

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024468.D
 Acq On : 23 Sep 2021 22:46
 Operator : JC/MD
 Sample : M3833-08DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20210920DL

Quant Time: Sep 24 07:40:35 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)

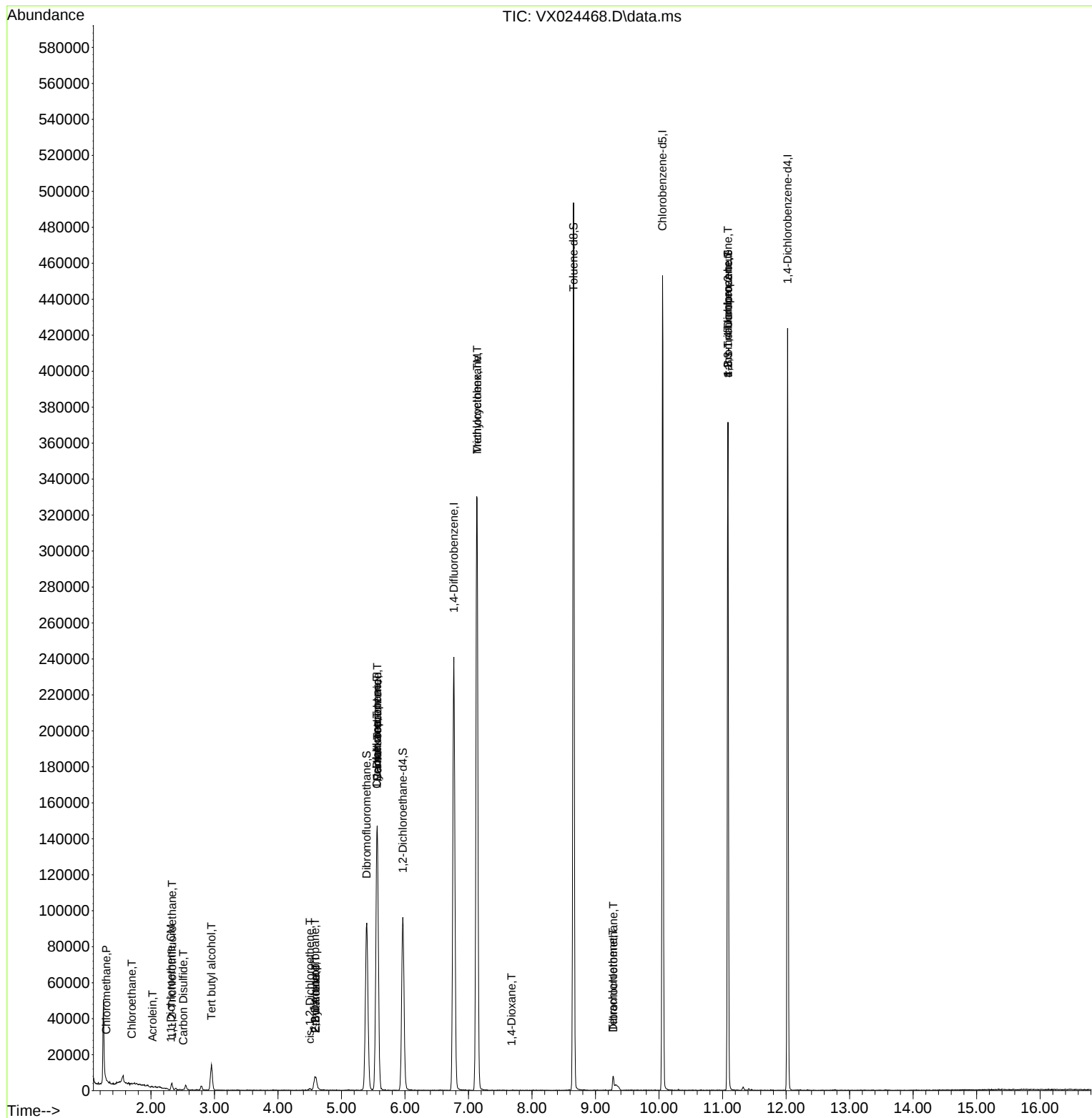
Internal Standards						
1) Pentafluorobenzene	5.562	168	137434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	240438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97213	50.188	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.380%	
35) Dibromofluoromethane	5.397	113	80941	50.674	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.340%	
50) Toluene-d8	8.653	98	279413	47.528	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.060%	
62) 4-Bromofluorobenzene	11.085	95	91055	39.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 78.780%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	293	0.225	ug/l #	42
6) Chloroethane	1.697	64	228	0.508	ug/l #	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	1206	0.889	ug/l	92
11) Tert butyl alcohol	2.953	59	8254	6.266	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	401	0.318	ug/l #	91
13) Acrolein	2.026	56	22	10.259	ug/l #	14
16) Acetone	2.392	43	1164	Below Cal	#	88
17) Carbon Disulfide	2.508	76	444	0.364	ug/l #	75
20) Methylene Chloride	2.788	84	1172	Below Cal	#	79
25) 2-Butanone	4.593	43	609	0.457	ug/l #	45
26) 2,2-Dichloropropane	4.587	77	527	0.224	ug/l #	52
27) cis-1,2-Dichloroethene	4.501	96	605	0.362	ug/l	77
31) Cyclohexane	5.556	56	2718	1.172	ug/l #	25
36) 1,1-Dichloropropene	5.556	75	10857	4.710	ug/l #	50
37) Ethyl Acetate	4.593	43	609	0.212	ug/l #	41
38) Carbon Tetrachloride	5.562	117	14143	5.637	ug/l #	16
39) Methylcyclohexane	7.135	83	1584	0.587	ug/l #	1
44) Trichloroethene	7.135	130	128699	70.969	ug/l	100
49) 1,4-Dioxane	7.677	88	23	0.464	ug/l #	24
60) Dibromochloromethane	9.281	129	1394	1.869	ug/l #	11
64) Tetrachloroethene	9.275	164	1384	1.013	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	50220	26.173	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	50220	71.281	ug/l #	12

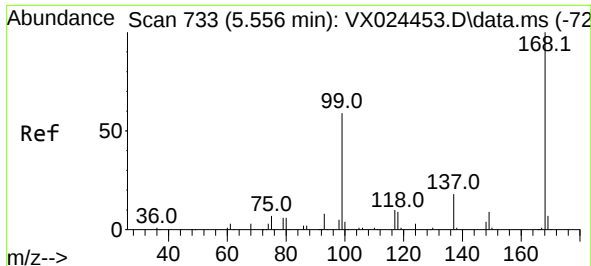
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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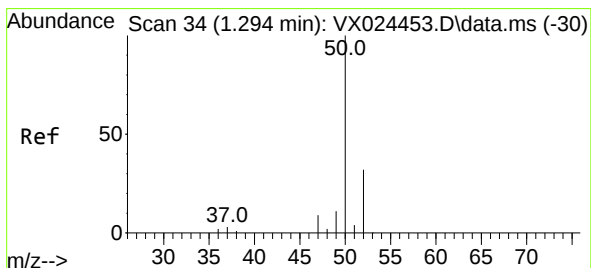
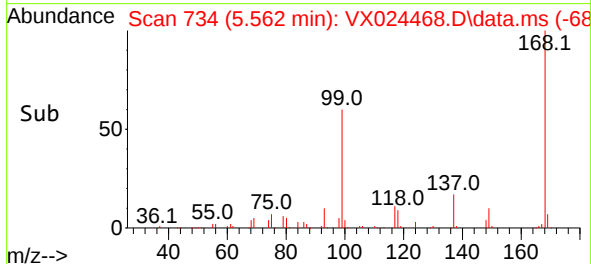
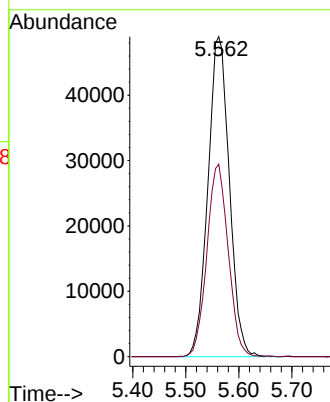
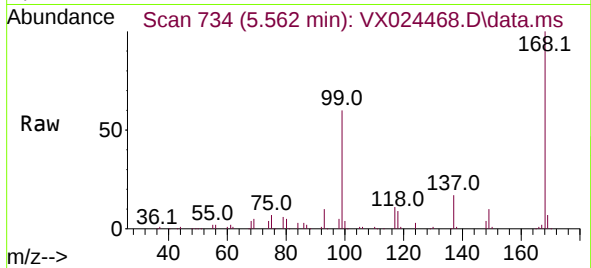




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

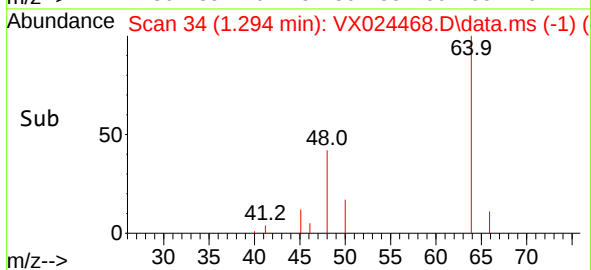
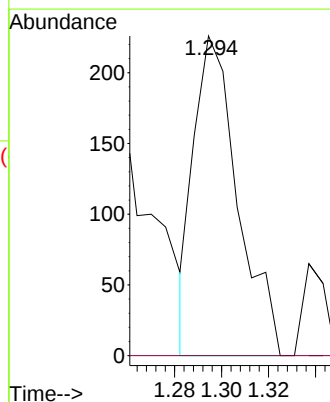
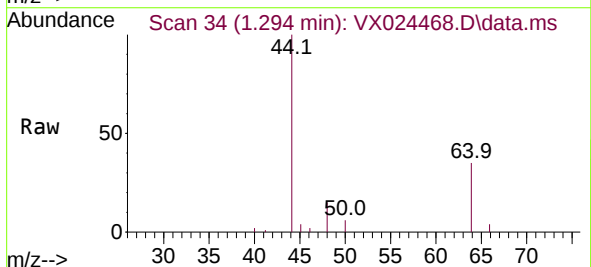
Instrument :
MSVOA_X
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RE103D1-20210920DL

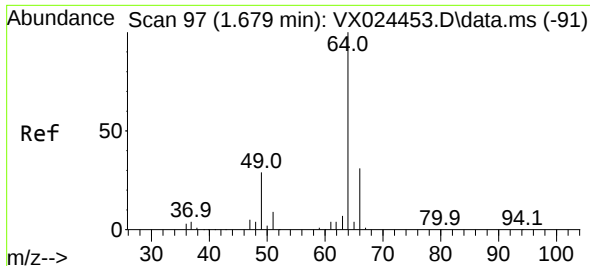
Tgt Ion:168 Resp: 137434
Ion Ratio Lower Upper
168 100
99 60.2 45.8 68.6



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion: 50 Resp: 293
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

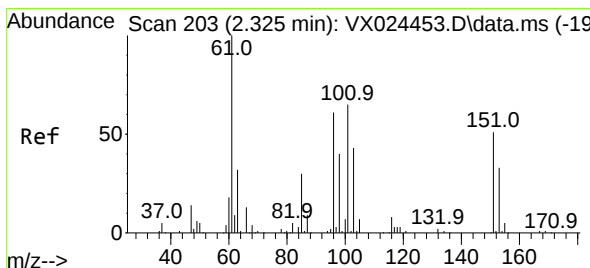
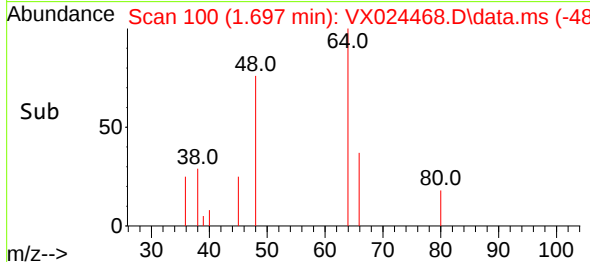
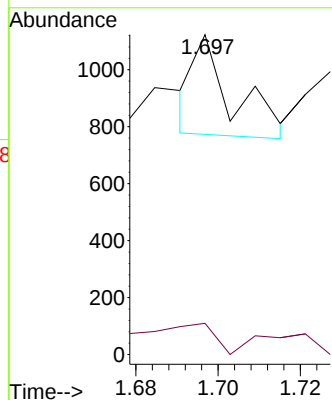
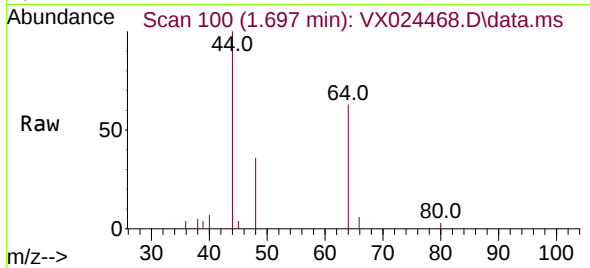




#6
Chloroethane
Concen: 0.508 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

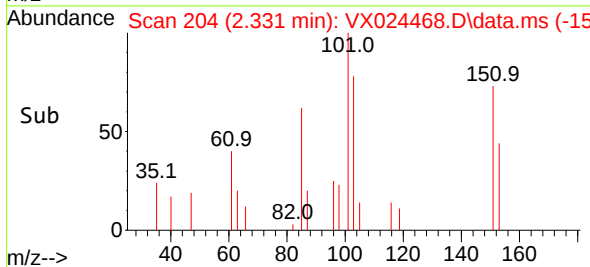
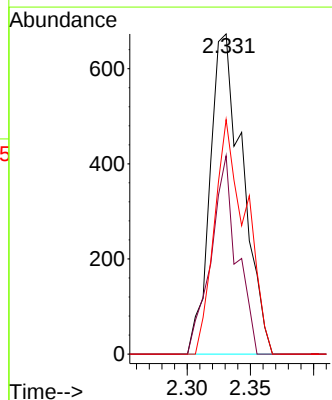
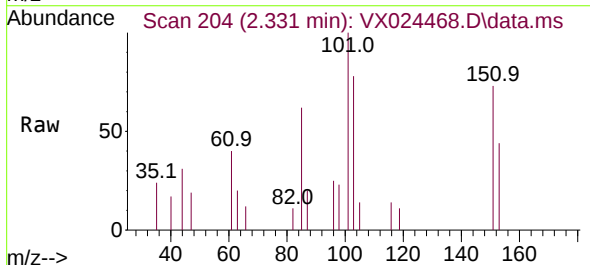
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920DL

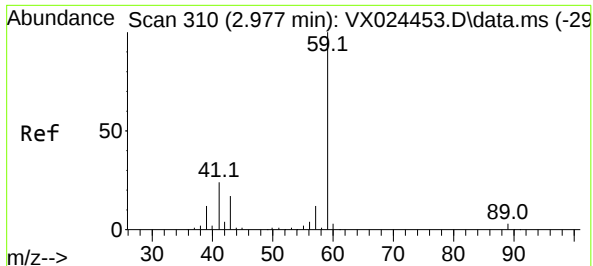
Tgt Ion: 64 Resp: 228
Ion Ratio Lower Upper
64 100
66 16.3 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.889 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion: 101 Resp: 1206
Ion Ratio Lower Upper
101 100
85 49.3 34.9 52.3
151 70.6 61.4 92.2

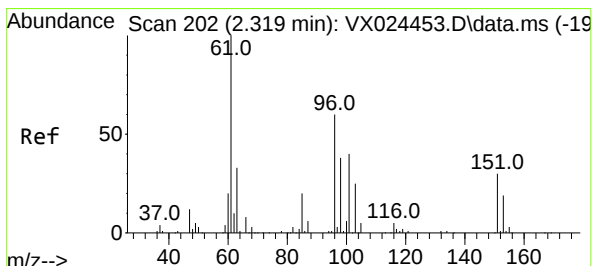
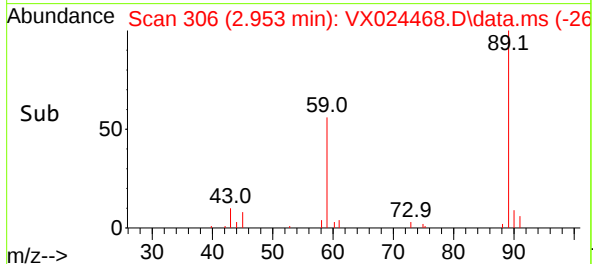
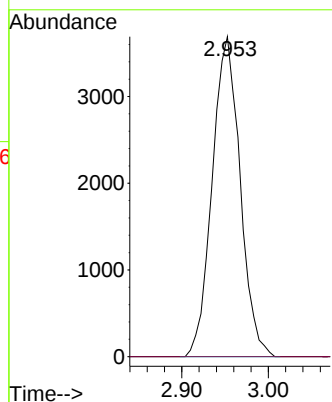
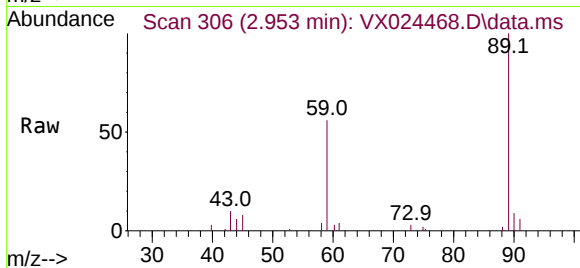




#11
Tert butyl alcohol
Concen: 6.266 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

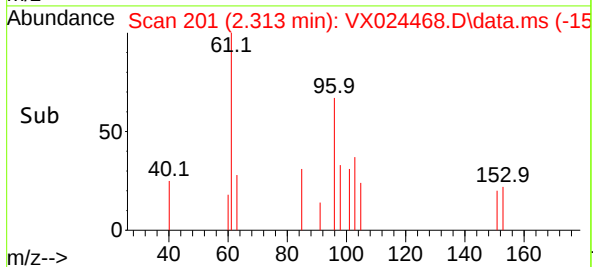
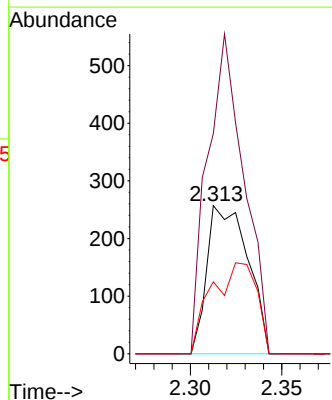
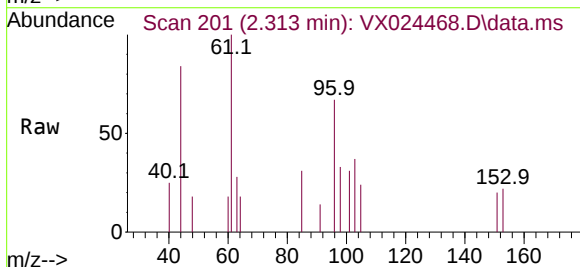
Instrument :
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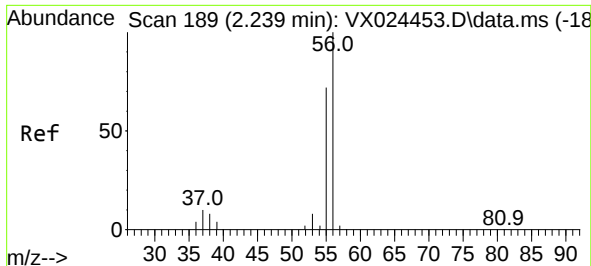
Tgt Ion: 59 Resp: 8254
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.318 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion: 96 Resp: 401
Ion Ratio Lower Upper
96 100
61 148.6 124.6 187.0
98 48.6 50.6 76.0#

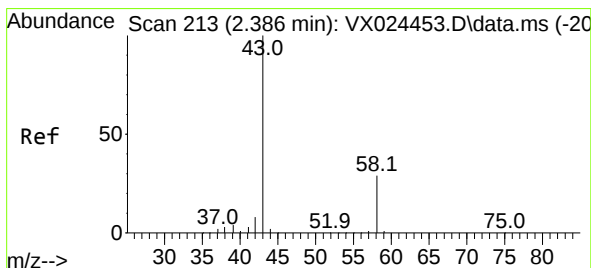
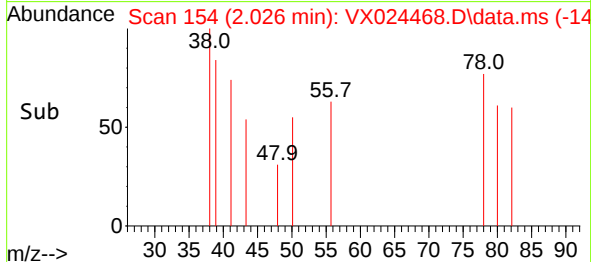
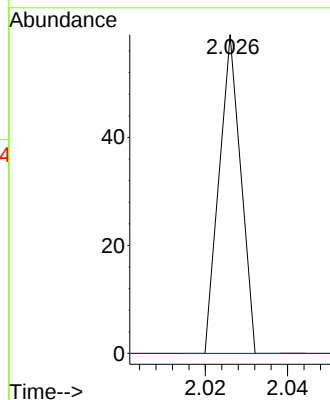
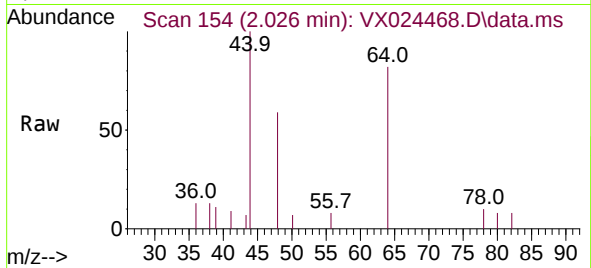




#13
Acrolein
Concen: 10.259 ug/l
RT: 2.026 min Scan# 154
Delta R.T. -0.213 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

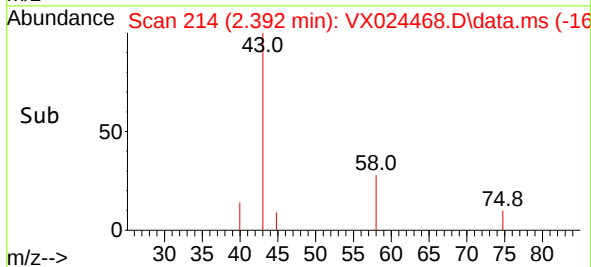
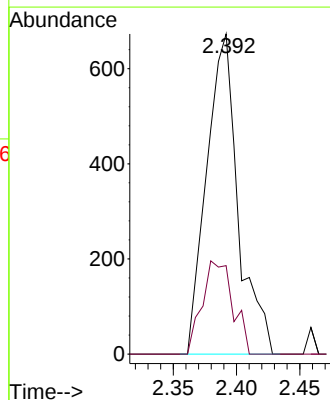
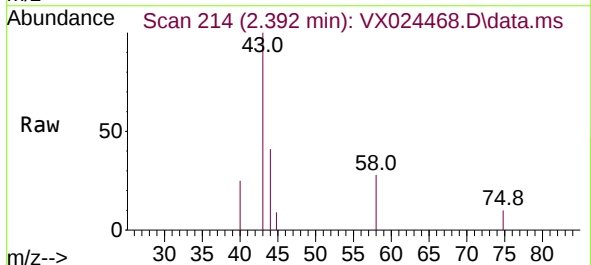
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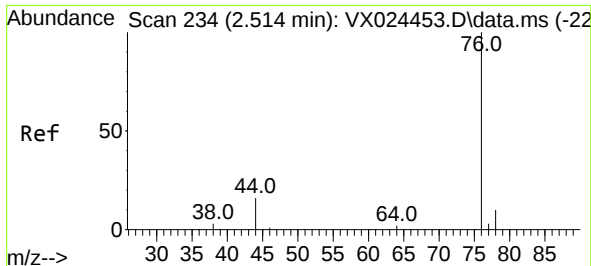
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
58 27.6 27.8 41.8#

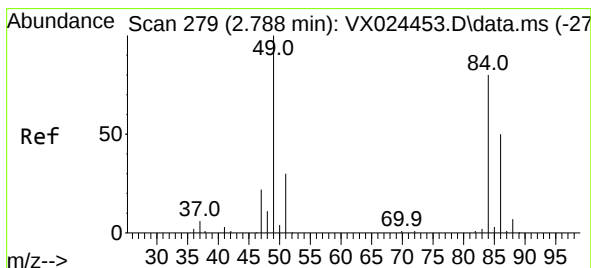
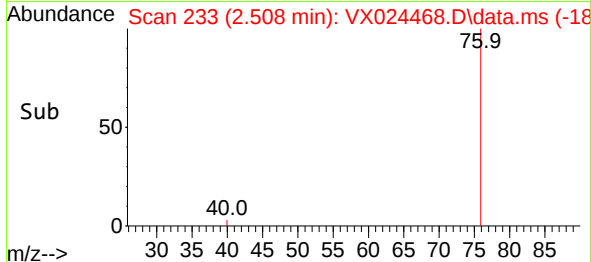
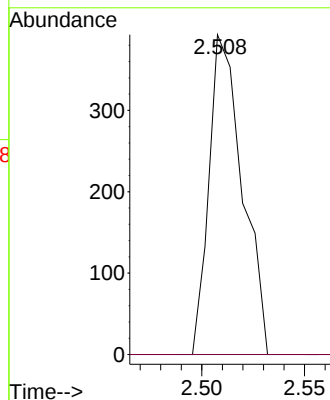
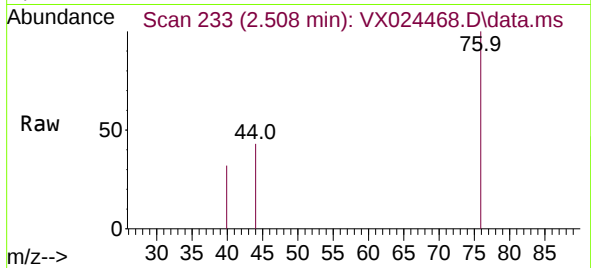




#17
Carbon Disulfide
Concen: 0.364 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

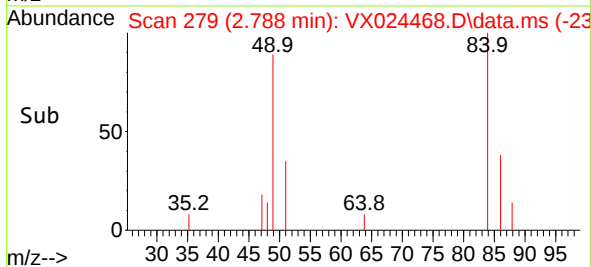
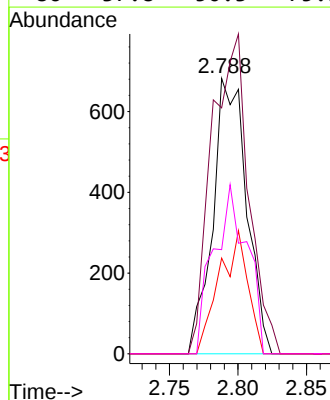
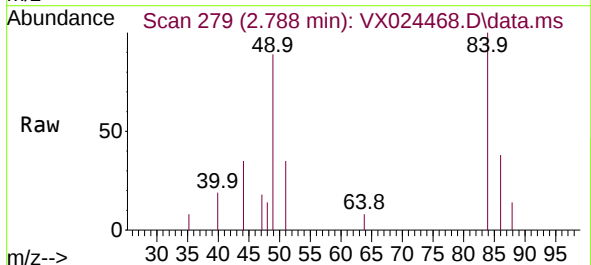
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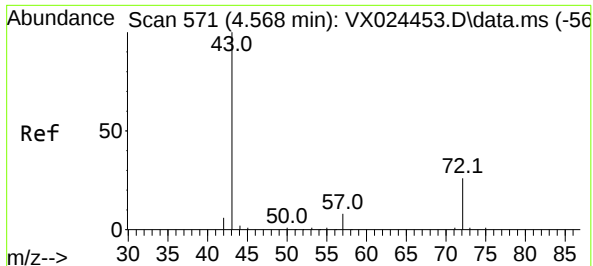
Tgt Ion: 76 Resp: 444
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion: 84 Resp: 1172
Ion Ratio Lower Upper
84 100
49 89.3 88.6 132.8
51 34.8 27.0 40.6
86 37.8 50.3 75.5#





#25

2-Butanone

Concen: 0.457 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

43 100

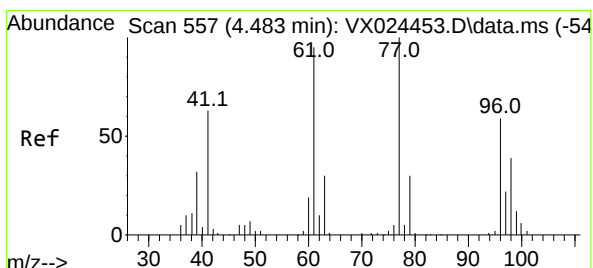
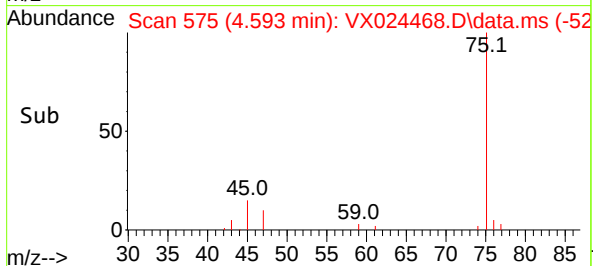
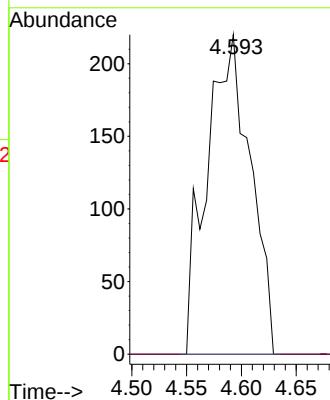
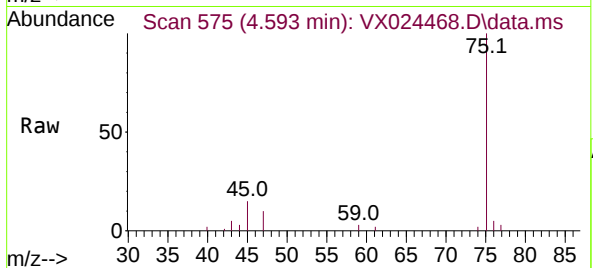
72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

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#26

2,2-Dichloropropane

Concen: 0.224 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.104 min

Lab File: VX024468.D

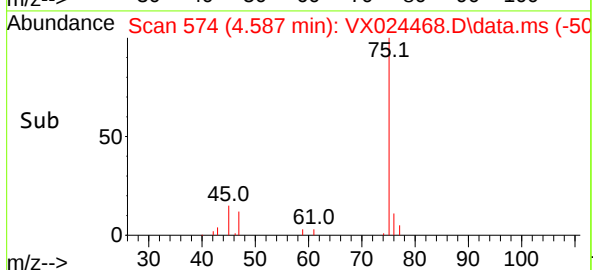
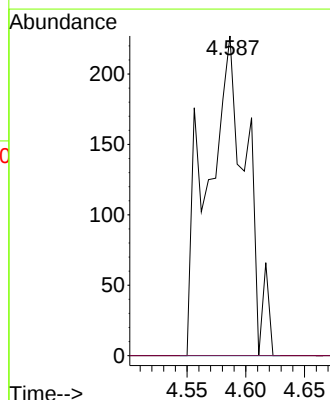
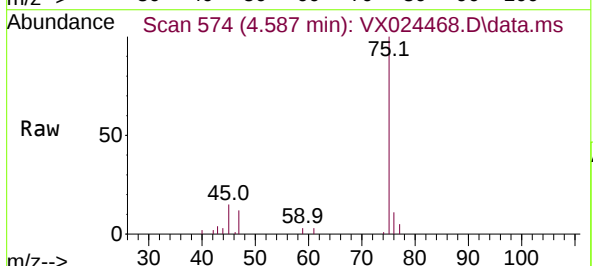
Acq: 23 Sep 2021 22:46

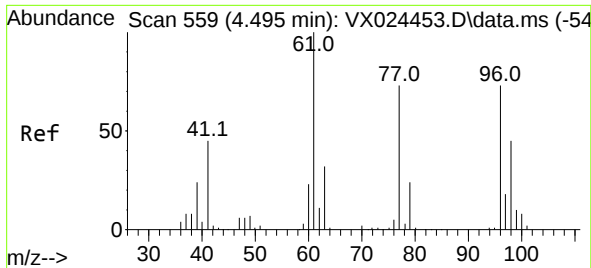
Tgt Ion: 77 Resp: 527

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#27

cis-1,2-Dichloroethene

Concen: 0.362 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

Tgt Ion: 96 Resp: 605

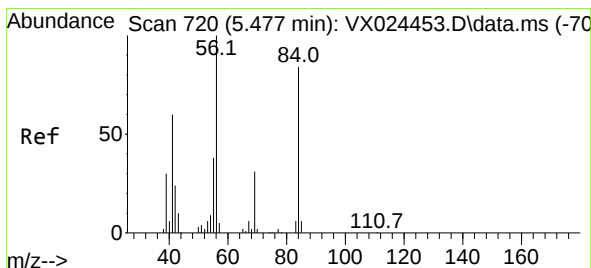
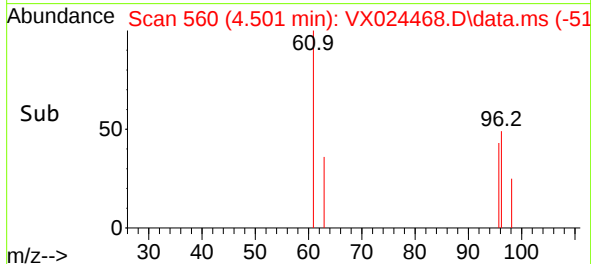
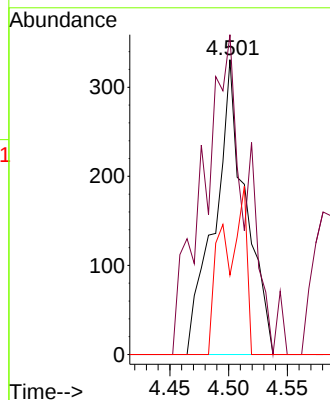
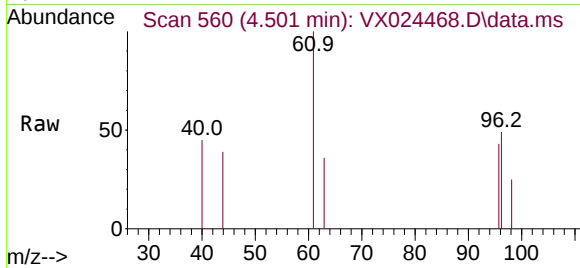
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	285.6
98	21.8	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

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#31

Cyclohexane

Concen: 1.172 ug/l

RT: 5.556 min Scan# 733

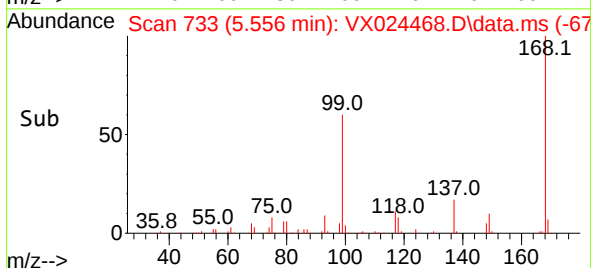
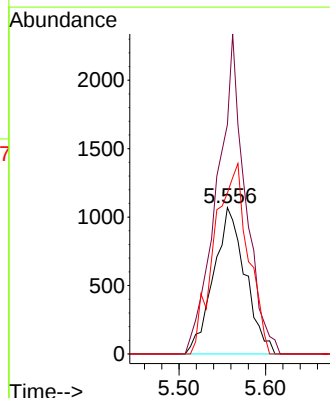
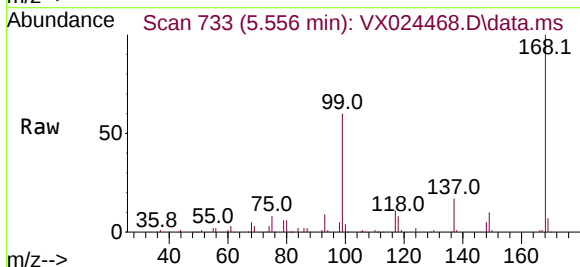
Delta R.T. 0.079 min

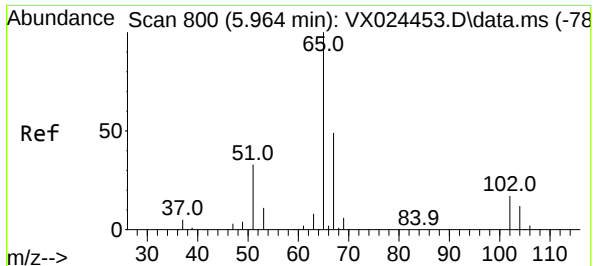
Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

Tgt Ion: 56 Resp: 2718

Ion	Ratio	Lower	Upper
56	100		
69	156.5	25.3	37.9#
84	109.9	71.4	107.0#



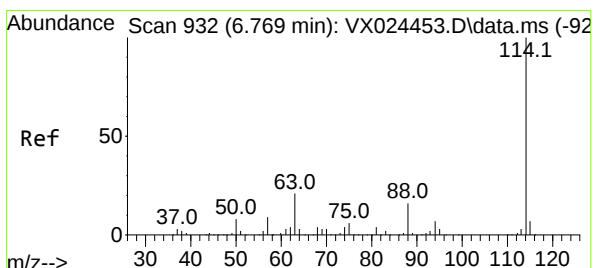
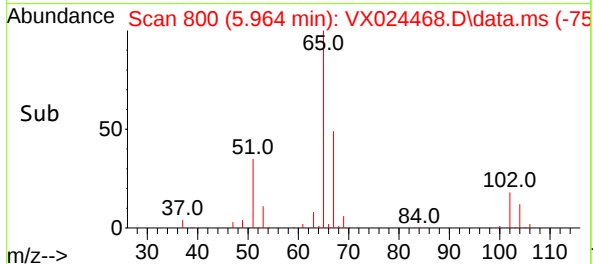
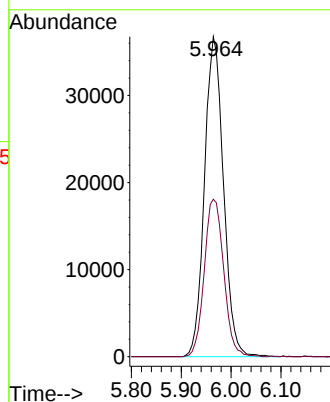
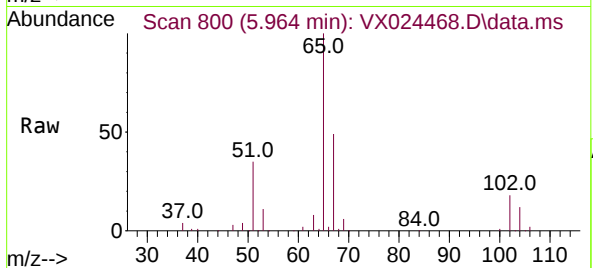


#33

1,2-Dichloroethane-d4
Concen: 50.188 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920DL

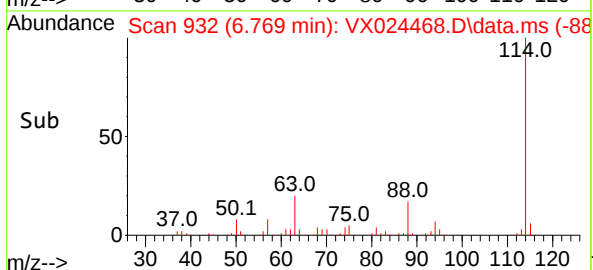
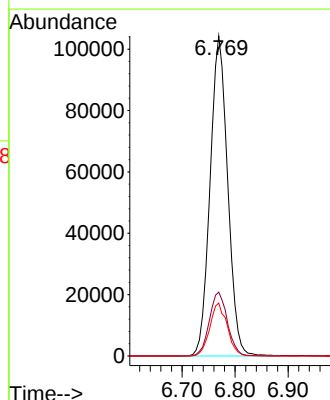
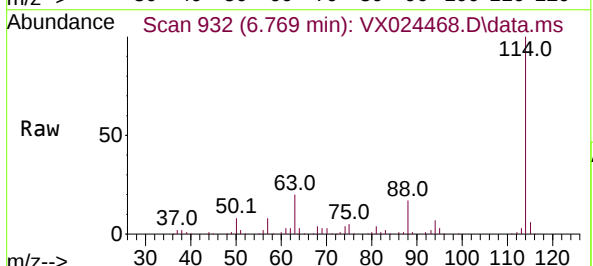
Tgt Ion: 65 Resp: 97213
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

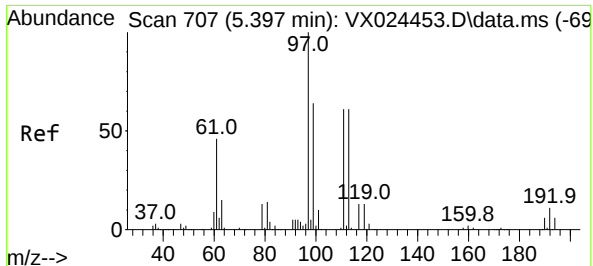


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion: 114 Resp: 240438
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.674 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

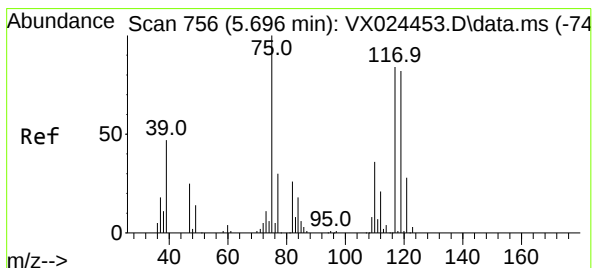
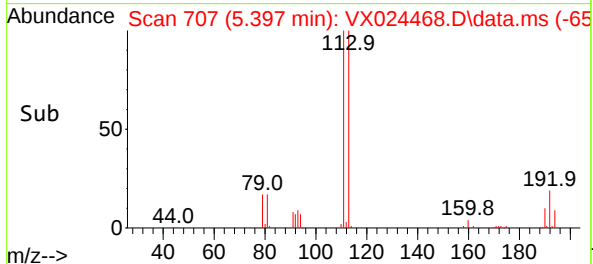
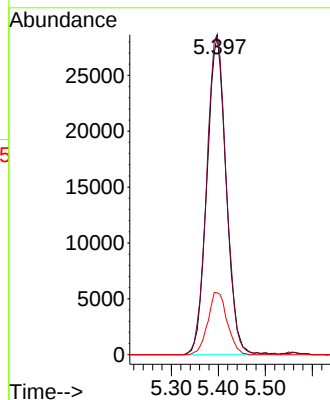
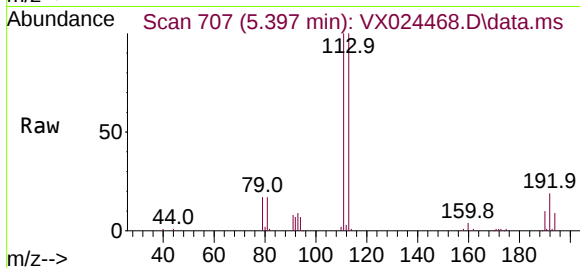
Tgt Ion:113 Resp: 80941

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.710 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

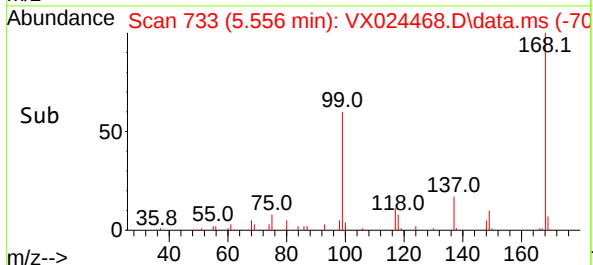
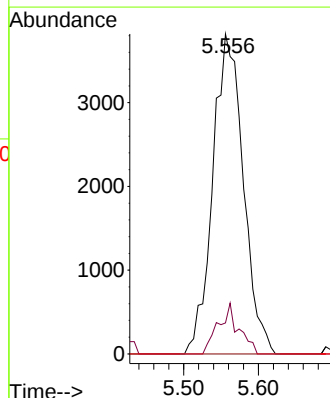
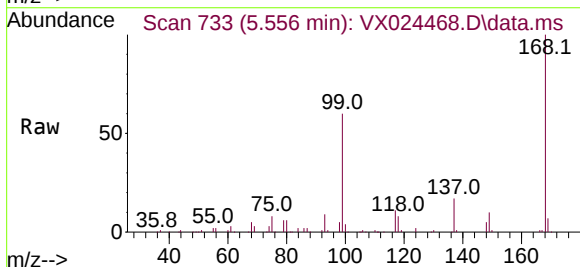
Tgt Ion: 75 Resp: 10857

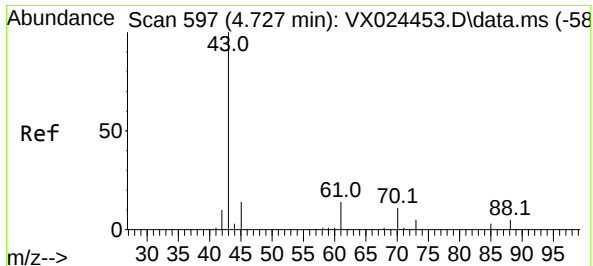
Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.212 ug/l

RT: 4.593 min Scan# 575

Delta R.T. -0.134 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

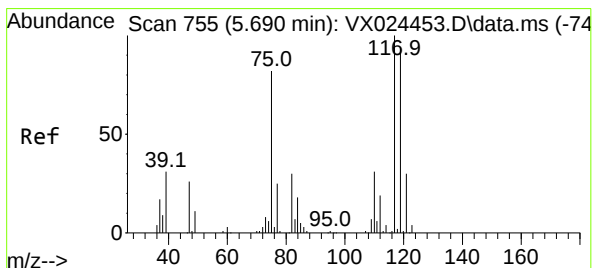
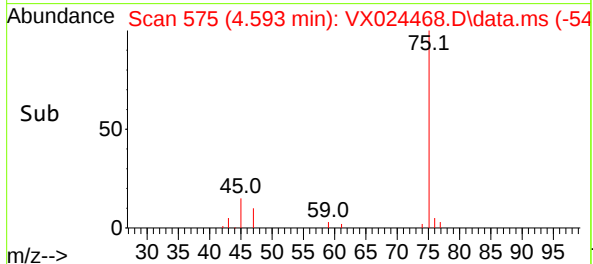
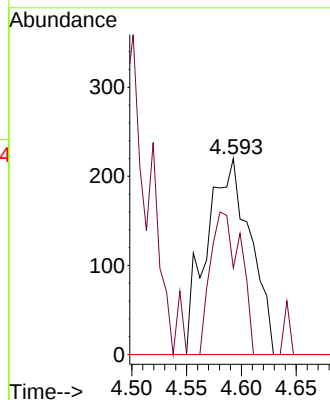
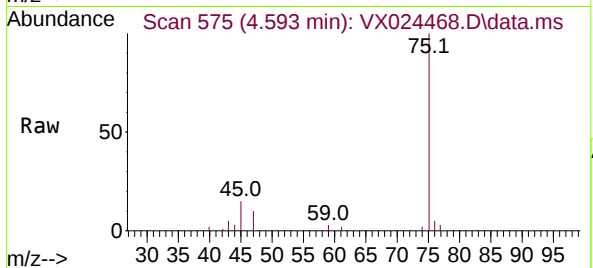
Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20210920DL

Tgt Ion: 43	Resp: 609
Ion Ratio	Lower Upper
43 100	
61 49.9	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 5.637 ug/l

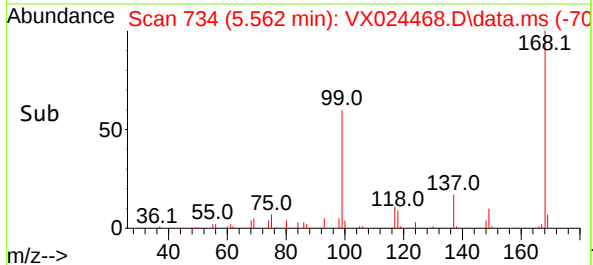
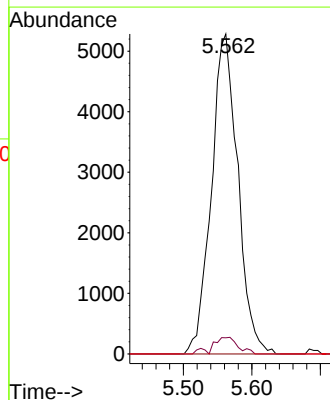
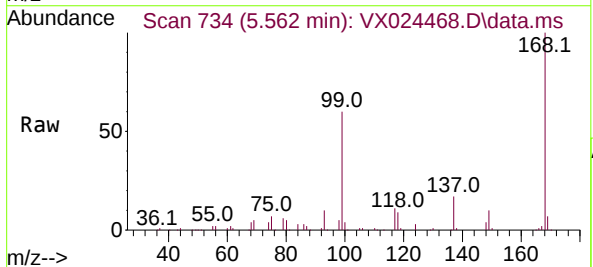
RT: 5.562 min Scan# 734

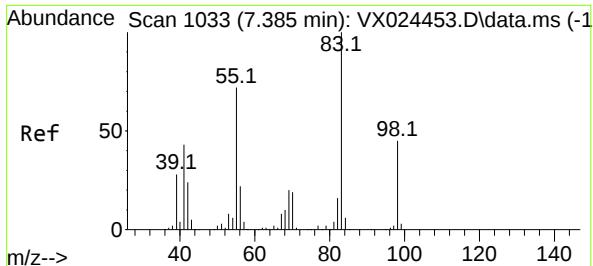
Delta R.T. -0.128 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

Tgt Ion: 117	Resp: 14143
Ion Ratio	Lower Upper
117 100	
119 5.0	76.2 114.2#
121 0.0	24.8 37.2#





#39

Methylcyclohexane

Concen: 0.587 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

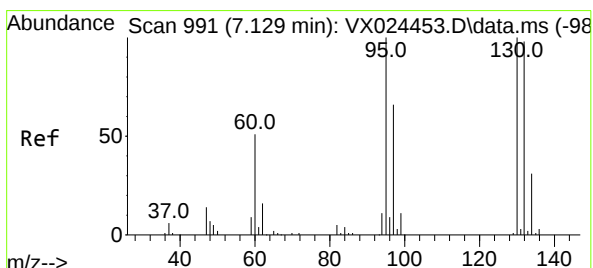
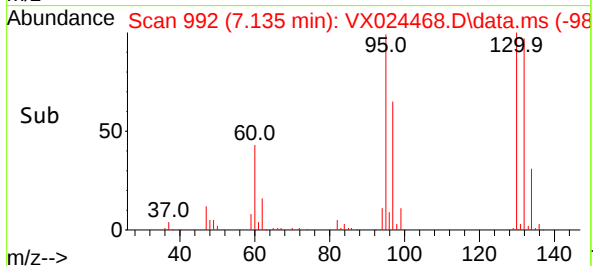
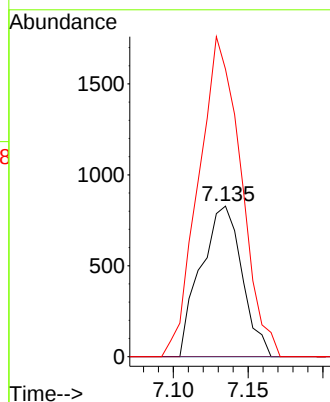
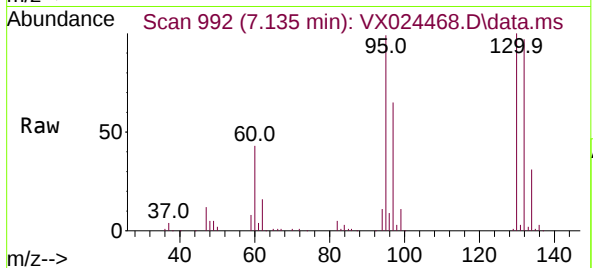
Tgt Ion:	83	Resp:	1584
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	190.9	38.1	57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20210920DL



#44

Trichloroethene

Concen: 70.969 ug/l

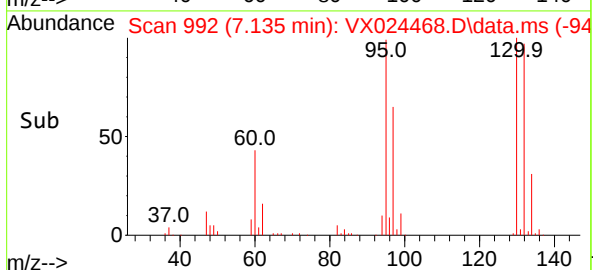
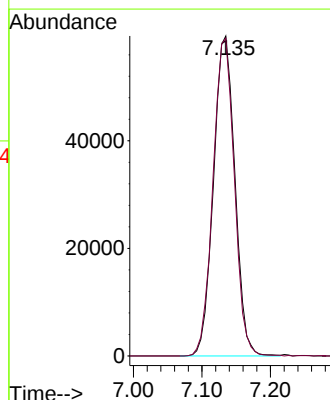
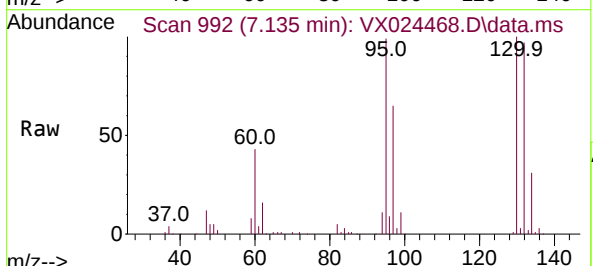
RT: 7.135 min Scan# 992

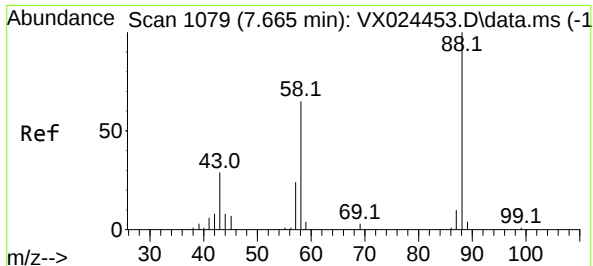
Delta R.T. 0.006 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

Tgt Ion:	130	Resp:	128699
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	198.0





#49

1,4-Dioxane

Concen: 0.464 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.012 min

Lab File: VX024468.D

Acq: 23 Sep 2021 22:46

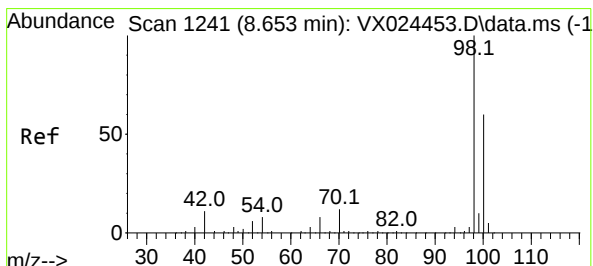
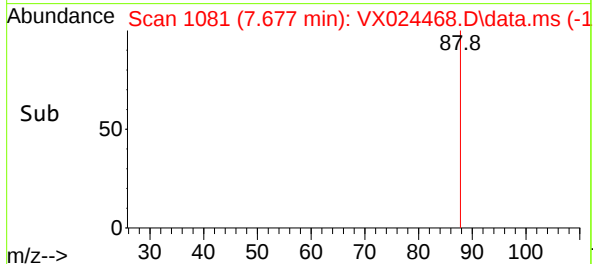
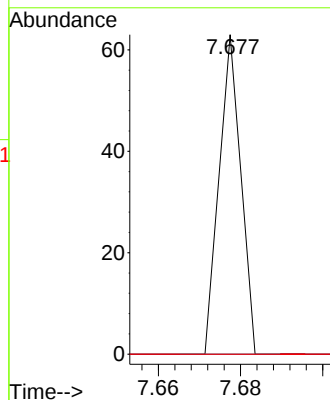
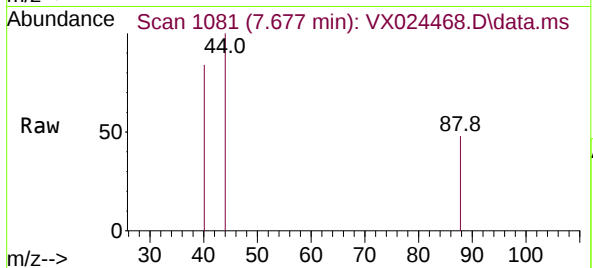
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

58 0.0 55.0 82.4#



#50

Toluene-d8

Concen: 47.528 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024468.D

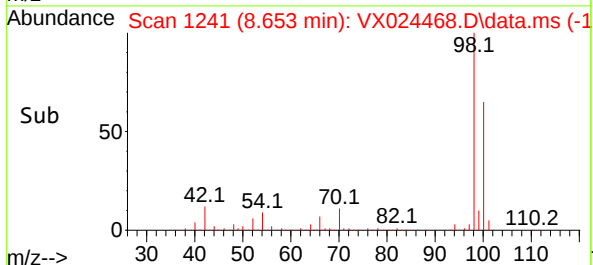
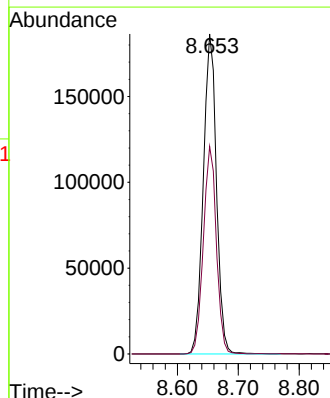
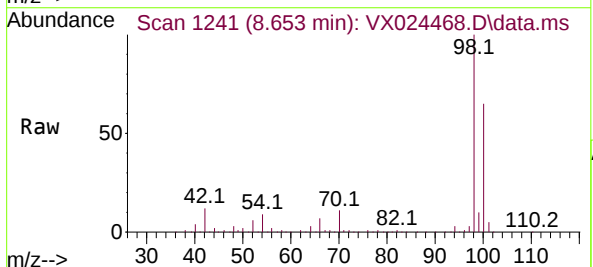
Acq: 23 Sep 2021 22:46

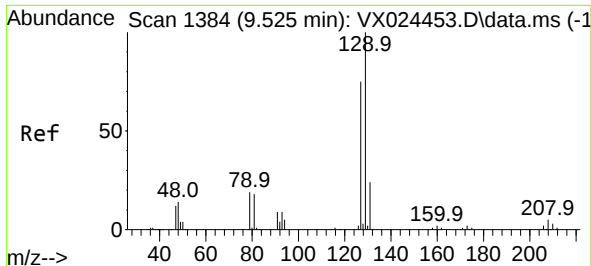
Tgt Ion: 98 Resp: 279413

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

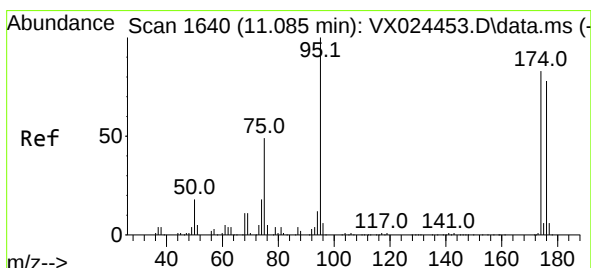
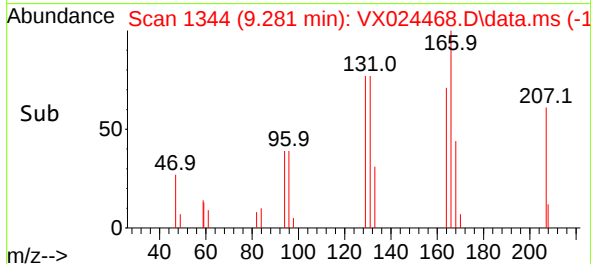
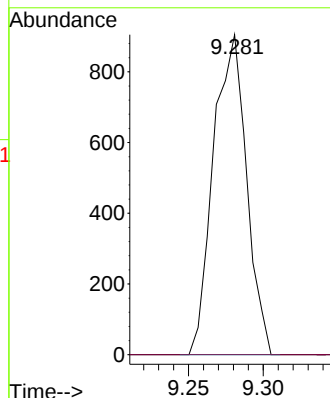
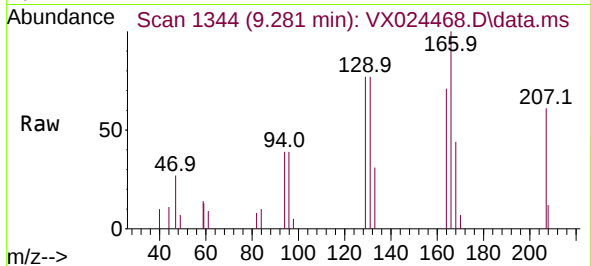




#60
Dibromochloromethane
Concen: 1.869 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

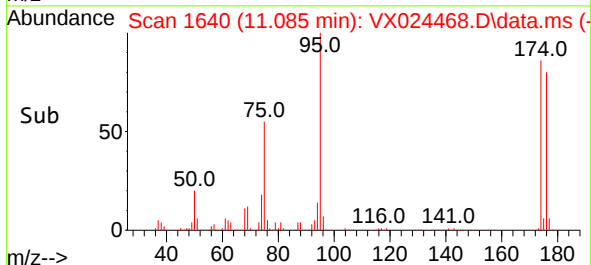
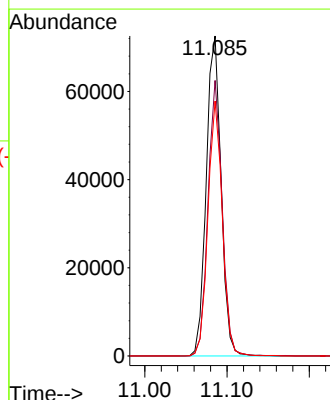
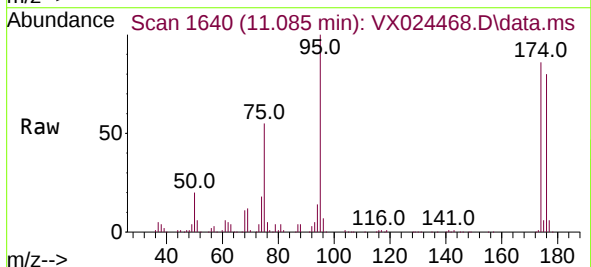
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920DL

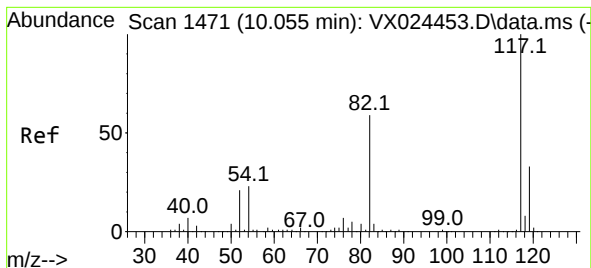
Tgt Ion:129 Resp: 1394
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 39.393 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion: 95 Resp: 91055
Ion Ratio Lower Upper
95 100
174 82.4 0.0 154.6
176 77.2 0.0 155.8

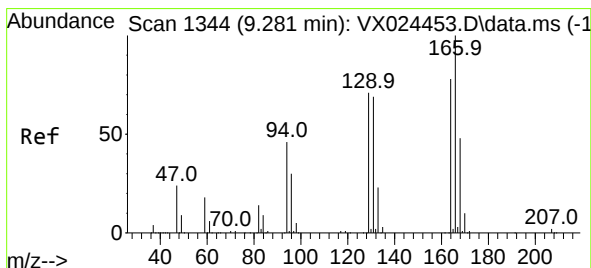
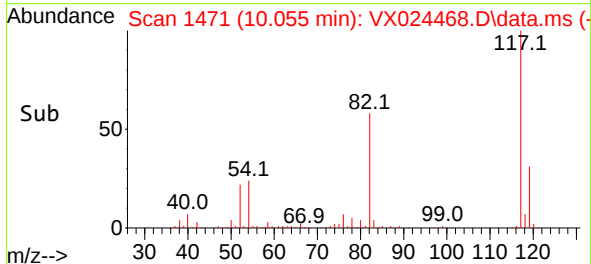
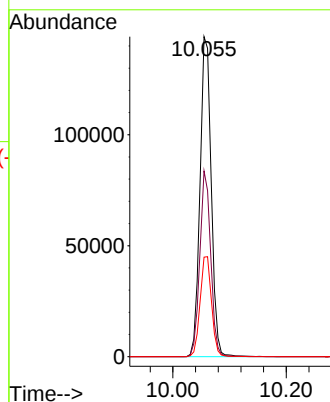
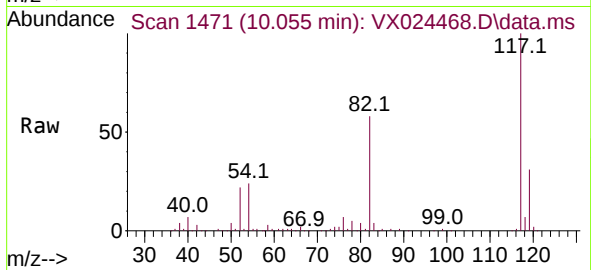




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

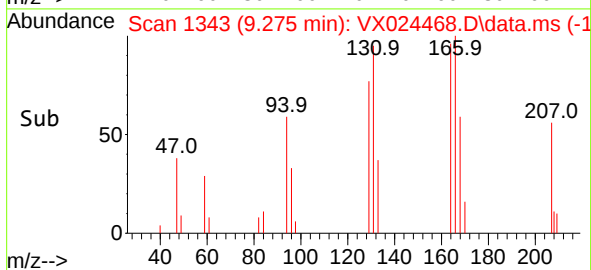
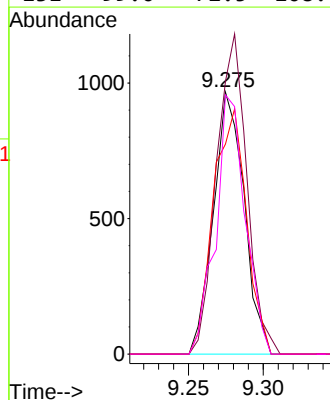
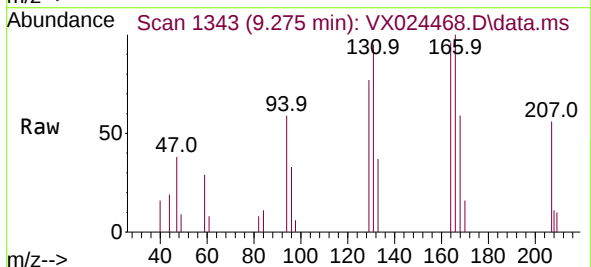
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920DL

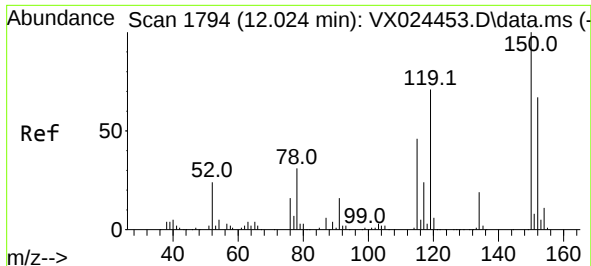
Tgt Ion:117 Resp: 197447
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.1 26.6 39.8



#64
Tetrachloroethene
Concen: 1.013 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Tgt Ion:164 Resp: 1384
Ion Ratio Lower Upper
164 100
166 104.1 103.4 155.2
129 80.2 70.8 106.2
131 99.0 72.5 108.7

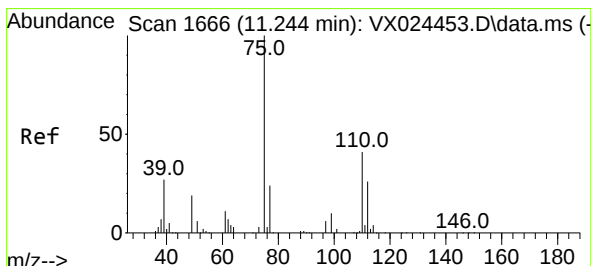
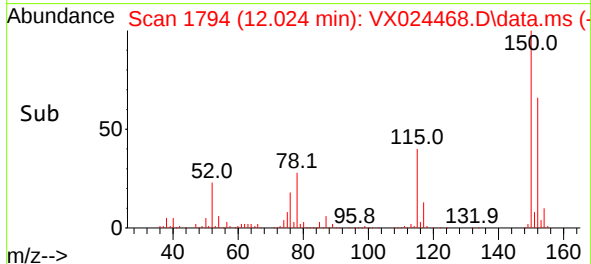
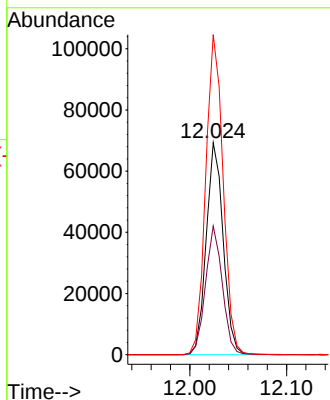
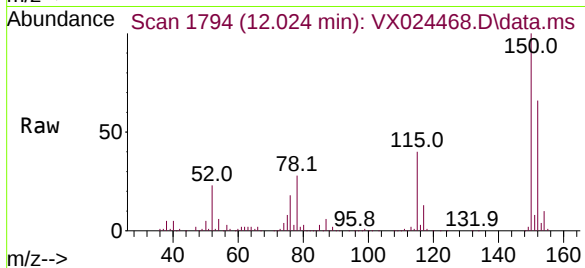




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024468.D
 Acq: 23 Sep 2021 22:46

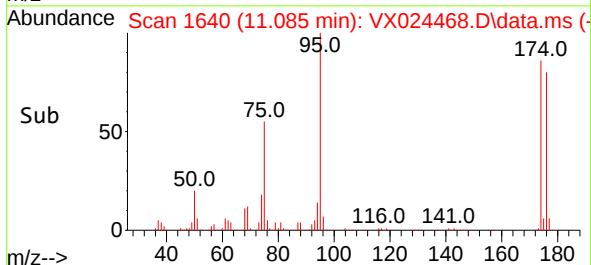
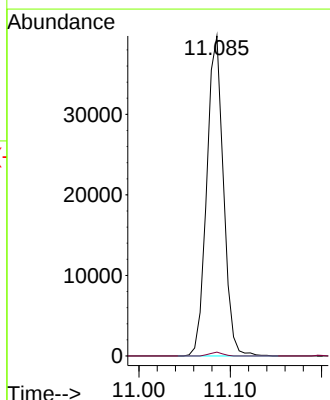
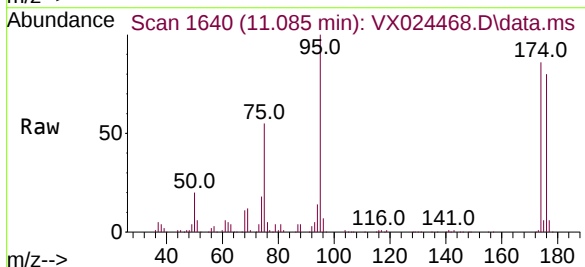
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20210920DL

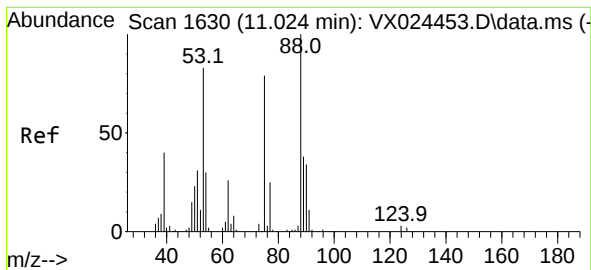
Tgt Ion:152 Resp: 84493
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 154.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.173 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024468.D
 Acq: 23 Sep 2021 22:46

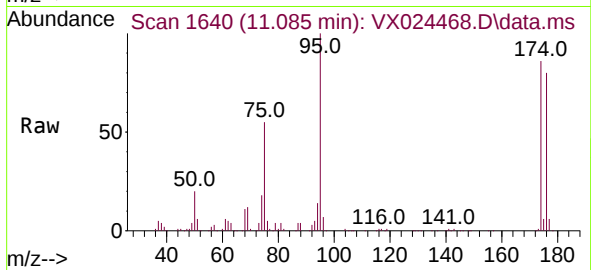
Tgt Ion: 75 Resp: 50220
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.281 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024468.D
Acq: 23 Sep 2021 22:46

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920DL



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

