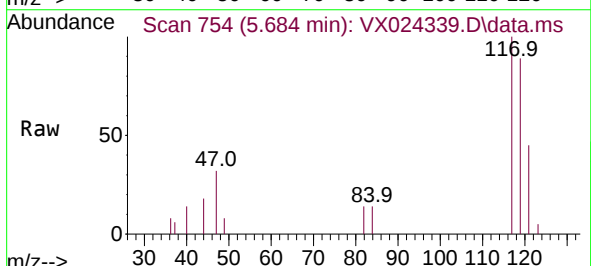
Tgt Ion: 117 Resp: 2723

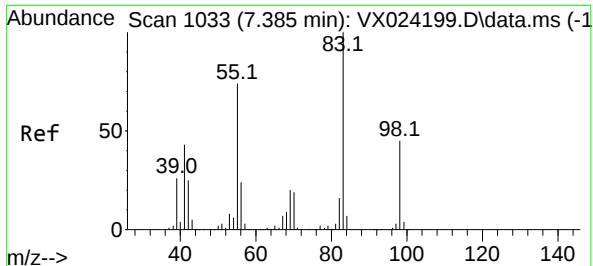
Ion Ratio Lower Upper

117 100

119 89.2 76.2 114.2

121 44.7 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.548 ug/l

RT: 7.129 min Scan# 991

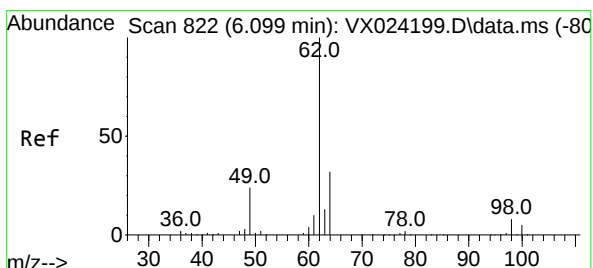
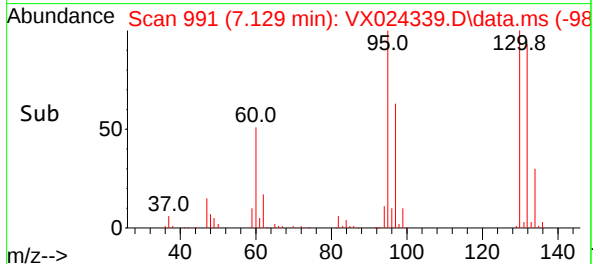
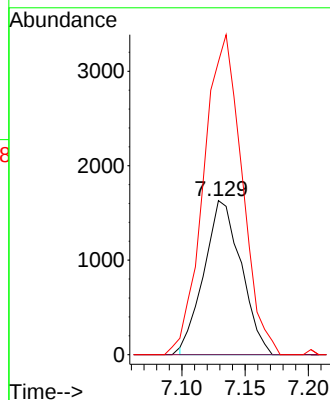
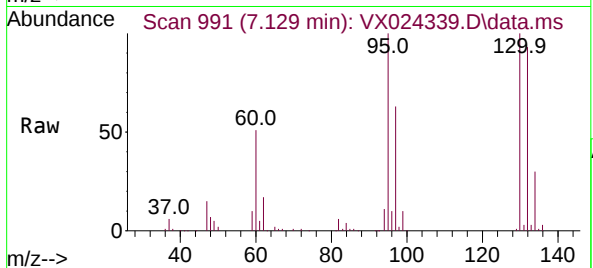
Delta R.T. -0.256 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

Tgt Ion:	83	Resp:	3330
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	190.2	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915



#42

1,2-Dichloroethane

Concen: 0.284 ug/l

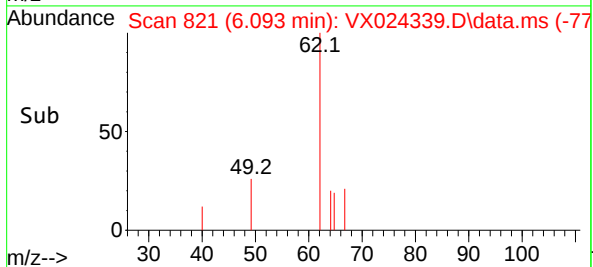
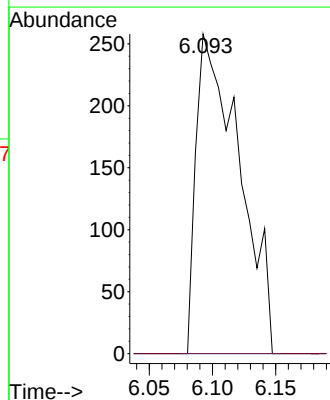
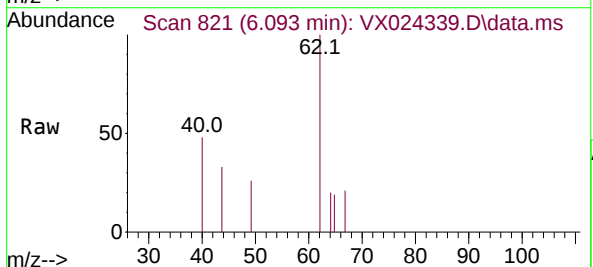
RT: 6.093 min Scan# 821

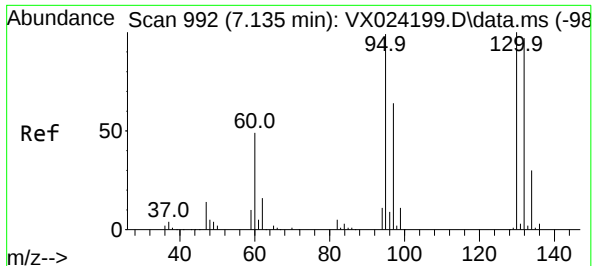
Delta R.T. -0.006 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

Tgt Ion:	62	Resp:	611
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

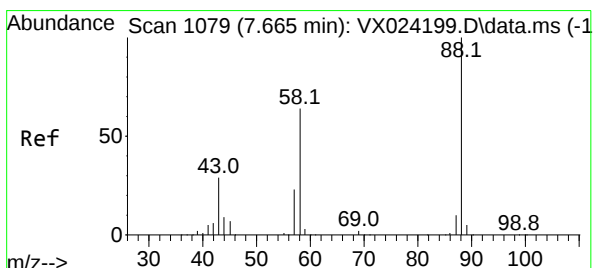
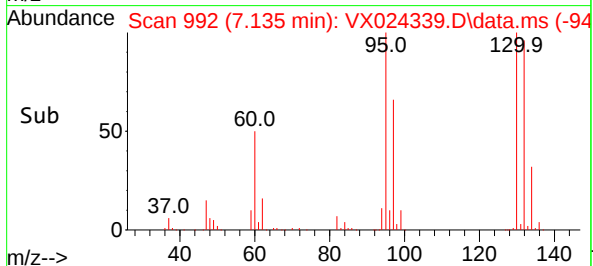
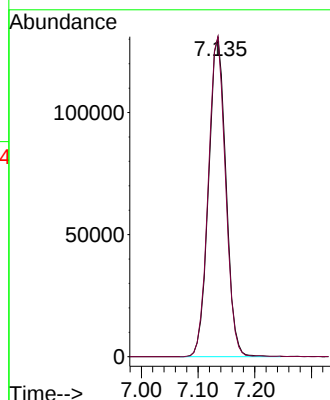
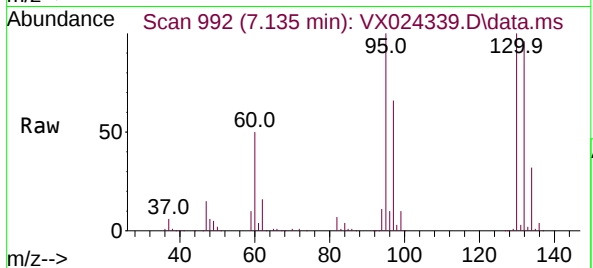




#44
Trichloroethene
Concen: 192.161 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

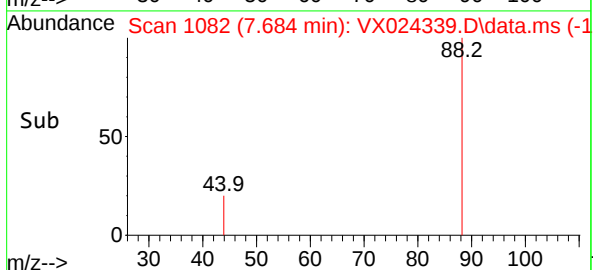
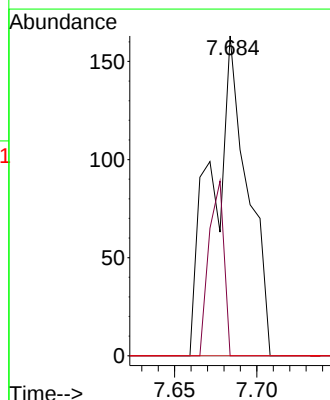
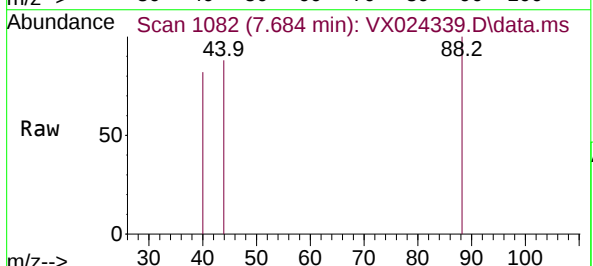
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915

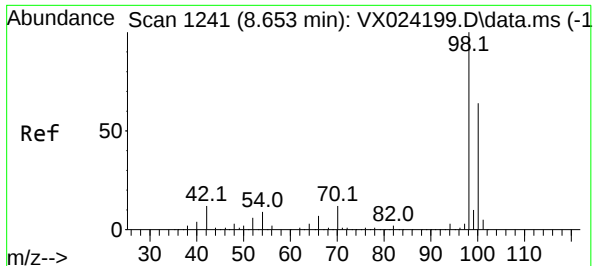
Tgt Ion:130 Resp: 278961
Ion Ratio Lower Upper
130 100
95 100.1 0.0 198.0



#49
1,4-Dioxane
Concen: 6.990 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 88 Resp: 244
Ion Ratio Lower Upper
88 100
43 23.0 23.2 34.8#
58 0.0 55.0 82.4#





#50

Toluene-d8

Concen: 50.612 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

Instrument :

MSVOA_X

ClientSampleId :

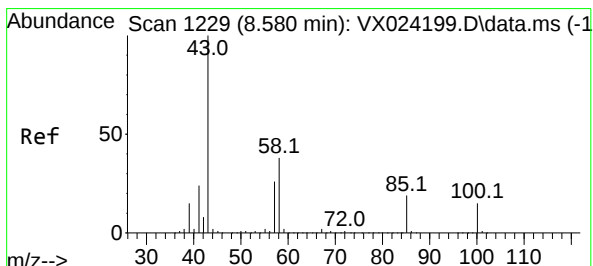
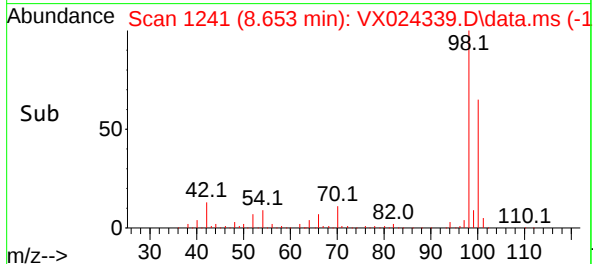
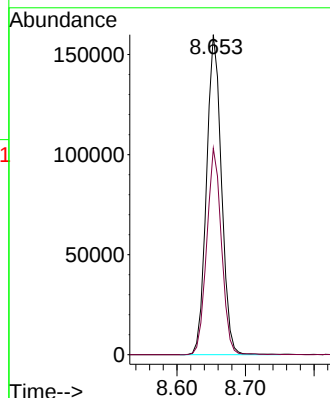
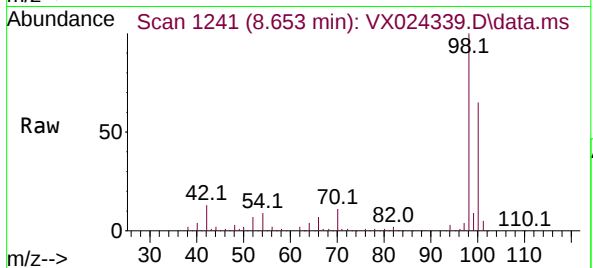
RE139D1-20210915

Tgt Ion: 98 Resp: 242279

Ion Ratio Lower Upper

98 100

100 63.7 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.614 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX024339.D

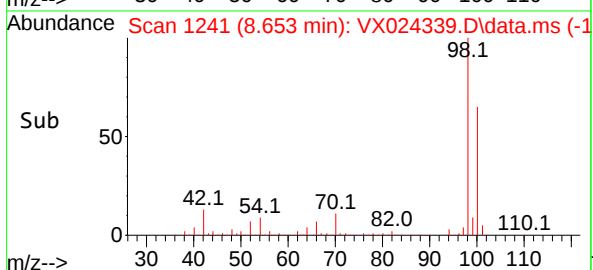
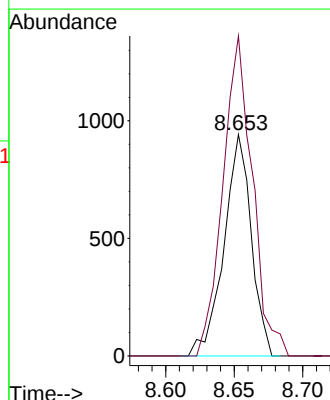
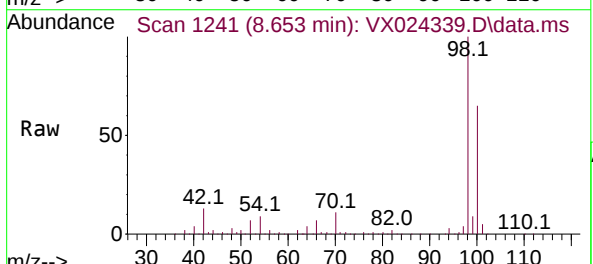
Acq: 18 Sep 2021 04:08

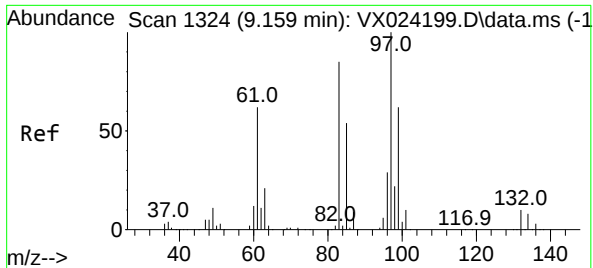
Tgt Ion: 43 Resp: 1307

Ion Ratio Lower Upper

43 100

58 156.2 35.4 53.0#

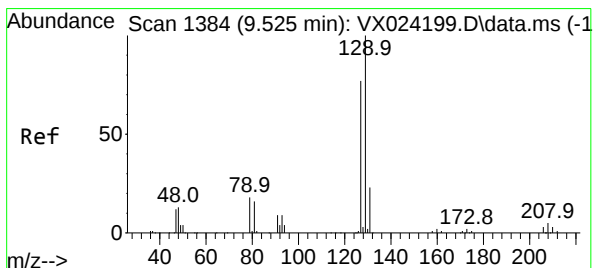
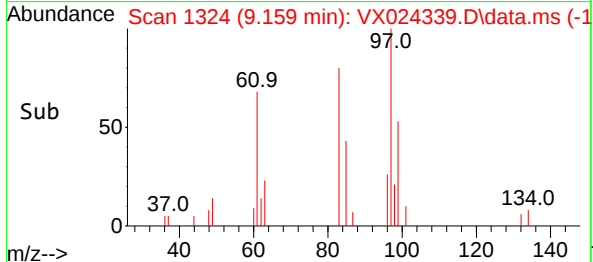
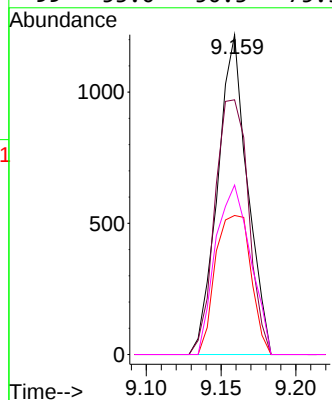
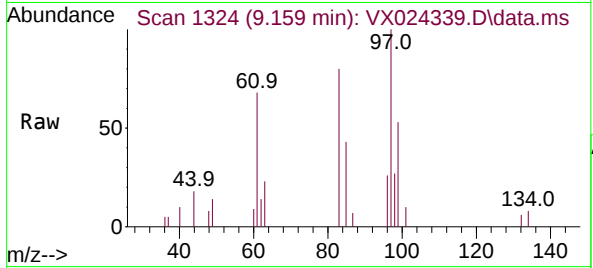




#55
1,1,2-Trichloroethane
Concen: 1.172 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

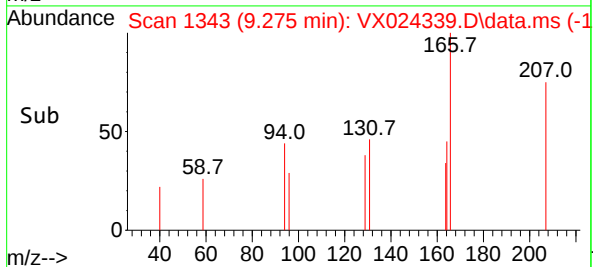
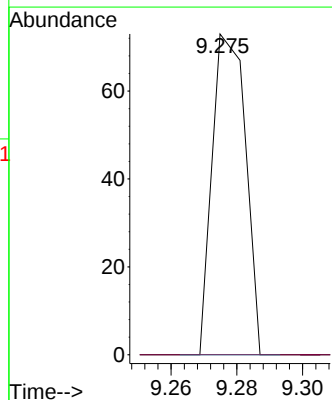
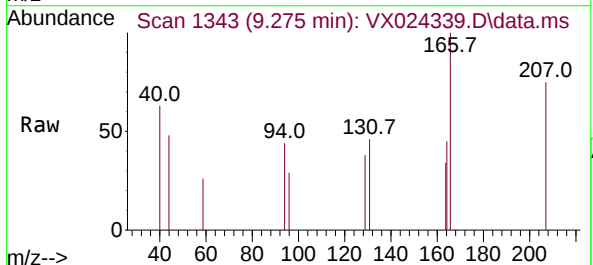
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915

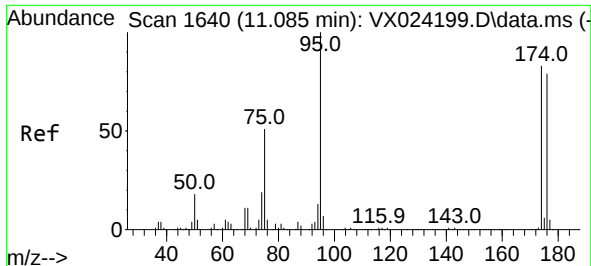
Tgt Ion: 97	Resp: 1690
Ion Ratio	Lower Upper
97 100	
83 79.7	69.3 103.9
85 43.5	44.3 66.5#
99 53.0	50.3 75.5



#60
Dibromochloromethane
Concen: 1.756 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 129	Resp: 51
Ion Ratio	Lower Upper
129 100	
127 0.0	38.4 115.2#

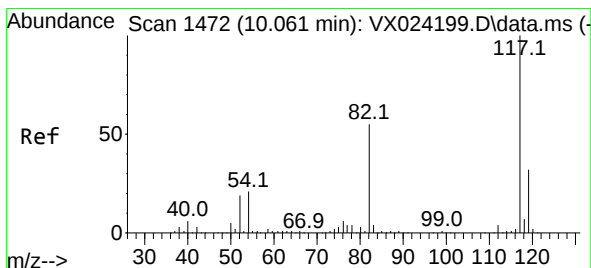
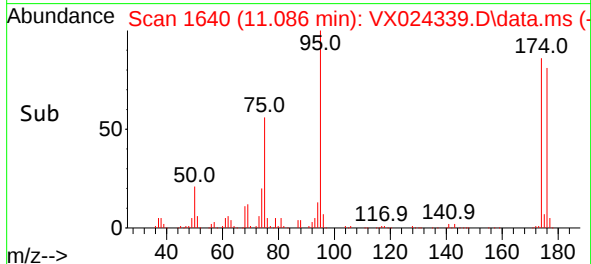
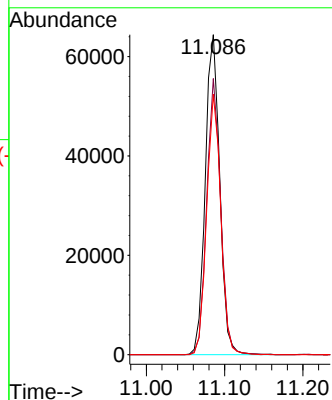
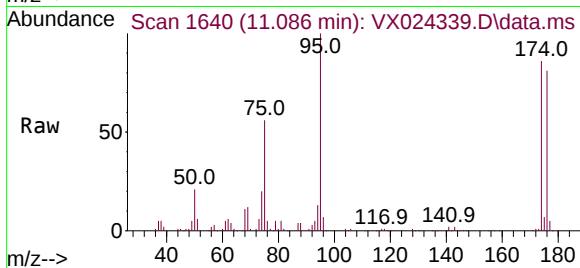




#62
4-Bromofluorobenzene
Concen: 44.247 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

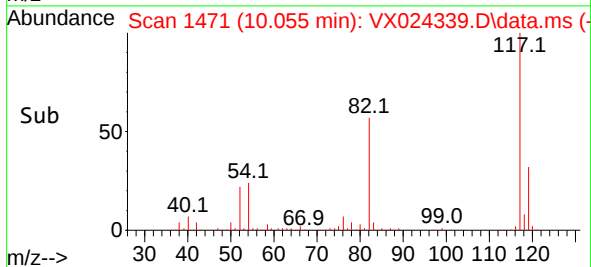
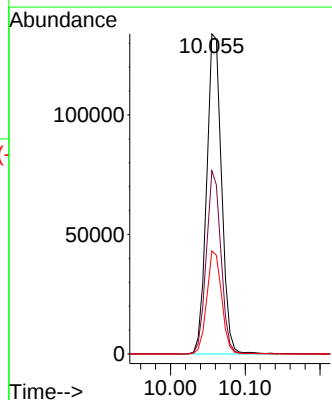
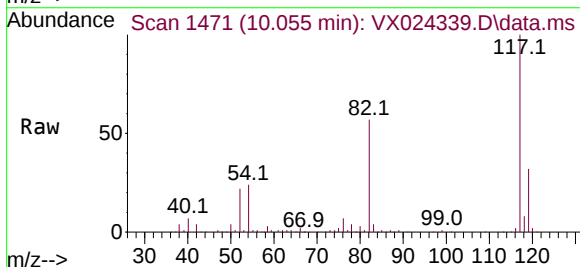
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915

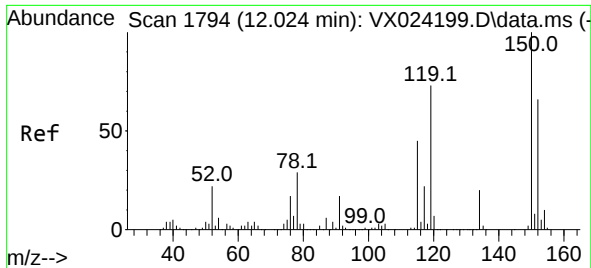
Tgt Ion: 95 Resp: 82429
Ion Ratio Lower Upper
95 100
174 83.2 0.0 154.6
176 79.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 117 Resp: 185328
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.2 26.6 39.8

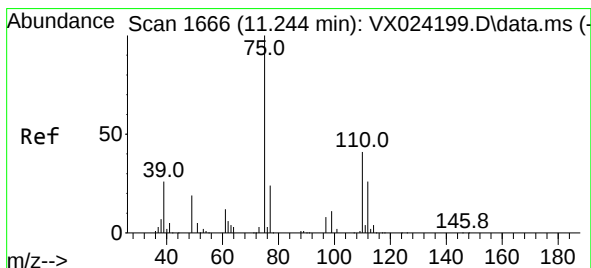
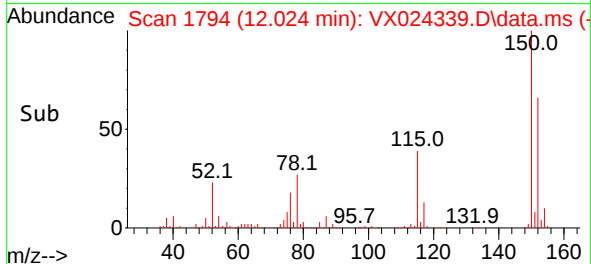
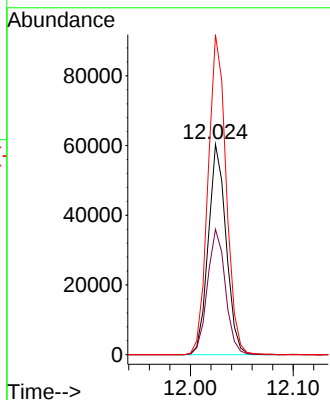
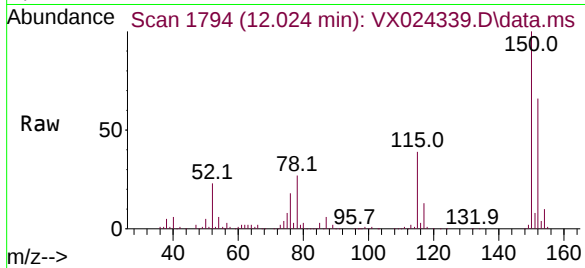




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

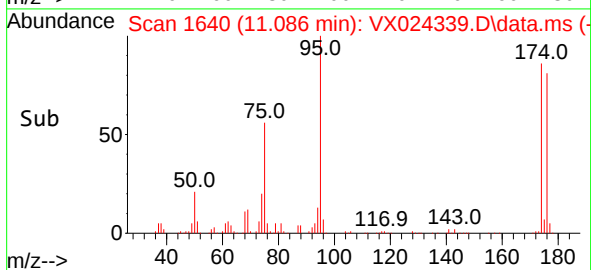
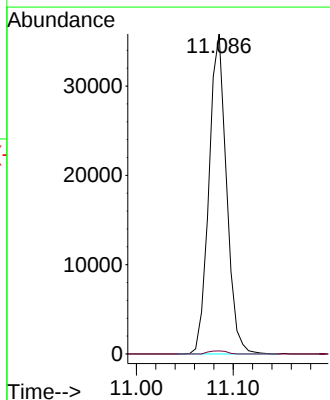
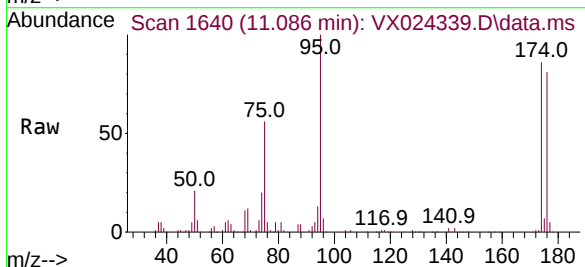
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20210915

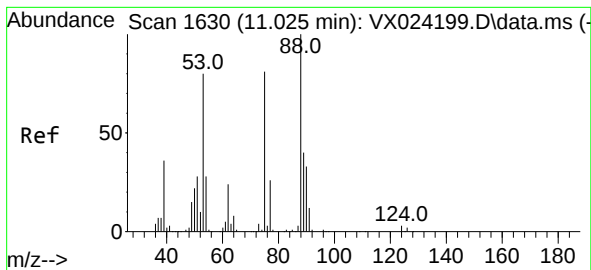
Tgt Ion:152 Resp: 72736
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 154.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.020 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024339.D
Acq: 18 Sep 2021 04:08

Tgt Ion: 75 Resp: 45191
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.466 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX024339.D
 Acq: 18 Sep 2021 04:08

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20210915

Tgt Ion: 75 Resp: 45191
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

