

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
 Data File : VX024364.D
 Acq On : 20 Sep 2021 20:24
 Operator : JC/MD
 Sample : M3782-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20210914

Quant Time: Sep 21 08:43:42 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)

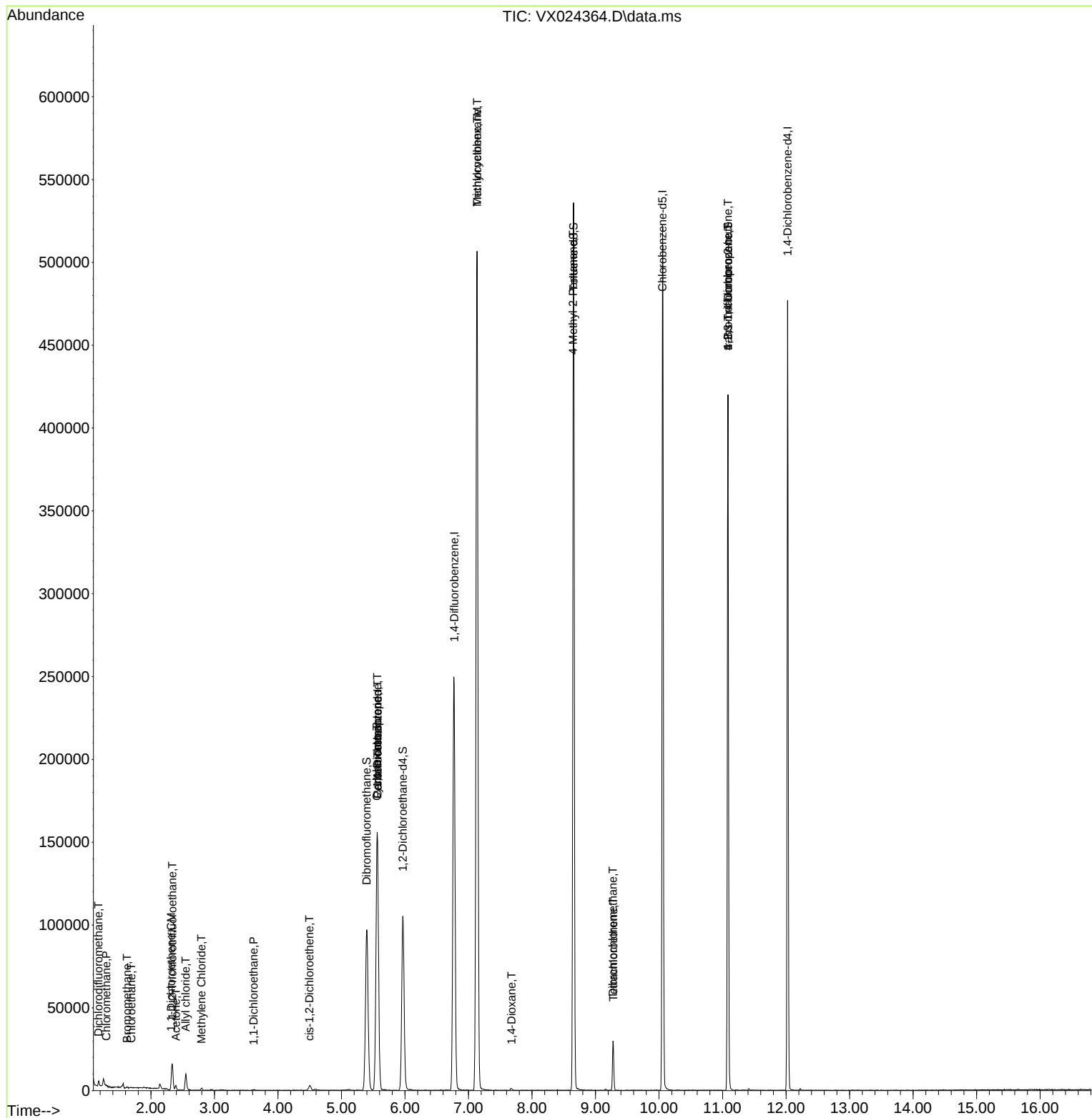
Internal Standards						
1) Pentafluorobenzene	5.568	168	143409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	250453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107501	52.569	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.140%	
35) Dibromofluoromethane	5.397	113	84237	50.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.300%	
50) Toluene-d8	8.653	98	312996	51.153	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	11.085	95	109322	45.909	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	1162	0.843	ug/l	97
3) Chloromethane	1.294	50	551	0.383	ug/l #	75
5) Bromomethane	1.624	94	361	0.423	ug/l #	51
6) Chloroethane	1.691	64	172	2.144	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	5832	4.131	ug/l	96
11) Tert butyl alcohol	2.946	59	306	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	744	0.563	ug/l #	77
14) Allyl chloride	2.544	41	1073	0.447	ug/l #	37
16) Acetone	2.392	43	2403	2.756	ug/l #	85
20) Methylene Chloride	2.794	84	536	0.320	ug/l #	91
24) 1,1-Dichloroethane	3.617	63	561	0.203	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	1980	1.184	ug/l	95
31) Cyclohexane	5.556	56	3041	1.271	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11267	4.893	ug/l #	49
38) Carbon Tetrachloride	5.568	117	14878	5.741	ug/l #	16
39) Methylcyclohexane	7.135	83	2252	0.819	ug/l #	1
44) Trichloroethene	7.135	130	194140	104.623	ug/l	100
49) 1,4-Dioxane	7.677	88	853	19.116	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	1369	0.503	ug/l #	1
60) Dibromochloromethane	9.275	129	4899	3.989	ug/l #	11
64) Tetrachloroethene	9.281	164	5514	2.991	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	57260	26.480	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57260	77.879	ug/l #	12

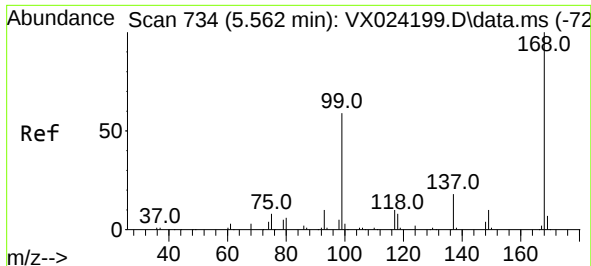
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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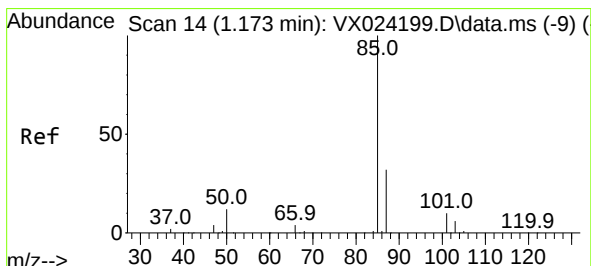
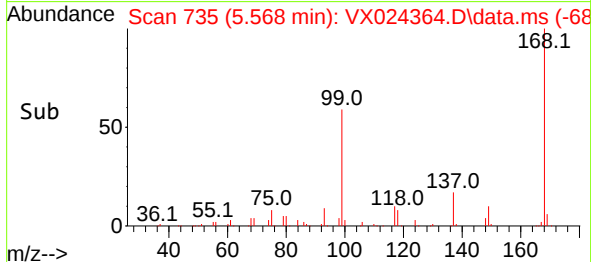
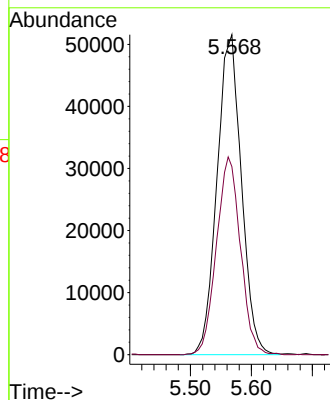
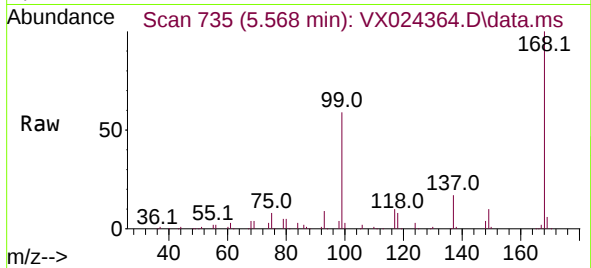




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

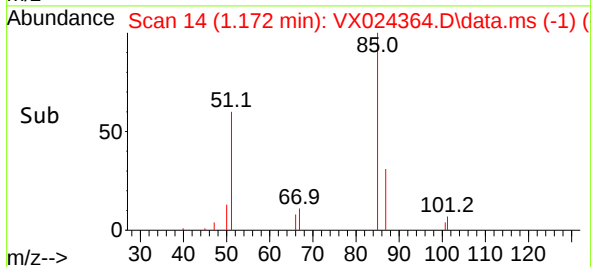
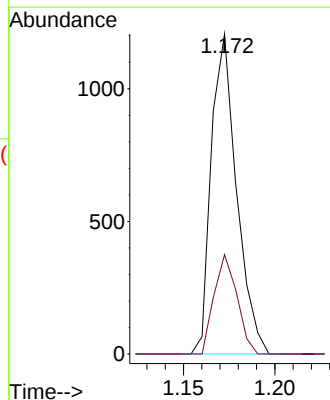
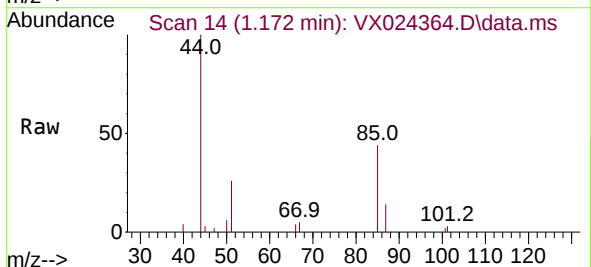
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

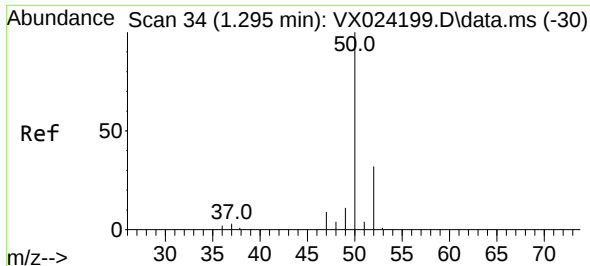
Tgt Ion:168 Resp: 143409
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.843 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion: 85 Resp: 1162
Ion Ratio Lower Upper
85 100
87 31.1 16.4 49.2

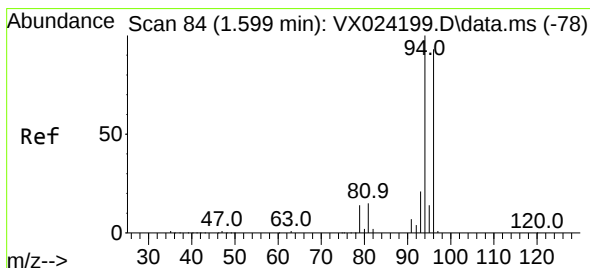
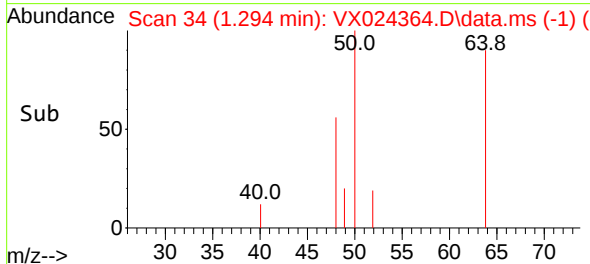
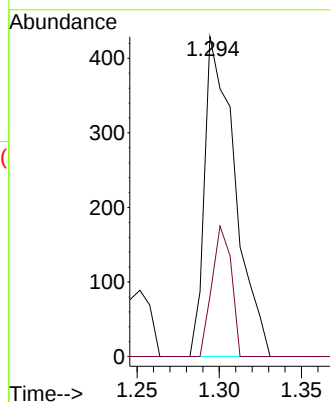
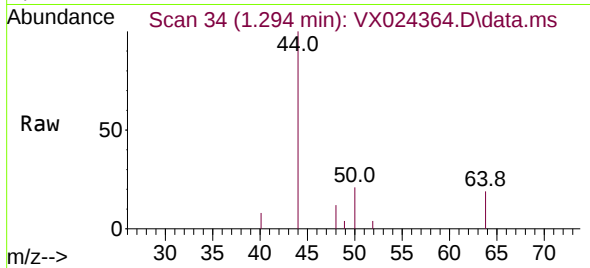




#3
Chloromethane
Concen: 0.383 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

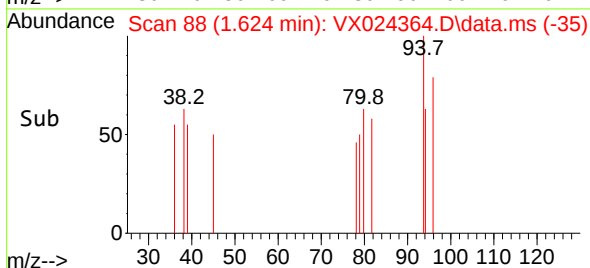
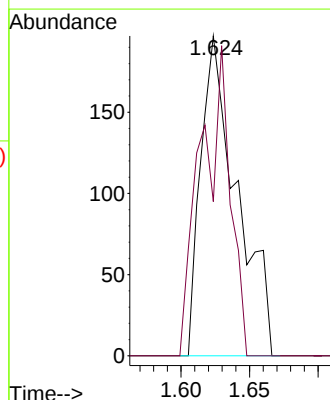
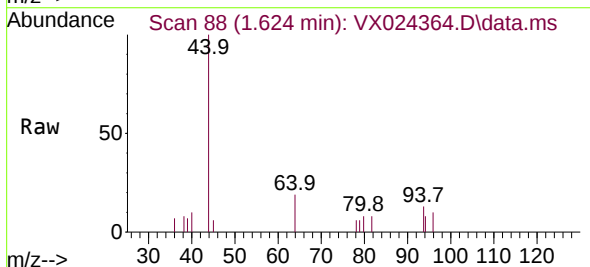
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

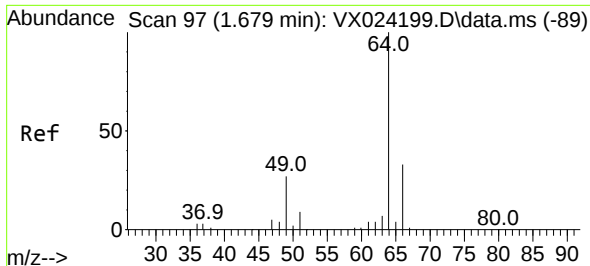
Tgt Ion: 50 Resp: 551
Ion Ratio Lower Upper
50 100
52 18.9 26.4 39.6#



#5
Bromomethane
Concen: 0.423 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 48.2 76.4 114.6#

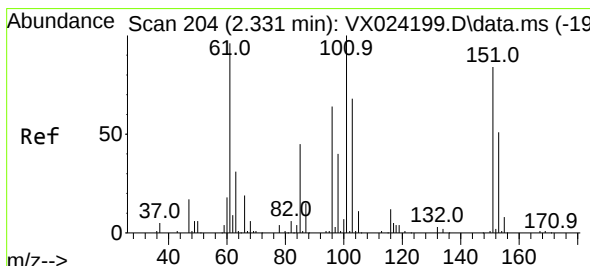
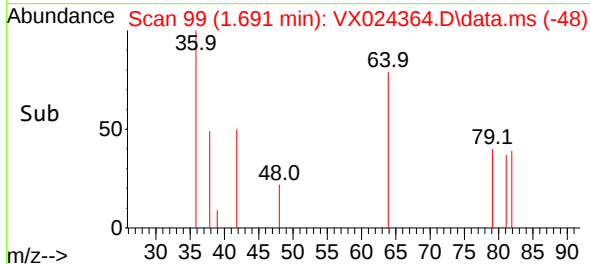
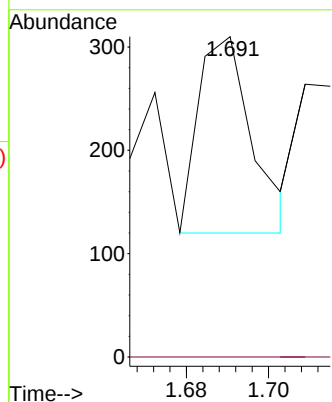
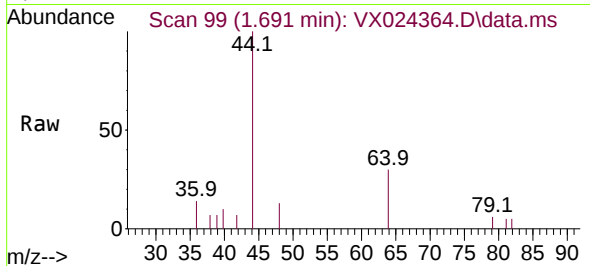




#6
Chloroethane
Concen: 2.144 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

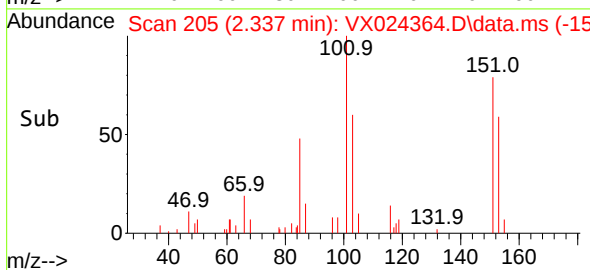
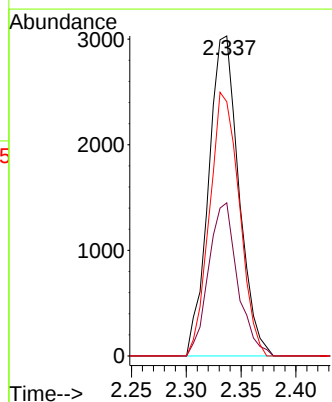
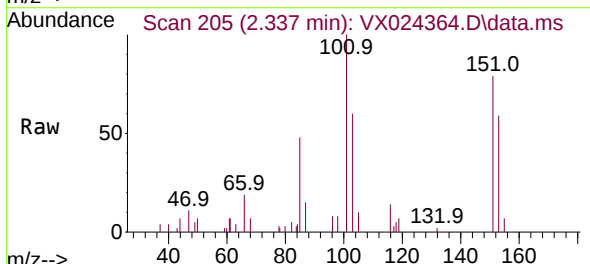
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

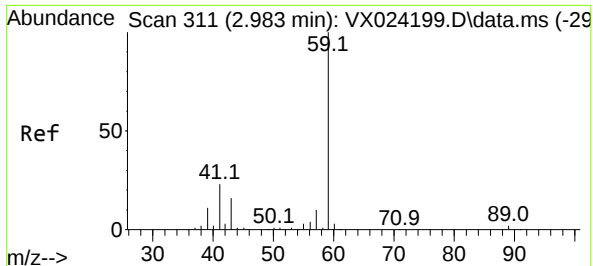
Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.131 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion: 101 Resp: 5832
Ion Ratio Lower Upper
101 100
85 45.9 34.9 52.3
151 80.8 61.4 92.2



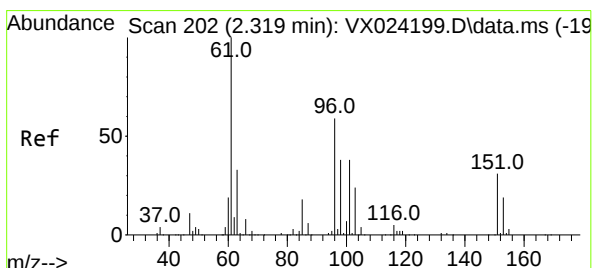
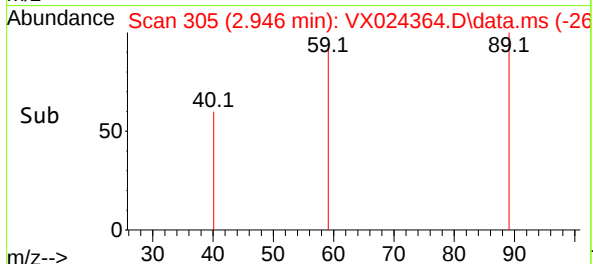
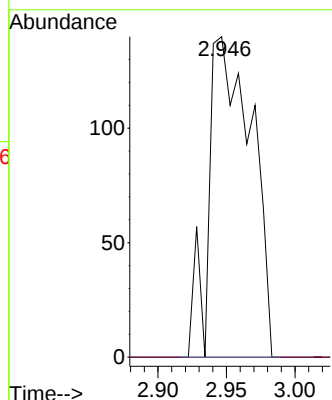
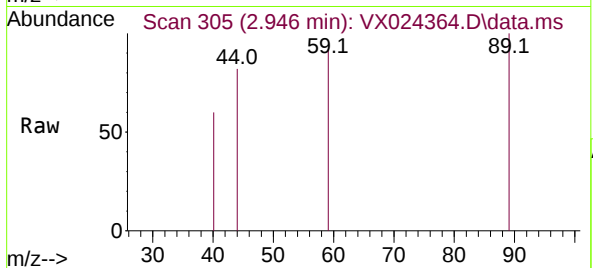


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

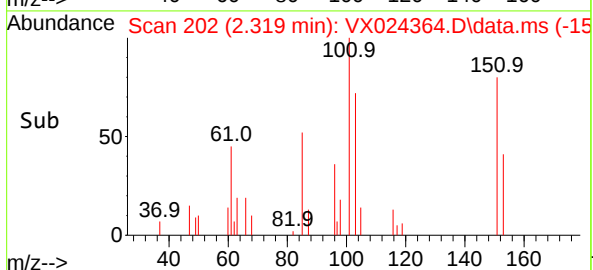
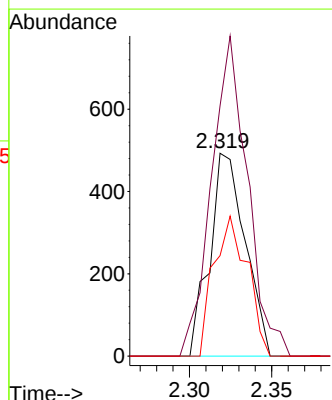
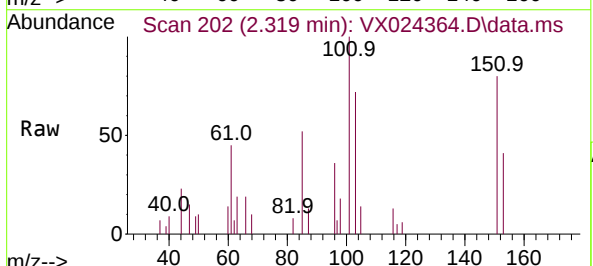
Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

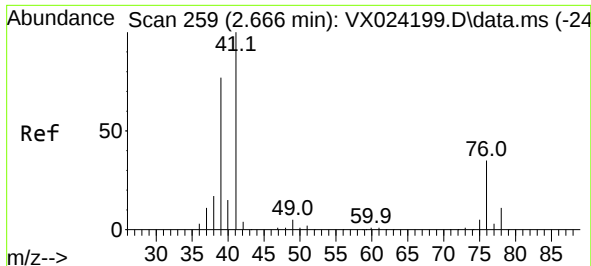


#12

1,1-Dichloroethene
Concen: 0.563 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion: 96 Resp: 744
Ion Ratio Lower Upper
96 100
61 123.3 124.6 187.0#
98 49.5 50.6 76.0#

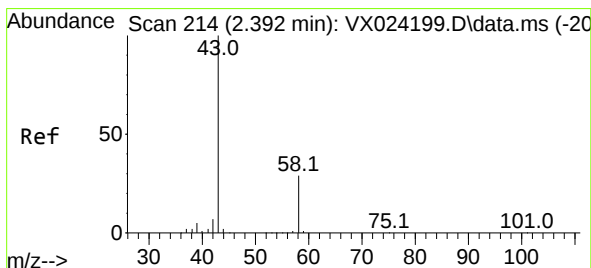
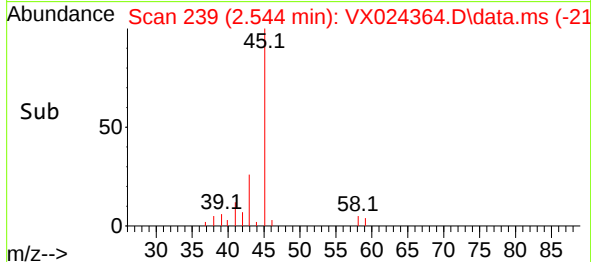
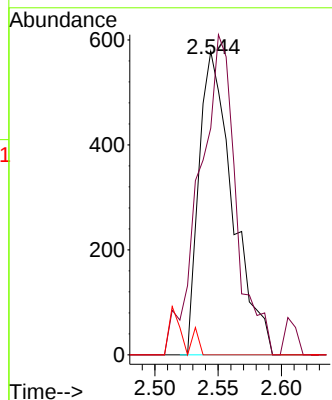
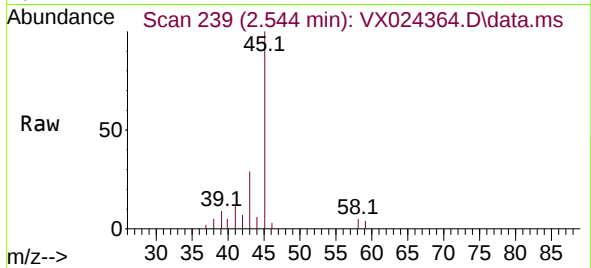




#14
 Allyl chloride
 Concen: 0.447 ug/l
 RT: 2.544 min Scan# 239
 Delta R.T. -0.122 min
 Lab File: VX024364.D
 Acq: 20 Sep 2021 20:24

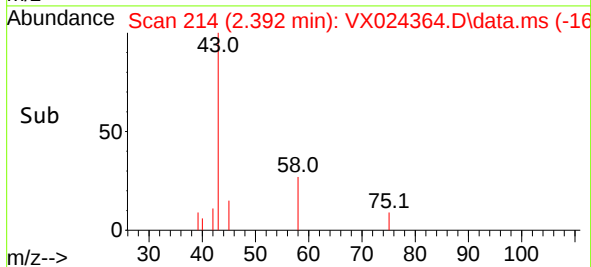
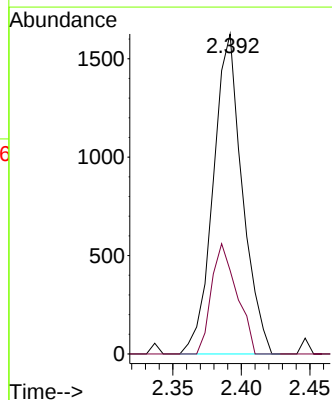
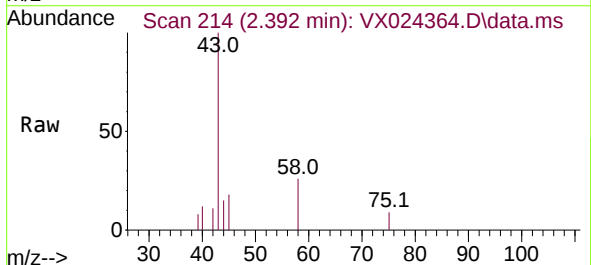
Instrument :
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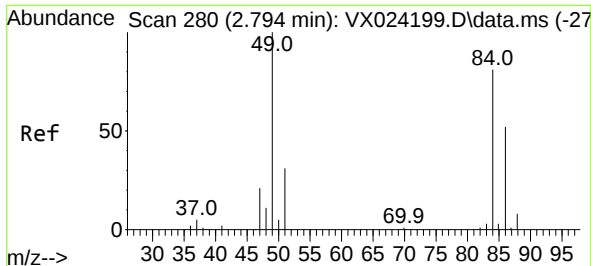
Tgt Ion: 41	Resp: 1073
Ion Ratio	Lower Upper
41 100	
39 114.0	51.6 77.4#
76 0.0	30.5 45.7#



#16
 Acetone
 Concen: 2.756 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX024364.D
 Acq: 20 Sep 2021 20:24

Tgt Ion: 43	Resp: 2403
Ion Ratio	Lower Upper
43 100	
58 26.1	27.8 41.8#





#20

Methylene Chloride

Concen: 0.320 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024364.D

Acq: 20 Sep 2021 20:24

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20210914

Tgt Ion: 84 Resp: 536

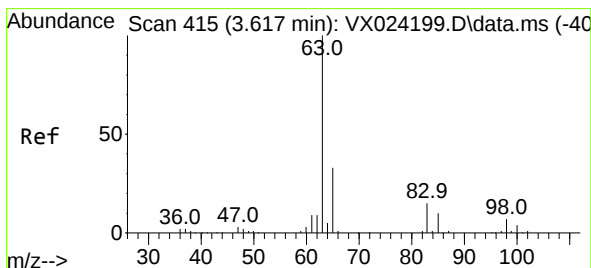
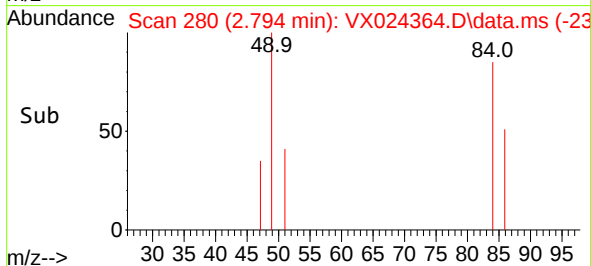
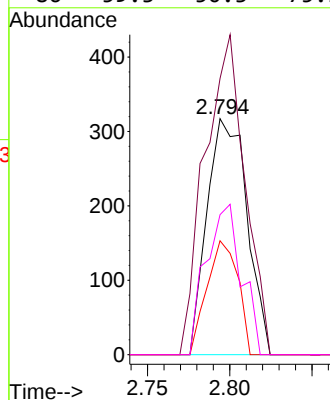
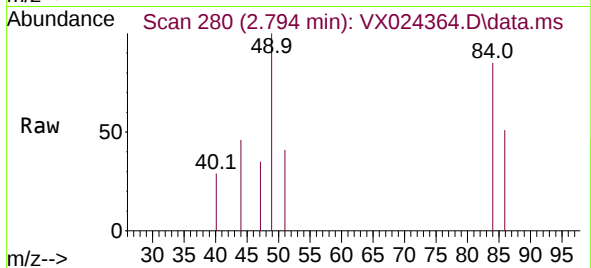
Ion Ratio Lower Upper

84 100

49 117.0 88.6 132.8

51 48.3 27.0 40.6#

86 59.3 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.203 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX024364.D

Acq: 20 Sep 2021 20:24

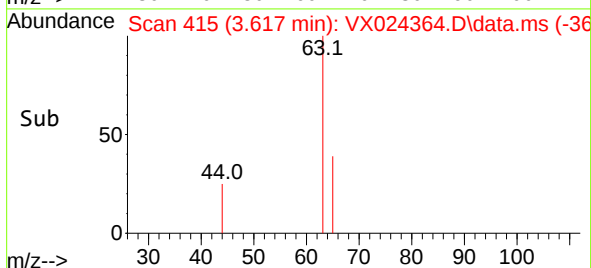
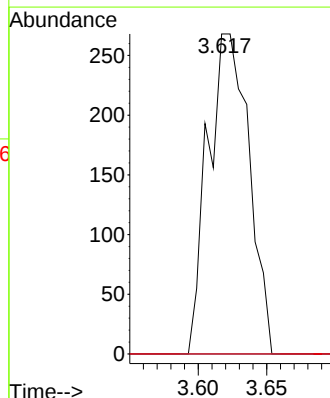
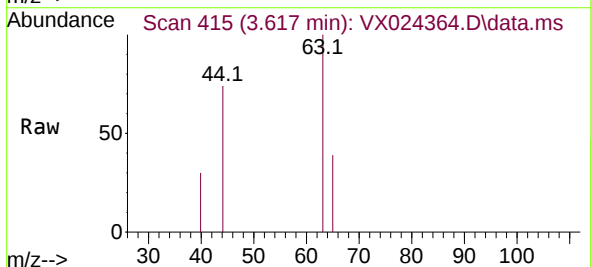
Tgt Ion: 63 Resp: 561

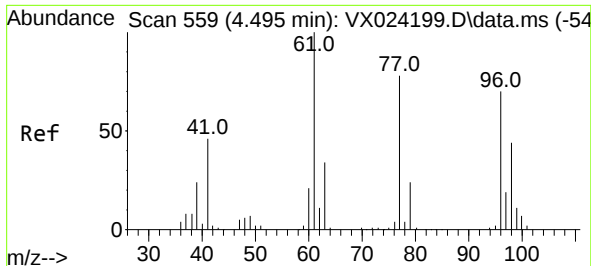
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.184 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX024364.D

Acq: 20 Sep 2021 20:24

Instrument :

MSVOA_X

ClientSampleId :

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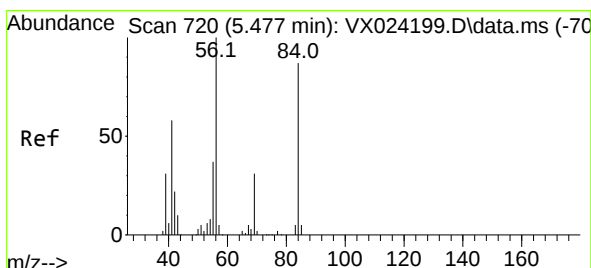
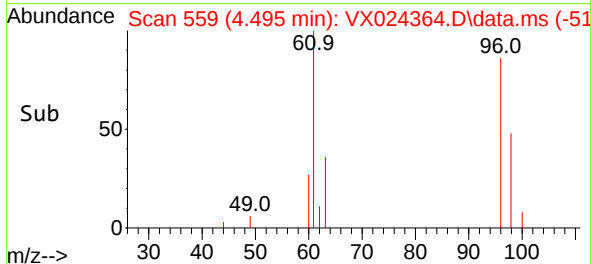
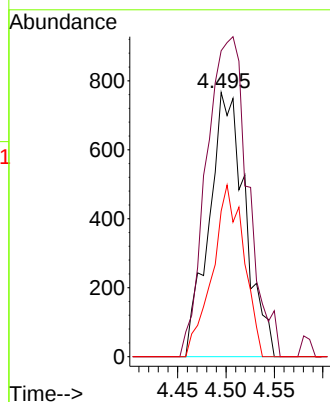
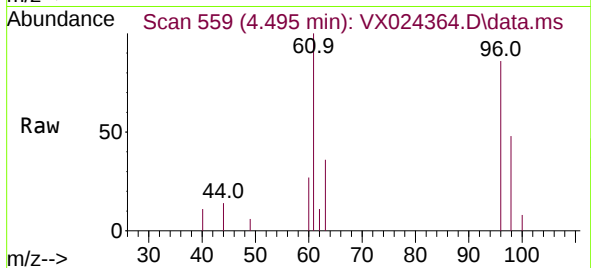
Tgt Ion: 96 Resp: 1980

Ion Ratio Lower Upper

96 100

61 140.0 0.0 285.6

98 56.7 0.0 129.6



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024364.D

Acq: 20 Sep 2021 20:24

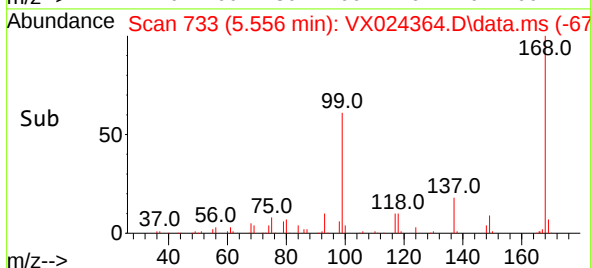
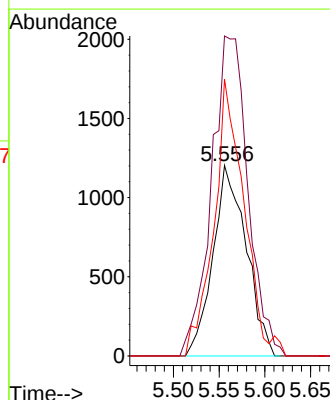
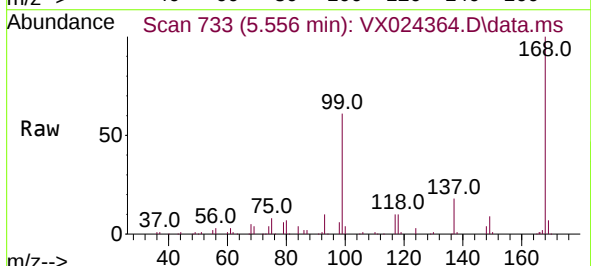
Tgt Ion: 56 Resp: 3041

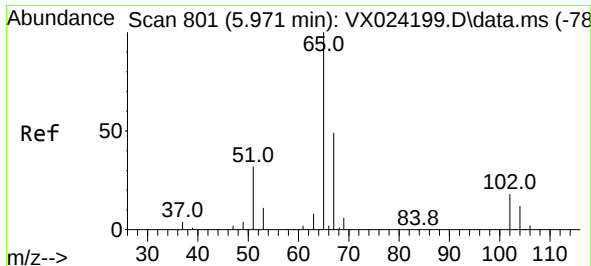
Ion Ratio Lower Upper

56 100

69 168.0 25.3 37.9#

84 145.3 71.4 107.0#

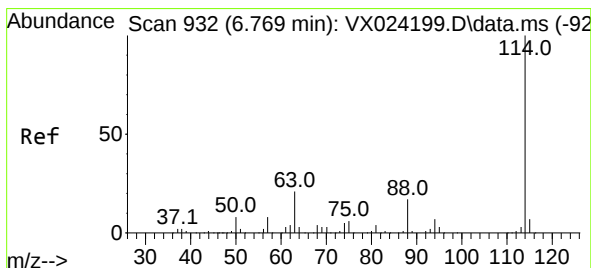
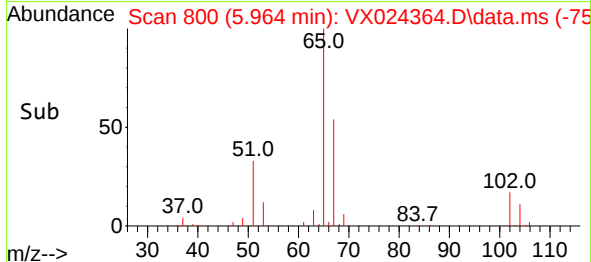
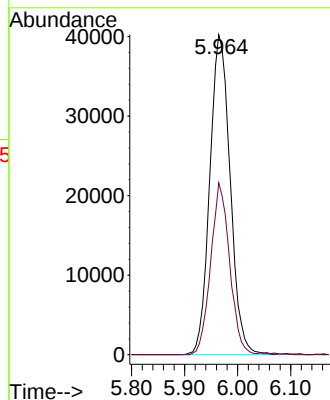
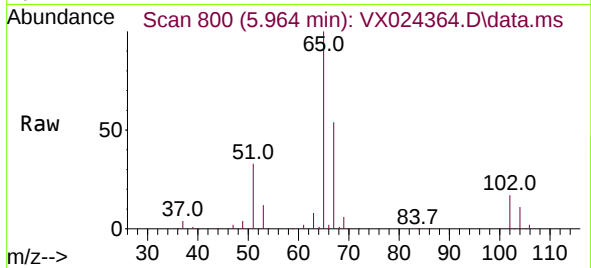




#33
1,2-Dichloroethane-d4
Concen: 52.569 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

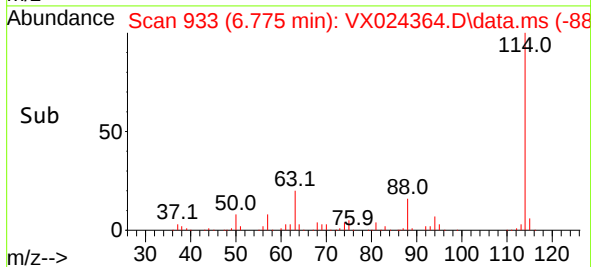
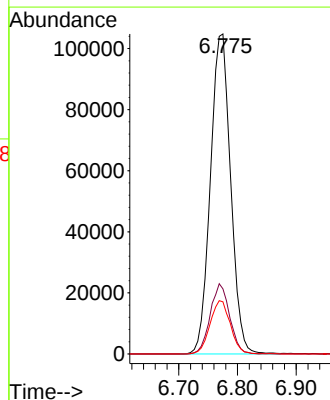
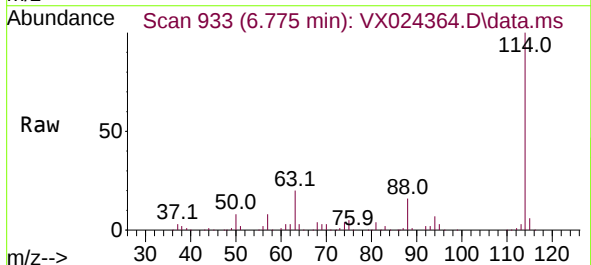
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

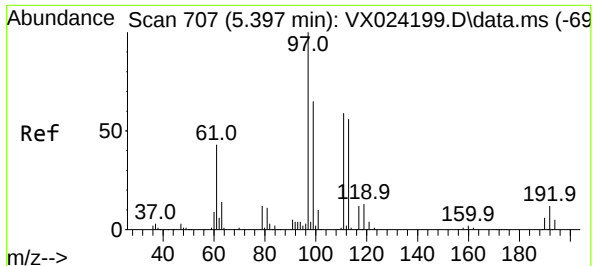
Tgt Ion: 65 Resp: 107501
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion:114 Resp: 250453
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.152 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024364.D

Acq: 20 Sep 2021 20:24

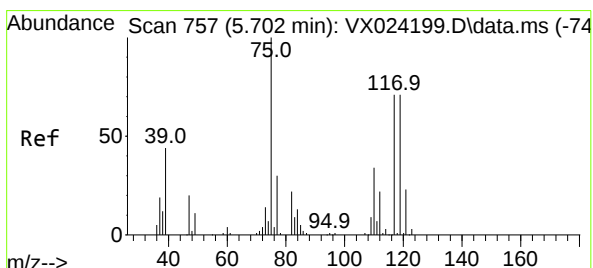
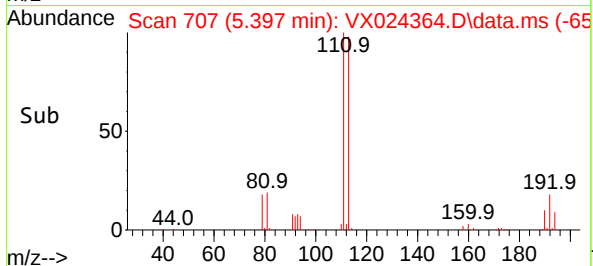
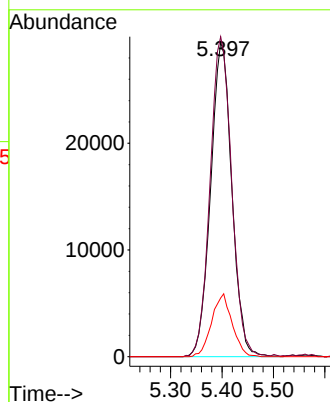
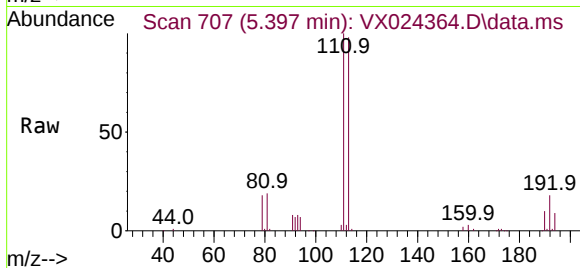
Tgt Ion:113 Resp: 84237

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 19.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024364.D

Acq: 20 Sep 2021 20:24

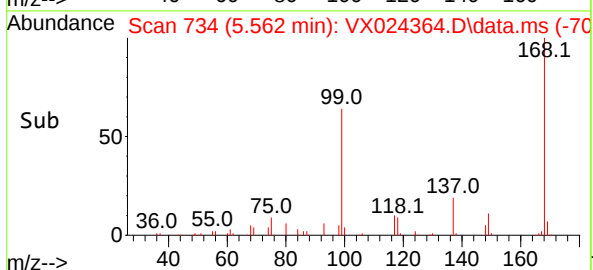
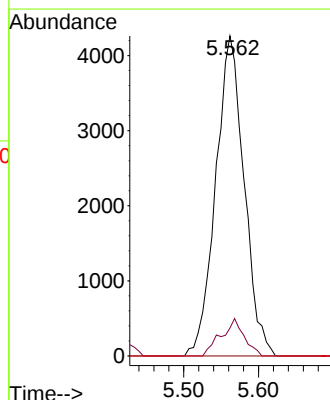
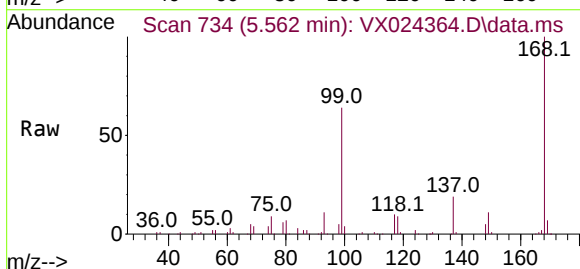
Tgt Ion: 75 Resp: 11267

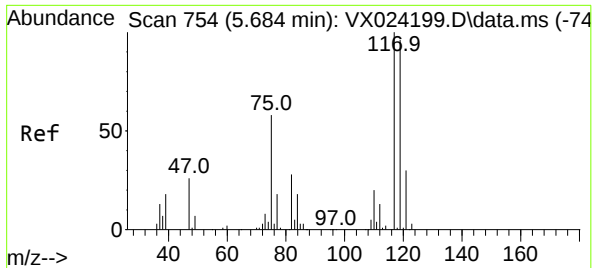
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

77 0.0 25.3 37.9#

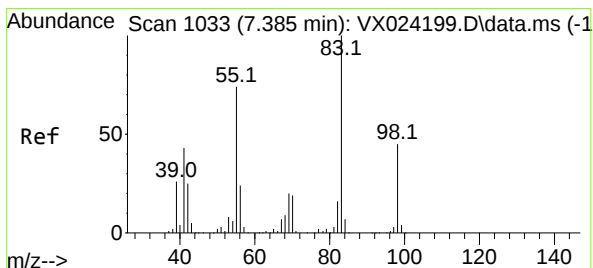
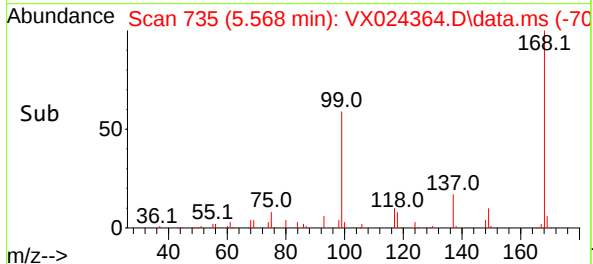
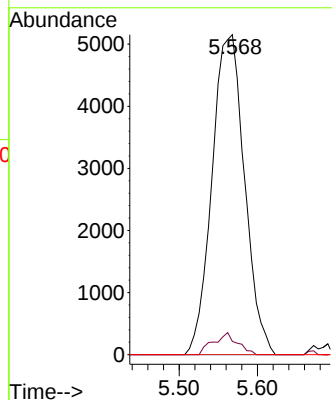
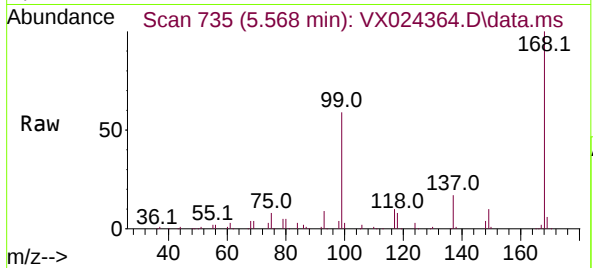




#38
Carbon Tetrachloride
Concen: 5.741 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

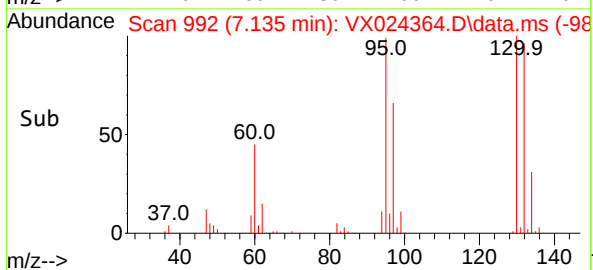
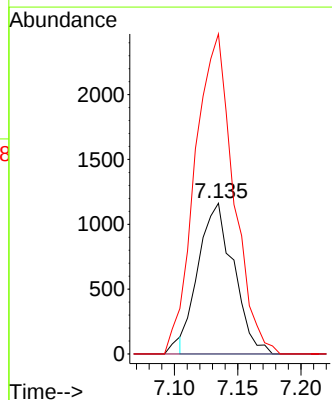
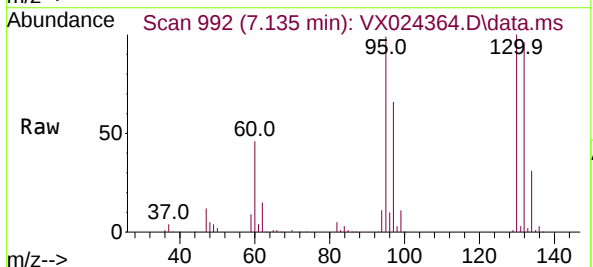
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

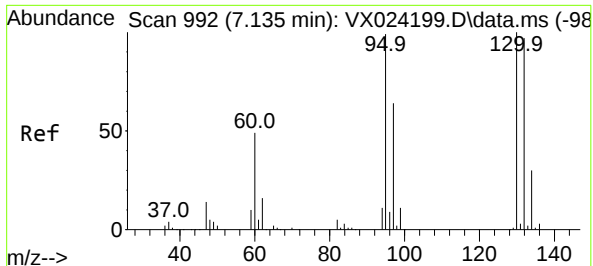
Tgt Ion:117 Resp: 14878
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.819 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion: 83 Resp: 2252
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 212.2 38.1 57.1#

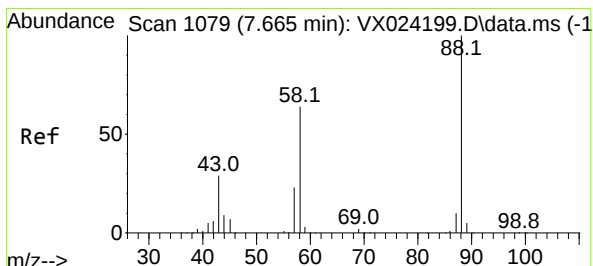
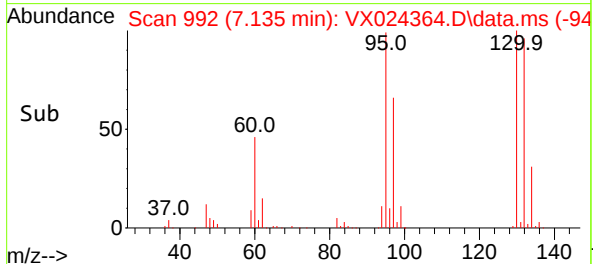
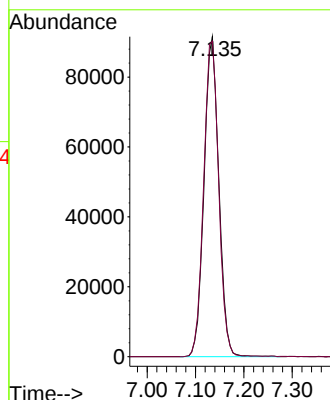
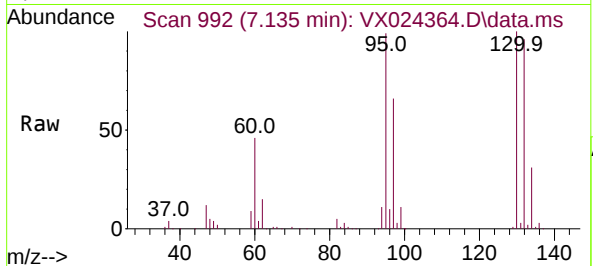




#44
Trichloroethene
Concen: 104.623 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

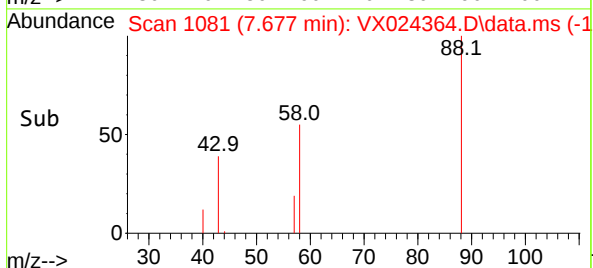
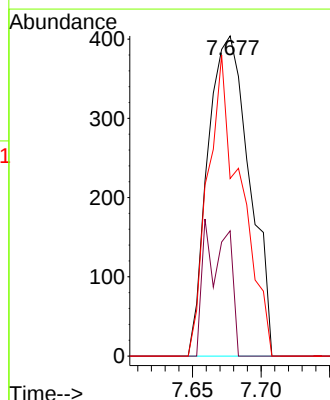
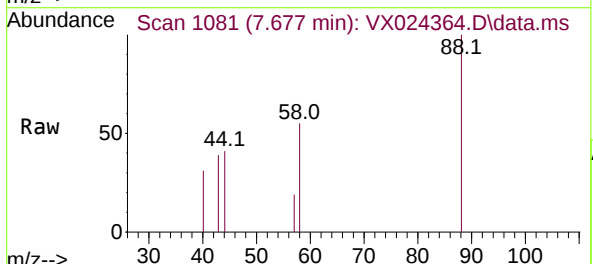
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

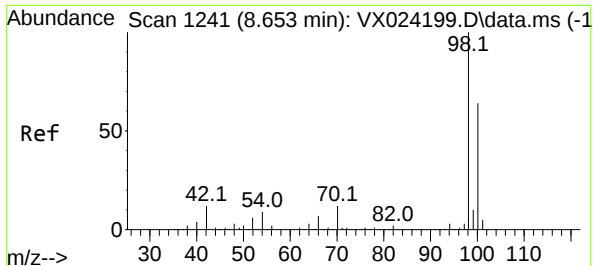
Tgt Ion:130 Resp: 194140
Ion Ratio Lower Upper
130 100
95 98.6 0.0 198.0



#49
1,4-Dioxane
Concen: 19.116 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion: 88 Resp: 853
Ion Ratio Lower Upper
88 100
43 24.2 23.2 34.8
58 74.8 55.0 82.4





#50

Toluene-d8

Concen: 51.153 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024364.D

Acq: 20 Sep 2021 20:24

Instrument :

MSVOA_X

ClientSampleId :

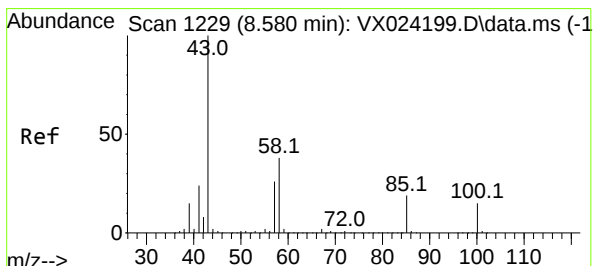
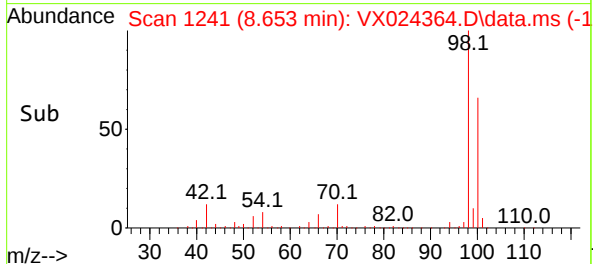
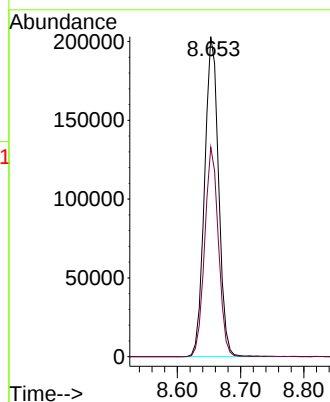
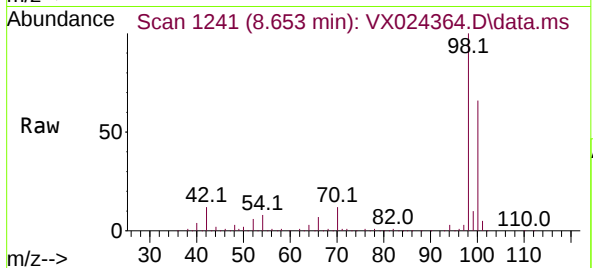
RE132D3-20210914

Tgt Ion: 98 Resp: 312996

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX024364.D

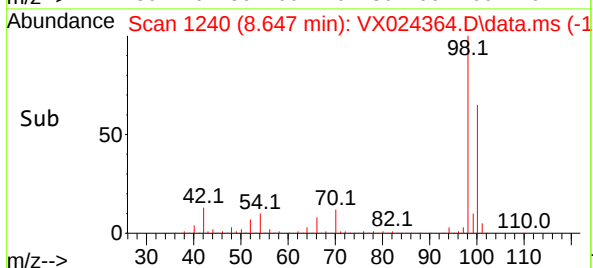
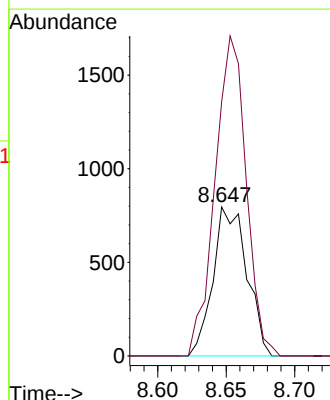
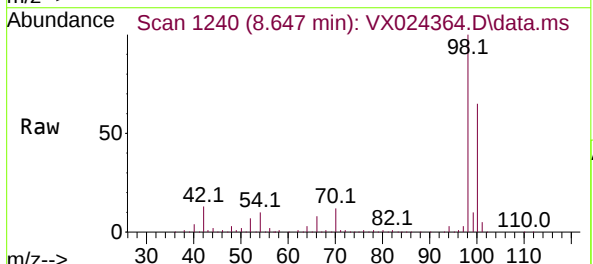
Acq: 20 Sep 2021 20:24

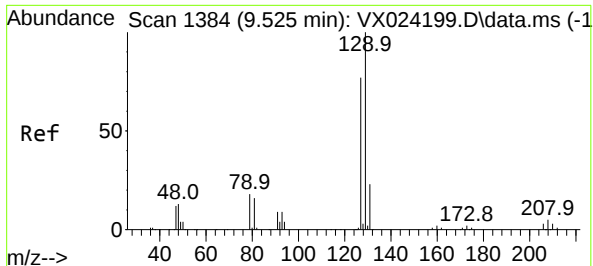
Tgt Ion: 43 Resp: 1369

Ion Ratio Lower Upper

43 100

58 197.4 35.4 53.0#

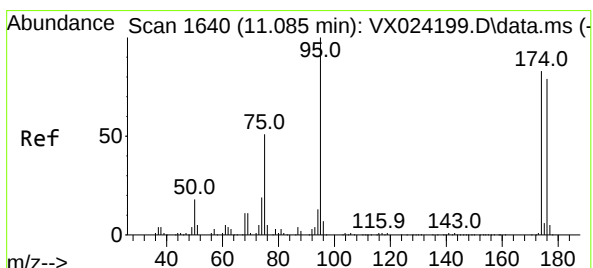
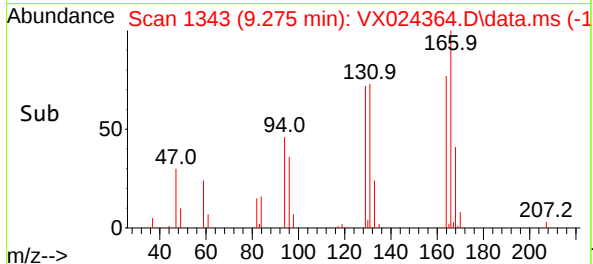
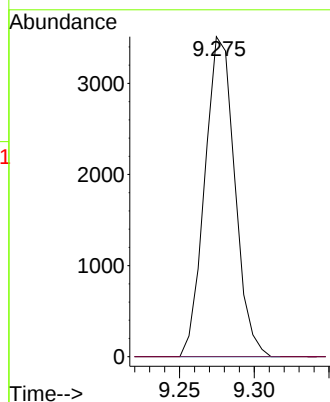
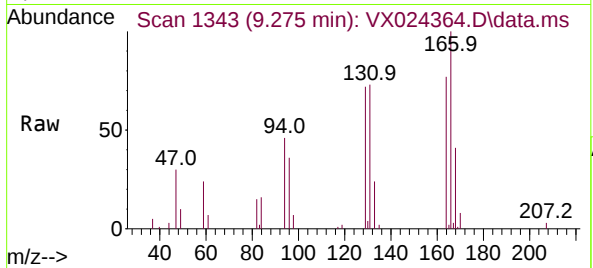




#60
Dibromochloromethane
Concen: 3.989 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

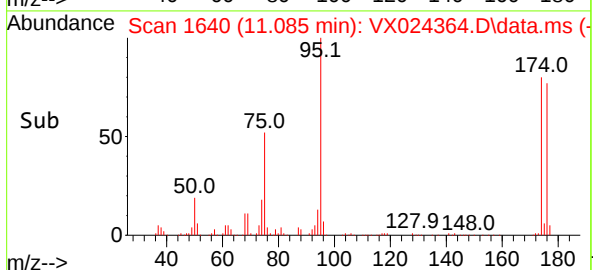
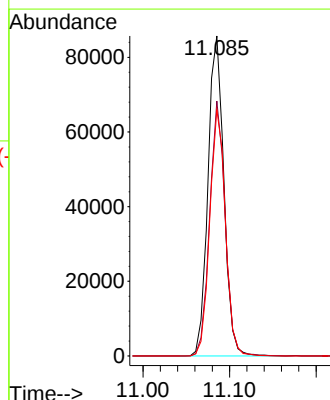
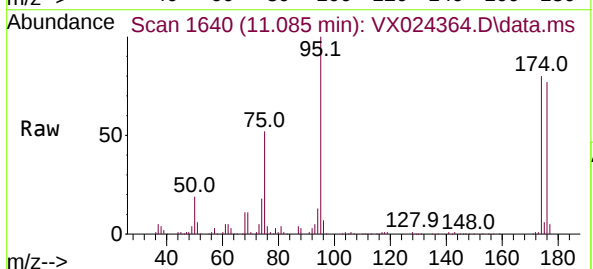
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

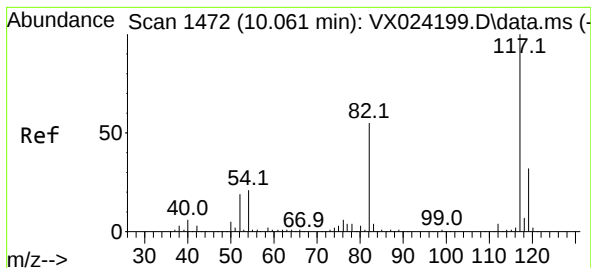
Tgt Ion:129 Resp: 4899
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.909 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion: 95 Resp: 109322
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 75.6 0.0 155.8

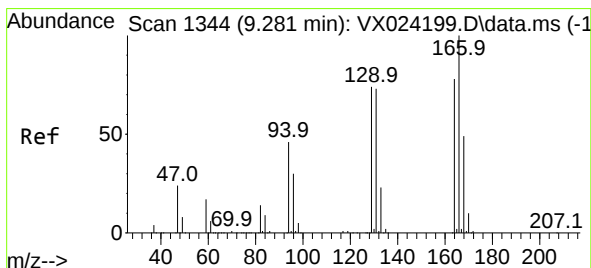
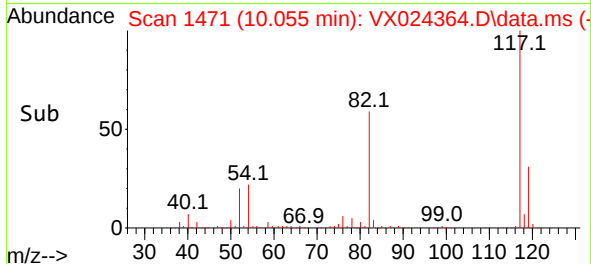
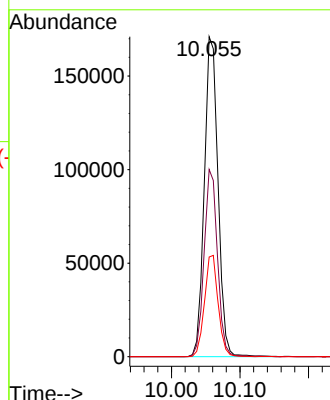
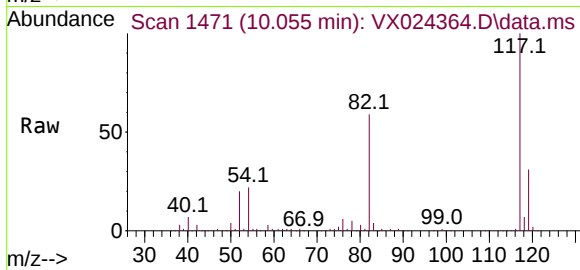




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

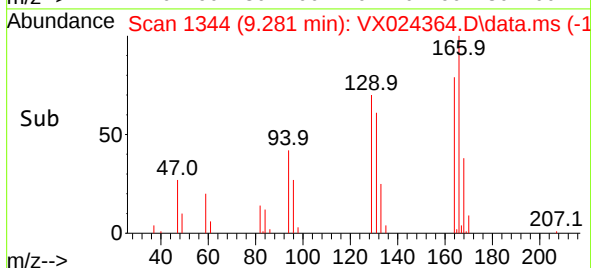
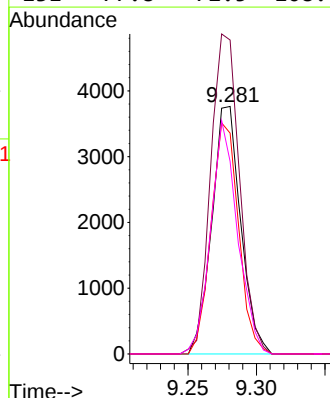
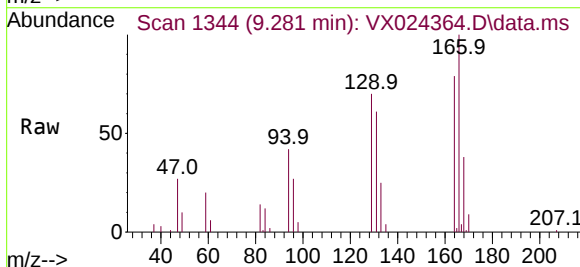
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

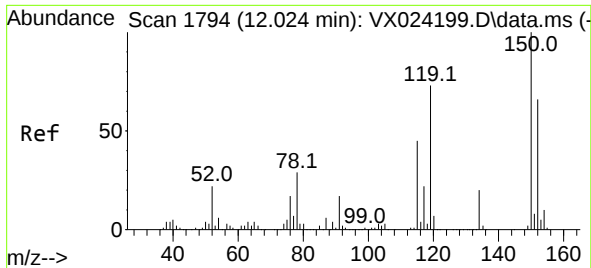
Tgt Ion:117 Resp: 238007
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.2 26.6 39.8



#64
Tetrachloroethene
Concen: 2.991 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024364.D
Acq: 20 Sep 2021 20:24

Tgt Ion:164 Resp: 5514
Ion Ratio Lower Upper
164 100
166 126.8 103.4 155.2
129 89.2 70.8 106.2
131 77.8 72.5 108.7

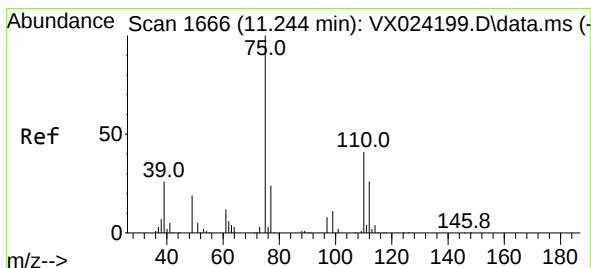
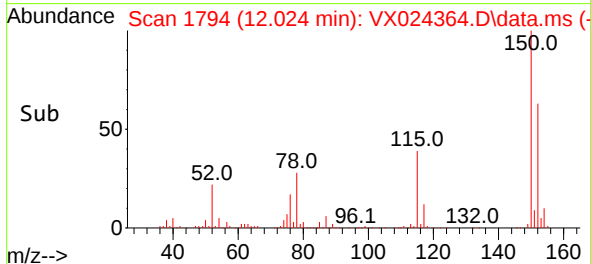
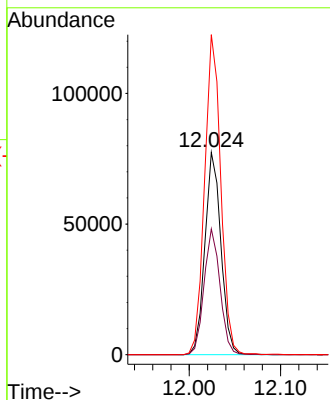
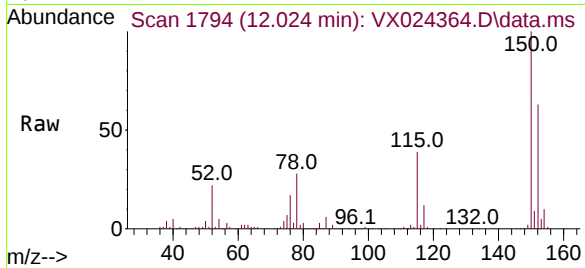




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024364.D
 Acq: 20 Sep 2021 20:24

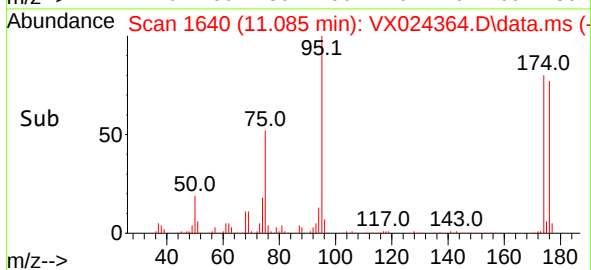
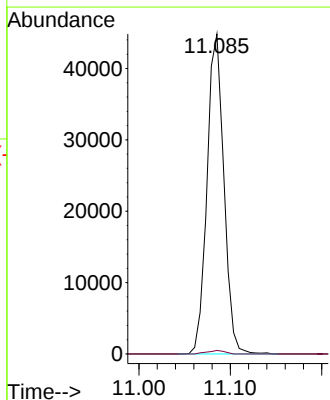
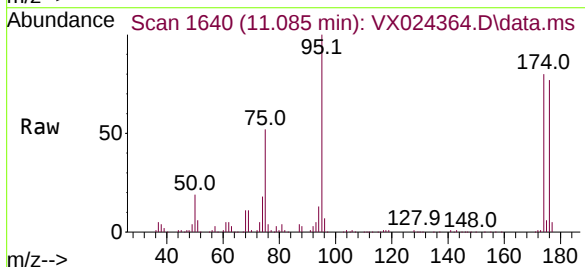
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20210914

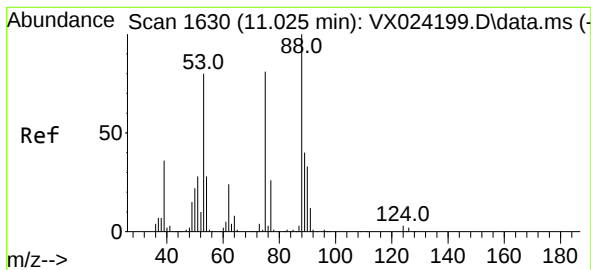
Tgt Ion:152 Resp: 94040
 Ion Ratio Lower Upper
 152 100
 115 61.9 41.1 123.3
 150 159.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.480 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024364.D
 Acq: 20 Sep 2021 20:24

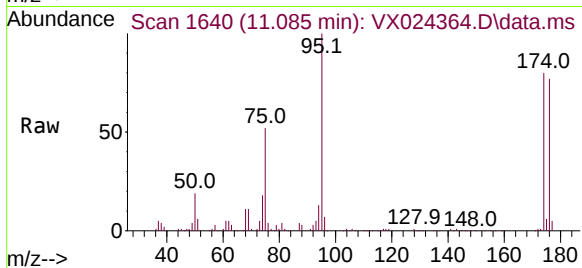
Tgt Ion: 75 Resp: 57260
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.879 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX024364.D
 Acq: 20 Sep 2021 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20210914



Tgt Ion: 75 Resp: 57260
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

