

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
 Data File : VX024372.D
 Acq On : 21 Sep 2021 01:06
 Operator : JC/MD
 Sample : M3782-04DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20210914DL

Quant Time: Sep 21 08:45:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

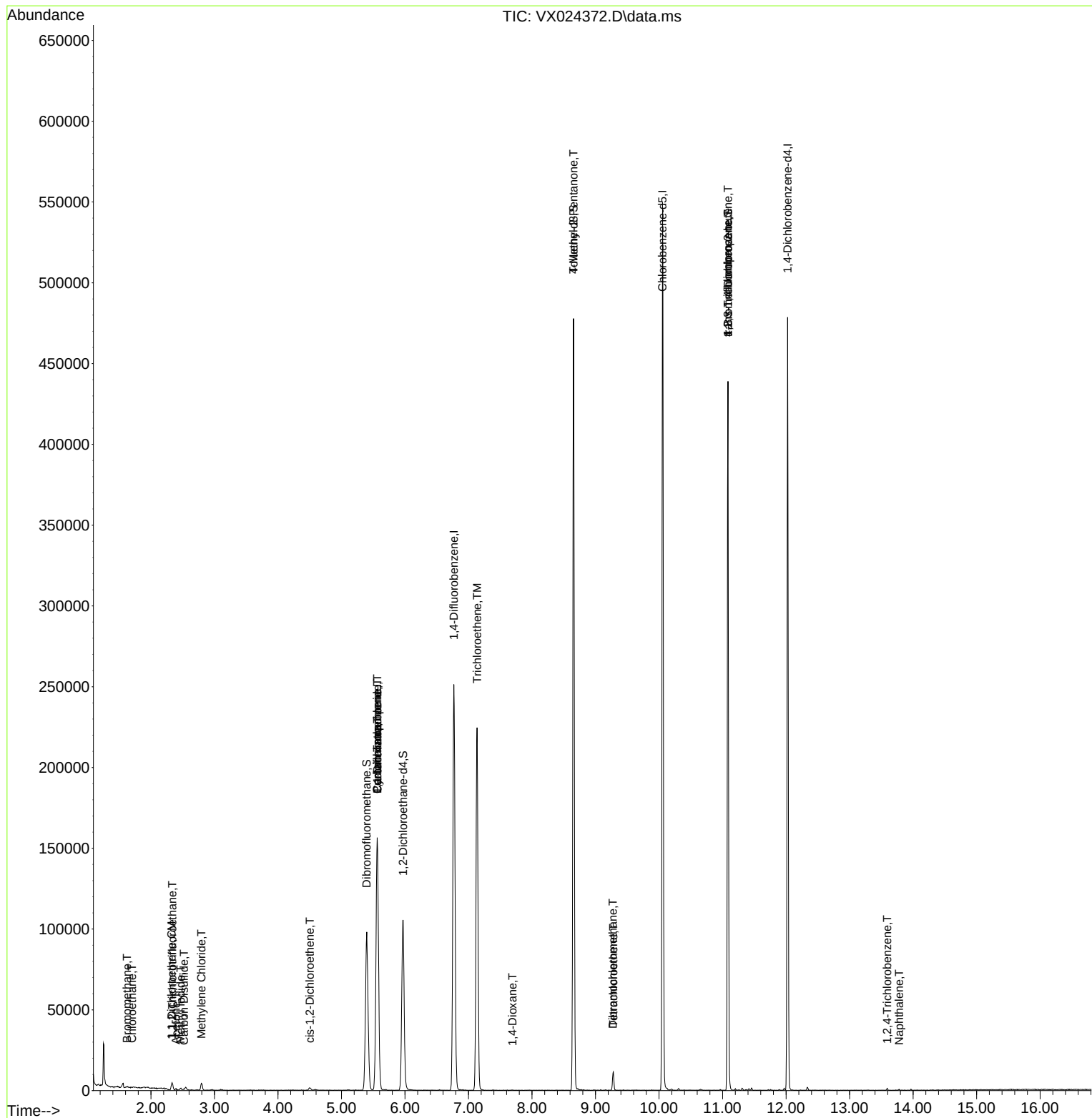
Internal Standards						
1) Pentafluorobenzene	5.562	168	144837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	255369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	106961	51.789	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.580%
35) Dibromofluoromethane	5.397	113	81805	47.766	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	8.653	98	269902	43.261	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	86.520%#
62) 4-Bromofluorobenzene	11.085	95	112536	46.349	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.700%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	495	0.575	ug/l	94
6) Chloroethane	1.703	64	130	2.108	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	1566	1.098	ug/l	93
10) Methyl Iodide	2.465	142	1213	0.615	ug/l #	77
11) Tert butyl alcohol	2.971	59	167	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	330	0.247	ug/l #	87
16) Acetone	2.392	43	793	0.900	ug/l #	83
17) Carbon Disulfide	2.520	76	821	0.245	ug/l #	75
20) Methylene Chloride	2.794	84	2002	1.184	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	969	0.574	ug/l	98
31) Cyclohexane	5.562	56	3291	1.362	ug/l #	38
36) 1,1-Dichloropropene	5.562	75	11524	4.908	ug/l #	48
38) Carbon Tetrachloride	5.562	117	15594	5.901	ug/l #	16
44) Trichloroethene	7.135	130	85492	45.185	ug/l	98
49) 1,4-Dioxane	7.690	88	151	3.319	ug/l #	62
51) 4-Methyl-2-Pentanone	8.653	43	1300	0.468	ug/l #	1
60) Dibromochloromethane	9.275	129	2030	2.646	ug/l #	11
64) Tetrachloroethene	9.281	164	2085	1.086	ug/l	87
76) 1,2,3-Trichloropropane	11.085	75	59536	27.336	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59536	80.396	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	473	0.258	ug/l	81
95) Naphthalene	13.780	128	488	1.357	ug/l #	79

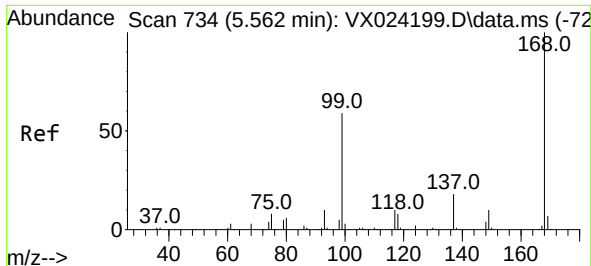
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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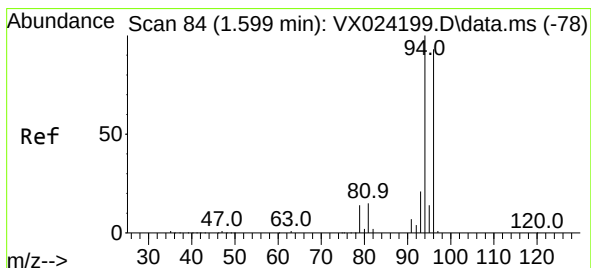
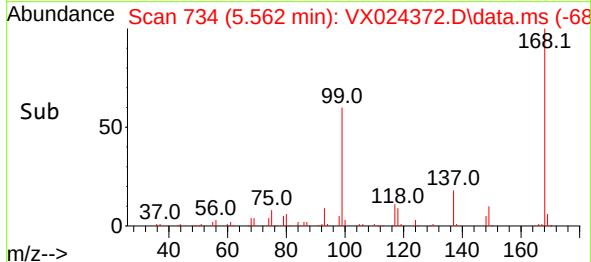
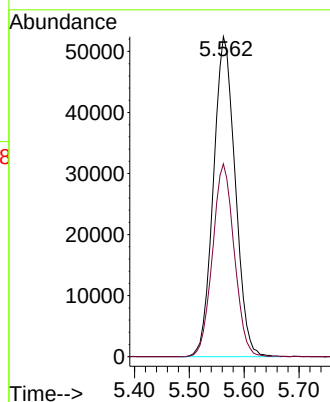
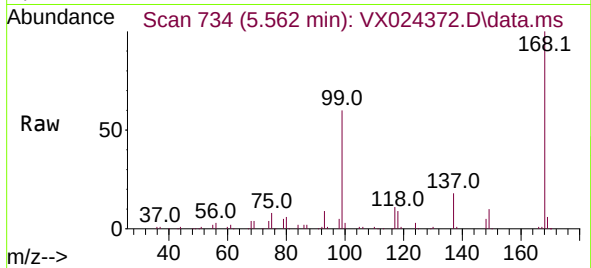




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

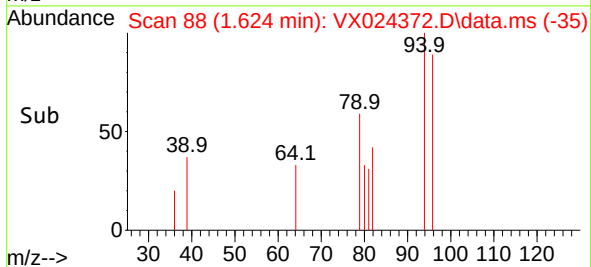
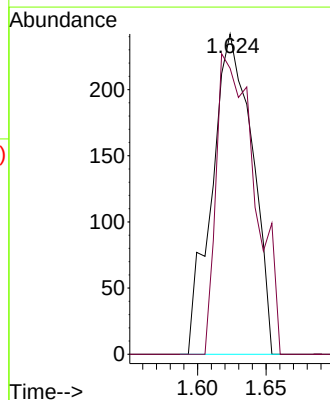
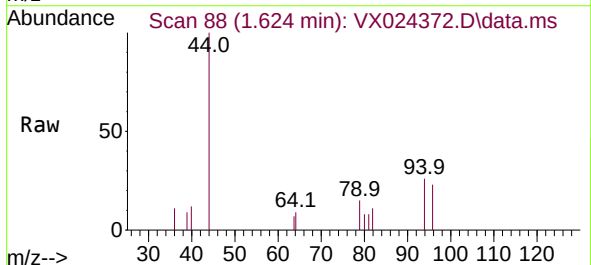
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

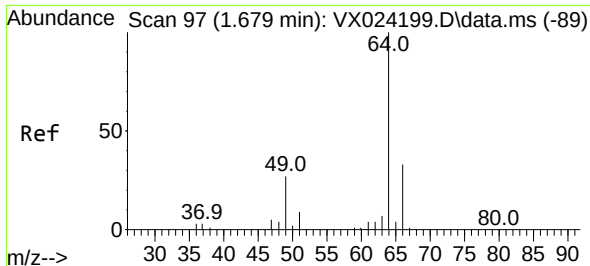
Tgt Ion:168 Resp: 144837
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#5
Bromomethane
Concen: 0.575 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion: 94 Resp: 495
Ion Ratio Lower Upper
94 100
96 89.3 76.4 114.6

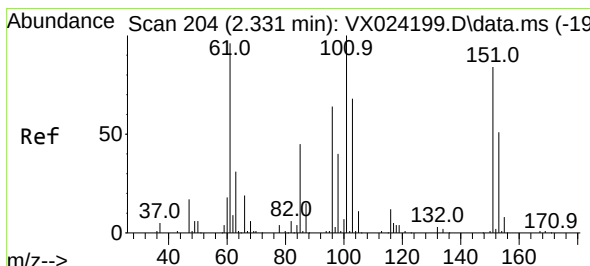
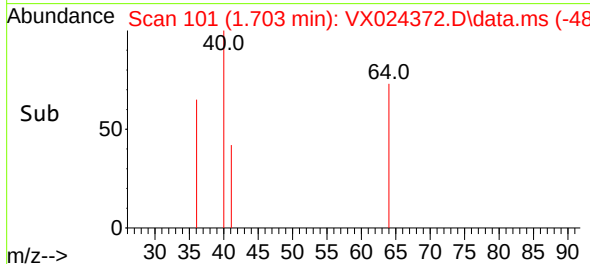
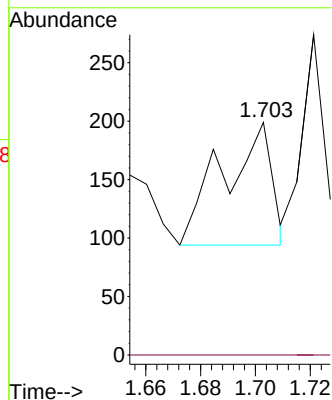
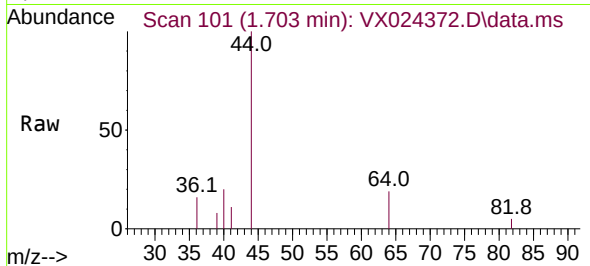




#6
Chloroethane
Concen: 2.108 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

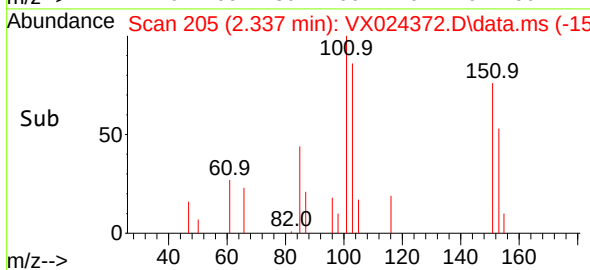
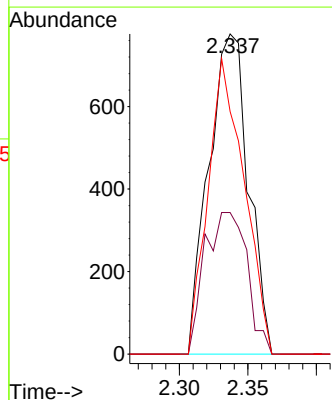
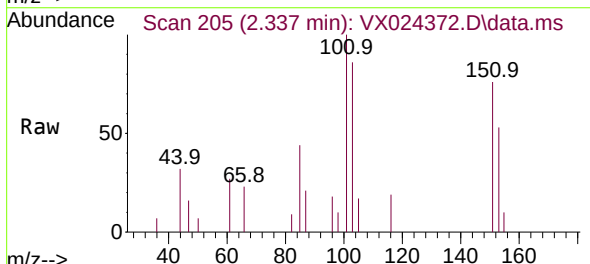
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

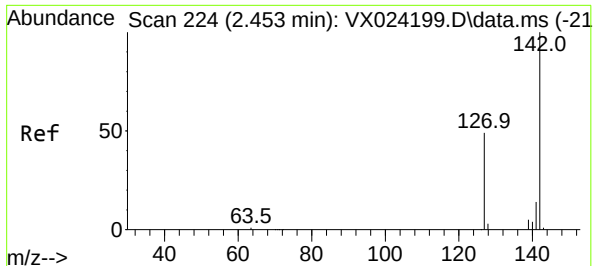
Tgt Ion: 64 Resp: 130
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.098 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion: 101 Resp: 1566
Ion Ratio Lower Upper
101 100
85 47.0 34.9 52.3
151 84.1 61.4 92.2

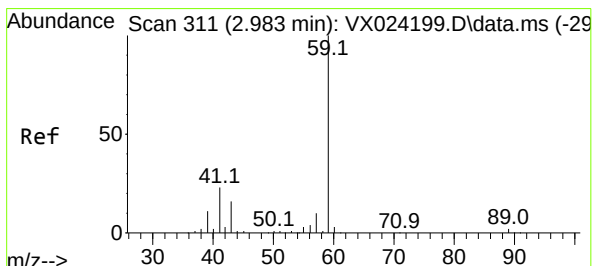
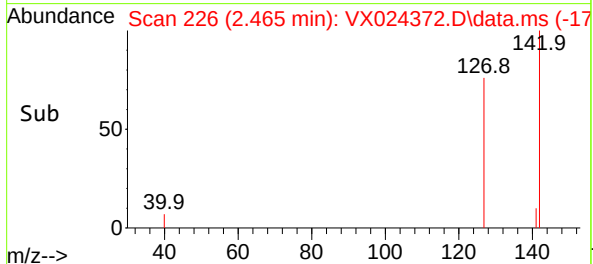
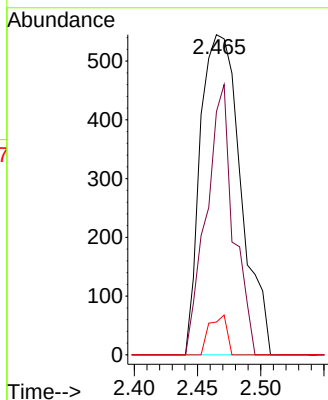
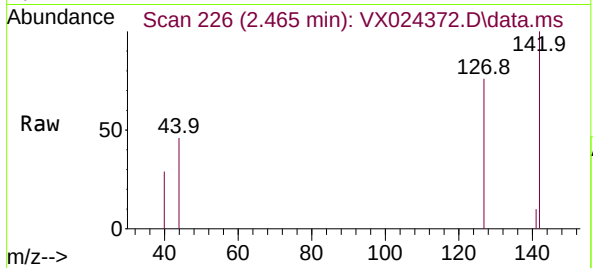




#10
Methyl Iodide
Concen: 0.615 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

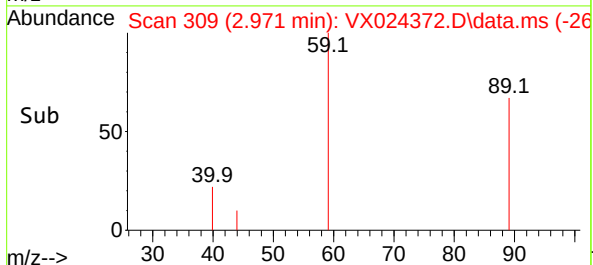
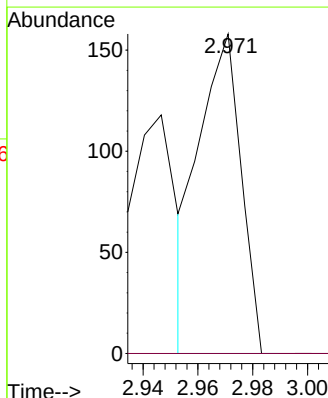
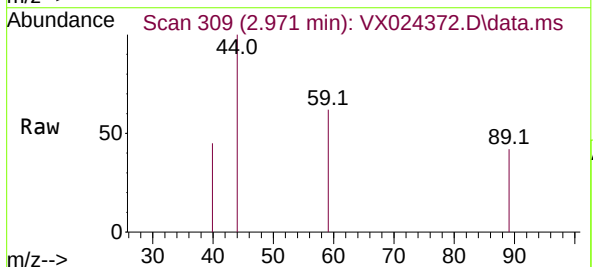
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

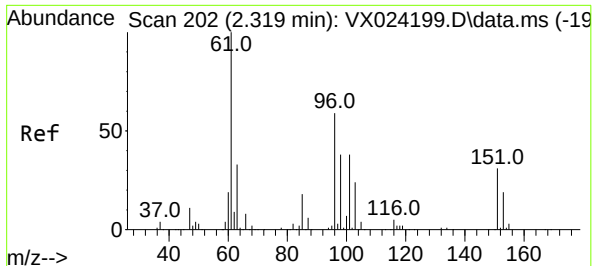
Tgt Ion:142 Resp: 1213
Ion Ratio Lower Upper
142 100
127 56.6 33.3 49.9#
141 5.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion: 59 Resp: 167
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.247 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

Tgt Ion: 96 Resp: 330

Ion Ratio Lower Upper

96 100

61 152.7 124.6 187.0

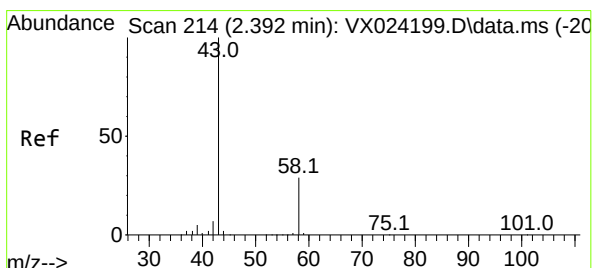
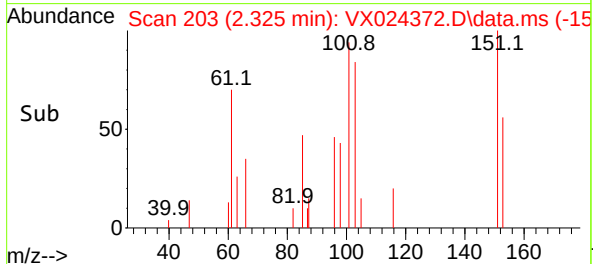
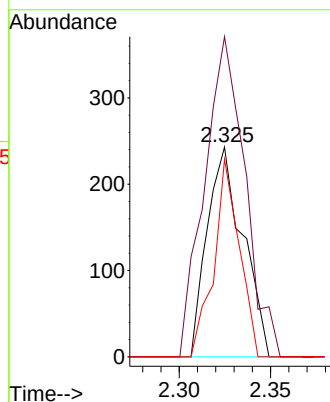
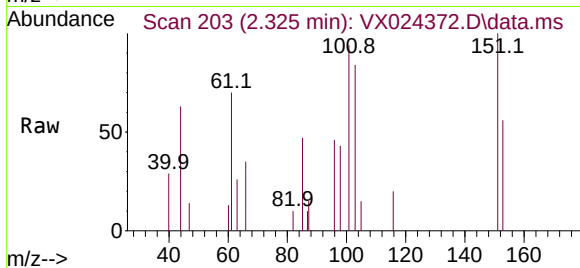
98 94.2 50.6 76.0#

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20210914DL



#16

Acetone

Concen: 0.900 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX024372.D

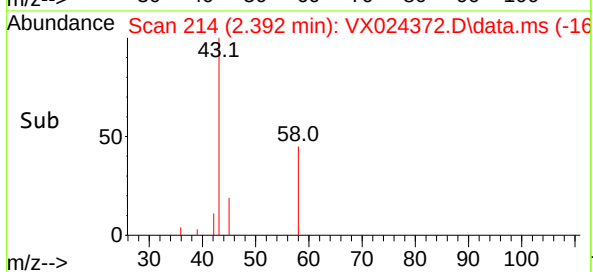
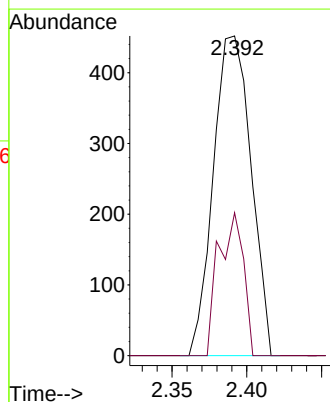
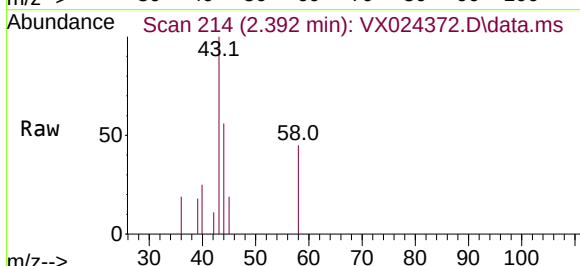
Acq: 21 Sep 2021 01:06

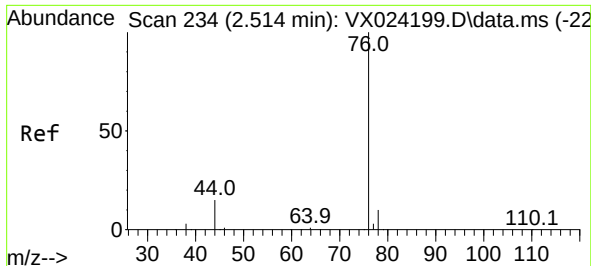
Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

58 44.7 27.8 41.8#

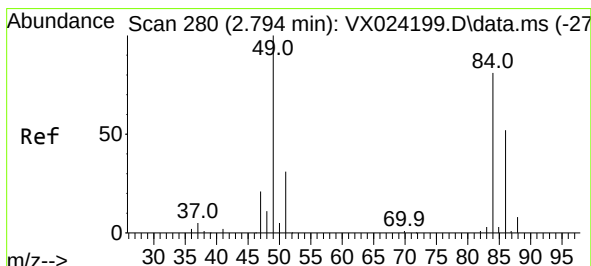
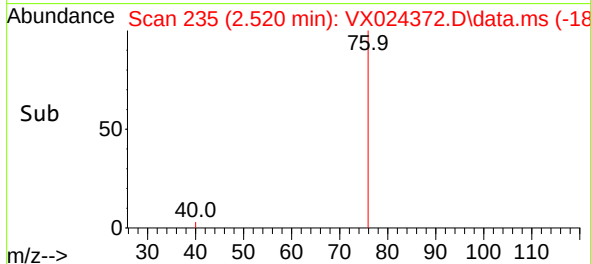
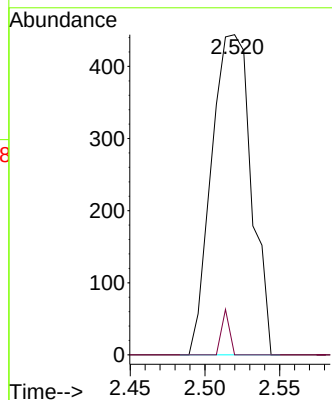
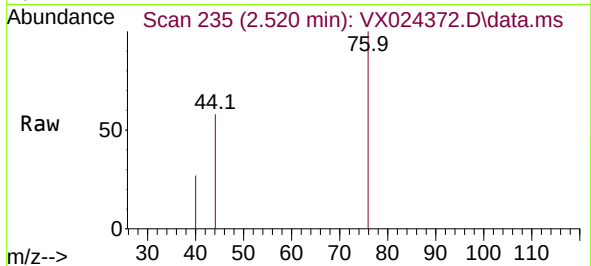




#17
Carbon Disulfide
Concen: 0.245 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

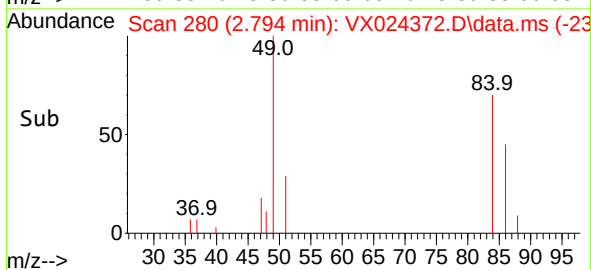
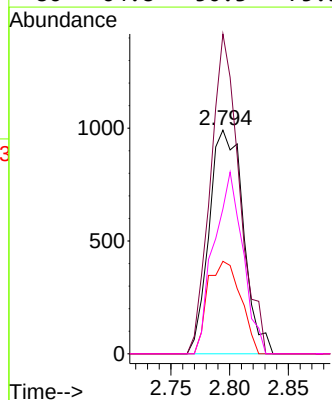
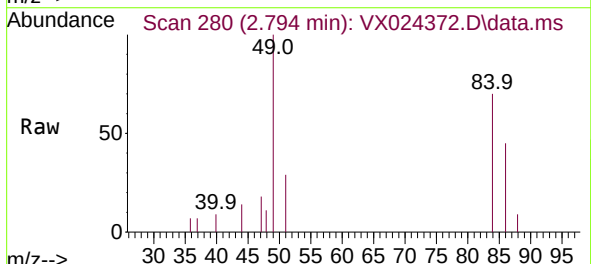
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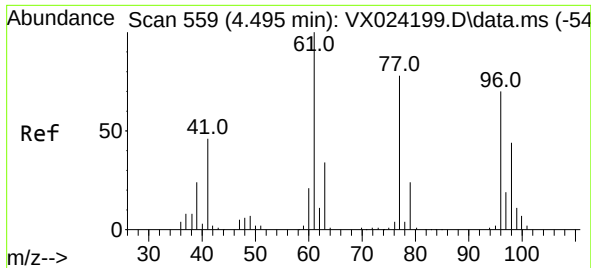
Tgt Ion: 76 Resp: 821
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 1.184 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion: 84 Resp: 2002
Ion Ratio Lower Upper
84 100
49 142.9 88.6 132.8#
51 41.3 27.0 40.6#
86 64.8 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 0.574 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

Tgt Ion: 96 Resp: 969

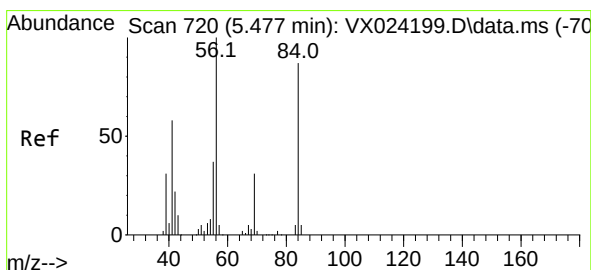
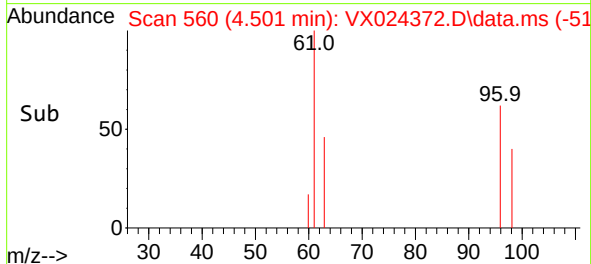
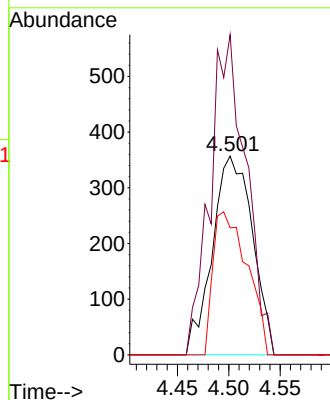
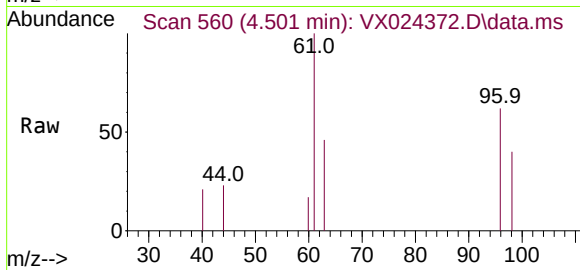
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	285.6
98	61.3	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

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#31

Cyclohexane

Concen: 1.362 ug/l

RT: 5.562 min Scan# 734

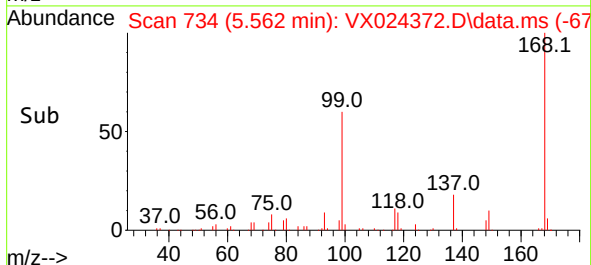
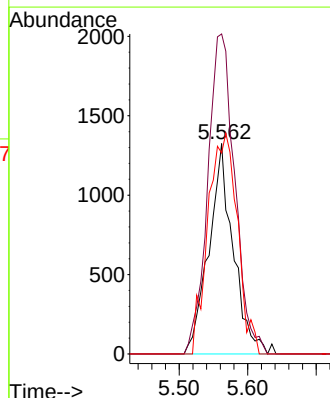
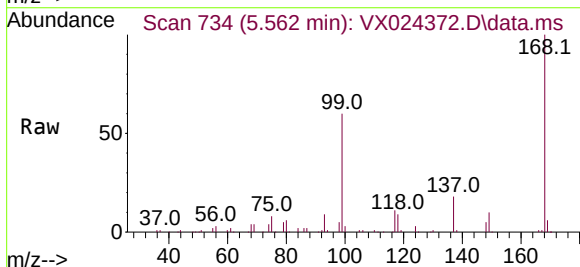
Delta R.T. 0.085 min

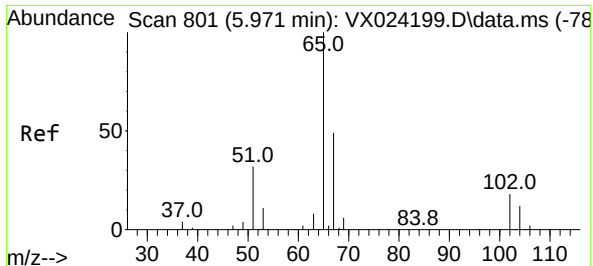
Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

Tgt Ion: 56 Resp: 3291

Ion	Ratio	Lower	Upper
56	100		
69	152.1	25.3	37.9#
84	95.5	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 51.789 ug/l

RT: 5.970 min Scan# 801

Delta R.T. -0.001 min

Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

Tgt Ion: 65 Resp: 106961

Ion Ratio Lower Upper

65 100

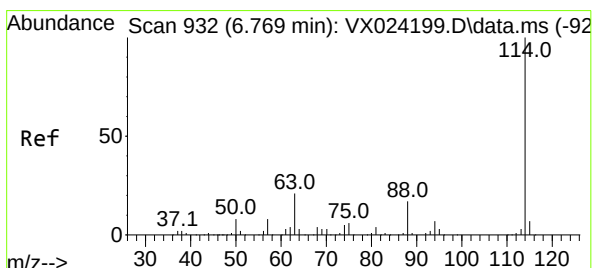
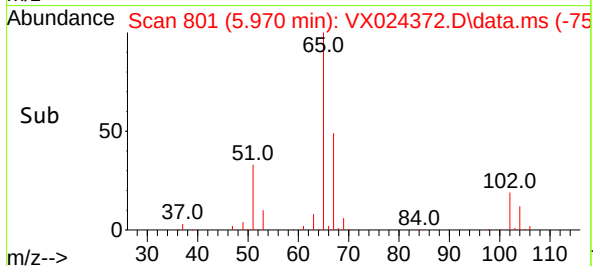
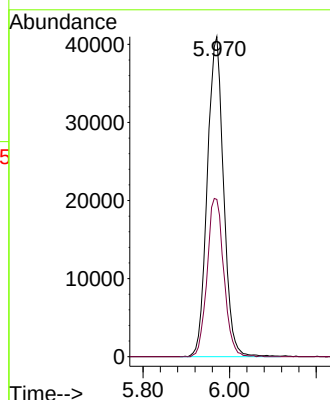
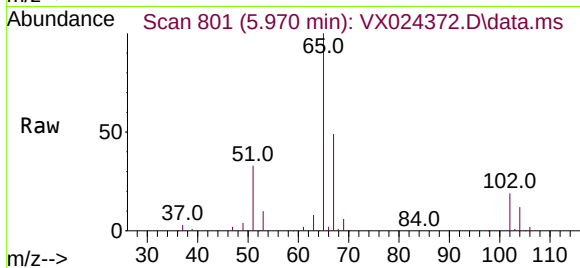
67 50.7 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20210914DL



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

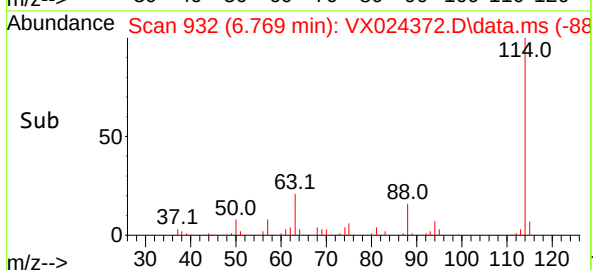
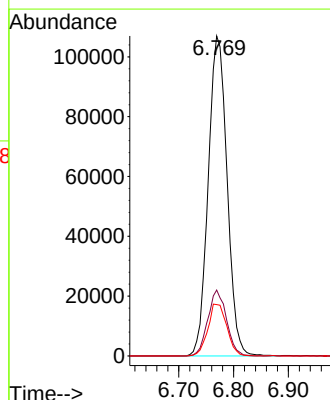
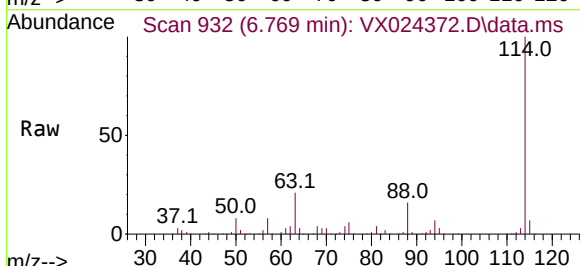
Tgt Ion: 114 Resp: 255369

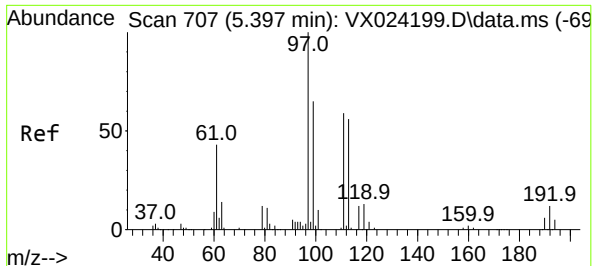
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.766 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

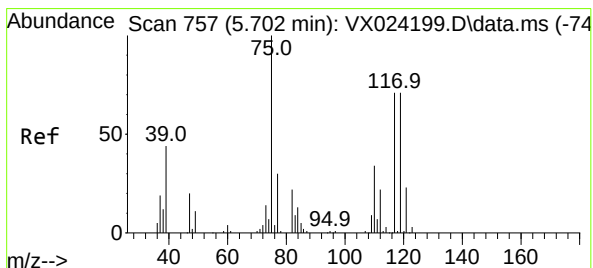
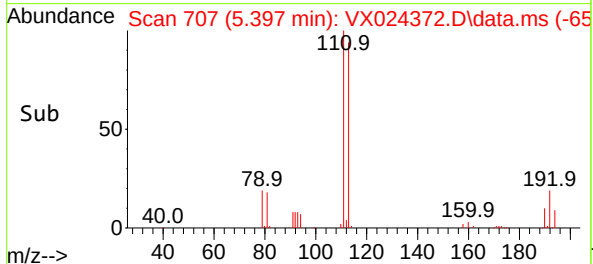
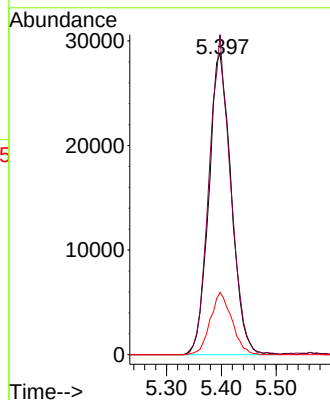
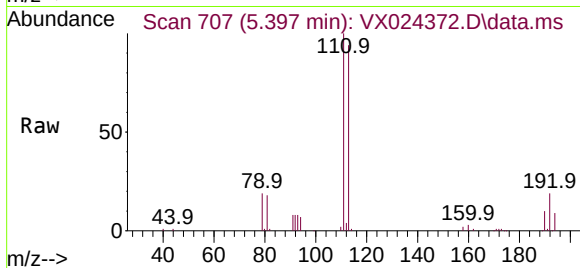
Tgt Ion:	113	Resp:	81805
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	19.9	16.7	25.1

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20210914DL



#36

1,1-Dichloropropene

Concen: 4.908 ug/l

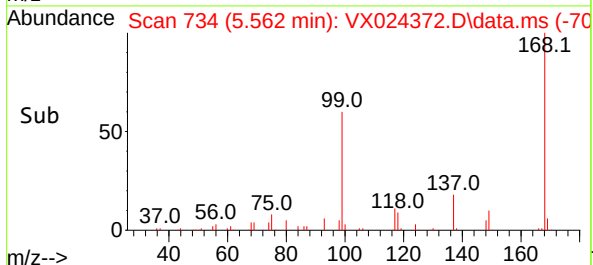
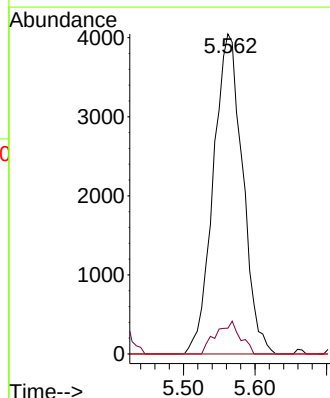
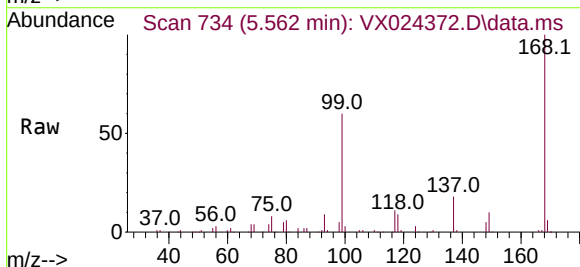
RT: 5.562 min Scan# 734

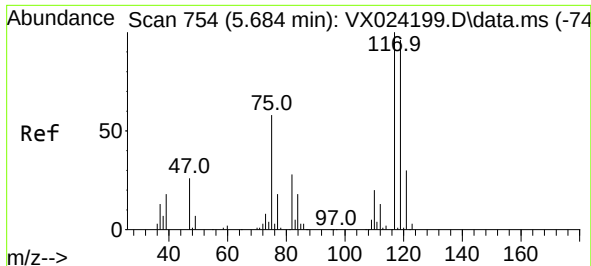
Delta R.T. -0.140 min

Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

Tgt Ion:	75	Resp:	11524
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.4#
77	0.0	25.3	37.9#

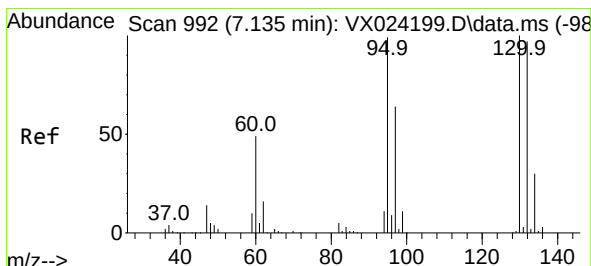
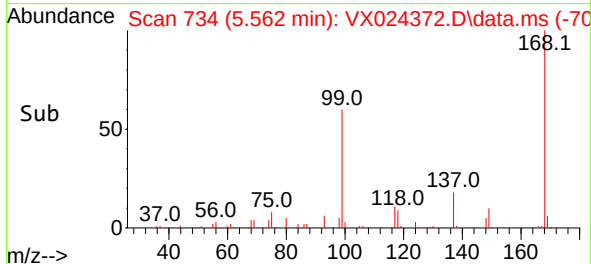
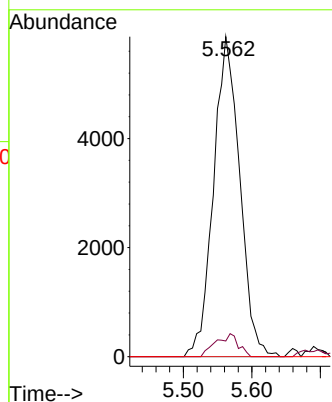
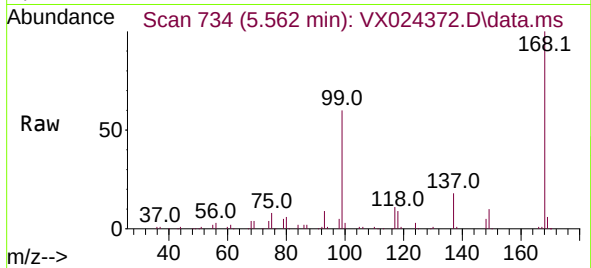




#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

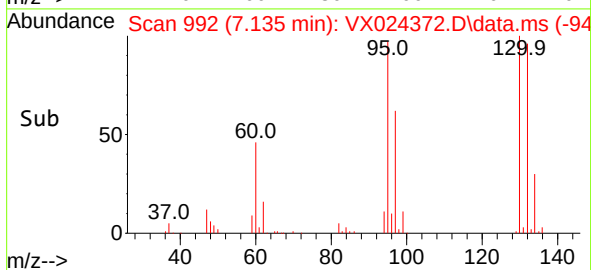
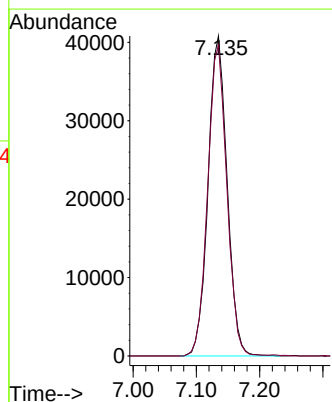
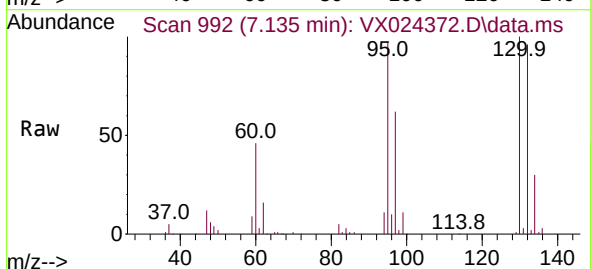
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

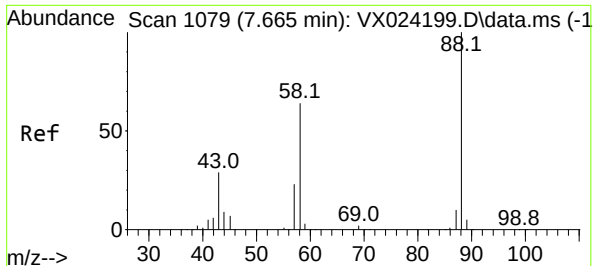
Tgt Ion:117 Resp: 15594
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 45.185 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion:130 Resp: 85492
Ion Ratio Lower Upper
130 100
95 97.2 0.0 198.0





#49

1,4-Dioxane

Concen: 3.319 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.025 min

Lab File: VX024372.D

Acq: 21 Sep 2021 01:06

Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 37.1 23.2 34.8#

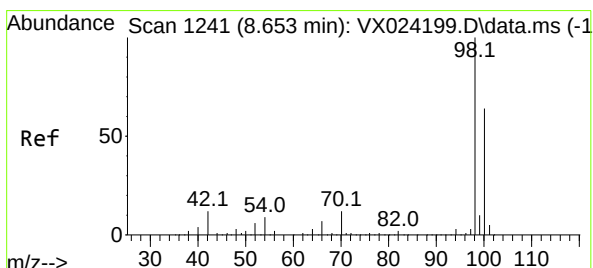
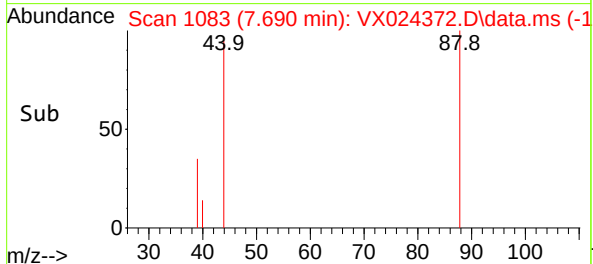
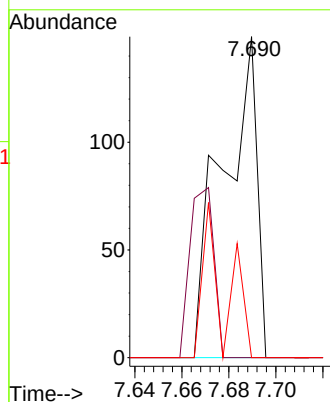
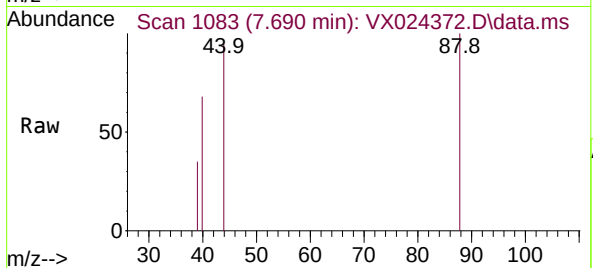
58 30.5 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20210914DL



#50

Toluene-d8

Concen: 43.261 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024372.D

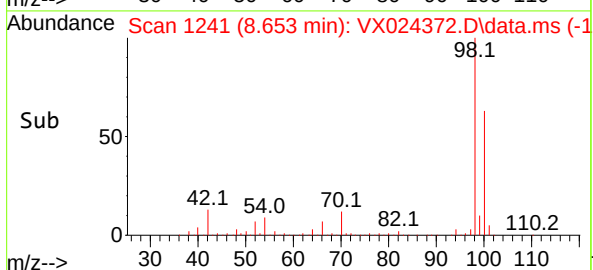
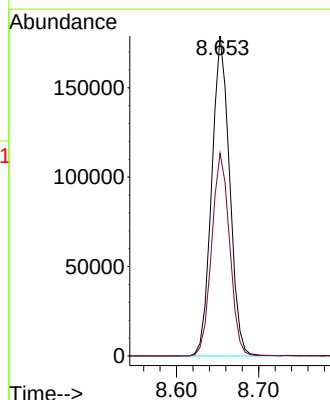
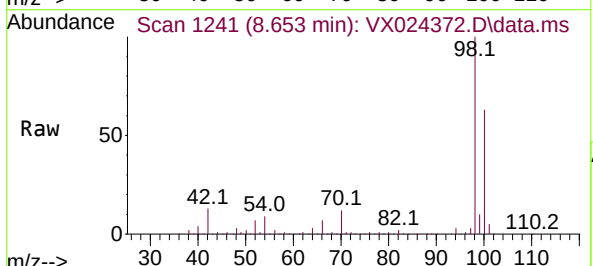
Acq: 21 Sep 2021 01:06

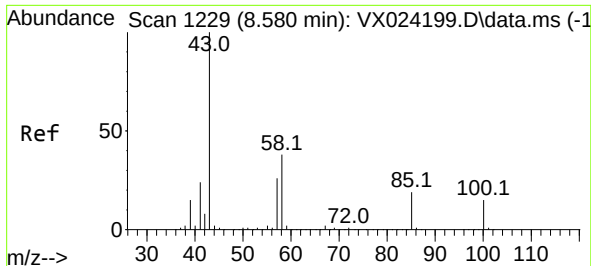
Tgt Ion: 98 Resp: 269902

Ion Ratio Lower Upper

98 100

100 63.7 51.9 77.9

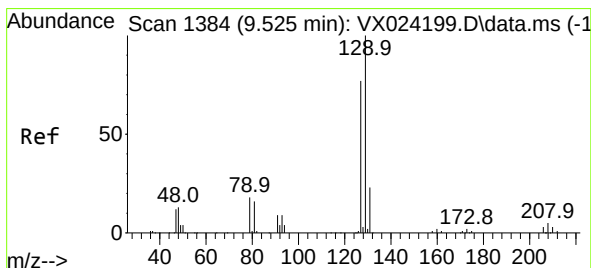
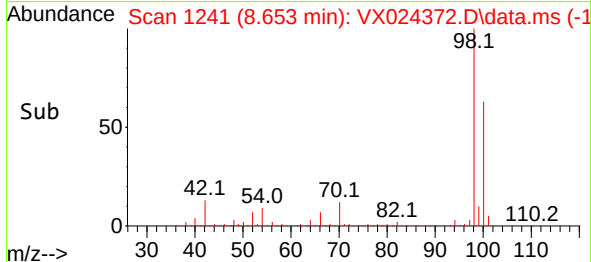
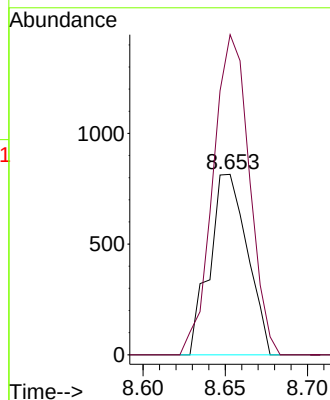
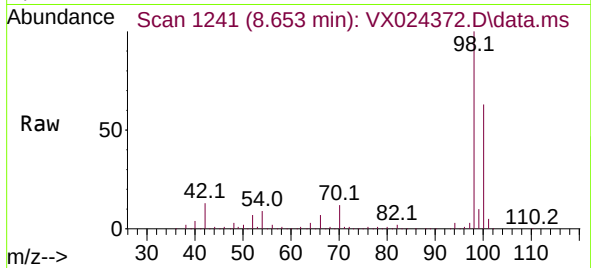




#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

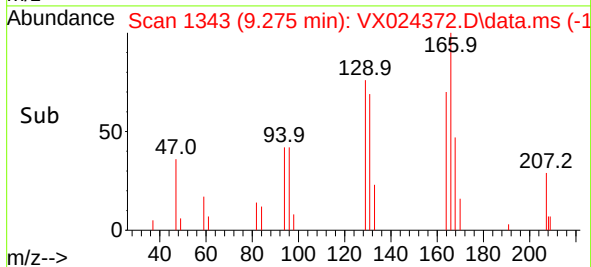
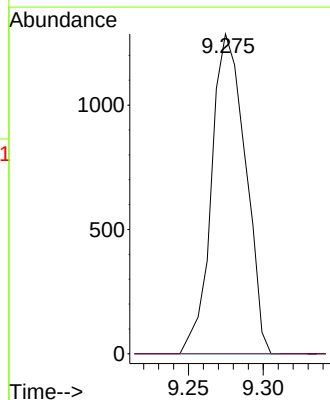
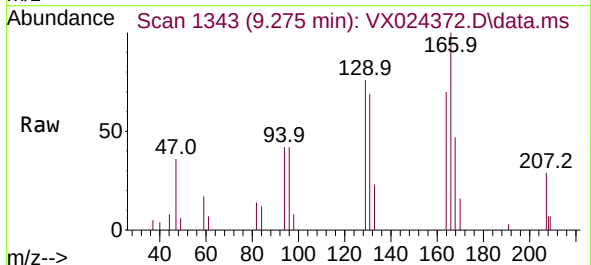
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

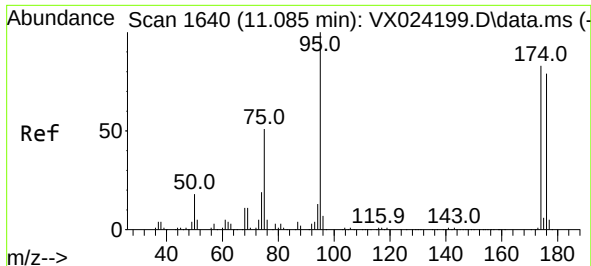
Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
58 171.0 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.646 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion: 129 Resp: 2030
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

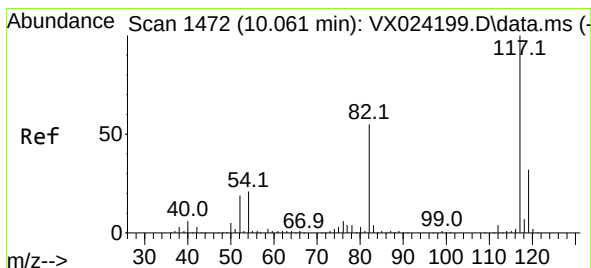
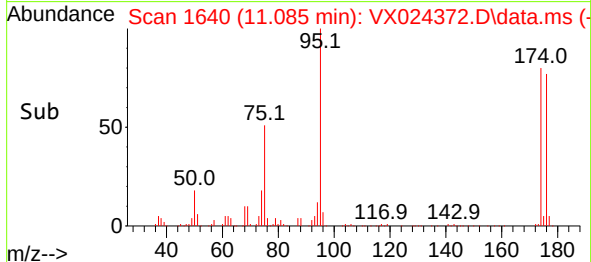
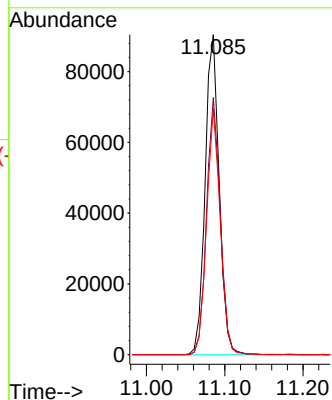
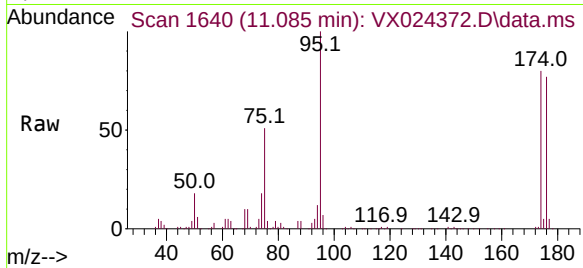




#62
4-Bromofluorobenzene
Concen: 46.349 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

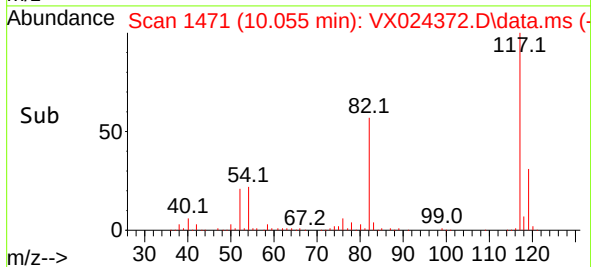
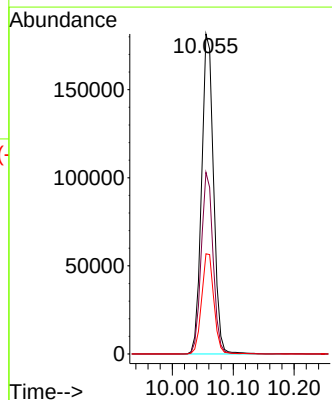
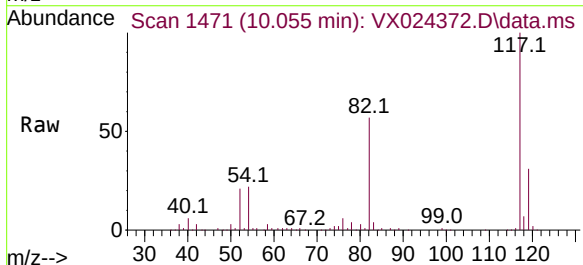
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

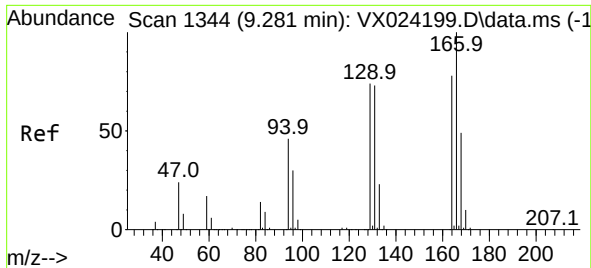
Tgt Ion: 95 Resp: 112536
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 74.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion: 117 Resp: 247842
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 31.3 26.6 39.8

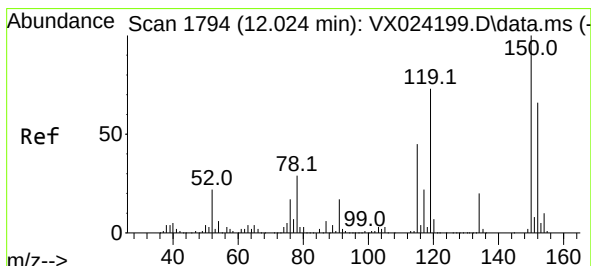
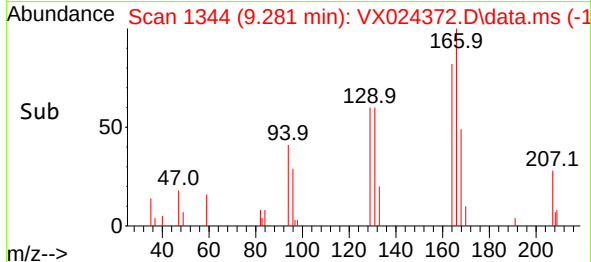
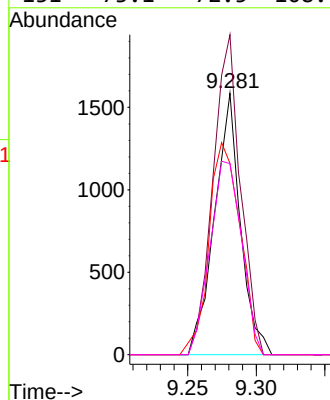
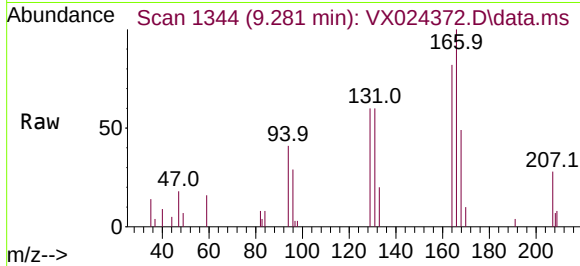




#64
Tetrachloroethene
Concen: 1.086 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

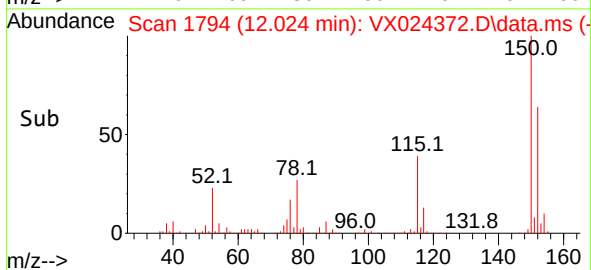
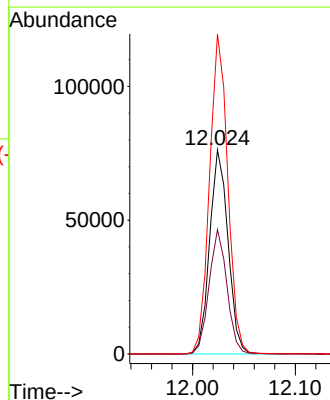
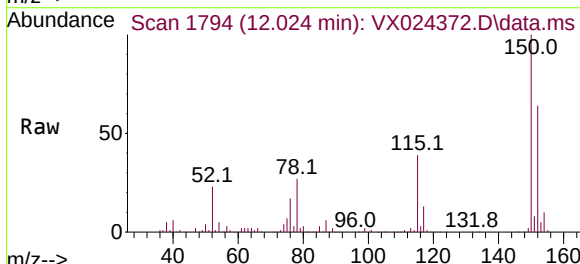
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

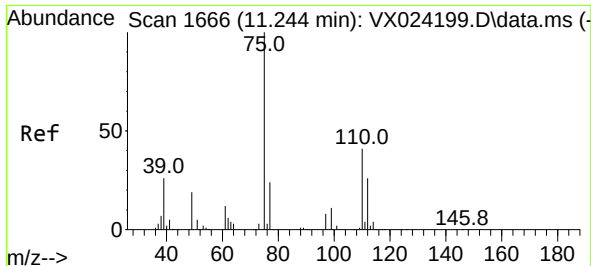
Tgt Ion:164	Resp:	2085
Ion Ratio	Lower	Upper
164	100	
166	122.4	103.4 155.2
129	73.2	70.8 106.2
131	73.1	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion:152	Resp:	94716
Ion Ratio	Lower	Upper
152	100	
115	59.4	41.1 123.3
150	155.3	0.0 349.0

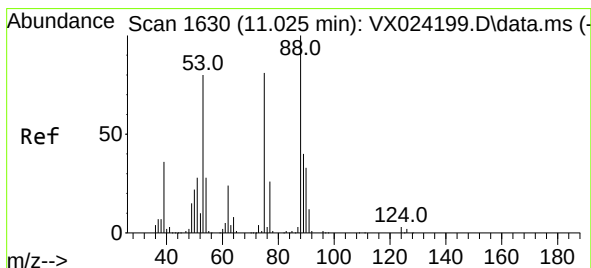
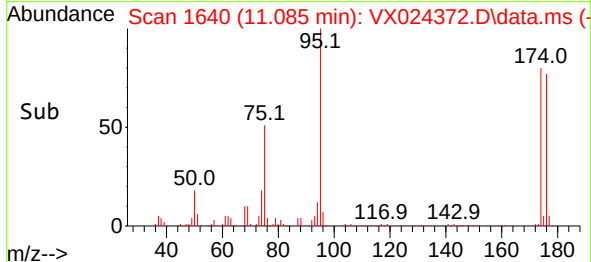
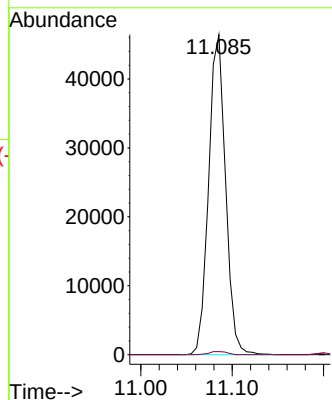
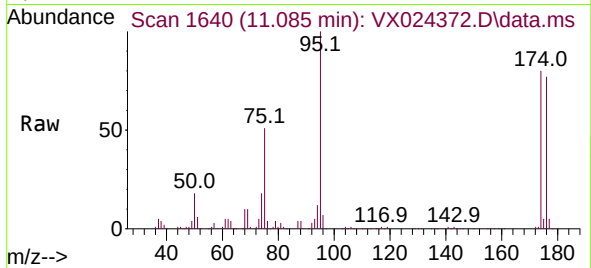




#76
1,2,3-Trichloropropane
Concen: 27.336 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

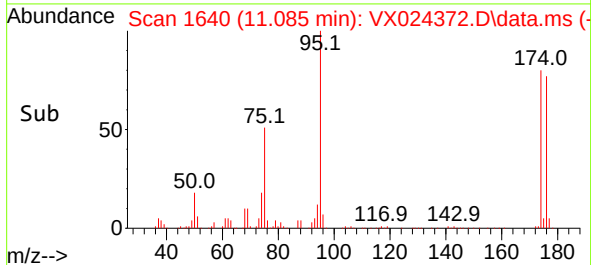
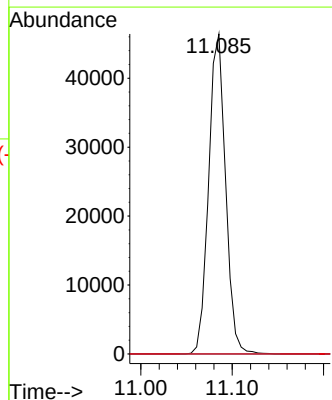
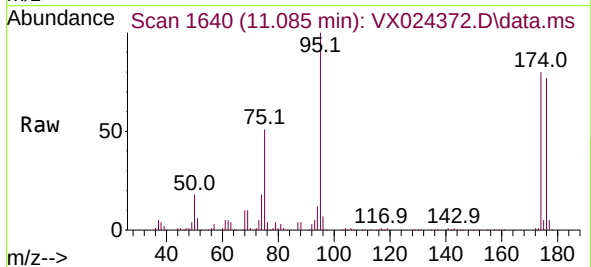
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

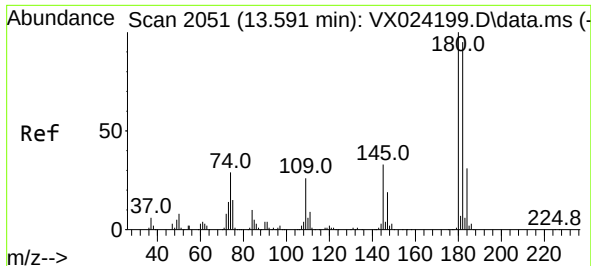
Tgt Ion: 75 Resp: 59536
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.396 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion: 75 Resp: 59536
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

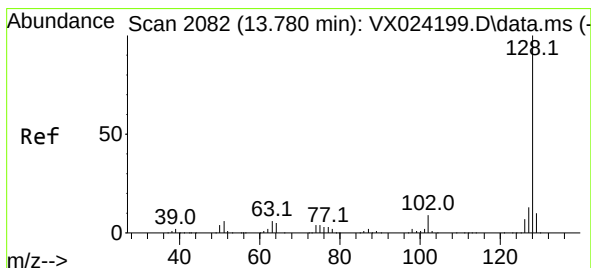
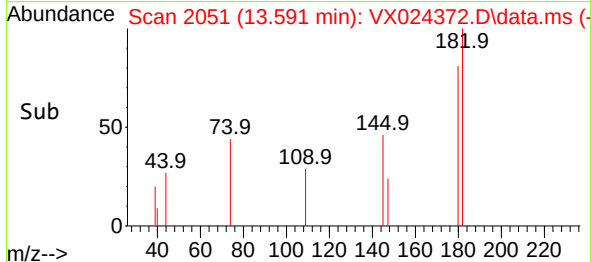
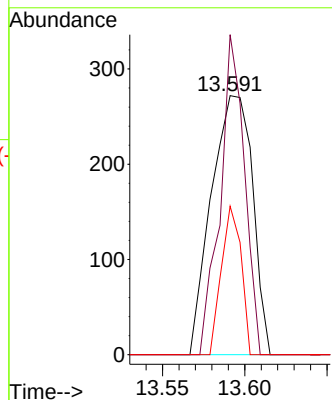
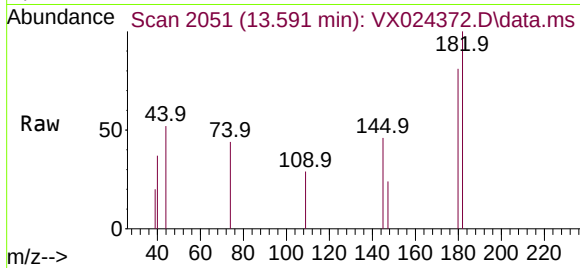




#93
1,2,4-Trichlorobenzene
Concen: 0.258 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20210914DL

Tgt Ion:180 Resp: 473
Ion Ratio Lower Upper
180 100
182 72.7 47.7 143.1
145 27.5 15.0 45.0



#95
Naphthalene
Concen: 1.357 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024372.D
Acq: 21 Sep 2021 01:06

Tgt Ion:128 Resp: 488
Ion Ratio Lower Upper
128 100
127 7.2 10.3 15.5#
129 0.0 8.8 13.2#

