

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024490.D
 Acq On : 24 Sep 2021 08:09
 Operator : JC/MD
 Sample : M3829-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20210916

Quant Time: Sep 24 09:07:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

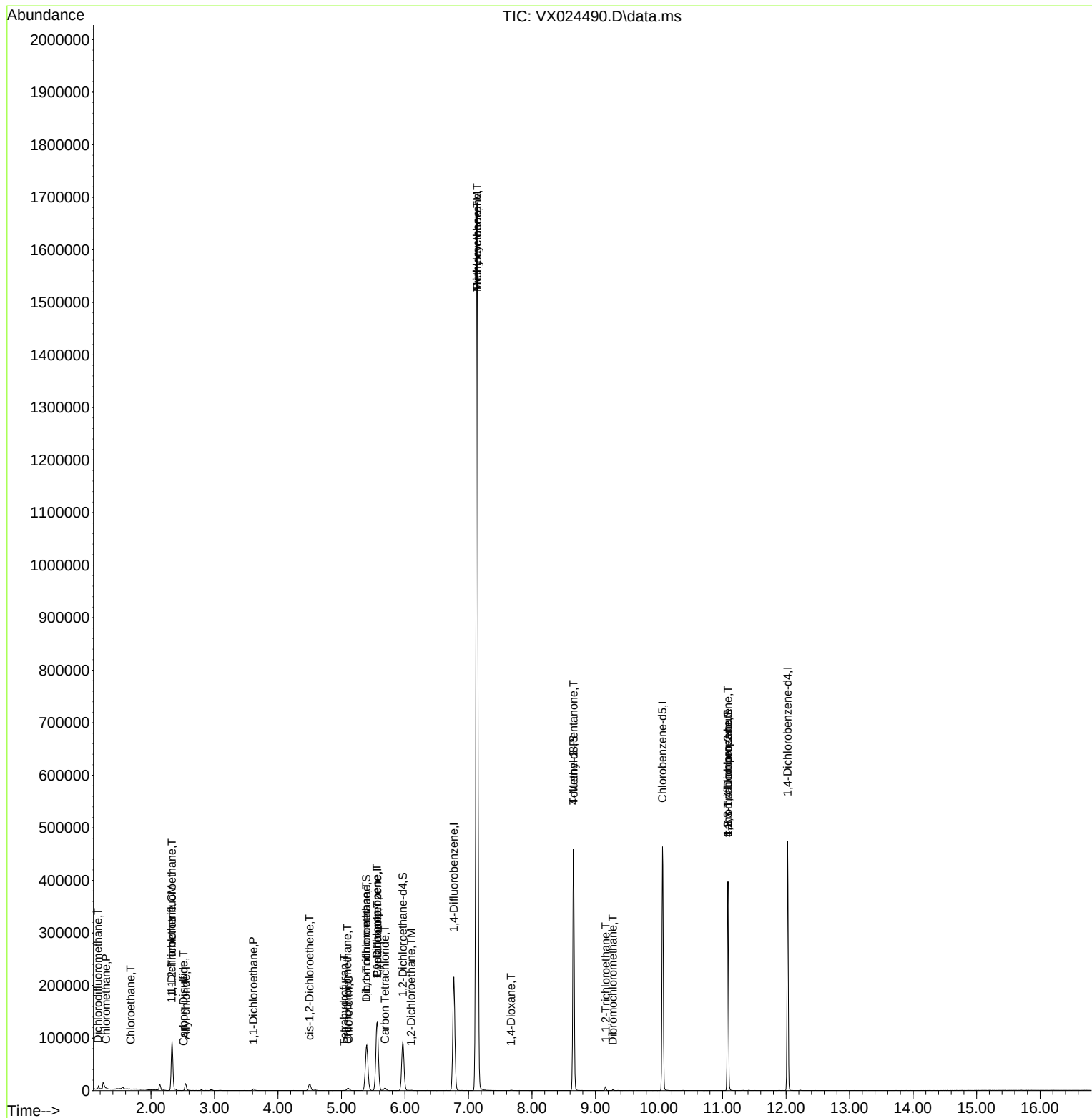
Internal Standards						
1) Pentafluorobenzene	5.562	168	120725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	209887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93272	54.818	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.640%			
35) Dibromofluoromethane	5.391	113	71570	51.329	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	8.653	98	260578	50.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.085	95	99870	49.495	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1827	1.504	ug/l	96
3) Chloromethane	1.294	50	638	0.557	ug/l	92
6) Chloroethane	1.678	64	760	1.206	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	31240	26.210	ug/l	95
11) Tert butyl alcohol	2.953	59	1175	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	4777	4.317	ug/l	98
14) Allyl chloride	2.544	41	1531	0.757	ug/l #	59
16) Acetone	2.386	43	2236	Below Cal	#	86
17) Carbon Disulfide	2.514	76	223	0.306	ug/l #	75
20) Methylene Chloride	2.794	84	621	Below Cal	#	75
24) 1,1-Dichloroethane	3.611	63	3220	1.403	ug/l #	85
27) cis-1,2-Dichloroethene	4.495	96	8017	5.458	ug/l	92
28) Bromochloromethane	5.092	49	390	0.374	ug/l #	9
29) Tetrahydrofuran	5.044	42	267	0.358	ug/l #	27
30) Chloroform	5.111	83	5295	2.089	ug/l #	83
31) Cyclohexane	5.562	56	2709	1.330	ug/l #	25
32) 1,1,1-Trichloroethane	5.391	97	1013	0.450	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	9797	4.869	ug/l #	48
38) Carbon Tetrachloride	5.684	117	4229	1.931	ug/l	97
39) Methylcyclohexane	7.135	83	7612	3.231	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	731	0.303	ug/l #	73
44) Trichloroethene	7.135	130	638899	403.596	ug/l	99
49) 1,4-Dioxane	7.671	88	488	11.266	ug/l	87
51) 4-Methyl-2-Pentanone	8.653	43	1151	0.457	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1824	1.187	ug/l #	85
60) Dibromochloromethane	9.275	129	302	1.356	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55145	26.374	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55145	71.815	ug/l #	12

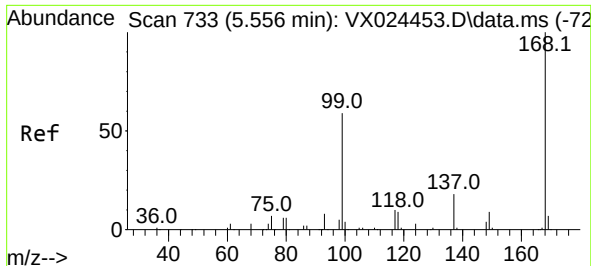
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 23 18:24:34 2021
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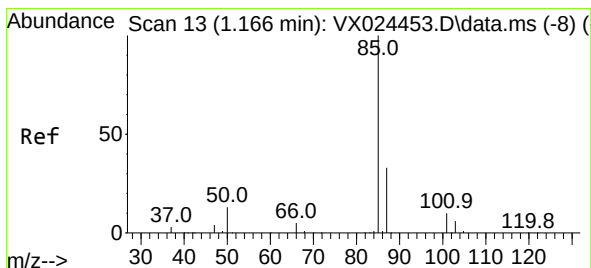
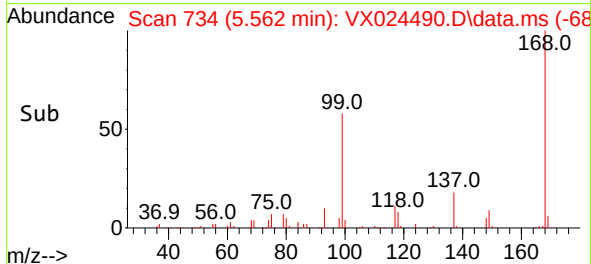
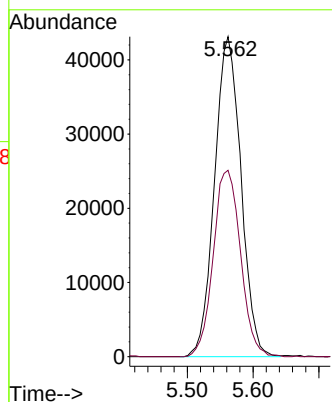
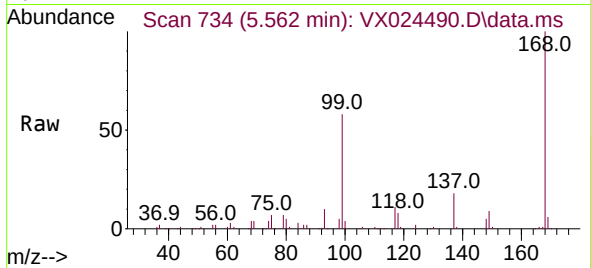




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

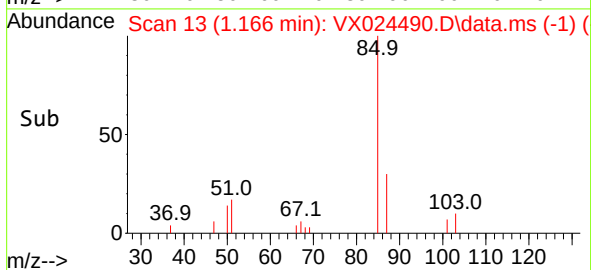
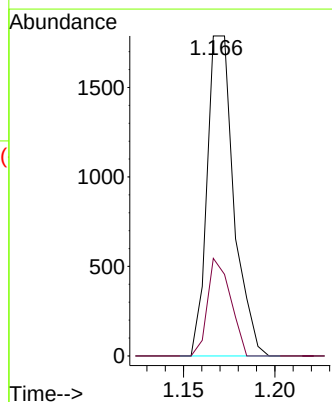
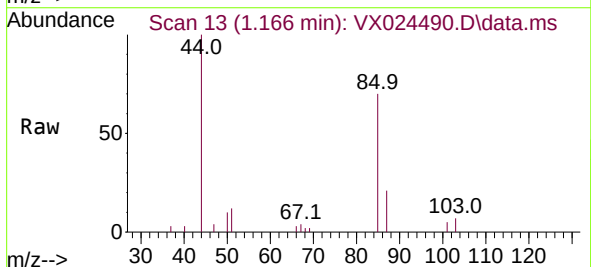
Instrument :
MSVOA_X
ClientSampleId :
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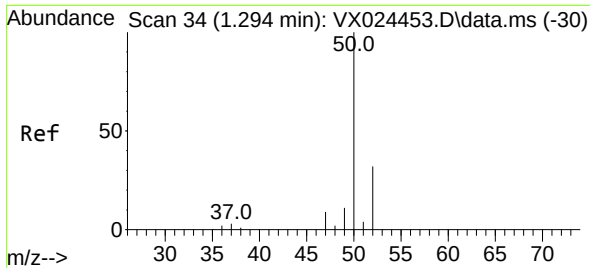
Tgt Ion:168 Resp: 120725
Ion Ratio Lower Upper
168 100
99 58.2 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.504 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 85 Resp: 1827
Ion Ratio Lower Upper
85 100
87 30.5 16.4 49.2

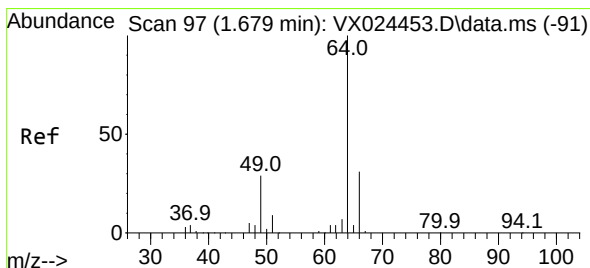
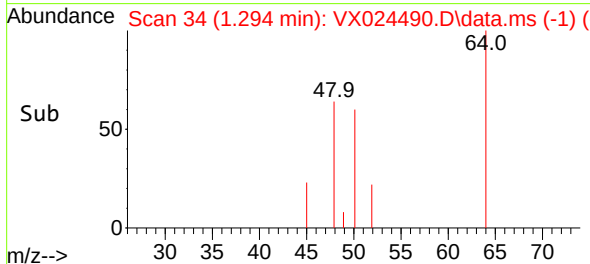
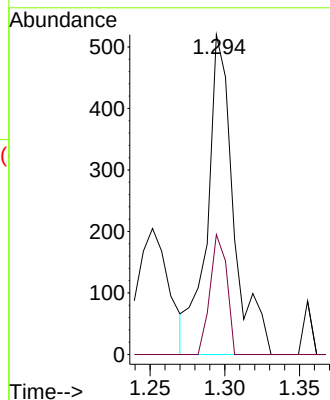
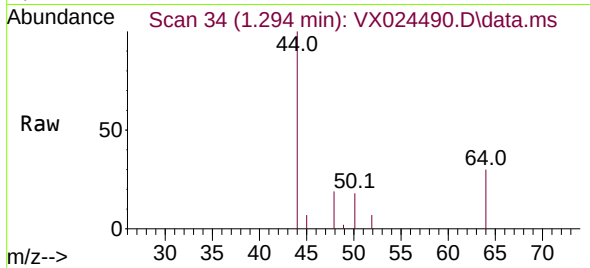




#3
Chloromethane
Concen: 0.557 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

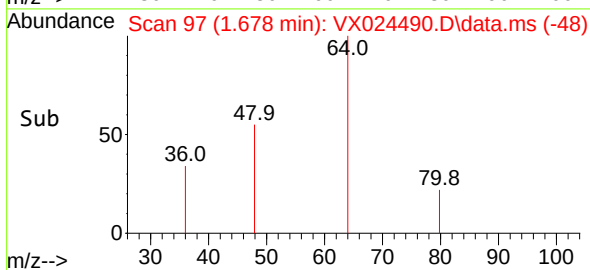
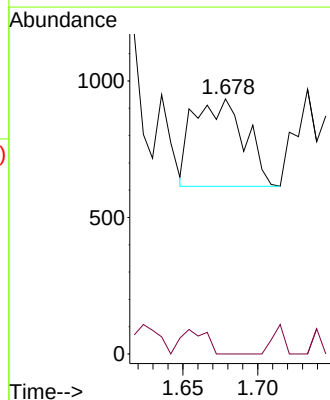
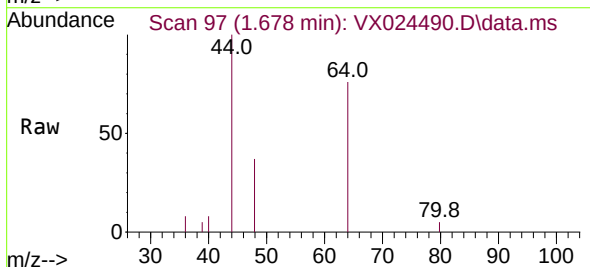
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

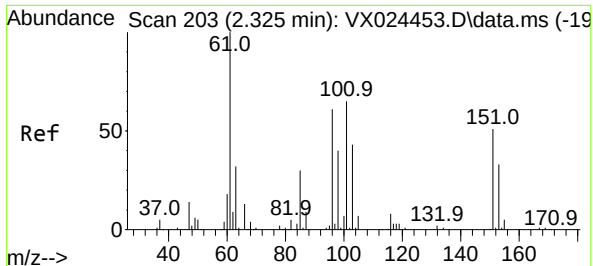
Tgt Ion: 50 Resp: 638
Ion Ratio Lower Upper
50 100
52 37.5 26.4 39.6



#6
Chloroethane
Concen: 1.206 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 64 Resp: 760
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

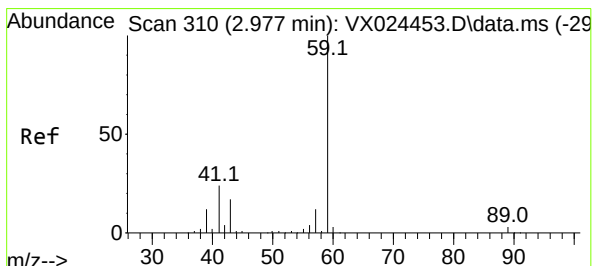
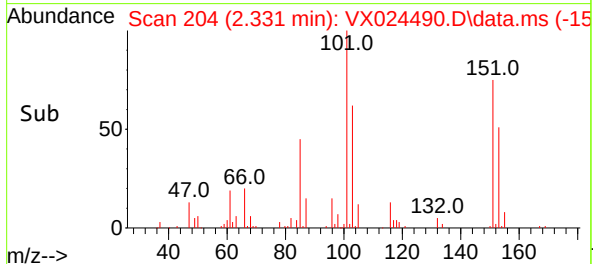
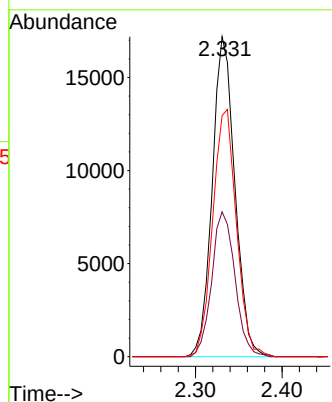
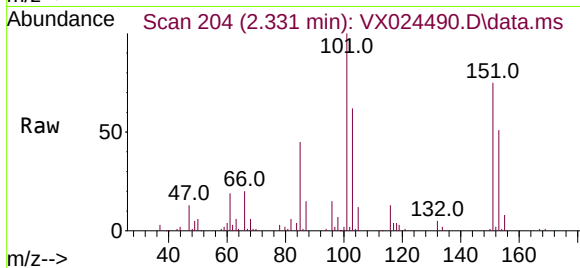




#9
1,1,2-Trichlorotrifluoroethane
Concen: 26.210 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

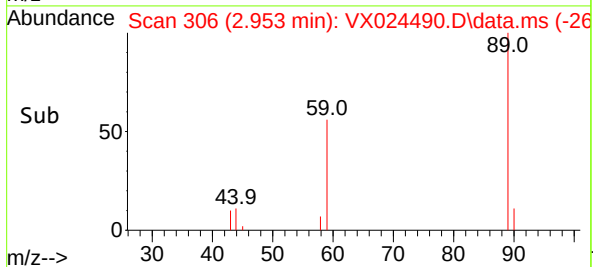
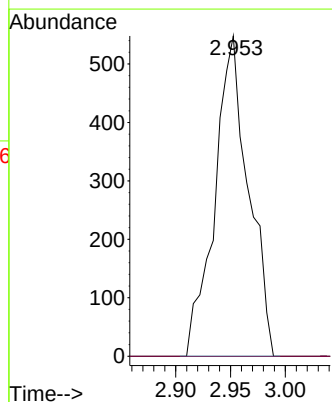
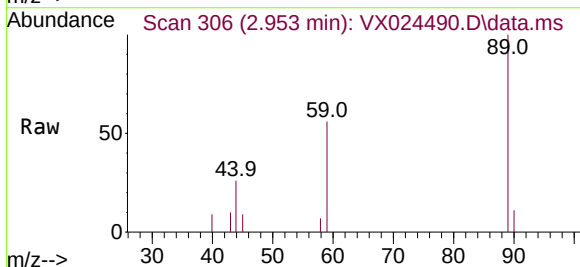
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

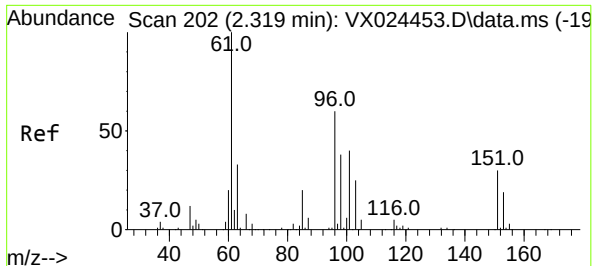
Tgt Ion:101 Resp: 31240
Ion Ratio Lower Upper
101 100
85 46.4 34.9 52.3
151 81.0 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 59 Resp: 1175
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 4.317 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

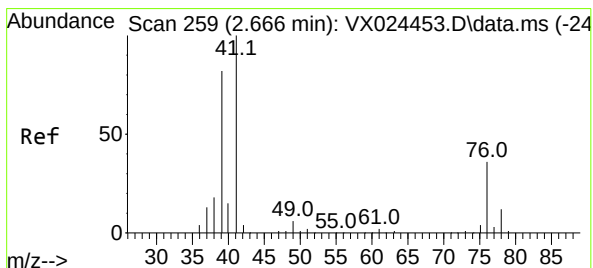
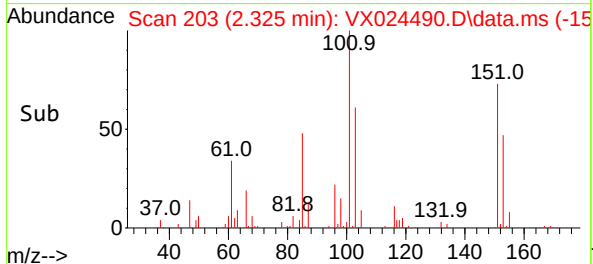
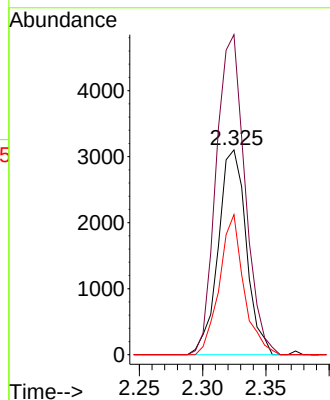
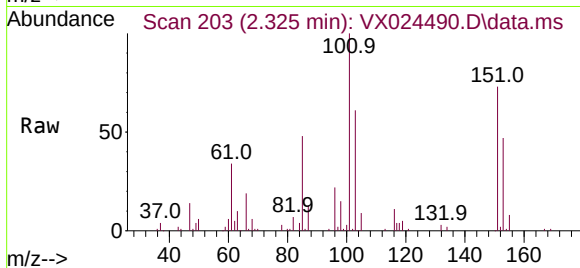
Tgt Ion: 96 Resp: 4777

Ion Ratio Lower Upper

96 100

61 156.2 124.6 187.0

98 68.3 50.6 76.0



#14

Allyl chloride

Concen: 0.757 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.122 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

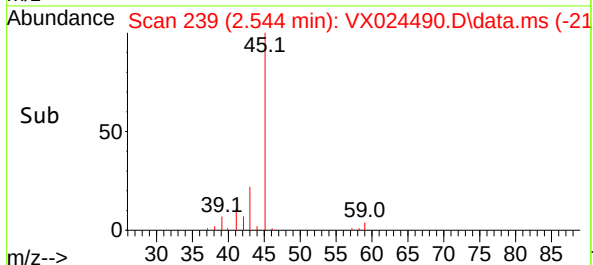
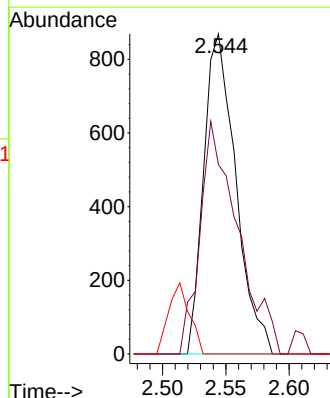
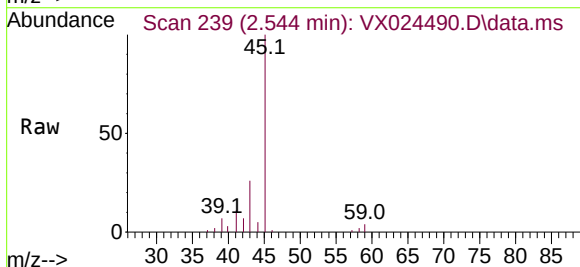
Tgt Ion: 41 Resp: 1531

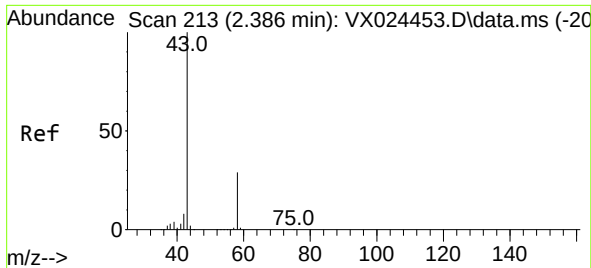
Ion Ratio Lower Upper

41 100

39 85.9 51.6 77.4#

76 0.0 30.5 45.7#

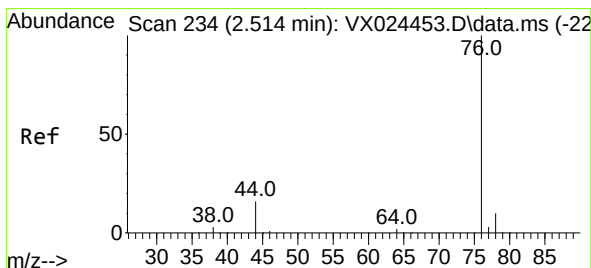
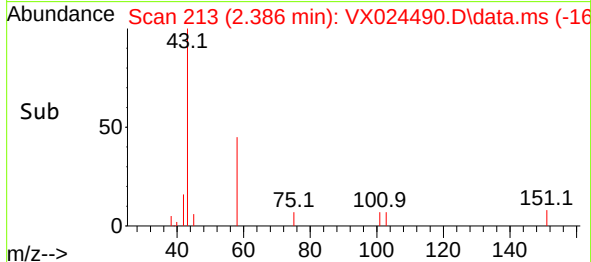
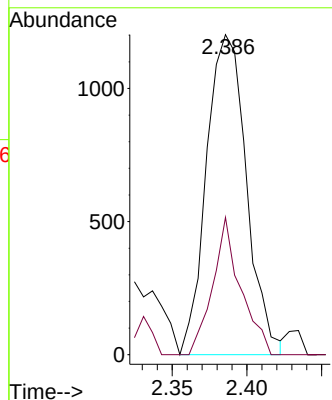
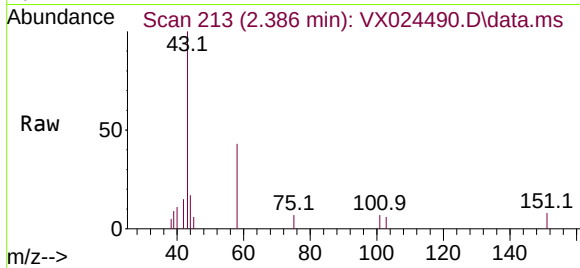




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

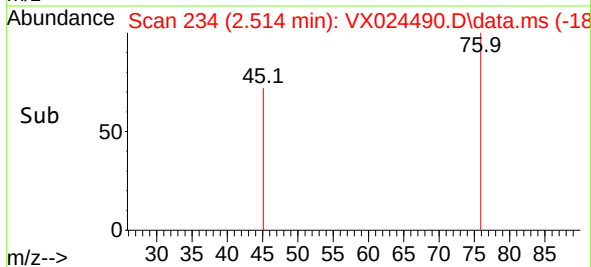
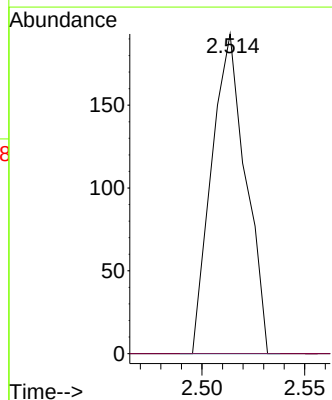
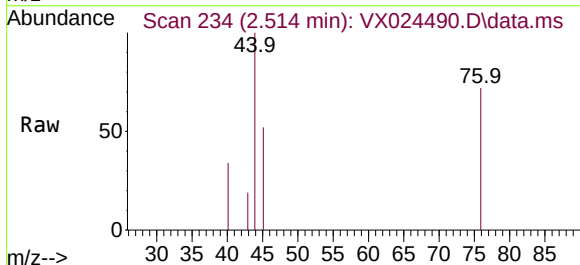
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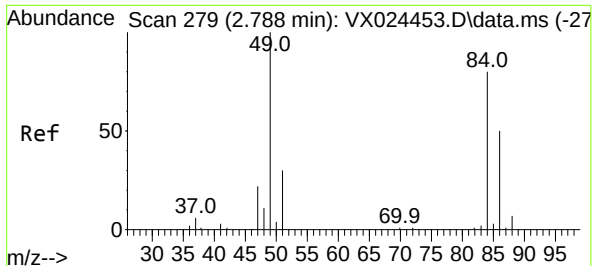
Tgt Ion: 43 Resp: 2236
Ion Ratio Lower Upper
43 100
58 42.9 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.306 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 76 Resp: 223
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

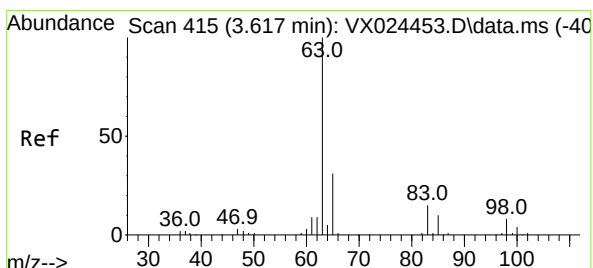
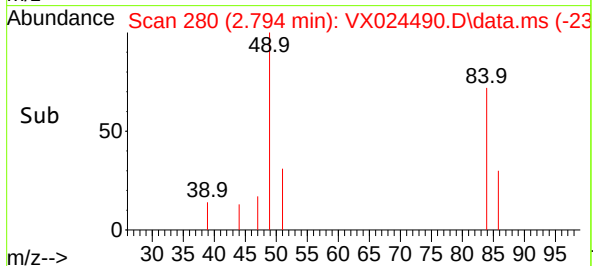
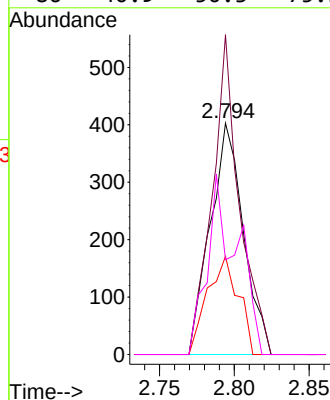
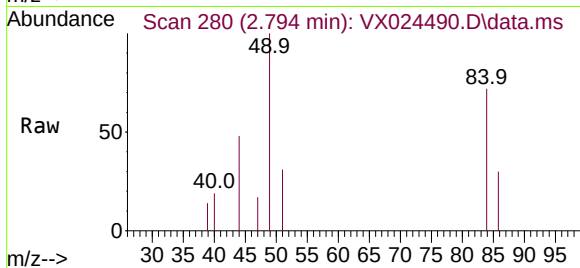
Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210916

Tgt Ion:	84	Resp:	621
Ion	Ratio	Lower	Upper
84	100		
49	138.2	88.6	132.8#
51	42.4	27.0	40.6#
86	40.9	50.3	75.5#



#24

1,1-Dichloroethane

Concen: 1.403 ug/l

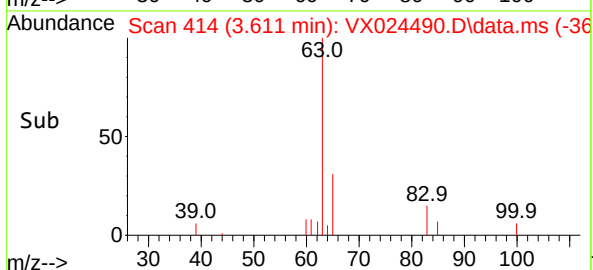
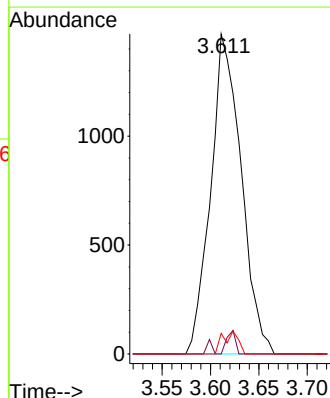
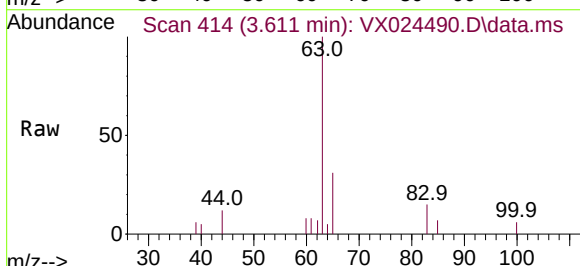
RT: 3.611 min Scan# 414

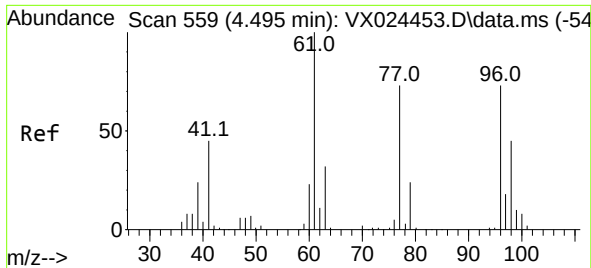
Delta R.T. -0.006 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

Tgt Ion:	63	Resp:	3220
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	6.4	2.5	7.5





#27

cis-1,2-Dichloroethene

Concen: 5.458 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

Tgt Ion: 96 Resp: 8017

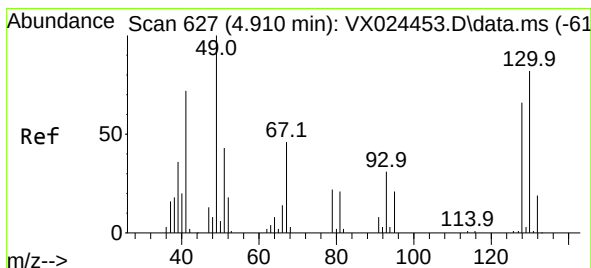
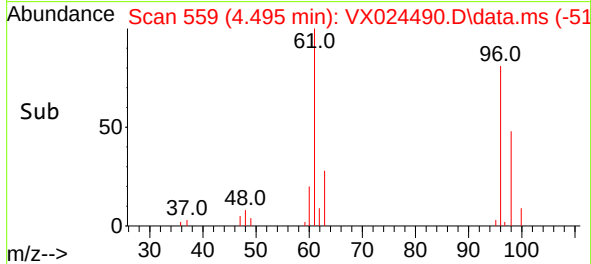
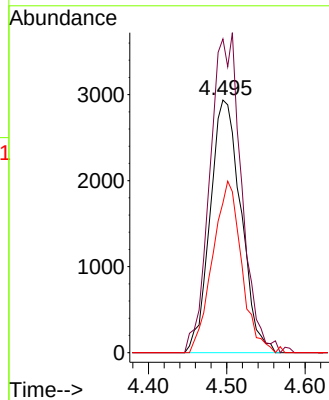
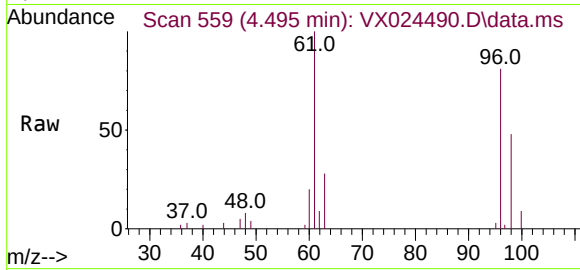
Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	285.6
98	63.6	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210916



#28

Bromochloromethane

Concen: 0.374 ug/l

RT: 5.092 min Scan# 657

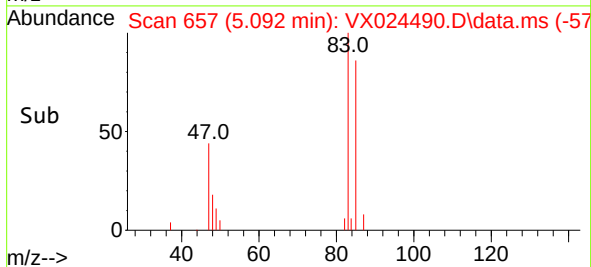
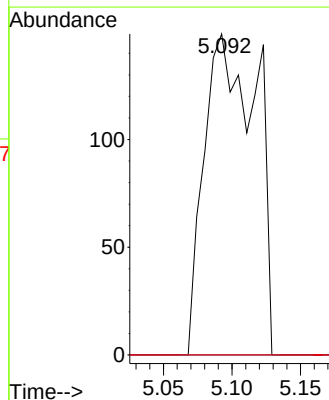
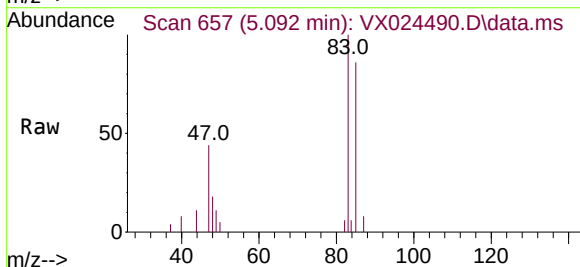
Delta R.T. 0.182 min

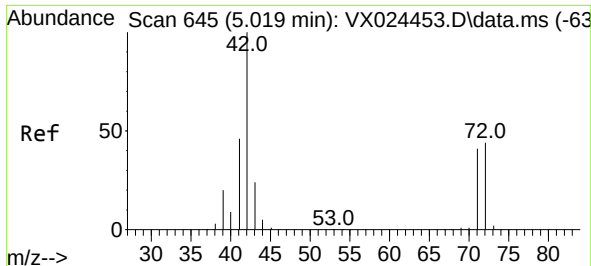
Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

Tgt Ion: 49 Resp: 390

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#29

Tetrahydrofuran

Concen: 0.358 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.025 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

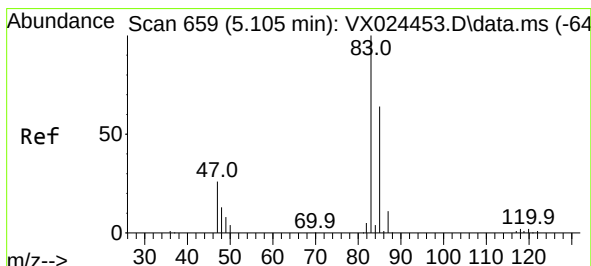
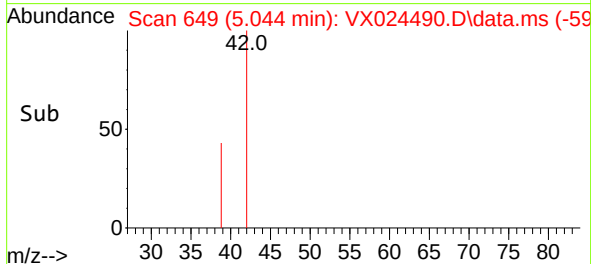
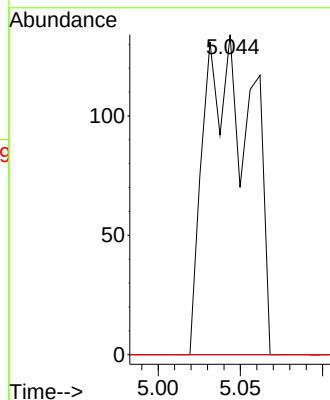
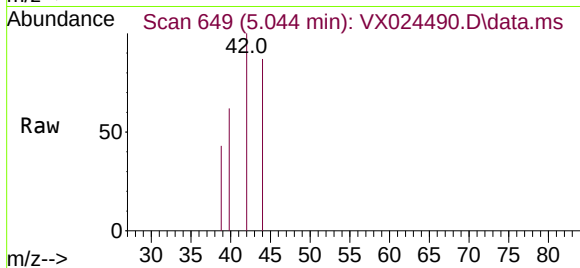
Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20210916

Tgt Ion:	42	Resp:	267
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



#30

Chloroform

Concen: 2.089 ug/l

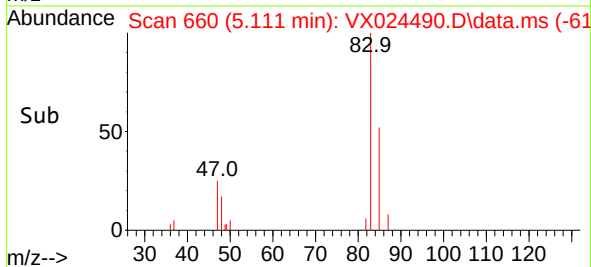
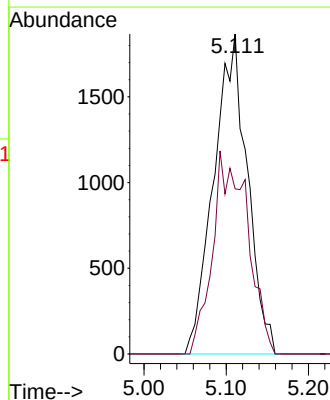
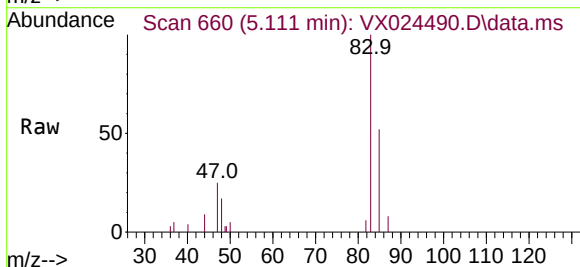
RT: 5.111 min Scan# 660

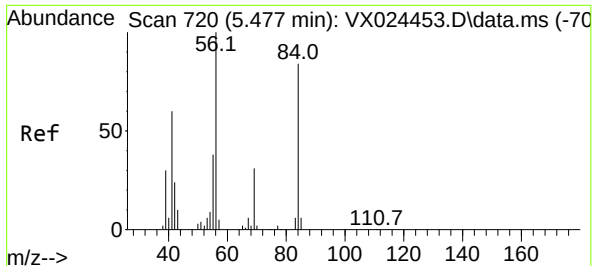
Delta R.T. 0.006 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

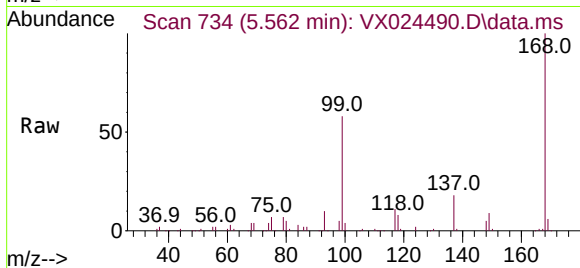
Tgt Ion:	83	Resp:	5295
Ion	Ratio	Lower	Upper
83	100		
85	51.6	52.0	78.0#



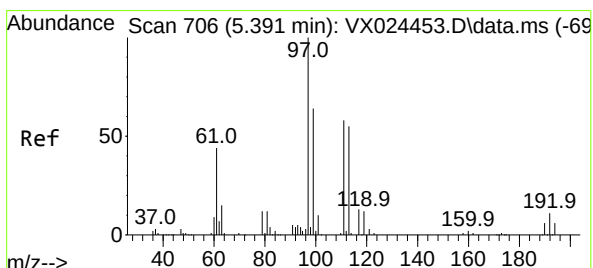
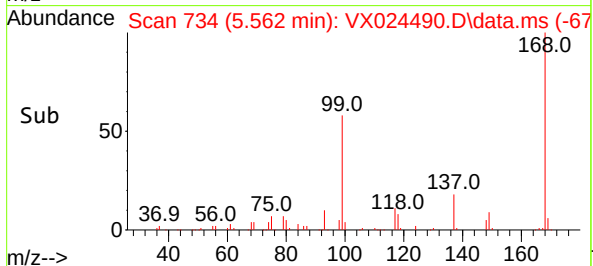
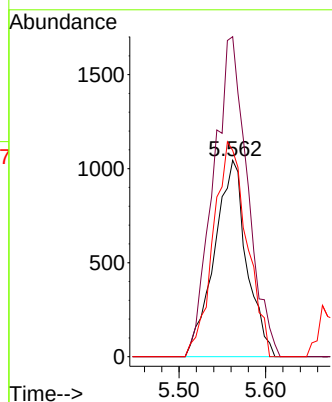


#31
Cyclohexane
Concen: 1.330 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

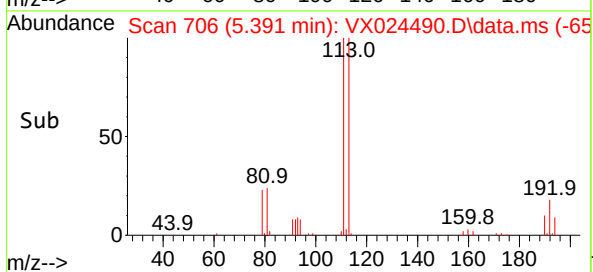
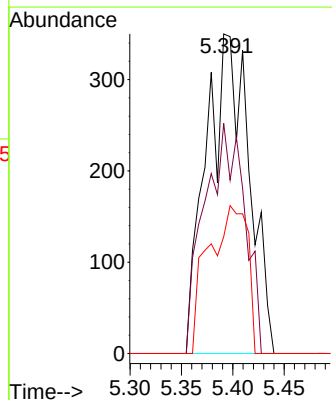
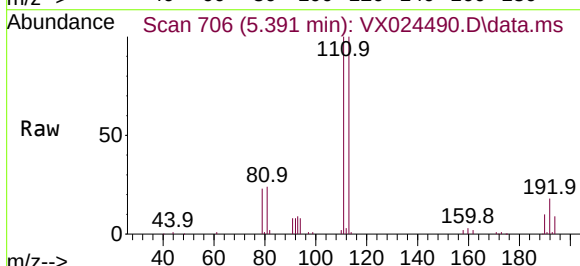


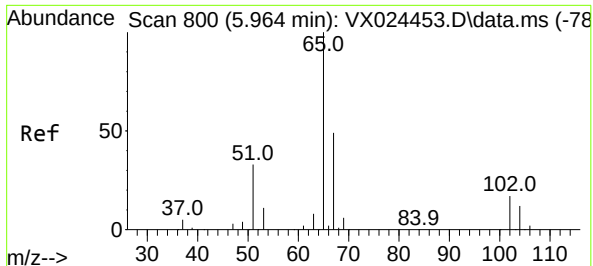
Tgt Ion: 56 Resp: 2709
Ion Ratio Lower Upper
56 100
69 163.0 25.3 37.9#
84 105.1 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.450 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 97 Resp: 1013
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 42.3 34.2 51.4



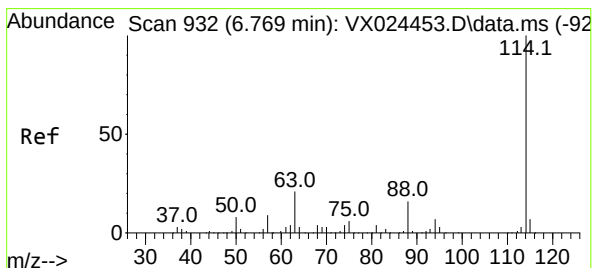
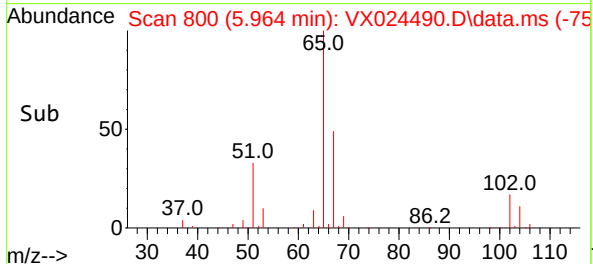
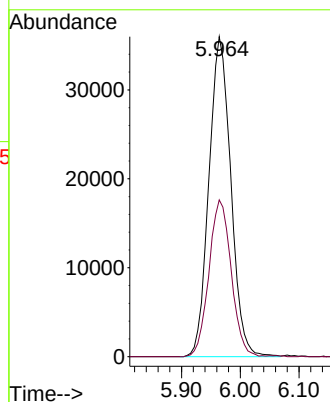
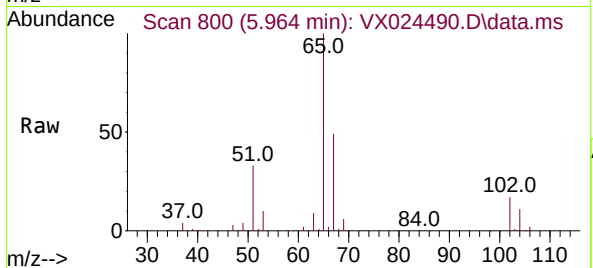


#33

1,2-Dichloroethane-d4
Concen: 54.818 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

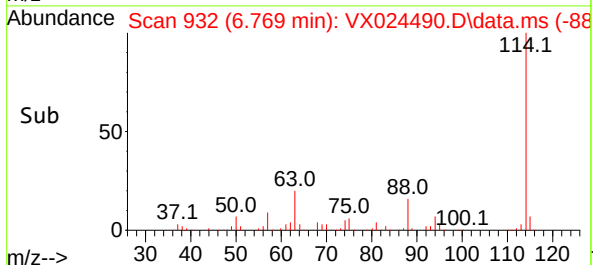
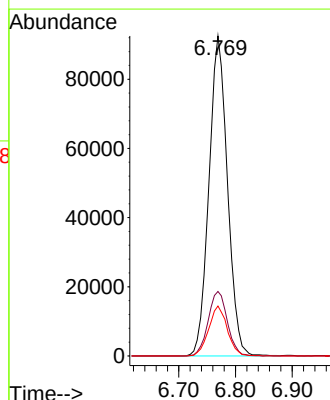
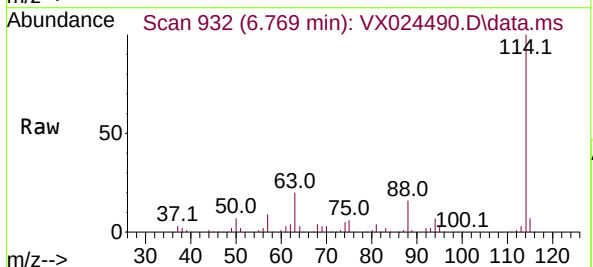
Tgt Ion: 65 Resp: 93272
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

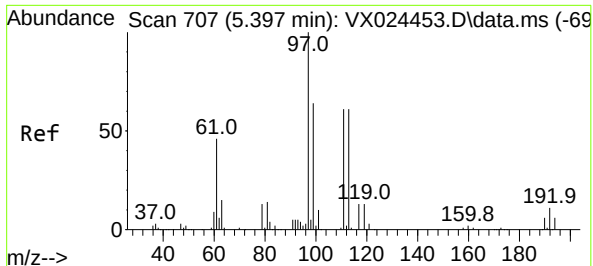


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 114 Resp: 209887
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.329 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

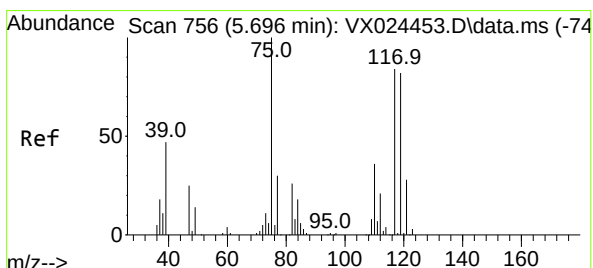
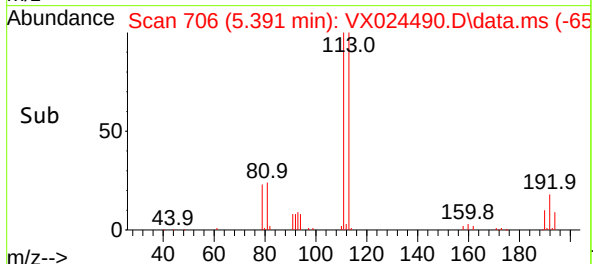
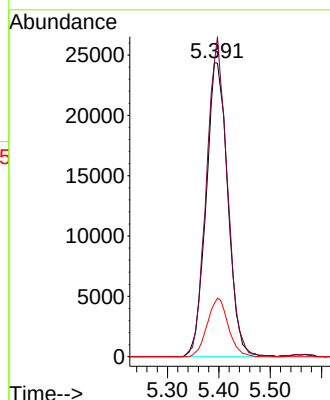
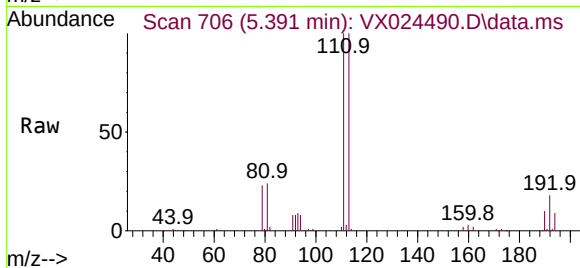
Tgt Ion:113 Resp: 71570

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

192 19.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.869 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

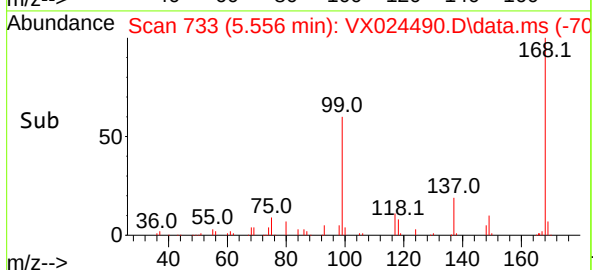
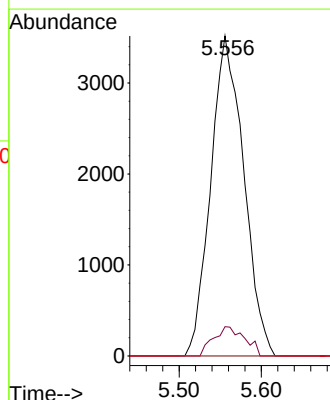
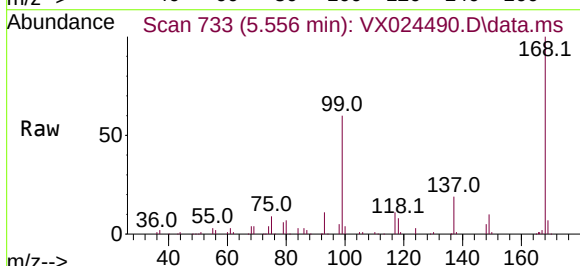
Tgt Ion: 75 Resp: 9797

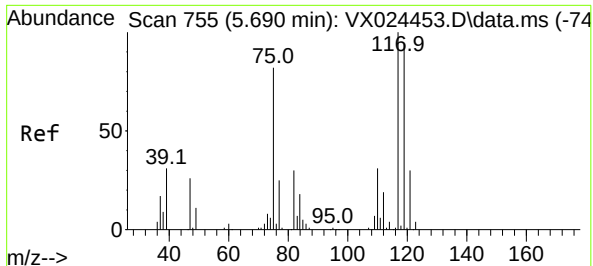
Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

77 0.0 25.3 37.9#

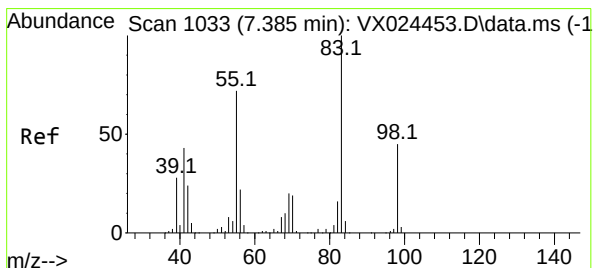
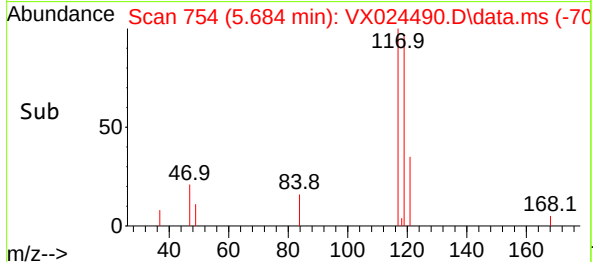
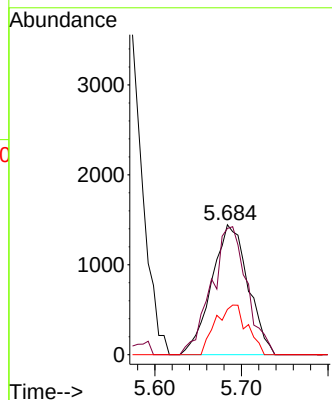
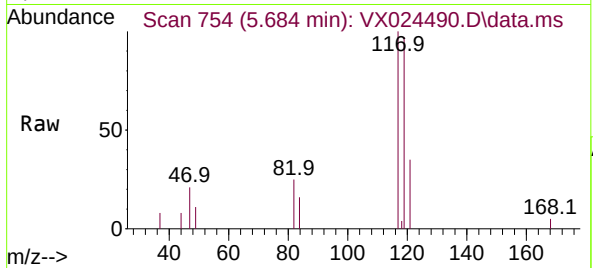




#38
Carbon Tetrachloride
Concen: 1.931 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

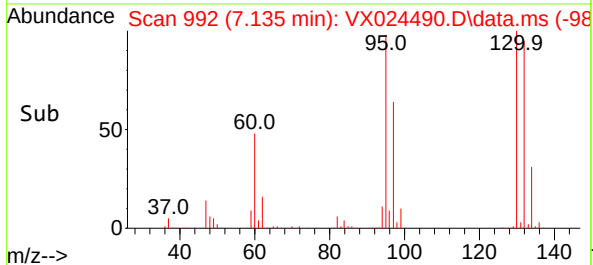
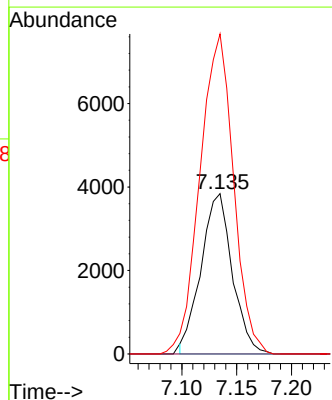
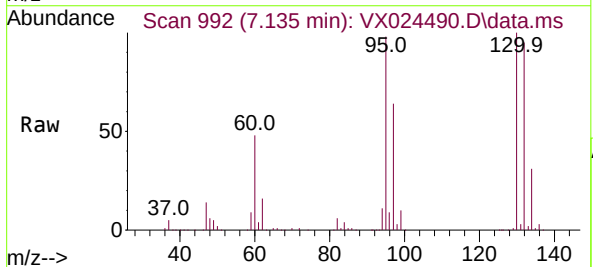
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

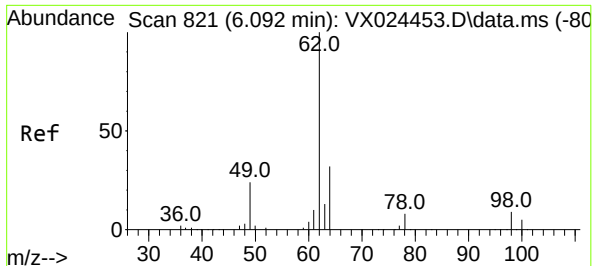
Tgt Ion:117 Resp: 4229
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.2
121 34.8 24.8 37.2



#39
Methylcyclohexane
Concen: 3.231 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 83 Resp: 7612
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 196.8 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.303 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX024490.D

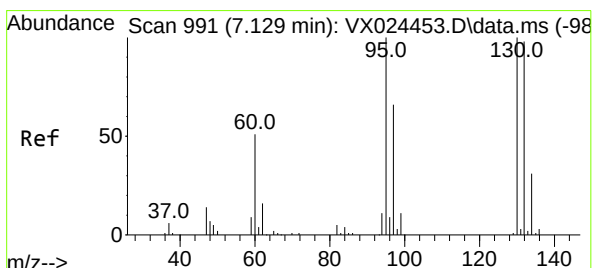
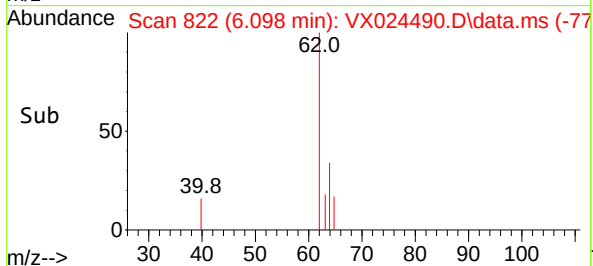
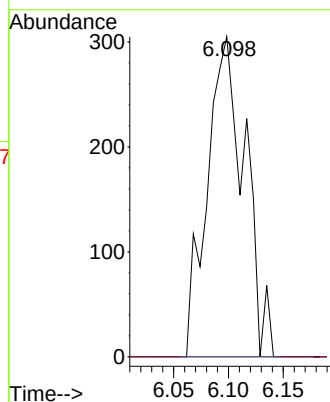
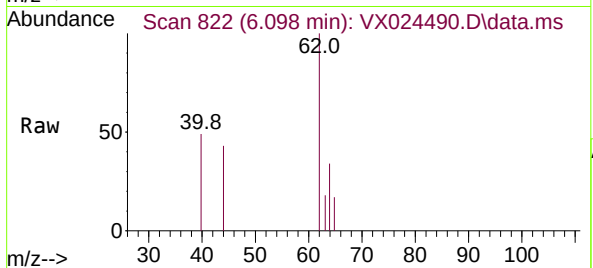
Acq: 24 Sep 2021 08:09

Tgt Ion: 62 Resp: 731

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 403.596 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX024490.D

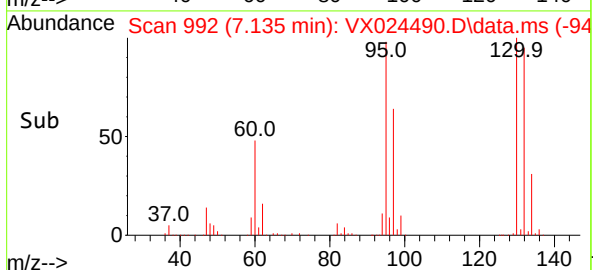
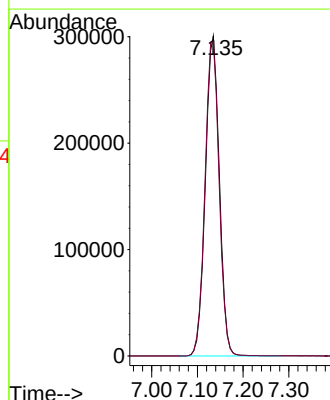
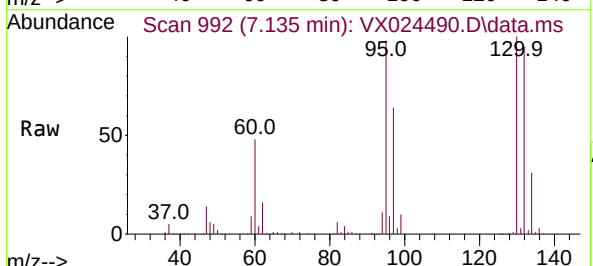
Acq: 24 Sep 2021 08:09

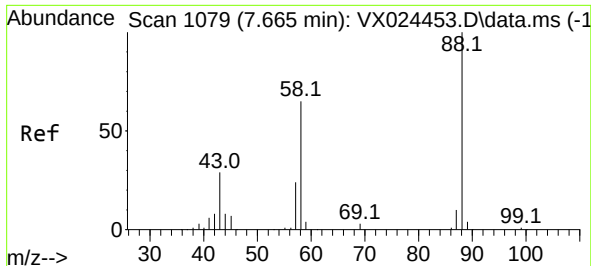
Tgt Ion:130 Resp: 638899

Ion Ratio Lower Upper

130 100

95 98.1 0.0 198.0





#49

1,4-Dioxane

Concen: 11.266 ug/l

RT: 7.671 min Scan# 1080

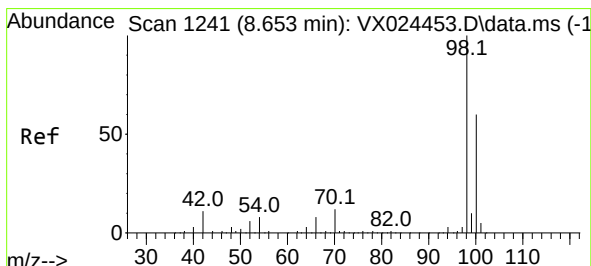
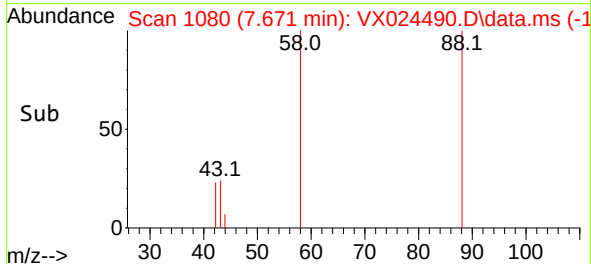
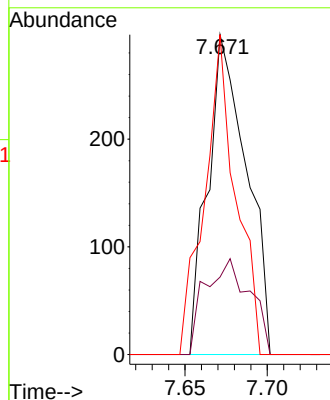
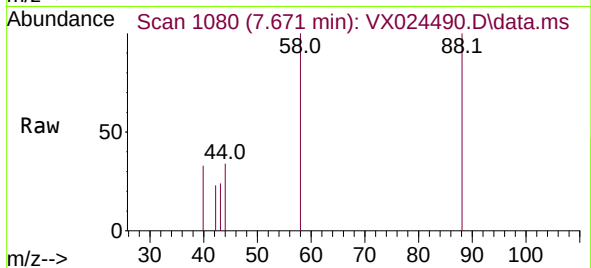
Delta R.T. 0.006 min

Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

Tgt Ion: 88 Resp: 488

Ion	Ratio	Lower	Upper
88	100		
43	34.4	23.2	34.8
58	80.7	55.0	82.4



#50

Toluene-d8

Concen: 50.776 ug/l

RT: 8.653 min Scan# 1241

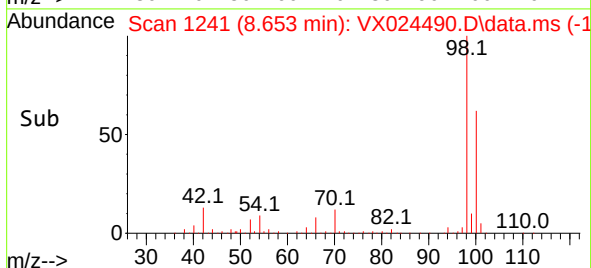
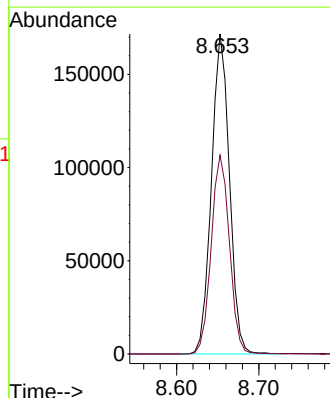
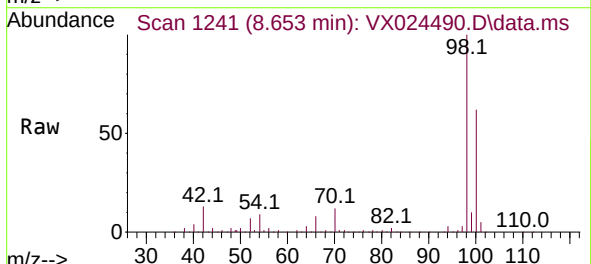
Delta R.T. -0.000 min

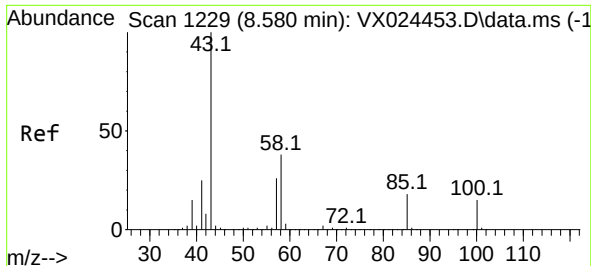
Lab File: VX024490.D

Acq: 24 Sep 2021 08:09

Tgt Ion: 98 Resp: 260578

Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.9	77.9

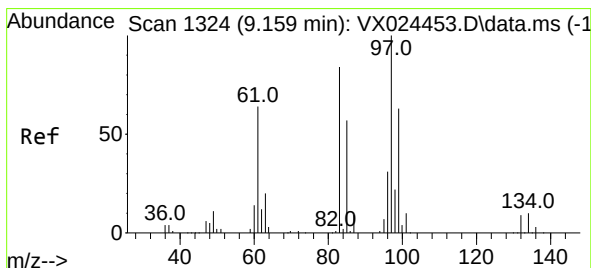
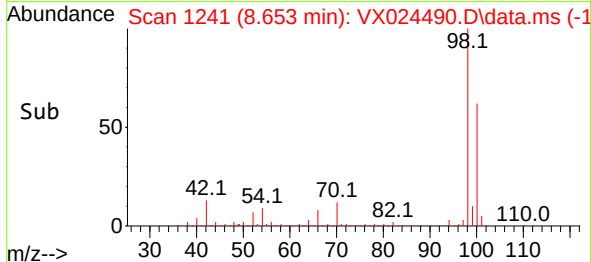
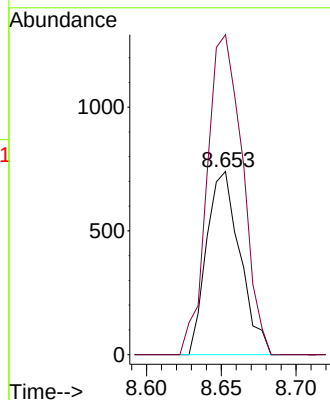
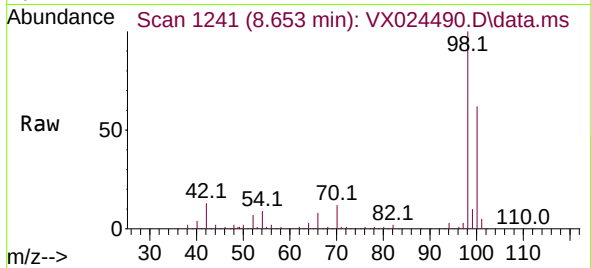




#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

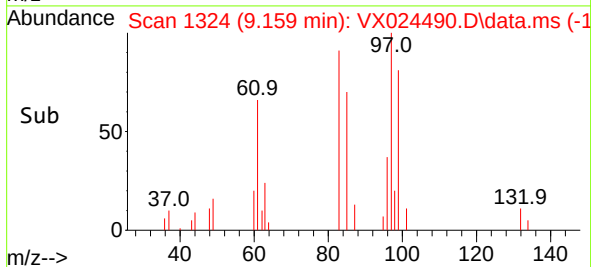
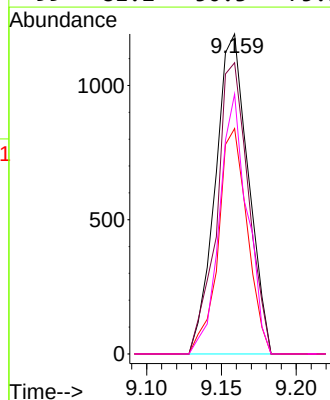
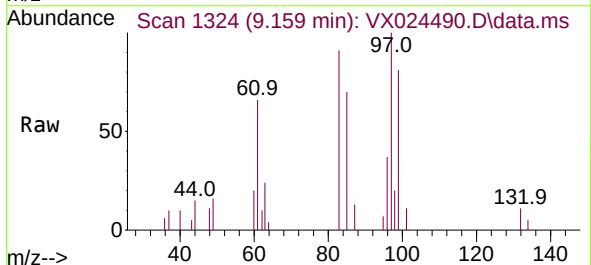
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

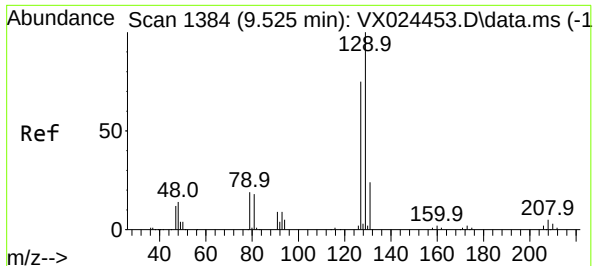
Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
58 184.6 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 1.187 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 97 Resp: 1824
Ion Ratio Lower Upper
97 100
83 91.0 69.3 103.9
85 70.5 44.3 66.5#
99 81.2 50.3 75.5#

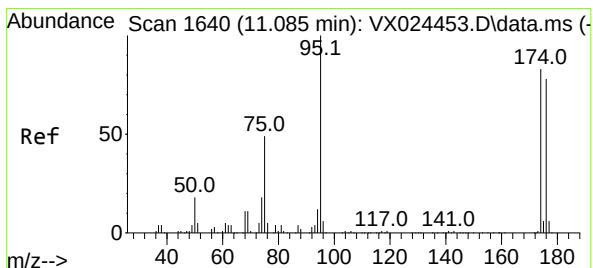
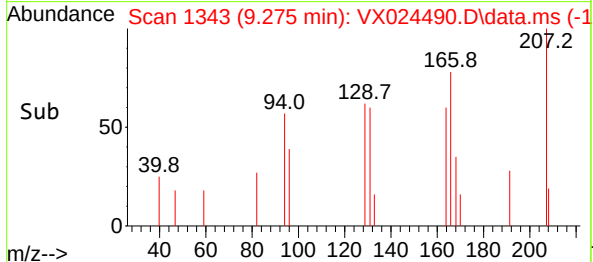
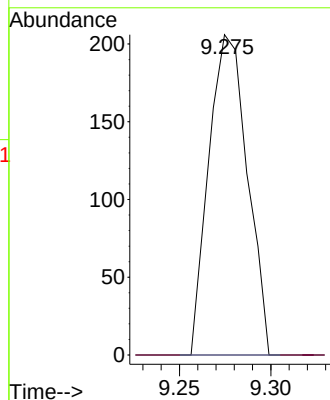
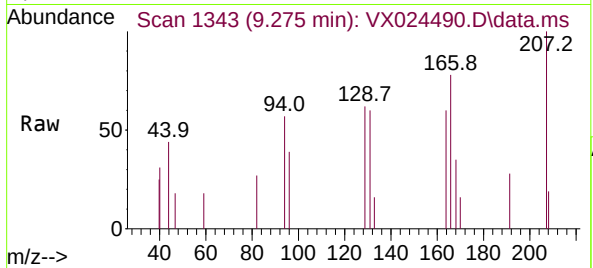




#60
Dibromochloromethane
Concen: 1.356 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

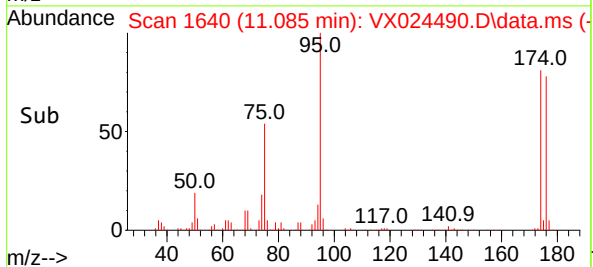
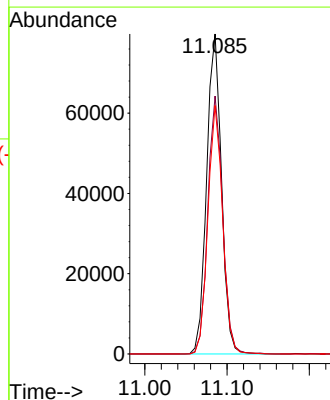
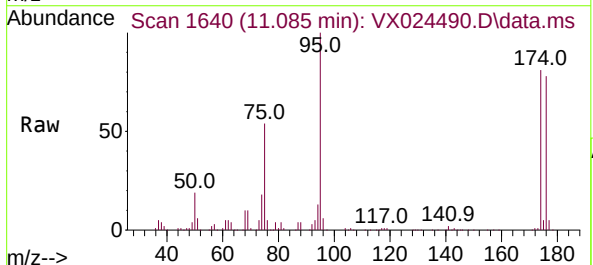
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

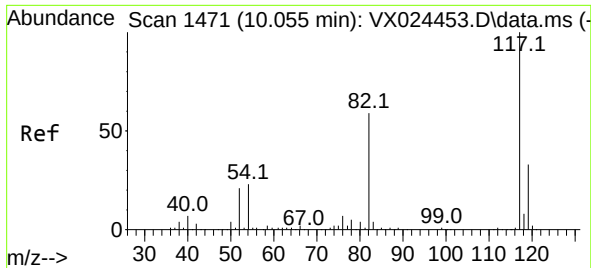
Tgt Ion:129 Resp: 302
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.495 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 95 Resp: 99870
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 77.2 0.0 155.8

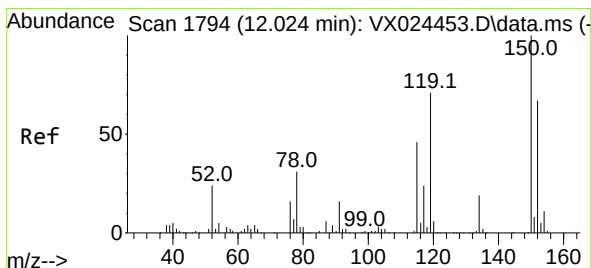
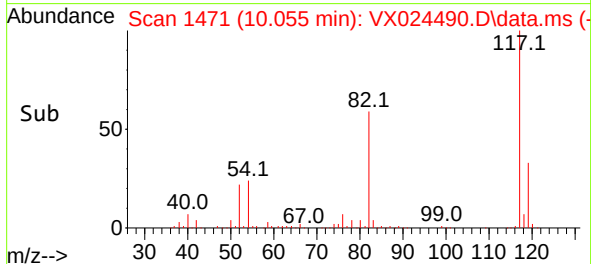
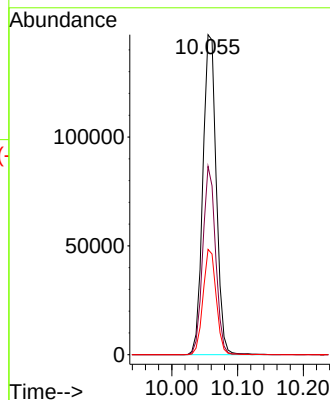
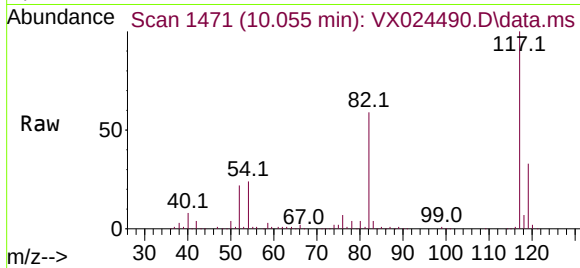




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

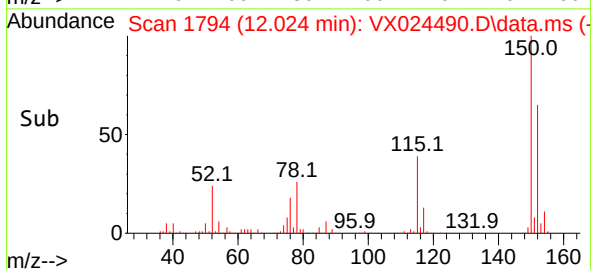
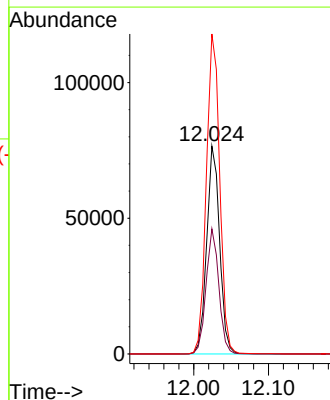
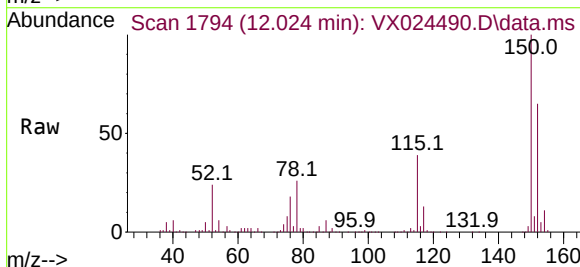
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

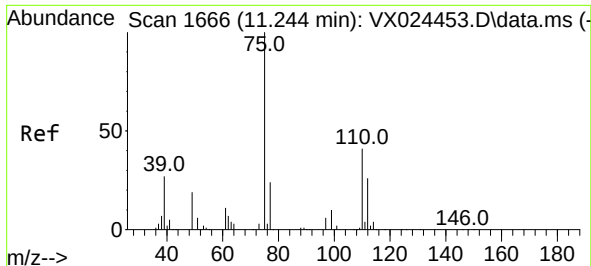
Tgt Ion:117 Resp: 208433
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion:152 Resp: 92071
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 158.6 0.0 349.0

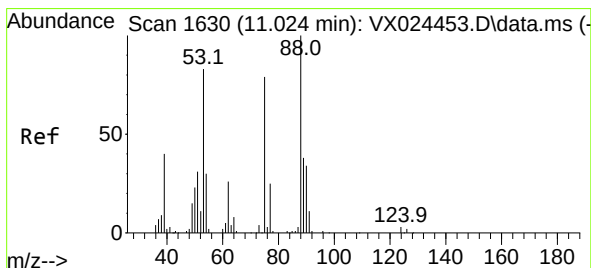
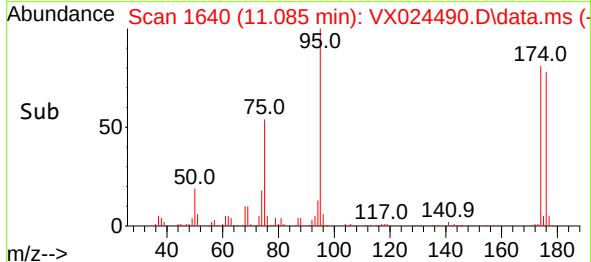
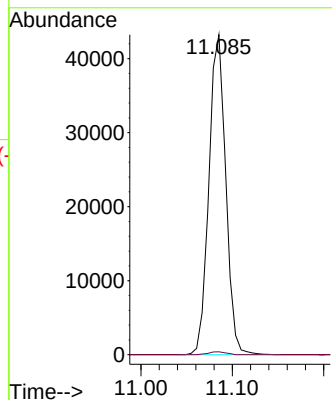
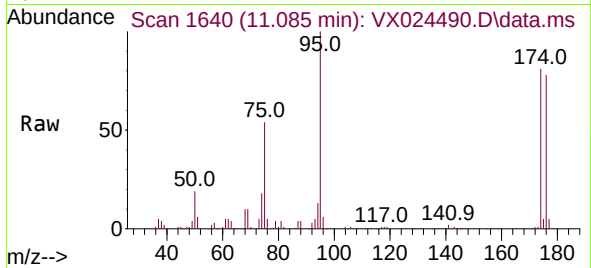




#76
1,2,3-Trichloropropane
Concen: 26.374 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20210916

Tgt Ion: 75 Resp: 55145
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.815 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024490.D
Acq: 24 Sep 2021 08:09

Tgt Ion: 75 Resp: 55145
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

