

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024319.D
 Acq On : 17 Sep 2021 19:06
 Operator : JC/MD
 Sample : M3782-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20210914

Quant Time: Sep 20 02:00:23 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)

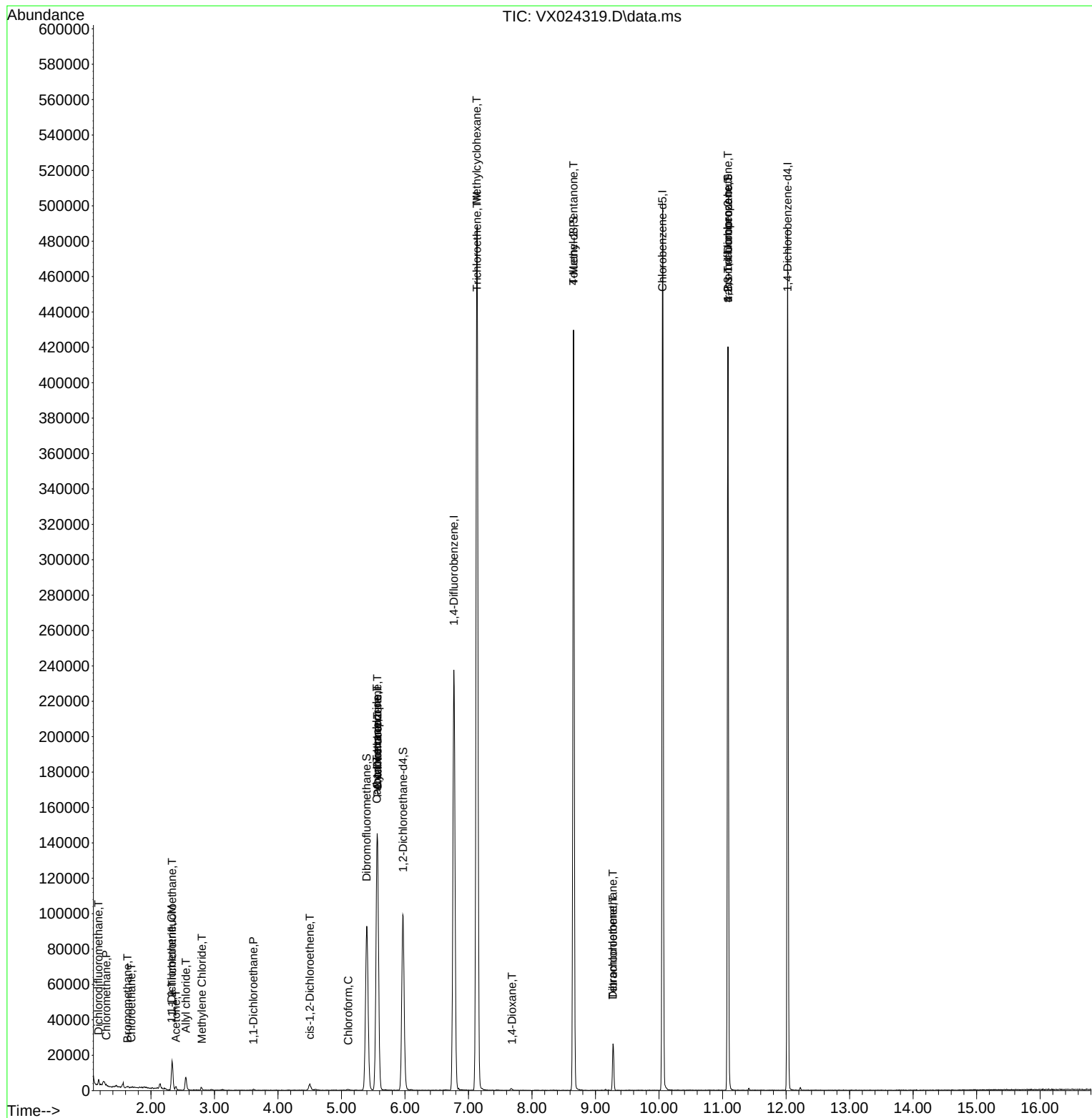
Internal Standards						
1) Pentafluorobenzene	5.568	168	133269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236696	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	101093	53.196	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.400%		
35) Dibromofluoromethane	5.397	113	80133	50.481	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.960%		
50) Toluene-d8	8.653	98	243858	42.170	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 84.340%#		
62) 4-Bromofluorobenzene	11.085	95	107010	47.550	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	1141	0.891	ug/l	97
3) Chloromethane	1.294	50	500	0.374	ug/l	95
5) Bromomethane	1.630	94	314	0.396	ug/l	90
6) Chloroethane	1.691	64	89	2.081	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	5489	4.184	ug/l	93
11) Tert butyl alcohol	2.947	59	155	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	750	0.610	ug/l	94
14) Allyl chloride	2.550	41	855	0.383	ug/l #	57
16) Acetone	2.392	43	1971	2.432	ug/l	100
20) Methylene Chloride	2.800	84	601	0.386	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	684	0.266	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	2175	1.400	ug/l	87
30) Chloroform	5.105	83	645	0.236	ug/l	90
31) Cyclohexane	5.562	56	2879	1.295	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11126	5.113	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14404	5.881	ug/l #	17
39) Methylcyclohexane	7.129	83	2466	0.949	ug/l #	1
44) Trichloroethene	7.135	130	188251	107.346	ug/l	100
49) 1,4-Dioxane	7.684	88	752	17.832	ug/l #	93
51) 4-Methyl-2-Pentanone	8.653	43	1277	0.496	ug/l #	1
60) Dibromochloromethane	9.275	129	4824	4.083	ug/l #	11
64) Tetrachloroethene	9.275	164	4725	2.700	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	57546	25.907	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	57546	76.192	ug/l #	12

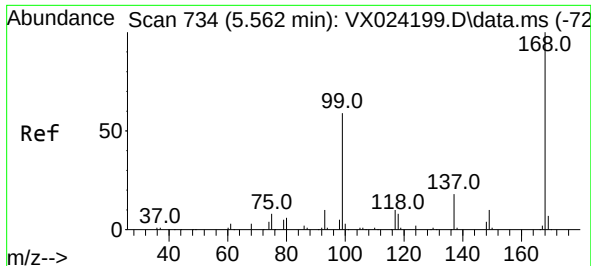
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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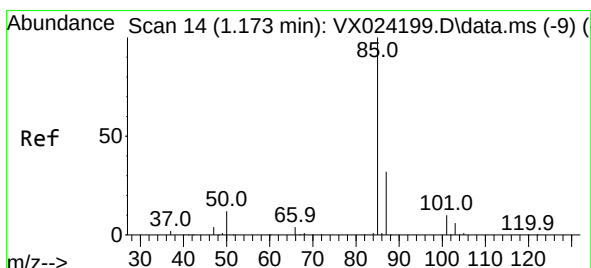
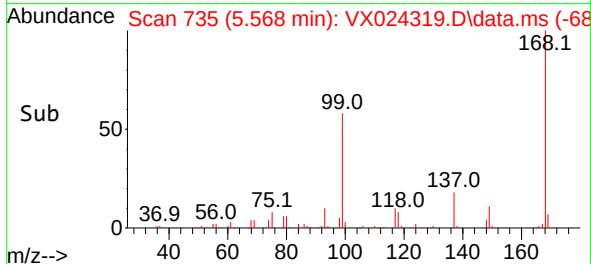
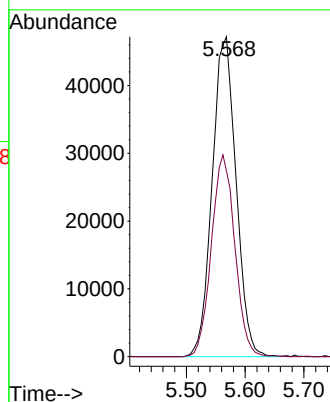
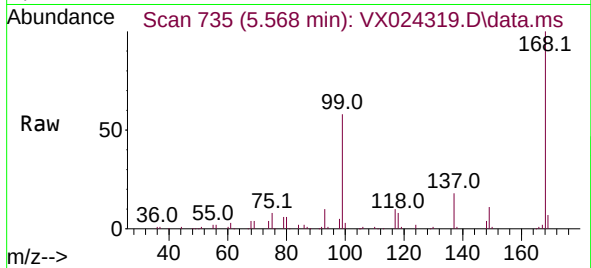




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

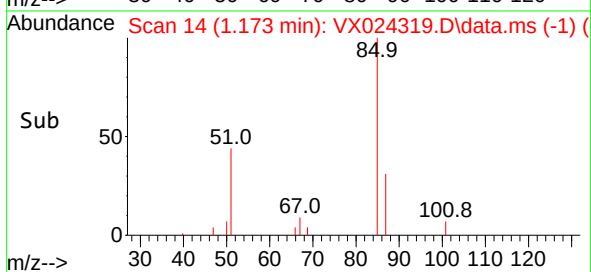
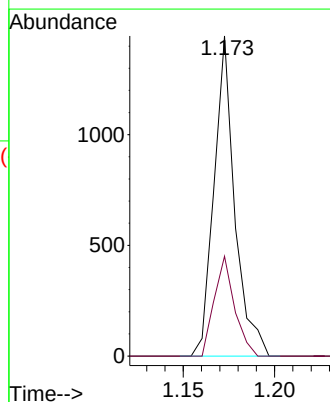
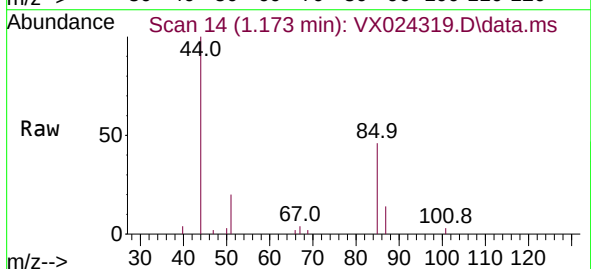
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

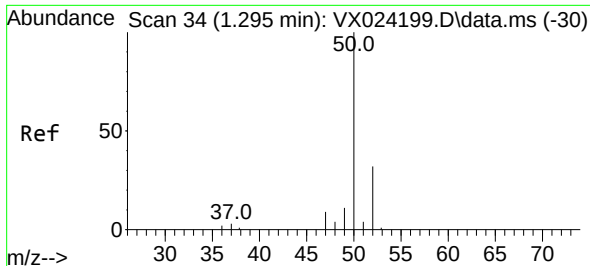
Tgt Ion:168 Resp: 133269
Ion Ratio Lower Upper
168 100
99 58.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.891 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 85 Resp: 1141
Ion Ratio Lower Upper
85 100
87 31.2 16.4 49.2

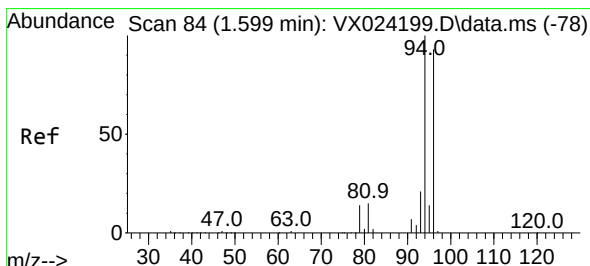
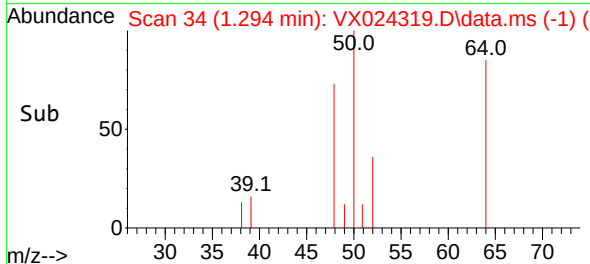
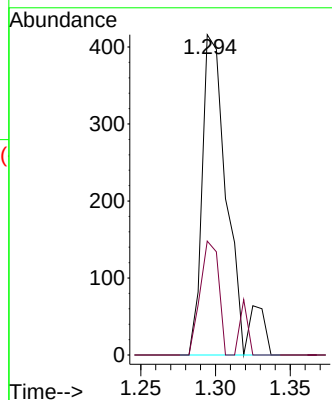
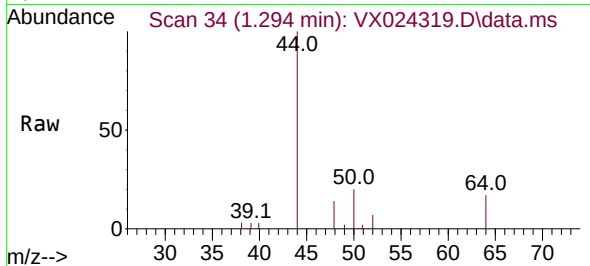




#3
Chloromethane
Concen: 0.374 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

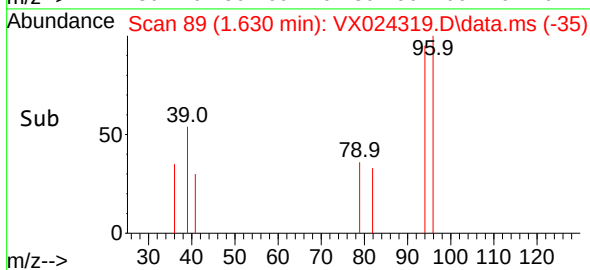
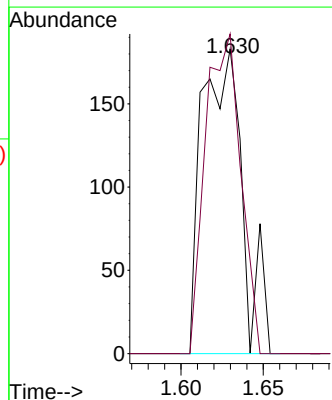
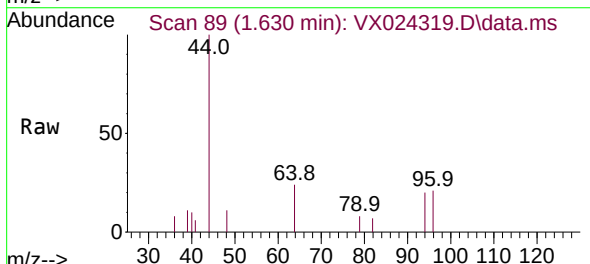
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

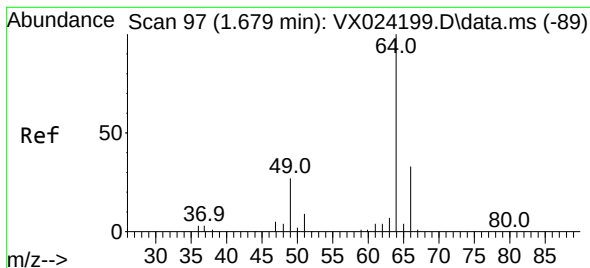
Tgt Ion: 50 Resp: 500
Ion Ratio Lower Upper
50 100
52 35.6 26.4 39.6



#5
Bromomethane
Concen: 0.396 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 104.9 76.4 114.6





#6

Chloroethane

Concen: 2.081 ug/l

RT: 1.691 min Scan# 99

Delta R.T. 0.012 min

Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

Instrument :

MSVOA_X

ClientSampleId :

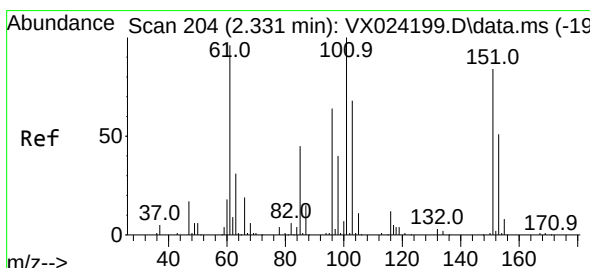
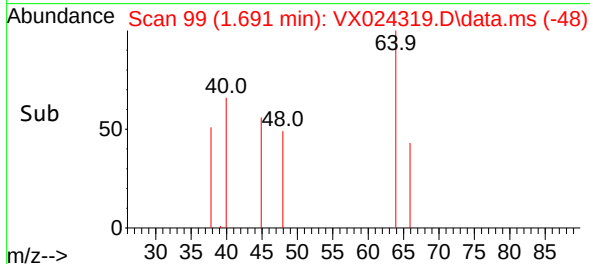
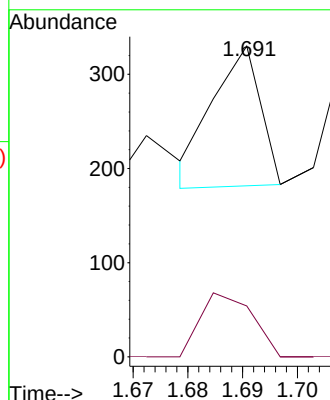
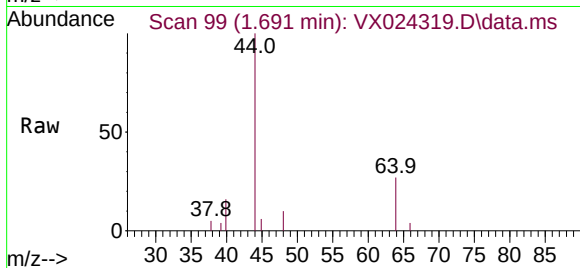
RE132D3-20210914

Tgt Ion: 64 Resp: 89

Ion Ratio Lower Upper

64 100

66 36.7 25.4 38.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.184 ug/l

RT: 2.331 min Scan# 204

Delta R.T. -0.000 min

Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

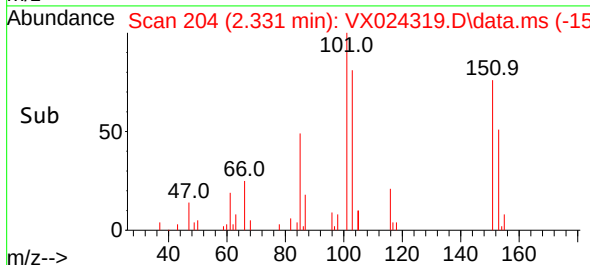
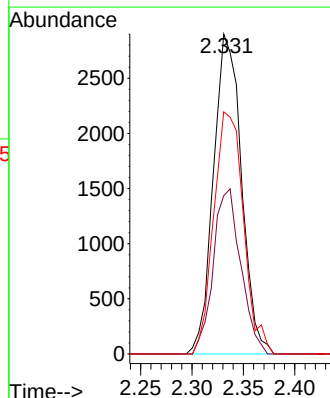
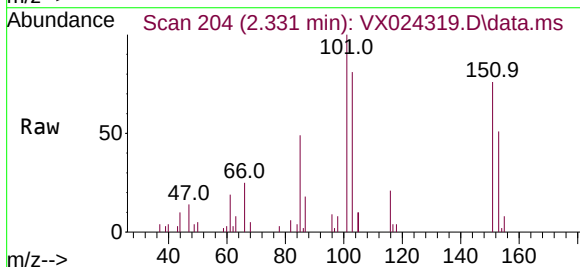
Tgt Ion: 101 Resp: 5489

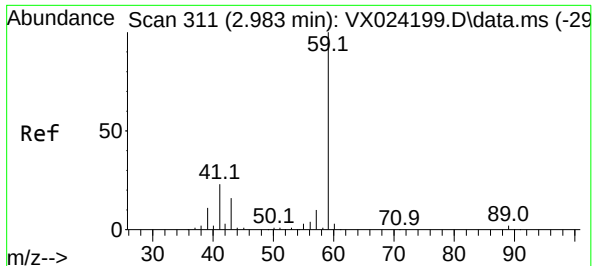
Ion Ratio Lower Upper

101 100

85 50.7 34.9 52.3

151 80.5 61.4 92.2

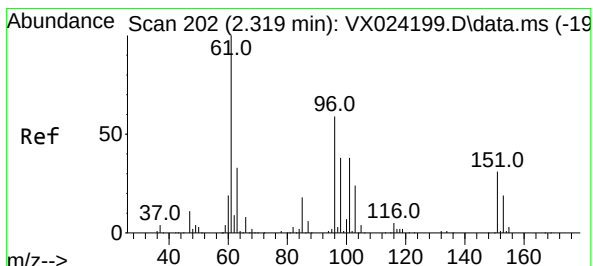
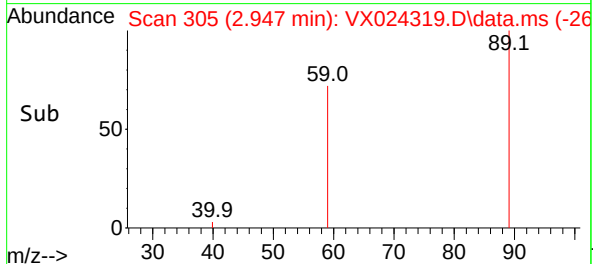
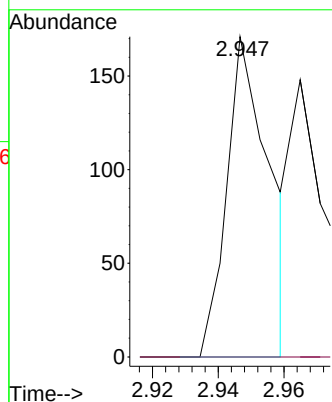
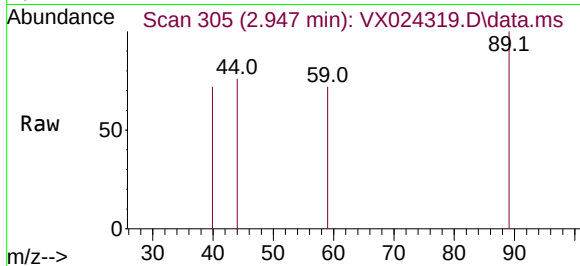




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

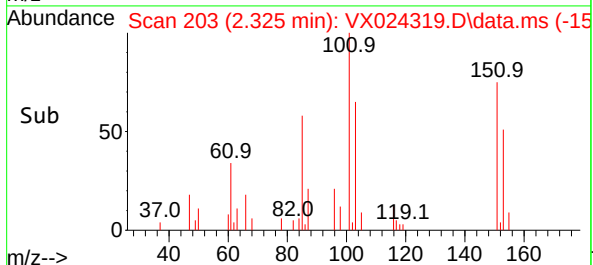
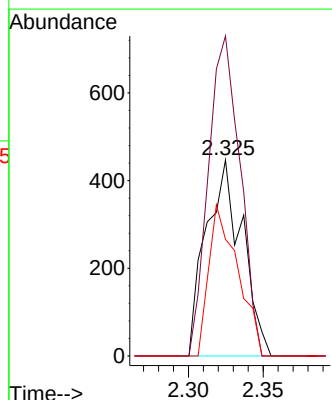
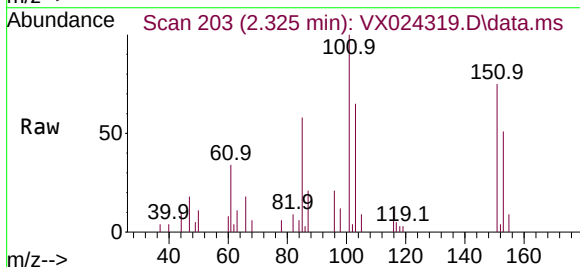
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

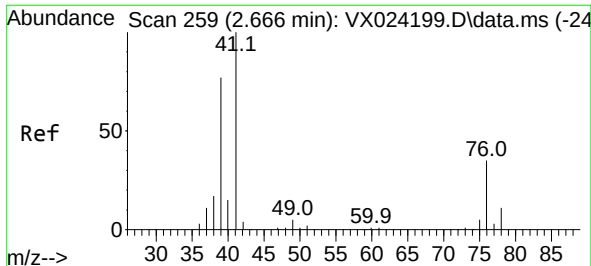
Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.610 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 96 Resp: 750
Ion Ratio Lower Upper
96 100
61 163.3 124.6 187.0
98 59.5 50.6 76.0

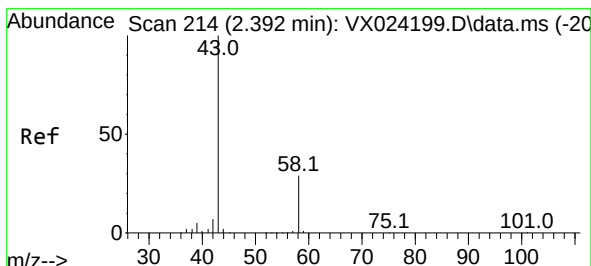
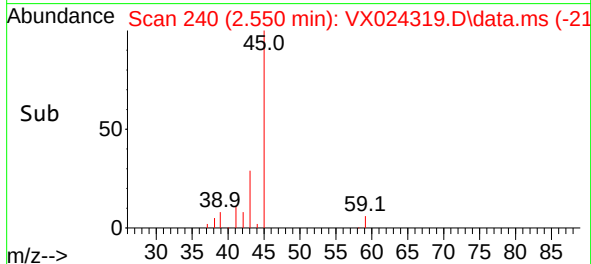
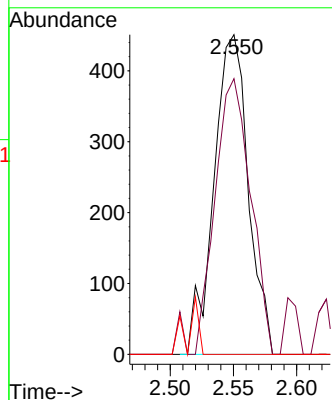
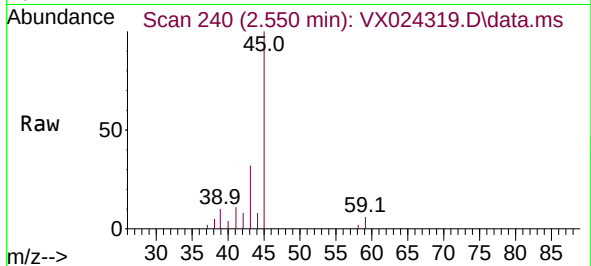




#14
 Allyl chloride
 Concen: 0.383 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX024319.D
 Acq: 17 Sep 2021 19:06

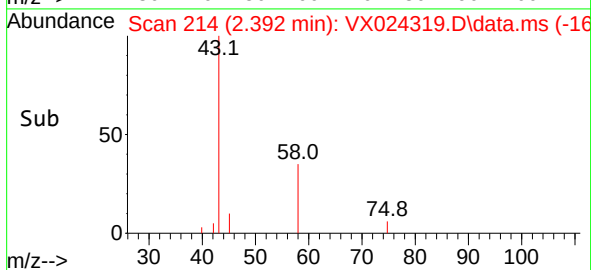
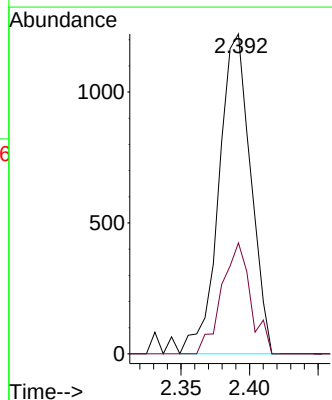
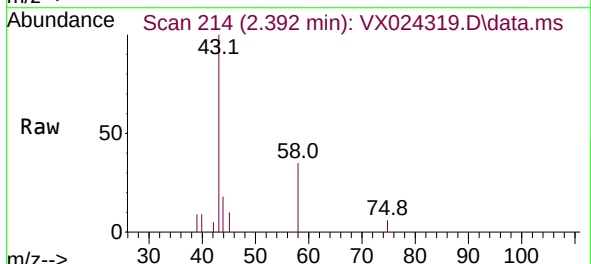
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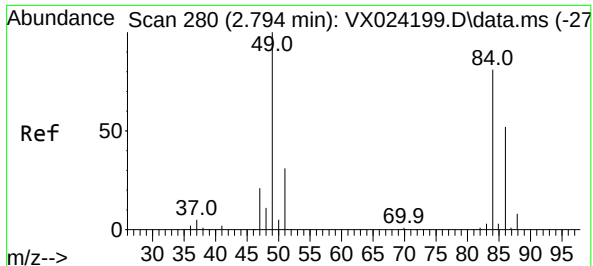
Tgt Ion: 41 Resp: 855
 Ion Ratio Lower Upper
 41 100
 39 89.0 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 2.432 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX024319.D
 Acq: 17 Sep 2021 19:06

Tgt Ion: 43 Resp: 1971
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.8 41.8





#20

Methylene Chloride

Concen: 0.386 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20210914

Tgt Ion: 84 Resp: 601

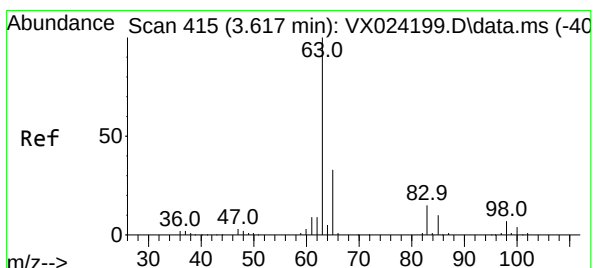
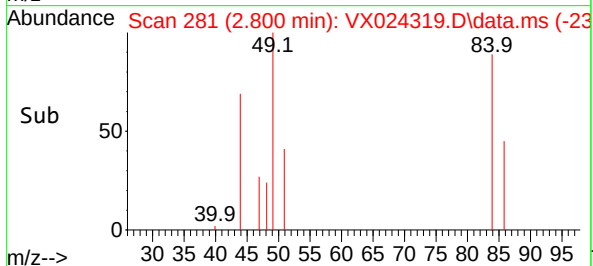
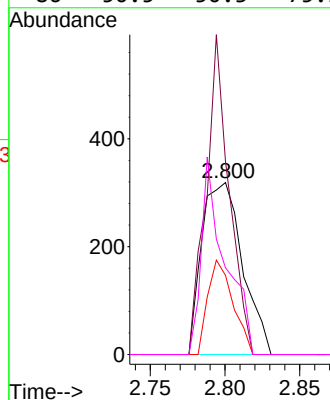
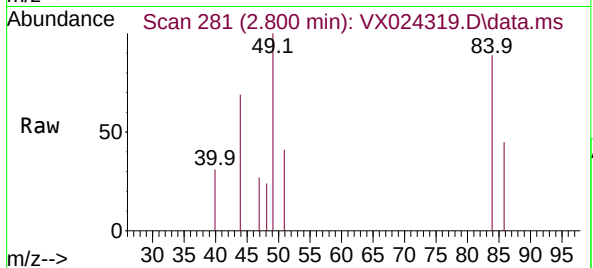
Ion Ratio Lower Upper

84 100

49 112.2 88.6 132.8

51 46.1 27.0 40.6#

86 50.5 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.266 ug/l

RT: 3.611 min Scan# 414

Delta R.T. -0.006 min

Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

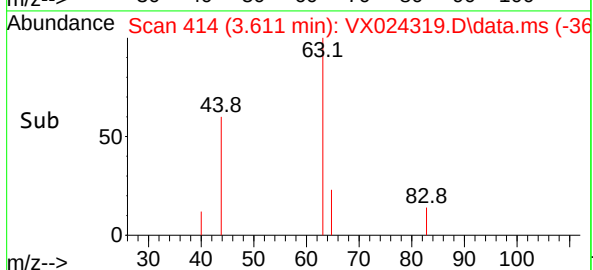
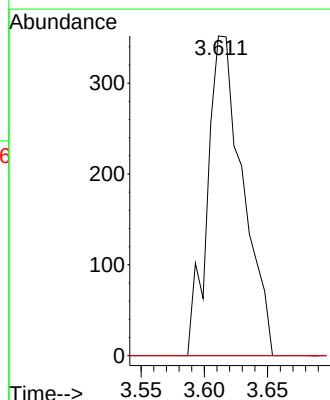
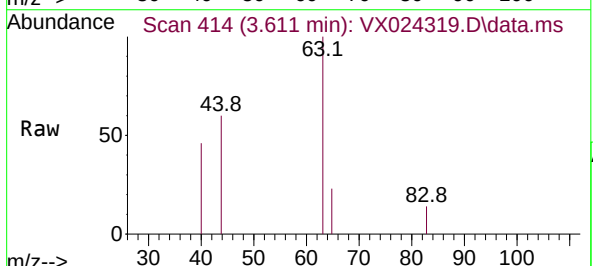
Tgt Ion: 63 Resp: 684

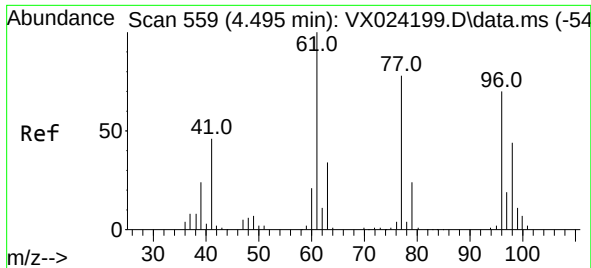
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.400 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

Tgt Ion: 96 Resp: 2175

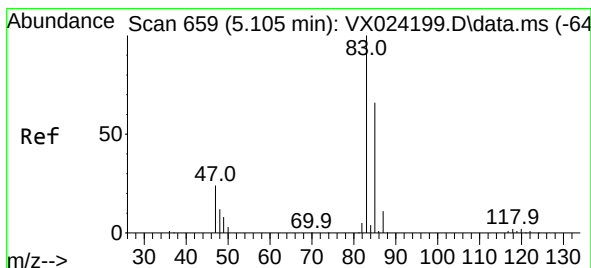
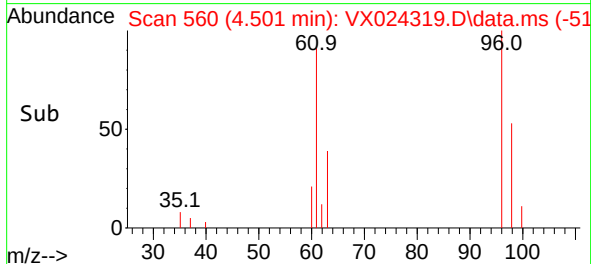
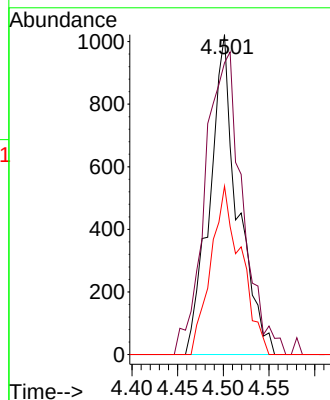
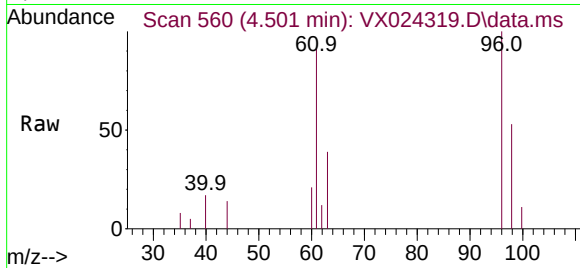
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	285.6
98	57.1	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20210914



#30

Chloroform

Concen: 0.236 ug/l

RT: 5.105 min Scan# 659

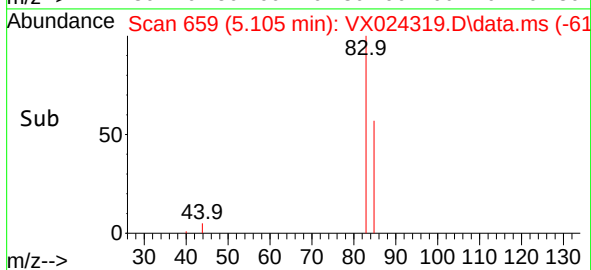
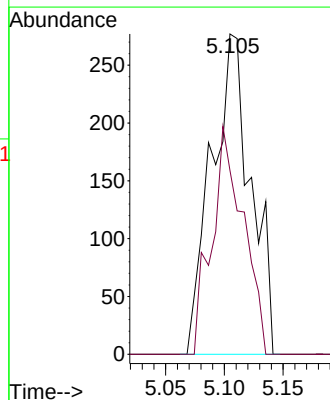
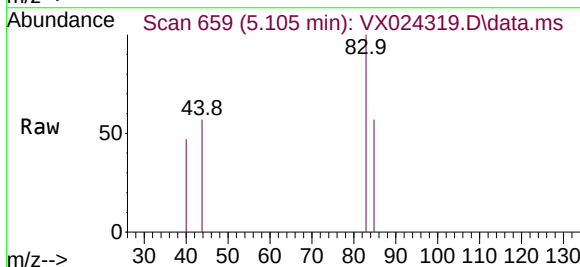
Delta R.T. -0.000 min

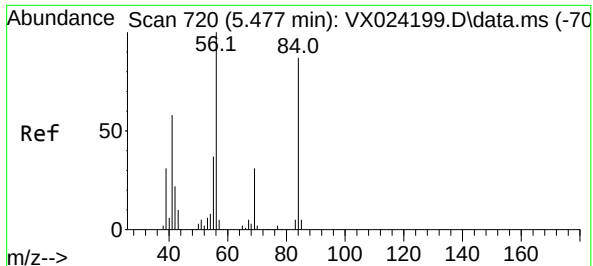
Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

Tgt Ion: 83 Resp: 645

Ion	Ratio	Lower	Upper
83	100		
85	57.4	52.0	78.0

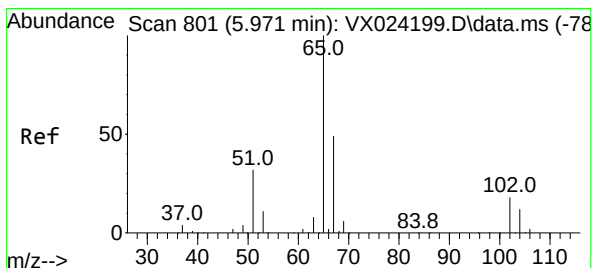
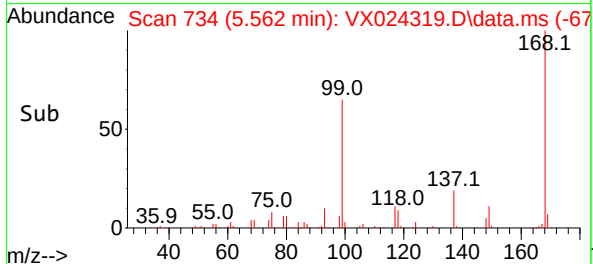
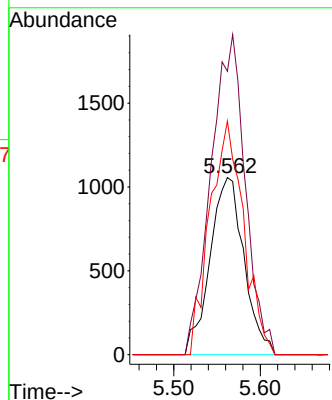
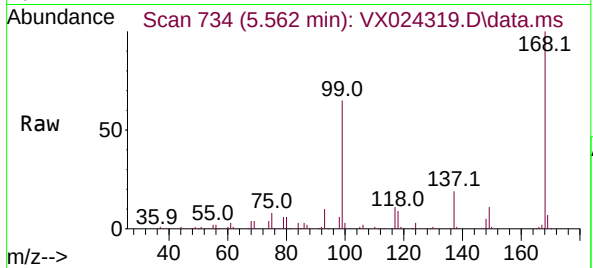




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

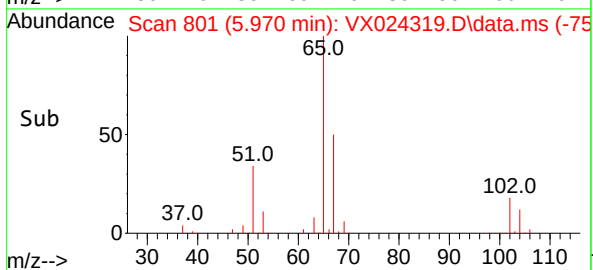
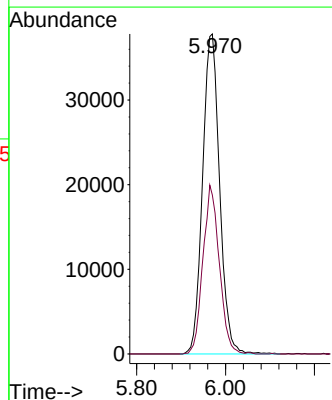
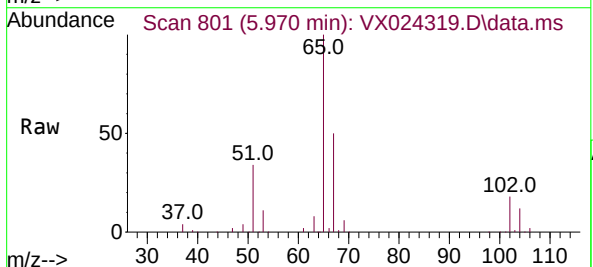
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

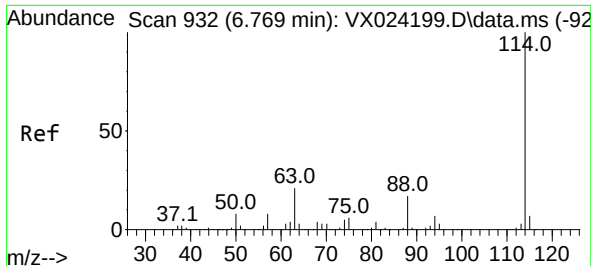
Tgt Ion: 56 Resp: 2879
Ion Ratio Lower Upper
56 100
69 160.0 25.3 37.9#
84 139.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.196 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 65 Resp: 101093
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

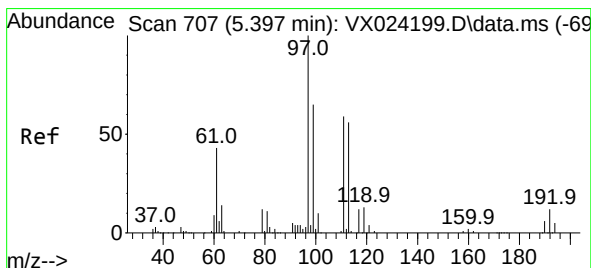
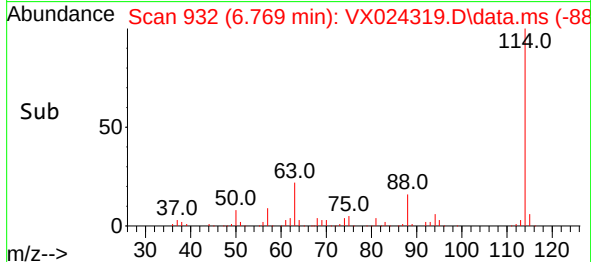
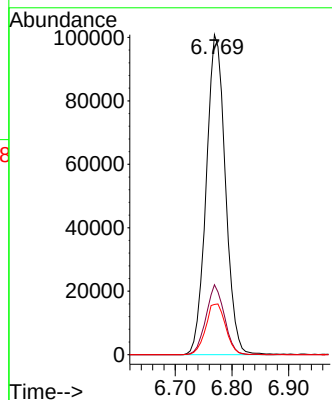
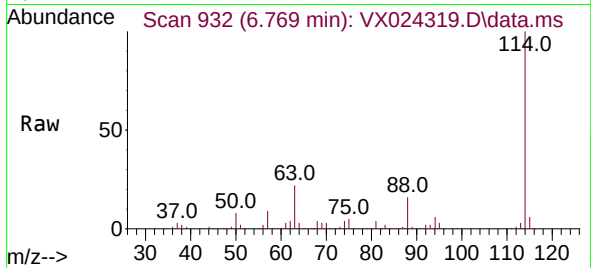




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

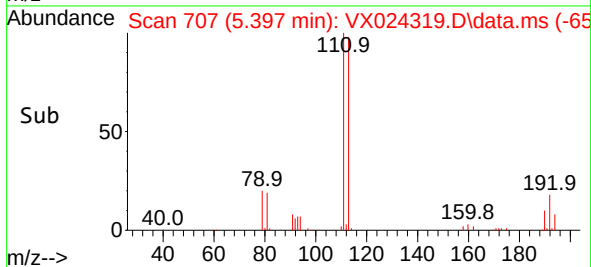
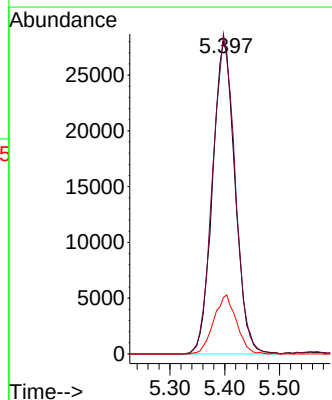
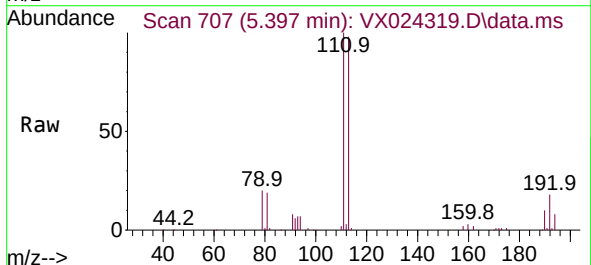
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

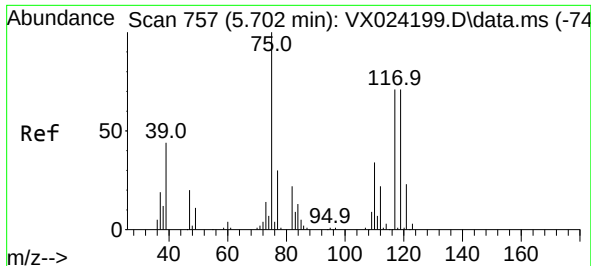
Tgt Ion:114 Resp: 236696
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.481 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion:113 Resp: 80133
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 19.0 16.7 25.1

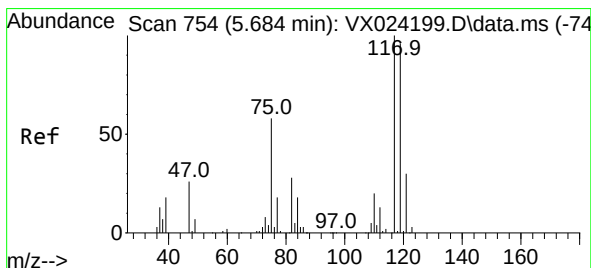
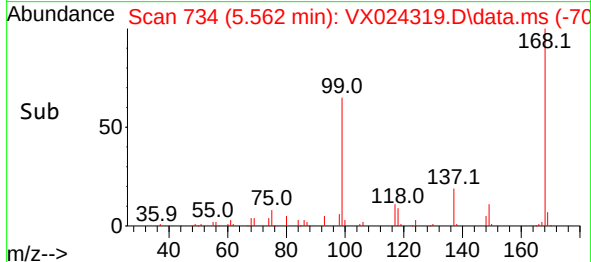
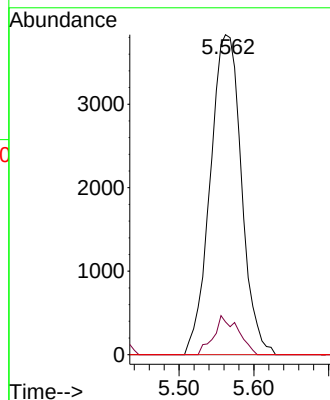
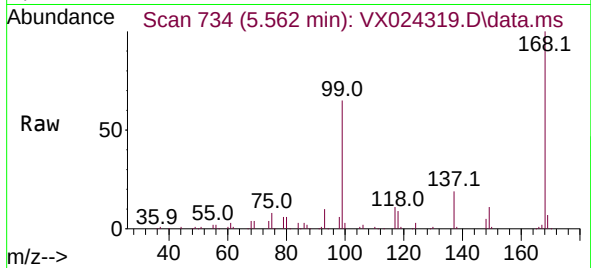




#36
1,1-Dichloropropene
Concen: 5.113 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

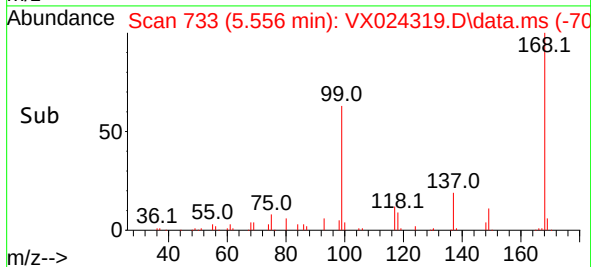
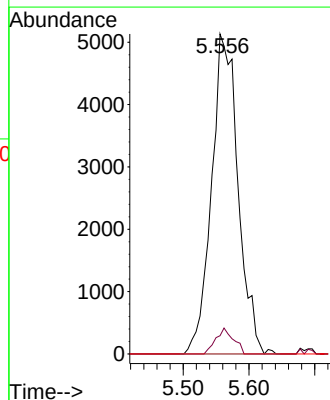
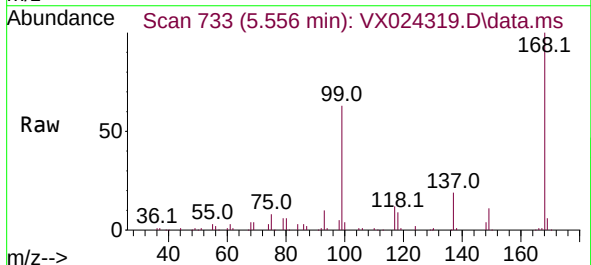
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

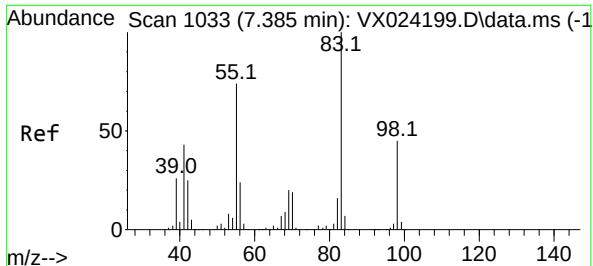
Tgt Ion: 75	Resp: 11126
Ion Ratio	Lower Upper
75 100	
110 9.6	18.1 54.4#
77 0.0	25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.881 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 117	Resp: 14404
Ion Ratio	Lower Upper
117 100	
119 5.7	76.2 114.2#
121 0.0	24.8 37.2#





#39

Methylcyclohexane

Concen: 0.949 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

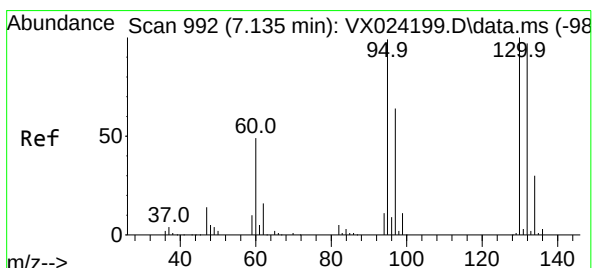
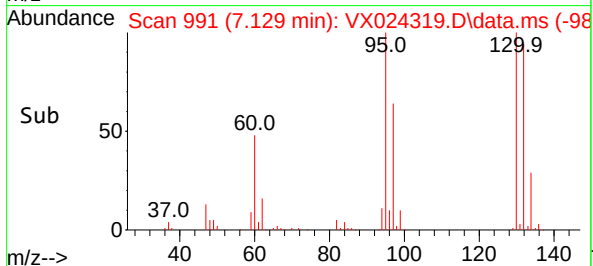
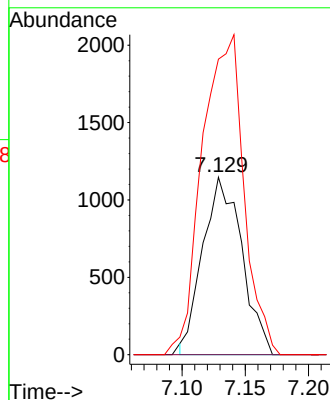
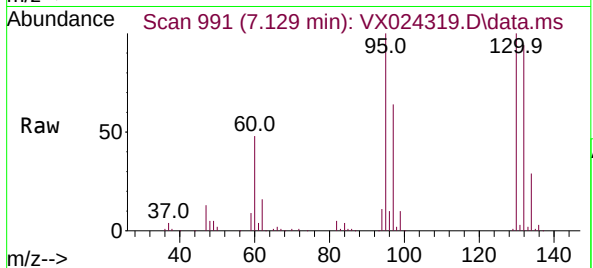
Tgt Ion: 83	Resp: 2466
Ion Ratio	Lower Upper
83 100	
55 0.0	58.9 88.3#
98 166.5	38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20210914



#44

Trichloroethene

Concen: 107.346 ug/l

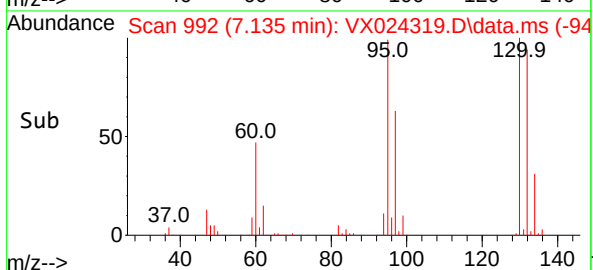
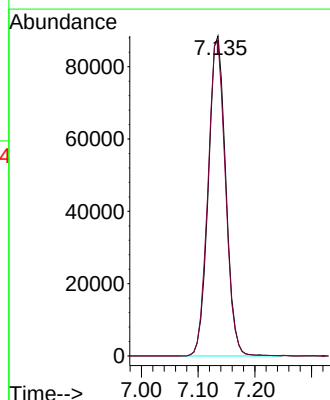
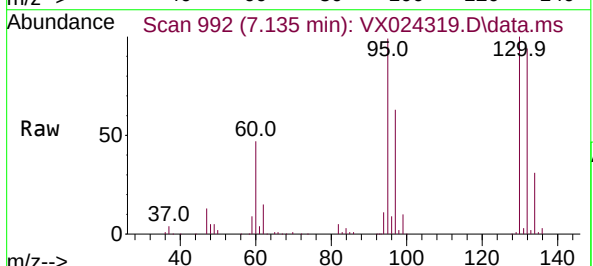
RT: 7.135 min Scan# 992

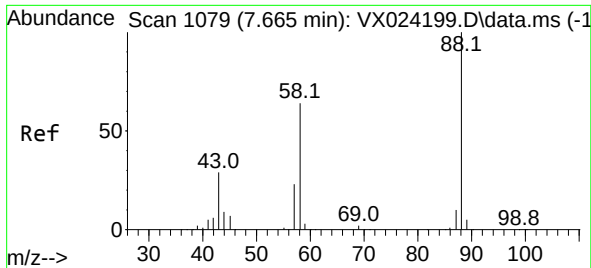
Delta R.T. -0.000 min

Lab File: VX024319.D

Acq: 17 Sep 2021 19:06

Tgt Ion: 130	Resp: 188251
Ion Ratio	Lower Upper
130 100	
95 98.6	0.0 198.0

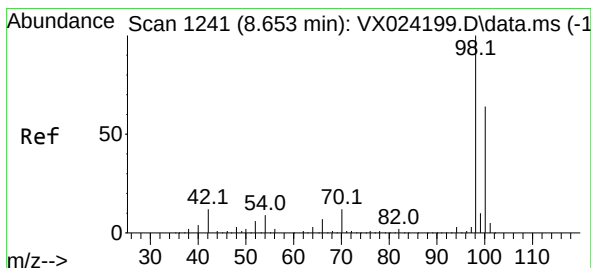
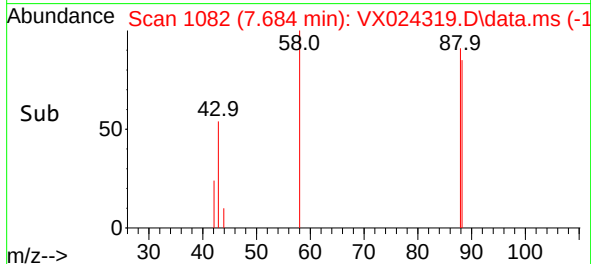
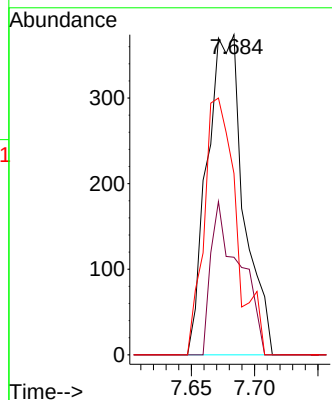
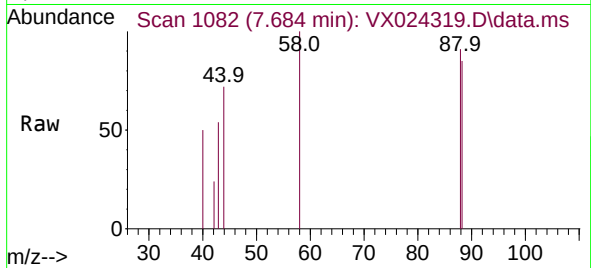




#49
1,4-Dioxane
Concen: 17.832 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

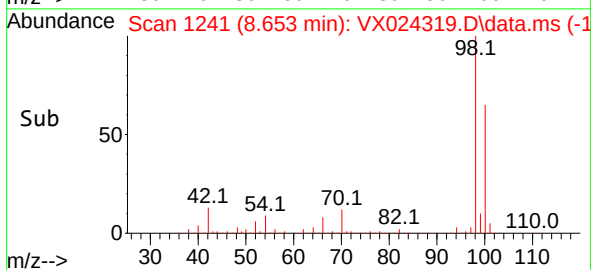
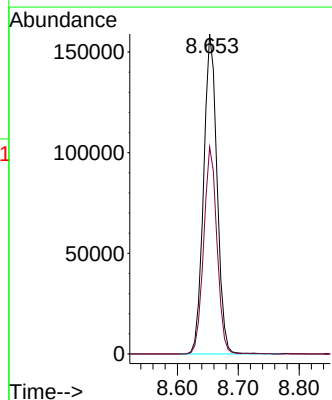
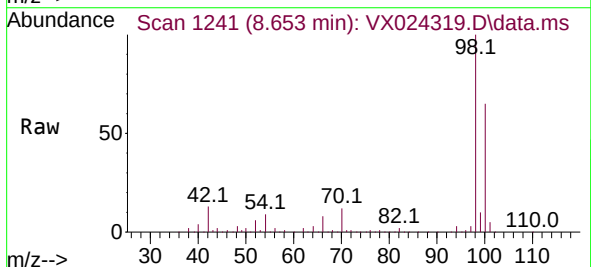
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

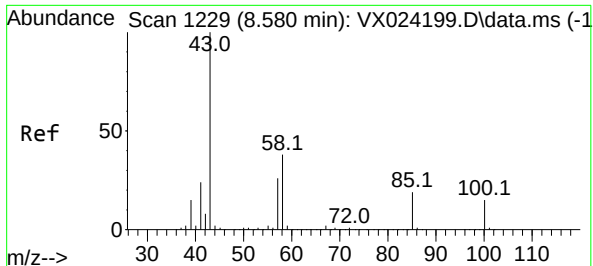
Tgt Ion: 88 Resp: 752
Ion Ratio Lower Upper
88 100
43 37.9 23.2 34.8#
58 70.6 55.0 82.4



#50
Toluene-d8
Concen: 42.170 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 98 Resp: 243858
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

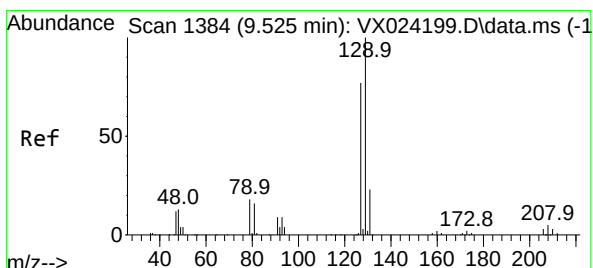
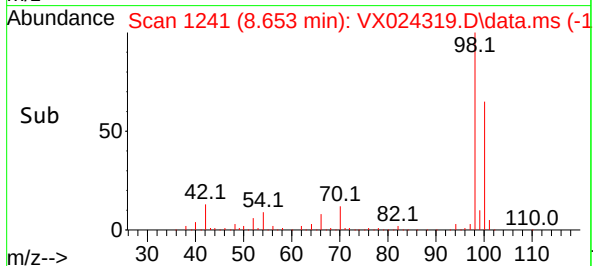
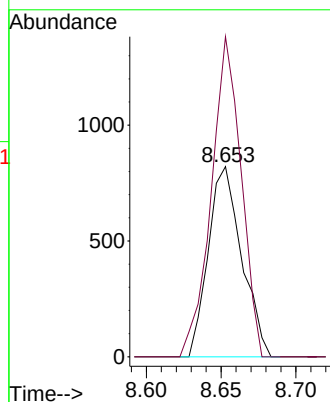
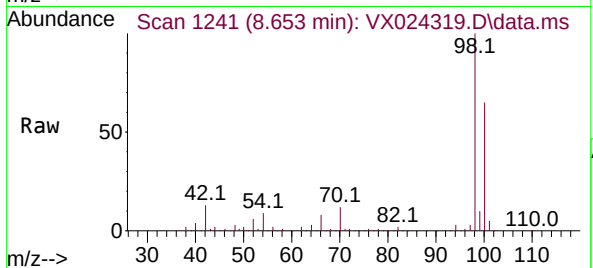




#51
4-Methyl-2-Pentanone
Concen: 0.496 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

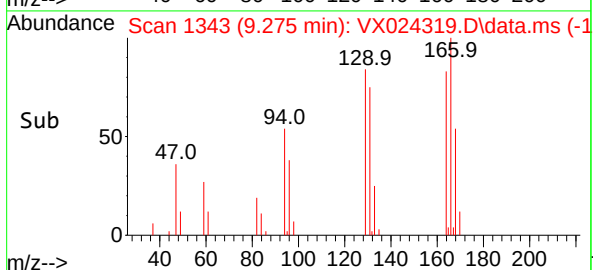
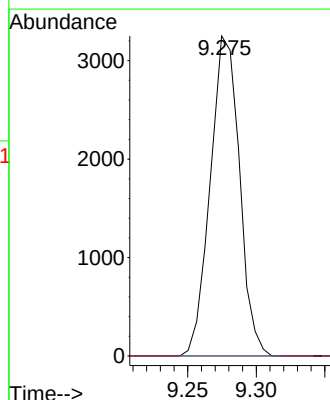
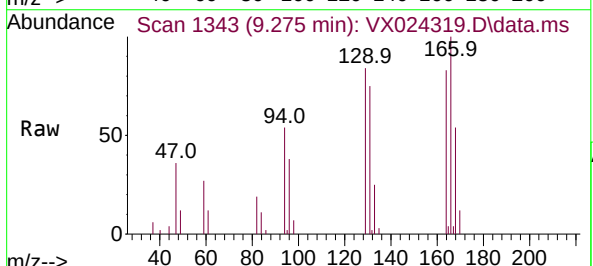
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

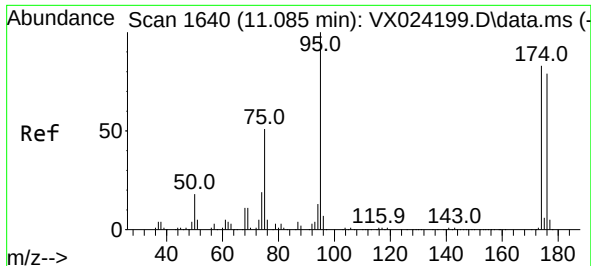
Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
58 150.0 35.4 53.0#



#60
Dibromochloromethane
Concen: 4.083 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 129 Resp: 4824
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

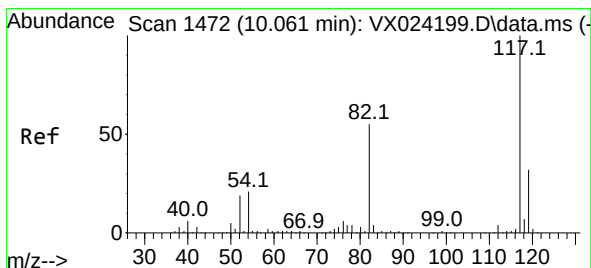
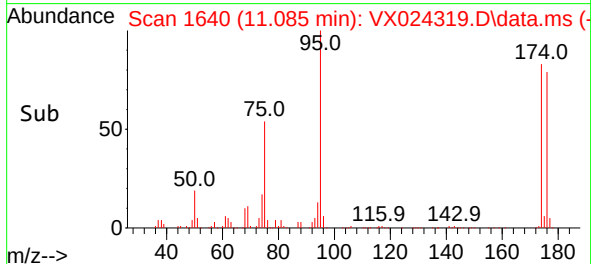
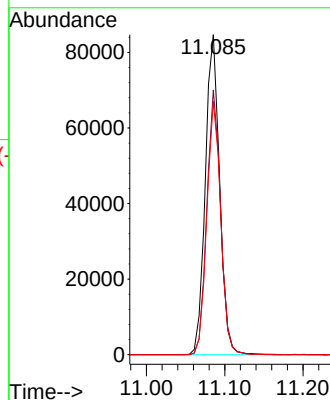
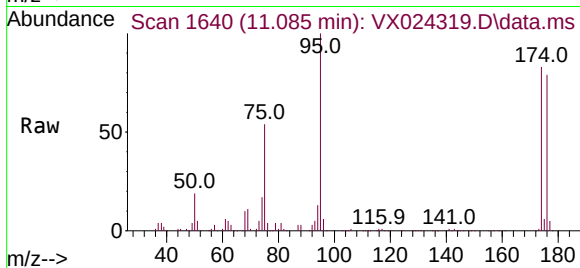




#62
4-Bromofluorobenzene
Concen: 47.550 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

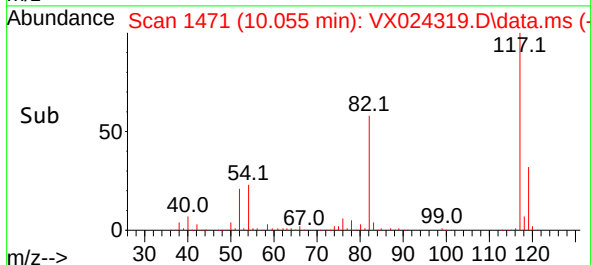
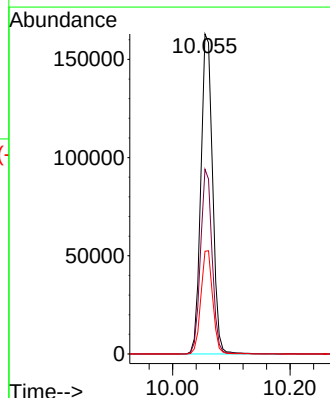
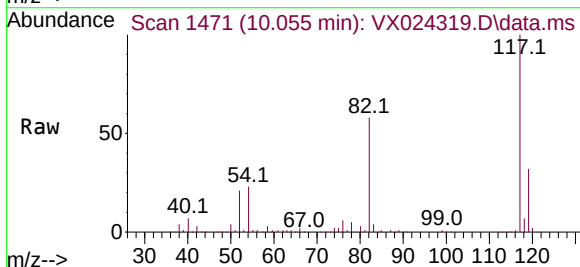
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

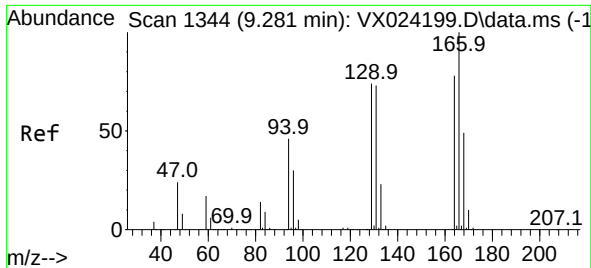
Tgt Ion: 95 Resp: 107010
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 77.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 117 Resp: 225927
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.1 26.6 39.8



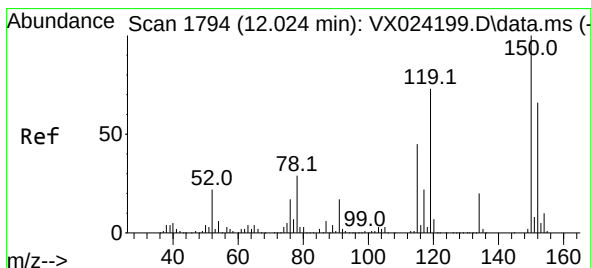
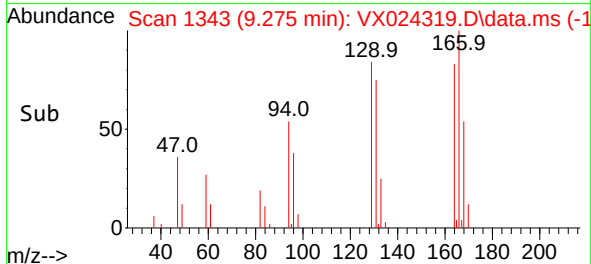
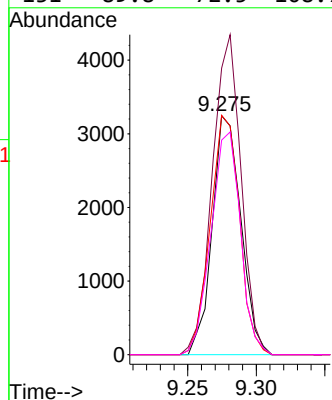
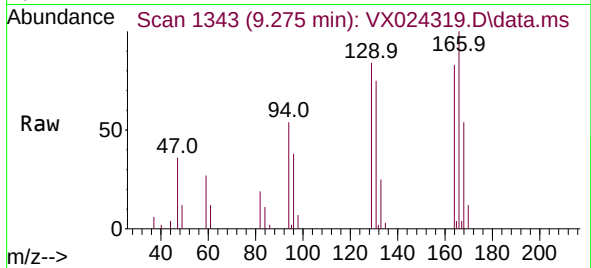


#64
Tetrachloroethene
Concen: 2.700 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

Tgt Ion:164 Resp: 4725

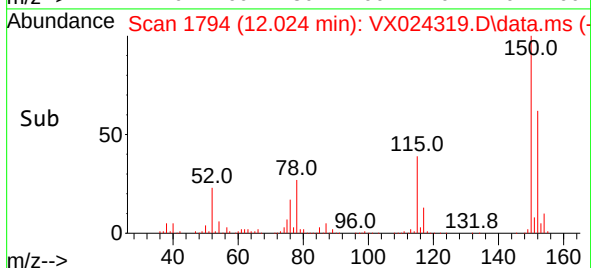
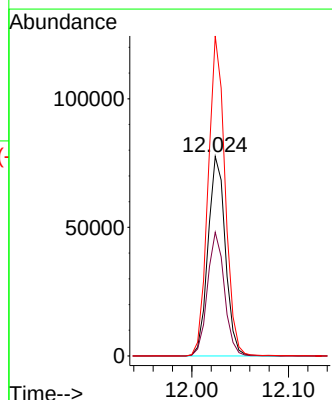
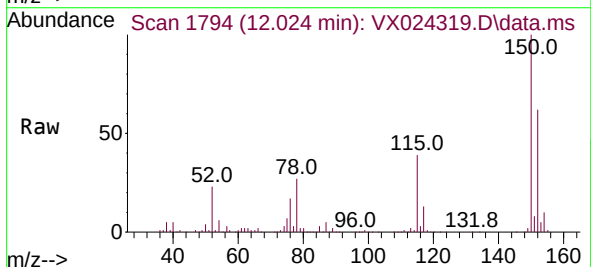
Ion	Ratio	Lower	Upper
164	100		
166	119.9	103.4	155.2
129	100.2	70.8	106.2
131	89.8	72.5	108.7

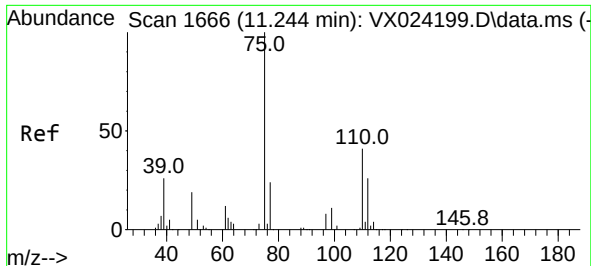


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion:152 Resp: 96602

Ion	Ratio	Lower	Upper
152	100		
115	60.7	41.1	123.3
150	156.8	0.0	349.0

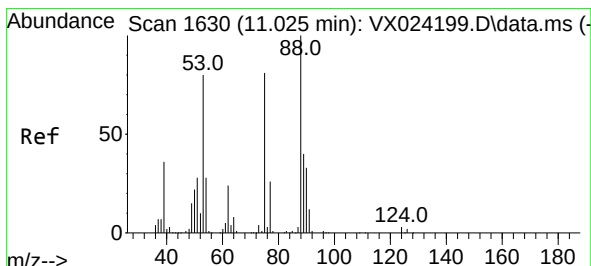
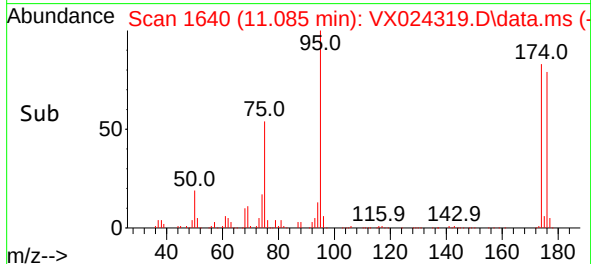
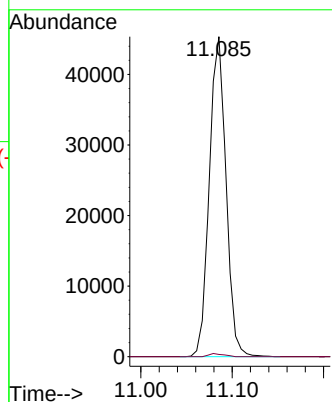
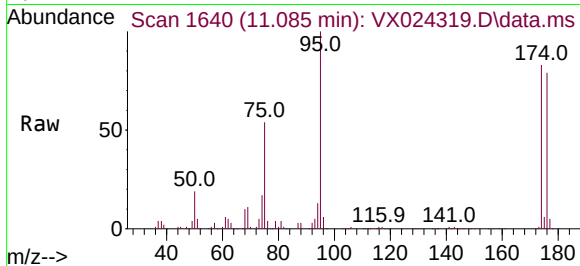




#76
1,2,3-Trichloropropane
Concen: 25.907 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210914

Tgt Ion: 75 Resp: 57546
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.192 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024319.D
Acq: 17 Sep 2021 19:06

Tgt Ion: 75 Resp: 57546
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

