

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028947.D
 Acq On : 25 May 2022 13:54
 Operator : JC/MD
 Sample : N2983-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 24BR-20220520

Quant Time: May 26 05:44:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

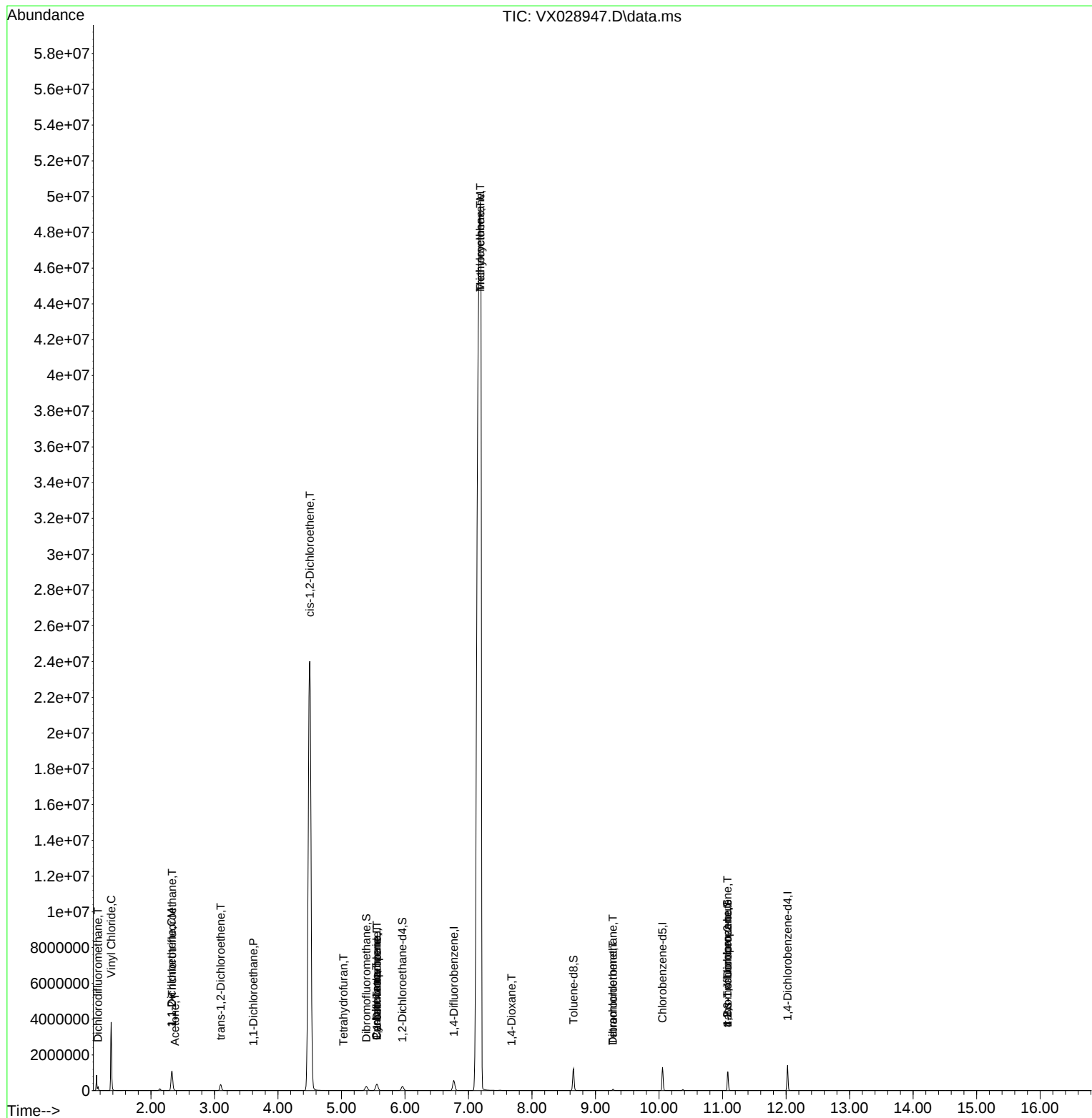
Internal Standards						
1) Pentafluorobenzene	5.556	168	339302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	604689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	589108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	288307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	231563	49.787	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.580%
35) Dibromofluoromethane	5.391	113	202526	51.119	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.240%
50) Toluene-d8	8.653	98	720244	48.219	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.440%
62) 4-Bromofluorobenzene	11.079	95	290561	52.081	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	86560	19.483	ug/l	99
4) Vinyl Chloride	1.374	62	2310447	512.405	ug/l	96
5) Bromomethane	1.611	94	1597	Below Cal		82
9) 1,1,2-Trichlorotrifluo...	2.331	101	335182	88.602	ug/l	99
11) Tert butyl alcohol	3.099	59	6753	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	118323	33.695	ug/l	99
16) Acetone	2.380	43	9623	4.821	ug/l	92
21) trans-1,2-Dichloroethene	3.099	96	152080	38.448	ug/l	99
24) 1,1-Dichloroethane	3.611	63	5078	0.726	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	17351539	3755.932	ug/l	81
29) Tetrahydrofuran	5.032	42	566	0.278	ug/l	# 82
31) Cyclohexane	5.550	56	6365	0.986	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	26528	4.458	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	35620	5.948	ug/l	# 16
39) Methylcyclohexane	7.184	83	616547	90.347	ug/l	# 1
44) Trichloroethene	7.184	130	36123095	7788.243	ug/l	100
49) 1,4-Dioxane	7.677	88	46	0.392	ug/l	# 44
60) Dibromochloromethane	9.275	129	13312	3.043	ug/l	# 9
64) Tetrachloroethene	9.275	164	13678	3.075	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	146257	21.662	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	146257	63.490	ug/l	# 15

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

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

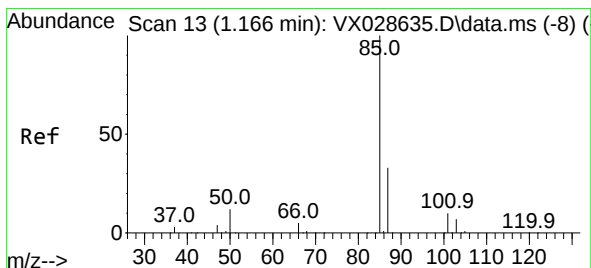
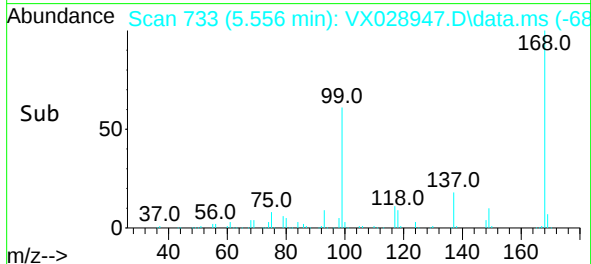
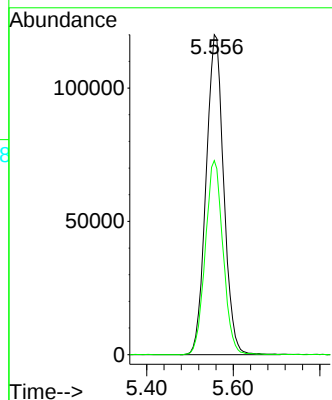
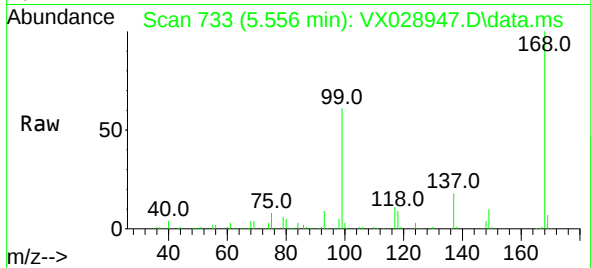




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

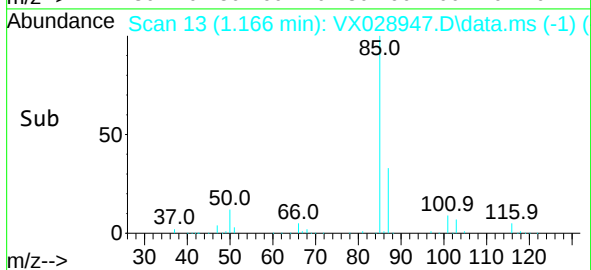
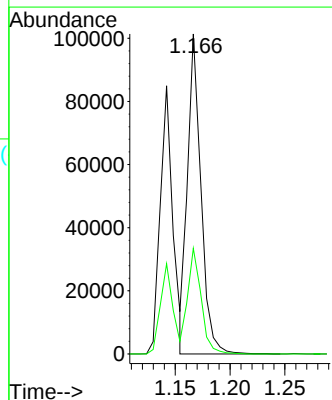
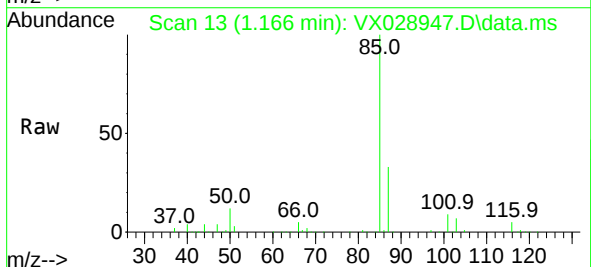
Instrument :
MSVOA_X
ClientSampleId :
24BR-20220520

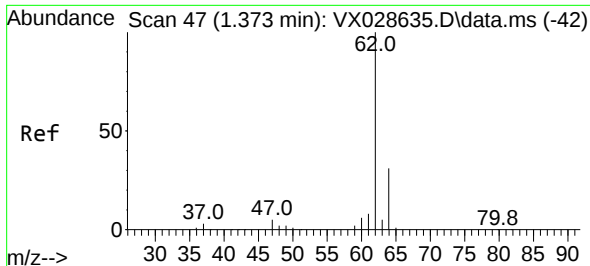
Tgt Ion:168 Resp: 339302
Ion Ratio Lower Upper
168 100
99 60.7 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 19.483 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion: 85 Resp: 86560
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6

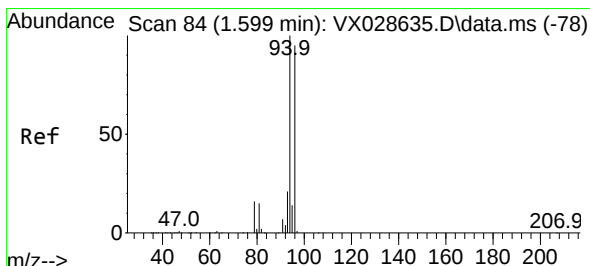
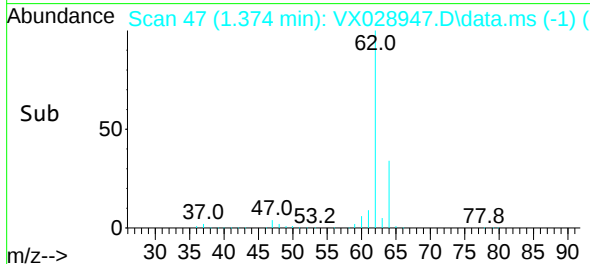
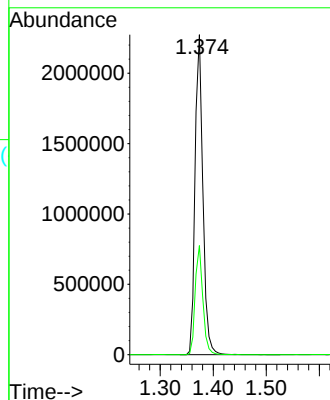
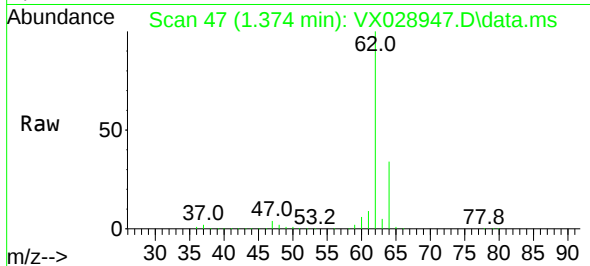




#4
 Vinyl Chloride
 Concen: 512.405 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX028947.D
 Acq: 25 May 2022 13:54

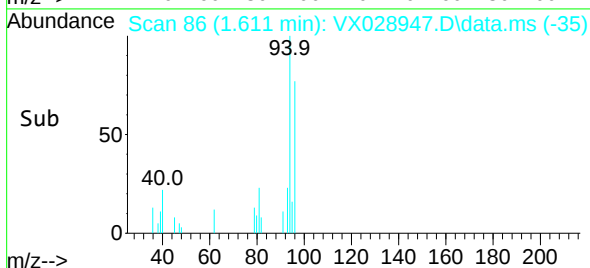
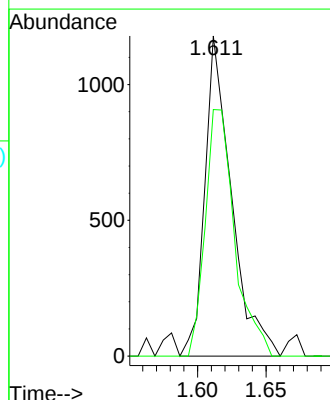
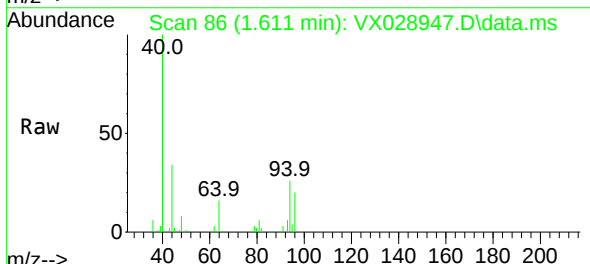
Instrument :
 MSVOA_X
 ClientSampleId :
 24BR-20220520

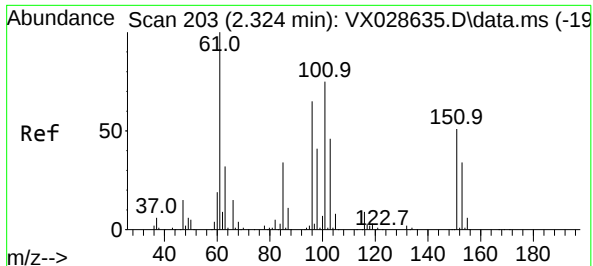
Tgt Ion: 62 Resp: 2310447
 Ion Ratio Lower Upper
 62 100
 64 34.1 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX028947.D
 Acq: 25 May 2022 13:54

Tgt Ion: 94 Resp: 1597
 Ion Ratio Lower Upper
 94 100
 96 77.0 75.3 112.9

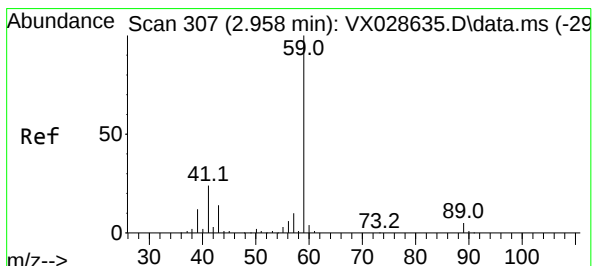
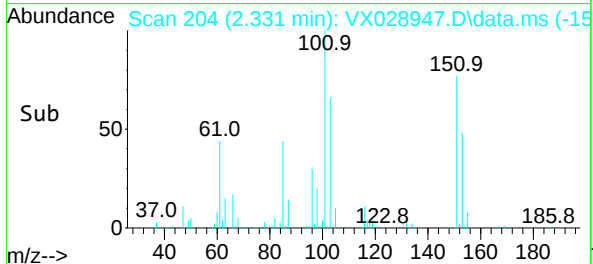
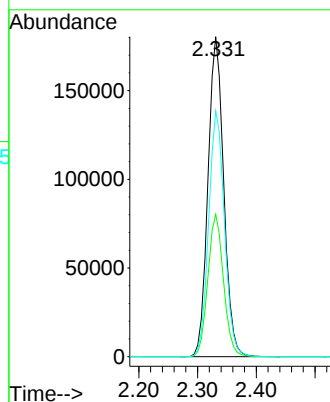
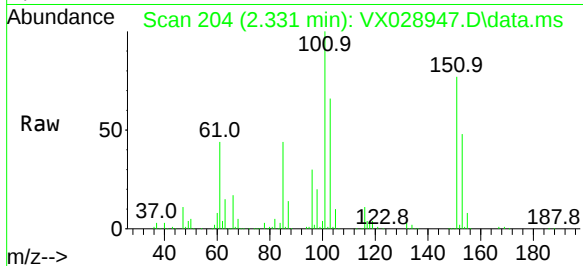




#9
1,1,2-Trichlorotrifluoroethane
Concen: 88.602 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.007 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

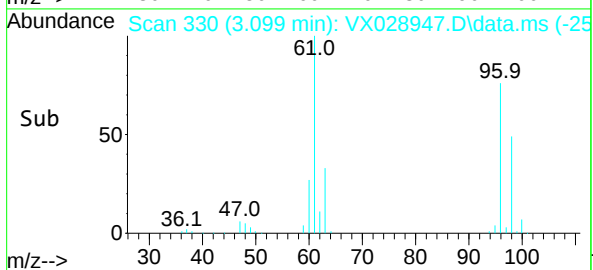
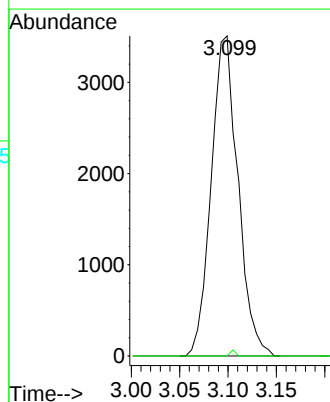
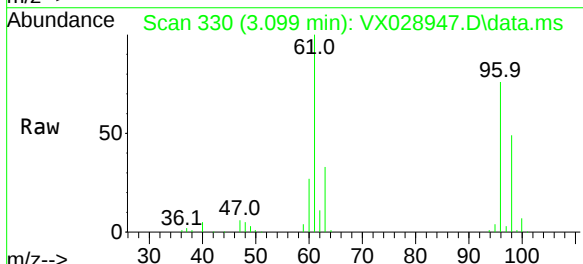
Instrument :
MSVOA_X
ClientSampleId :
24BR-20220520

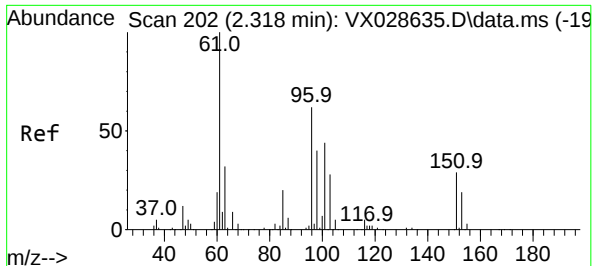
Tgt Ion:101 Resp: 335182
Ion Ratio Lower Upper
101 100
85 44.3 33.5 50.3
151 77.2 61.8 92.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.099 min Scan# 330
Delta R.T. 0.141 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion: 59 Resp: 6753
Ion Ratio Lower Upper
59 100
57 0.4 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 33.695 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.007 min

Lab File: VX028947.D

Acq: 25 May 2022 13:54

Instrument :

MSVOA_X

ClientSampleId :

24BR-20220520

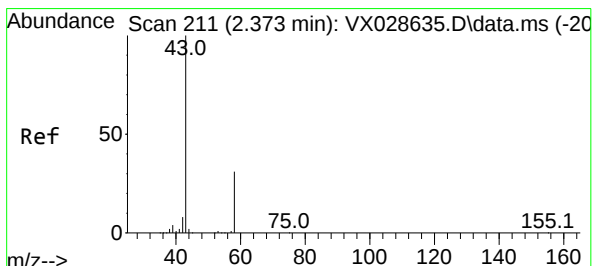
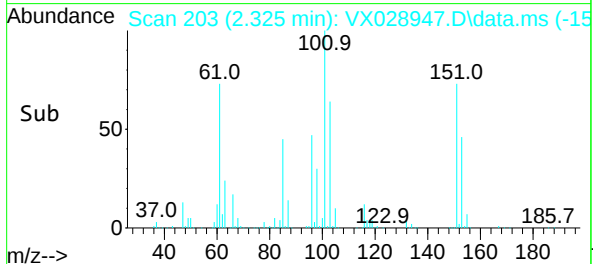
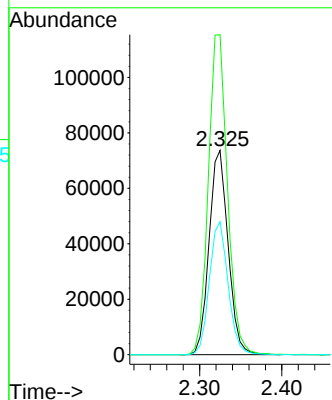
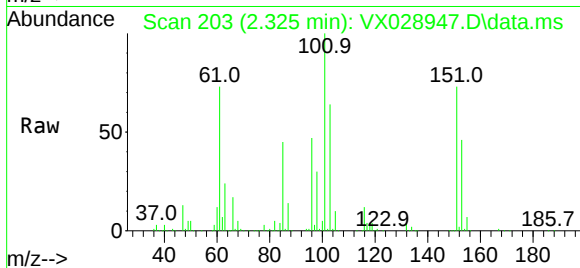
Tgt Ion: 96 Resp: 118323

Ion Ratio Lower Upper

96 100

61 156.6 124.6 187.0

98 65.1 51.0 76.4



#16

Acetone

Concen: 4.821 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX028947.D

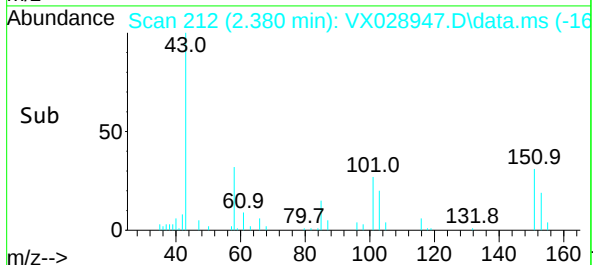
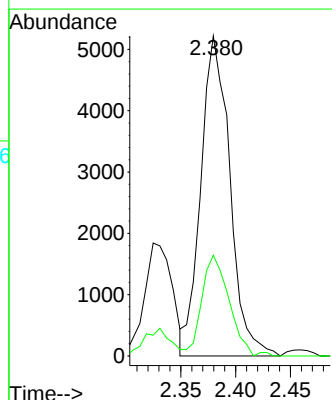
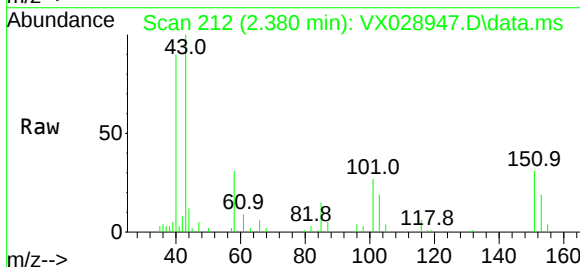
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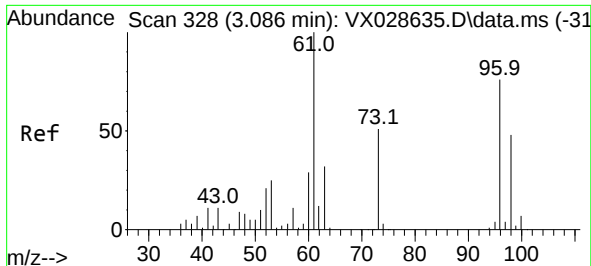
Tgt Ion: 43 Resp: 9623

Ion Ratio Lower Upper

43 100

58 31.5 28.8 43.2

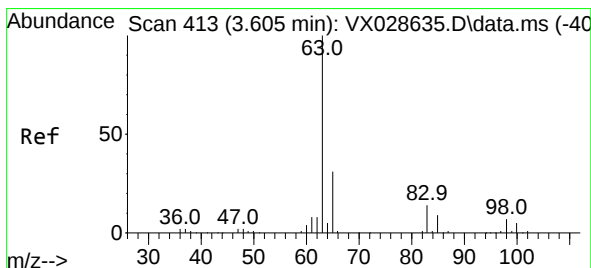
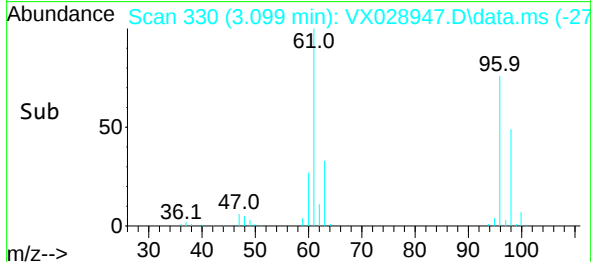
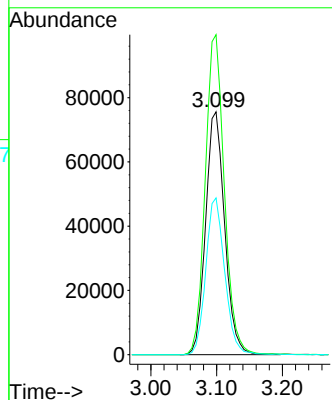
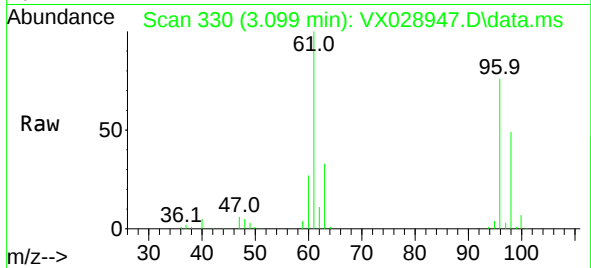




#21
trans-1,2-Dichloroethene
Concen: 38.448 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

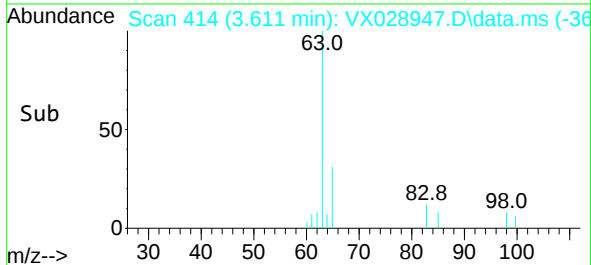
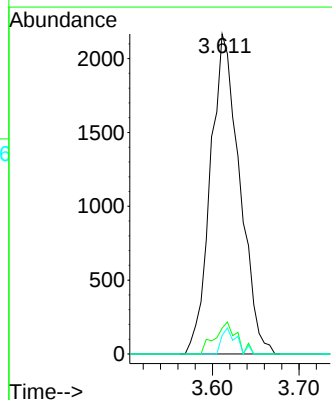
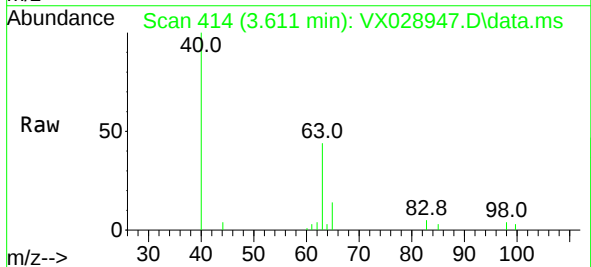
Instrument :
MSVOA_X
ClientSampleId :
24BR-20220520

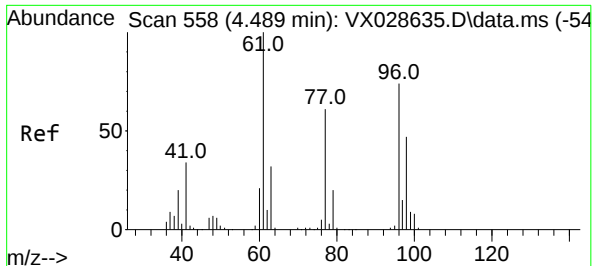
Tgt Ion: 96 Resp: 152080
Ion Ratio Lower Upper
96 100
61 131.8 105.4 158.2
98 64.6 50.0 75.0



#24
1,1-Dichloroethane
Concen: 0.726 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion: 63 Resp: 5078
Ion Ratio Lower Upper
63 100
98 8.0 3.9 11.7
100 5.8 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 3755.932 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX028947.D

Acq: 25 May 2022 13:54

Instrument :

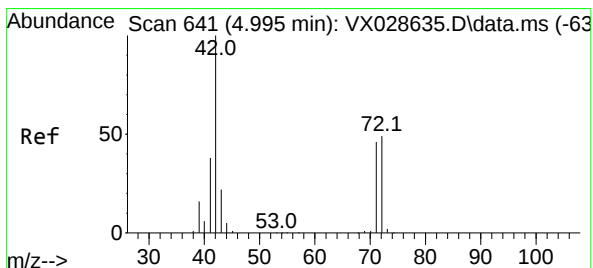
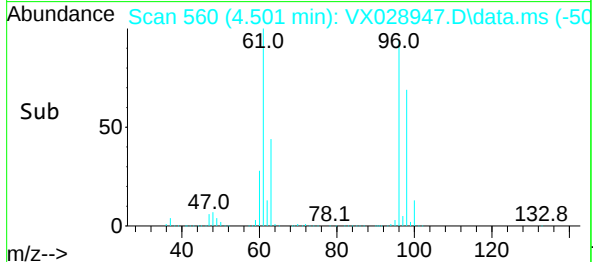
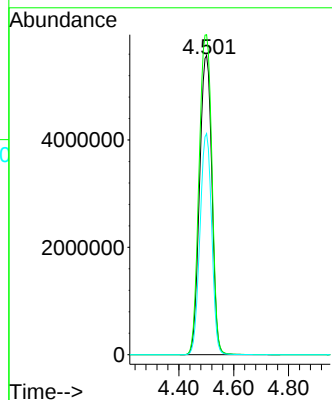
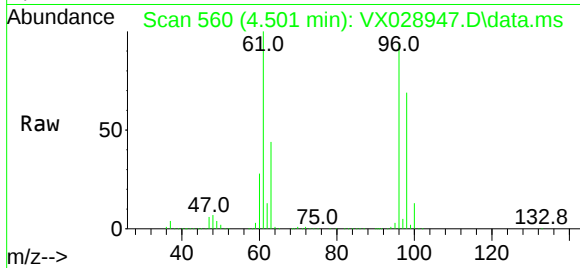
MSVOA_X

ClientSampleId :

24BR-20220520

Tgt Ion: 96 Resp:17351539

Ion	Ratio	Lower	Upper
96	100		
61	111.7	0.0	283.8
98	70.4	0.0	129.8



#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 5.032 min Scan# 647

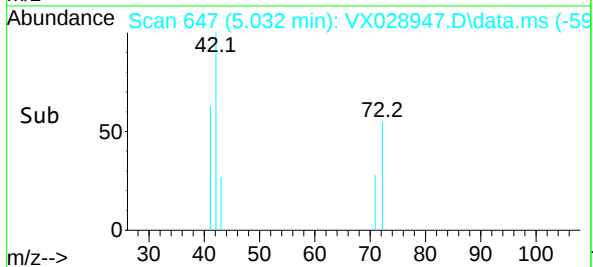
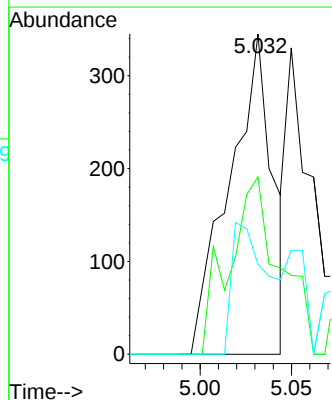
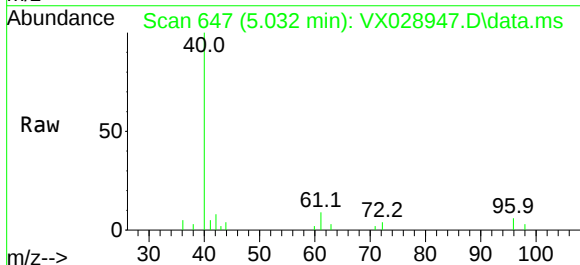
Delta R.T. 0.037 min

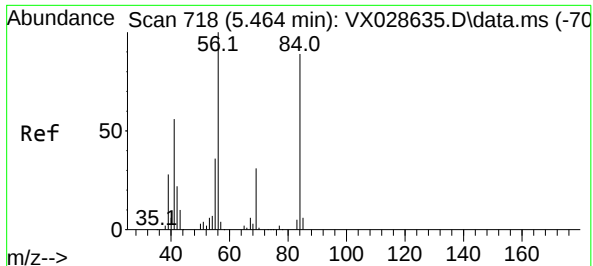
Lab File: VX028947.D

Acq: 25 May 2022 13:54

Tgt Ion: 42 Resp: 566

Ion	Ratio	Lower	Upper
42	100		
72	65.4	44.1	66.1
71	34.8	40.5	60.7#

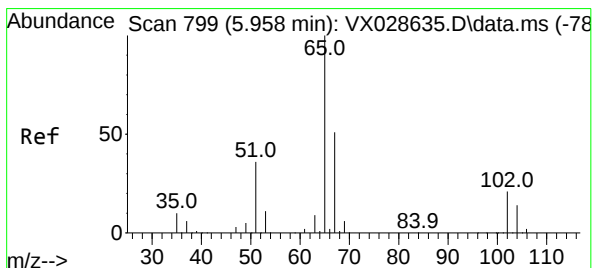
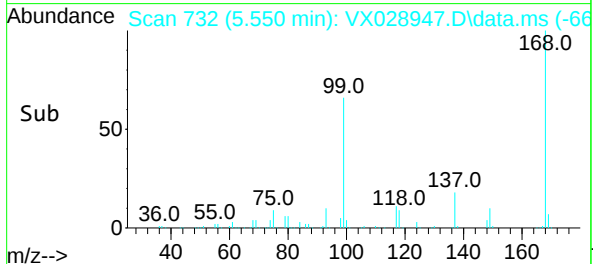
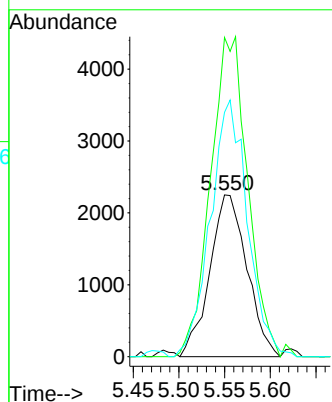
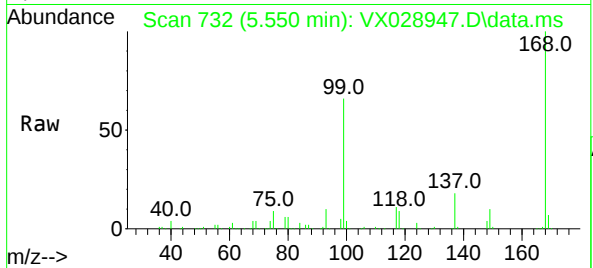




#31
Cyclohexane
Concen: 0.986 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

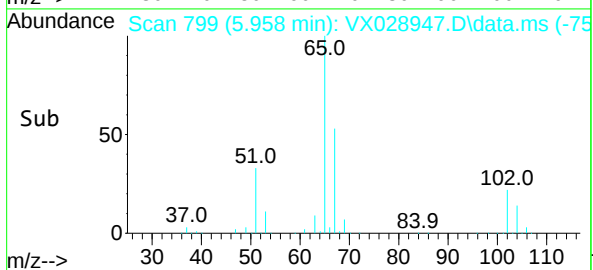
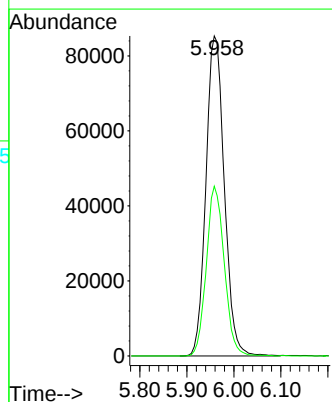
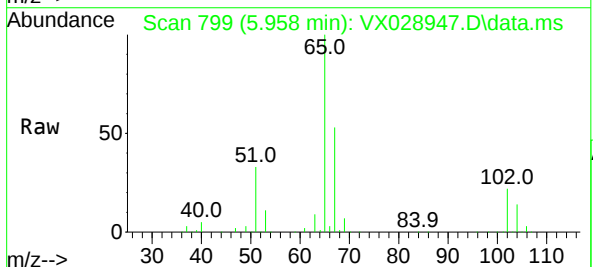
Instrument :
MSVOA_X
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24BR-20220520

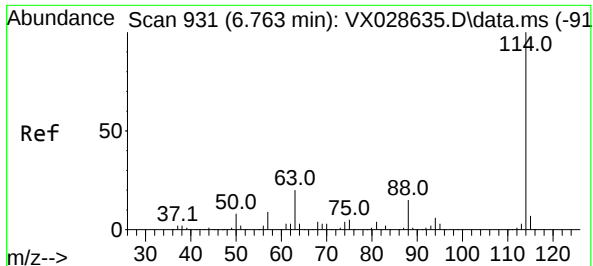
Tgt Ion: 56 Resp: 6365
Ion Ratio Lower Upper
56 100
69 197.3 26.7 40.1#
84 147.6 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.787 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion: 65 Resp: 231563
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

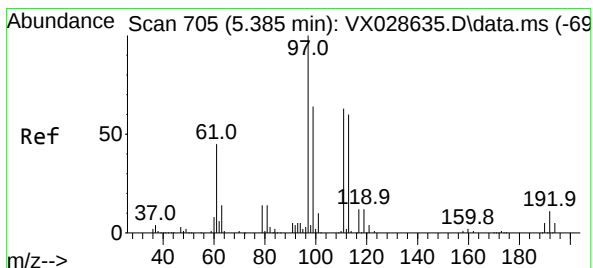
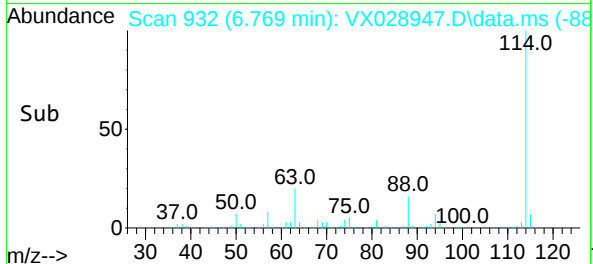
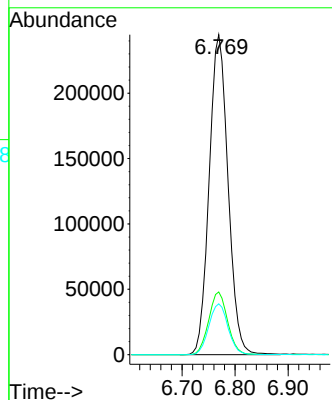
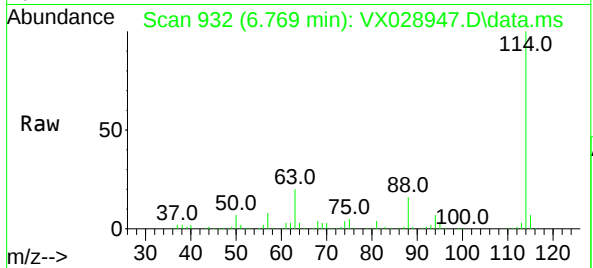




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

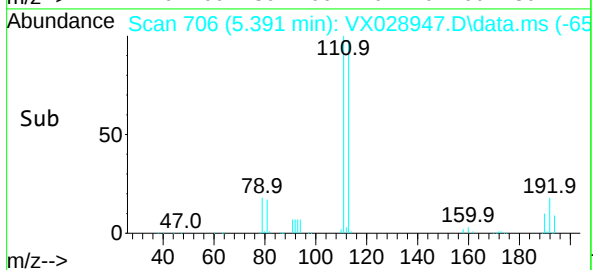
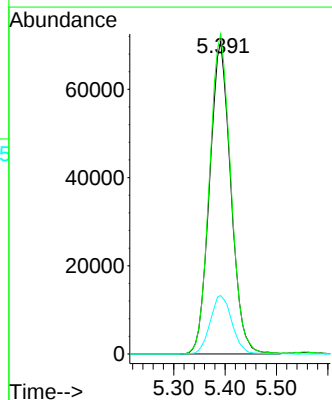
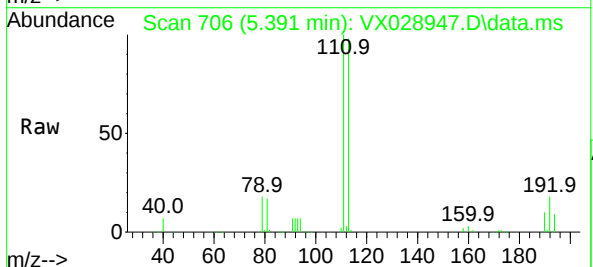
Instrument :
MSVOA_X
ClientSampleId :
24BR-20220520

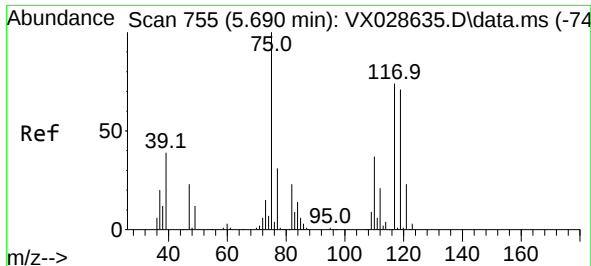
Tgt Ion:114 Resp: 604689
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.119 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion:113 Resp: 202526
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 19.2 16.9 25.3

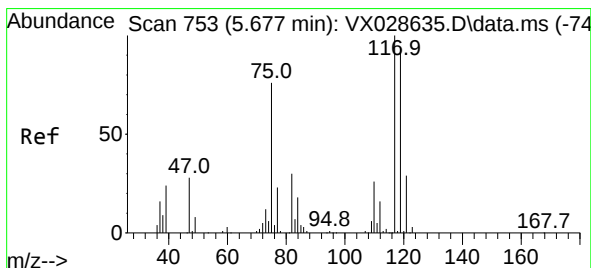
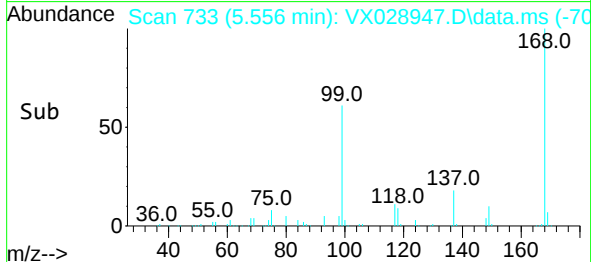
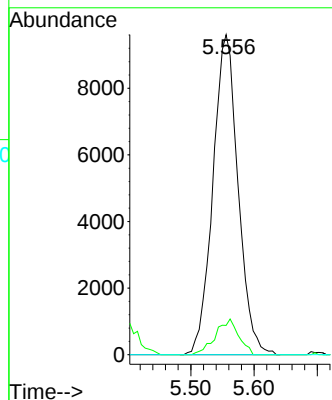
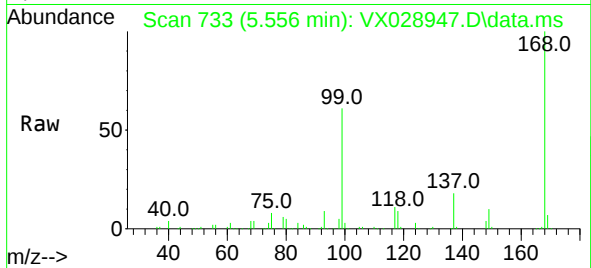




#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

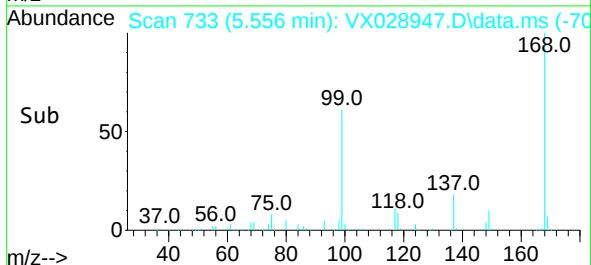
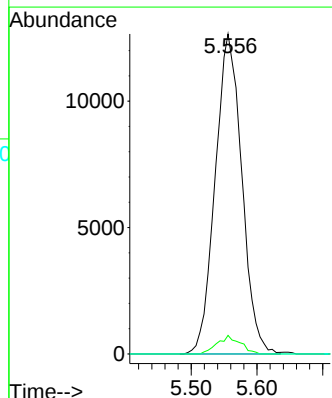
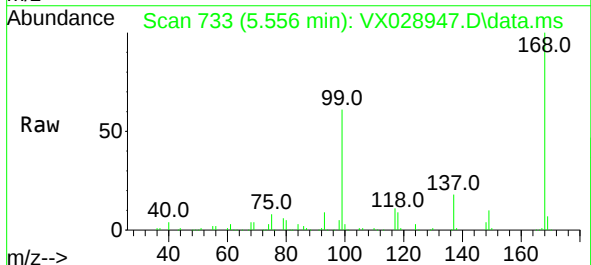
Instrument :
MSVOA_X
ClientSampleId :
24BR-20220520

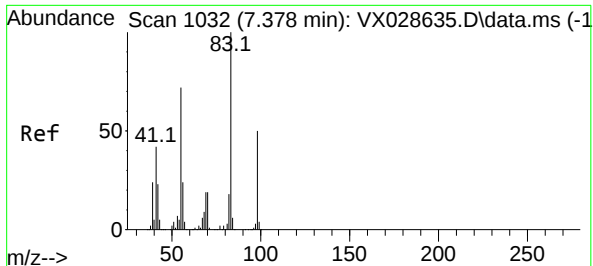
Tgt Ion: 75 Resp: 26528
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.948 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion: 117 Resp: 35620
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 90.347 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. -0.194 min

Lab File: VX028947.D

Acq: 25 May 2022 13:54

Instrument :

MSVOA_X

ClientSampleId :

24BR-20220520

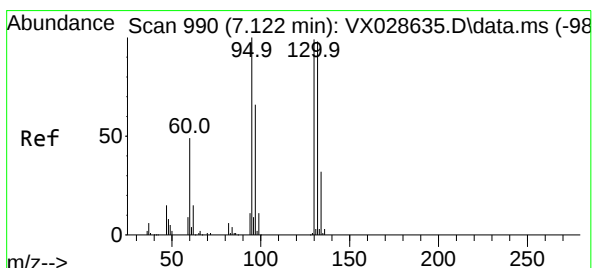
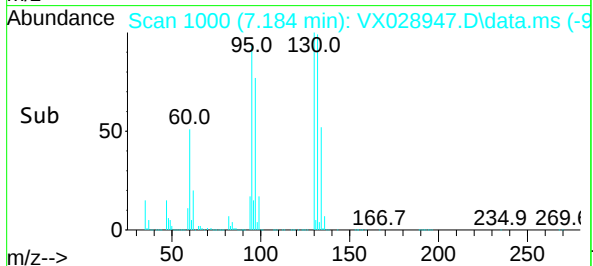
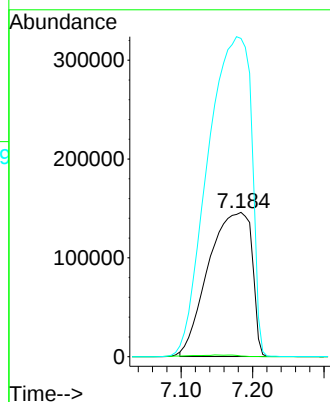
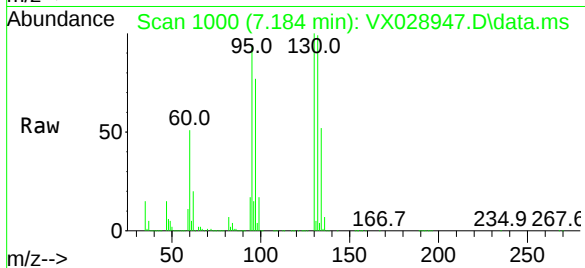
Tgt Ion: 83 Resp: 616547

Ion Ratio Lower Upper

83 100

55 0.4 54.6 81.8#

98 220.6 37.4 56.2#



#44

Trichloroethene

Concen: 7788.243 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. 0.062 min

Lab File: VX028947.D

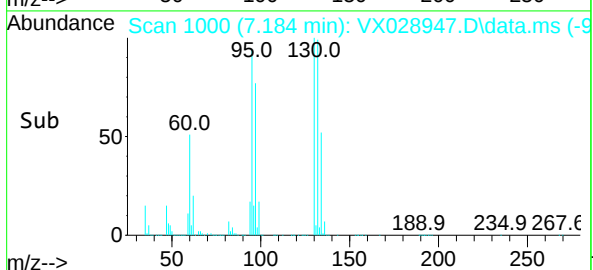
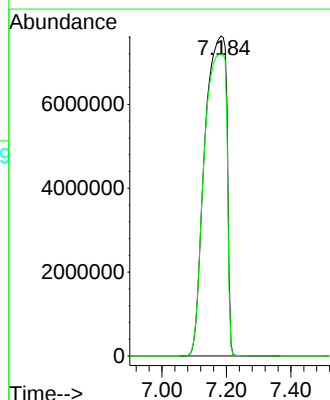
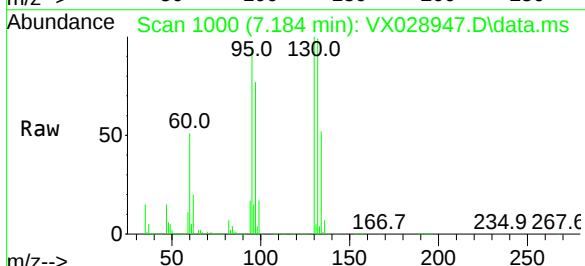
Acq: 25 May 2022 13:54

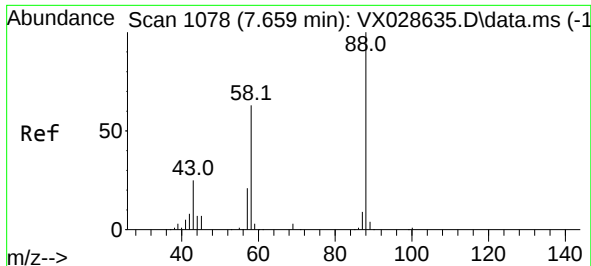
Tgt Ion:130 Resp:36123095

Ion Ratio Lower Upper

130 100

95 94.2 0.0 188.8





#49

1,4-Dioxane

Concen: 0.392 ug/l

RT: 7.677 min Scan# 1078

Delta R.T. 0.018 min

Lab File: VX028947.D

Acq: 25 May 2022 13:54

Instrument :

MSVOA_X

ClientSampleId :

24BR-20220520

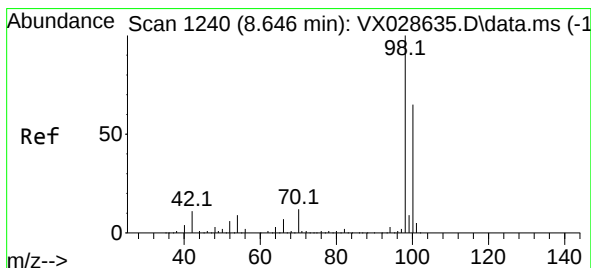
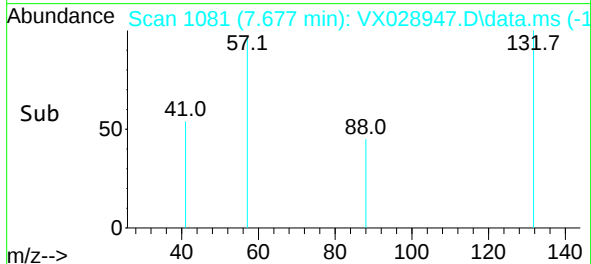
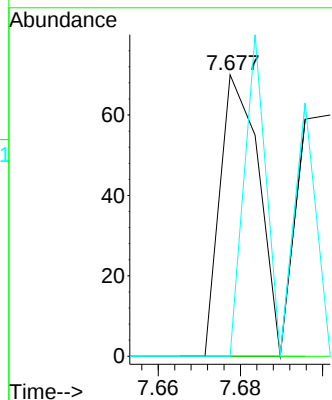
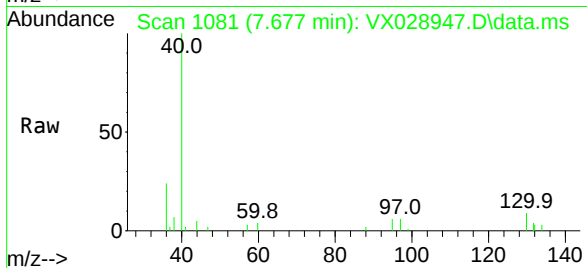
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 113.0 53.7 80.5#



#50

Toluene-d8

Concen: 48.219 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028947.D

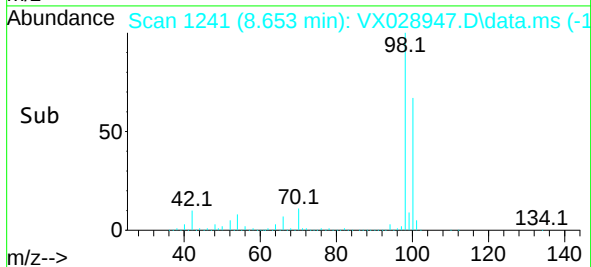
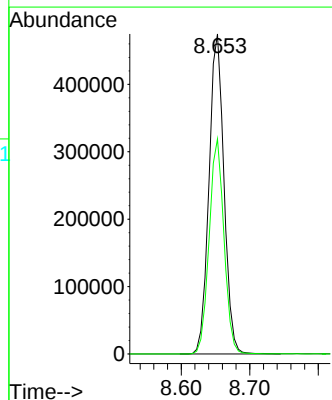
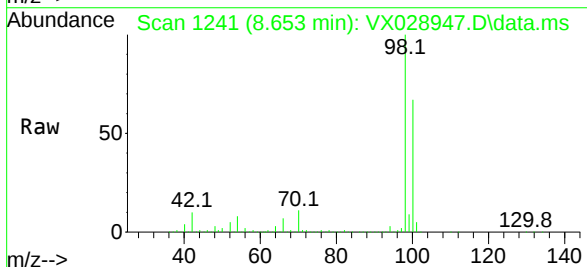
Acq: 25 May 2022 13:54

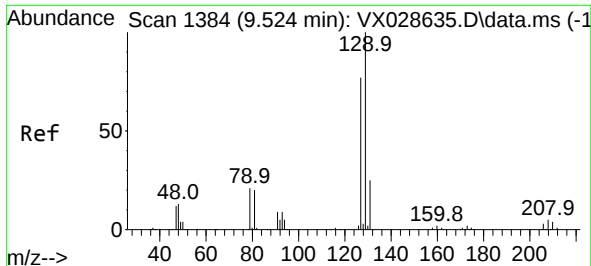
Tgt Ion: 98 Resp: 720244

Ion Ratio Lower Upper

98 100

100 66.7 52.6 78.8

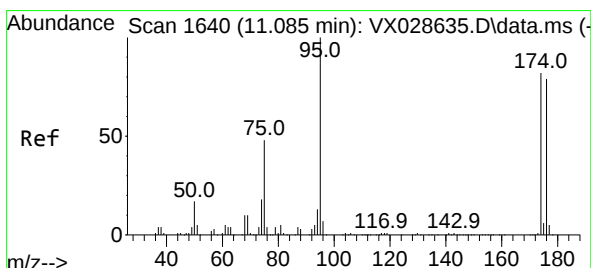
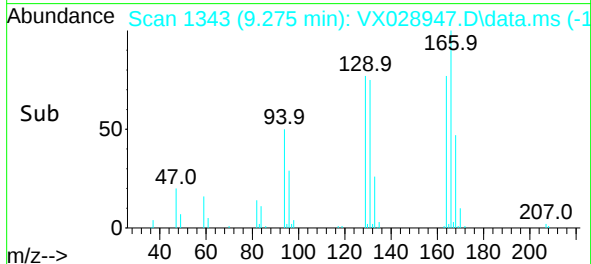
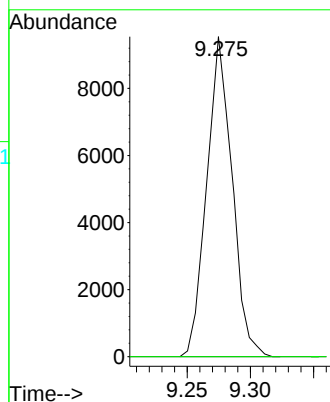
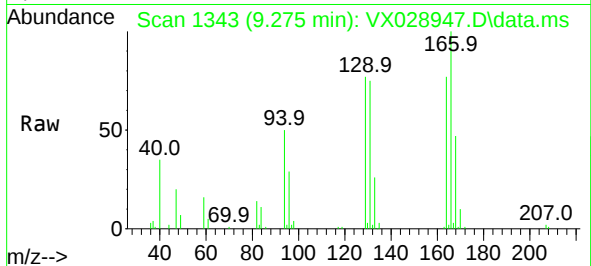




#60
Dibromochloromethane
Concen: 3.043 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.249 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

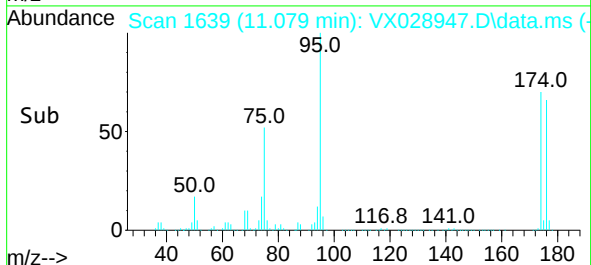
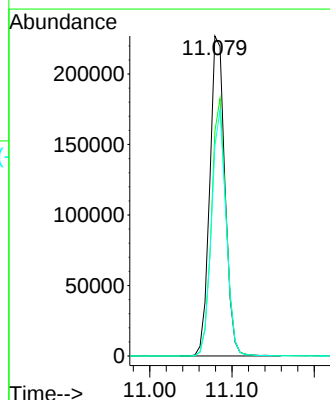
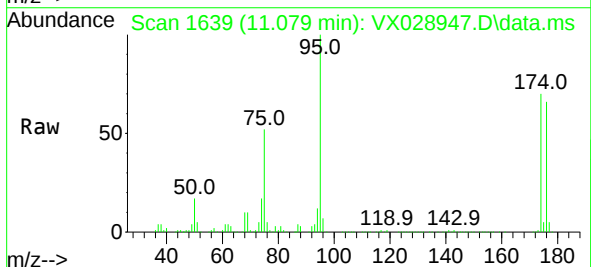
Instrument :
MSVOA_X
ClientSampleId :
24BR-20220520

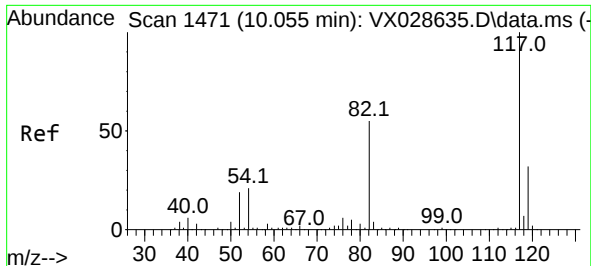
Tgt Ion:129 Resp: 13312
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 52.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion: 95 Resp: 290561
Ion Ratio Lower Upper
95 100
174 77.3 0.0 163.0
176 73.9 0.0 155.0

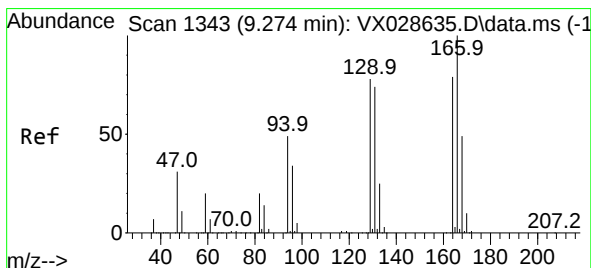
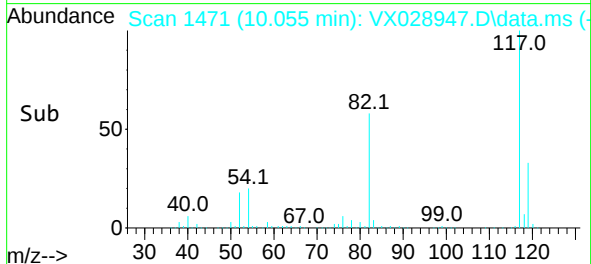
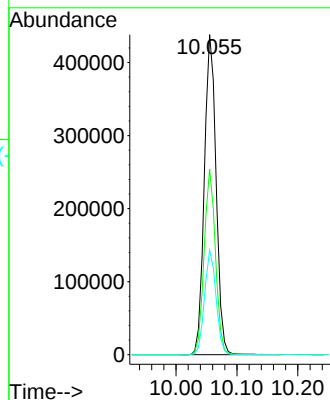
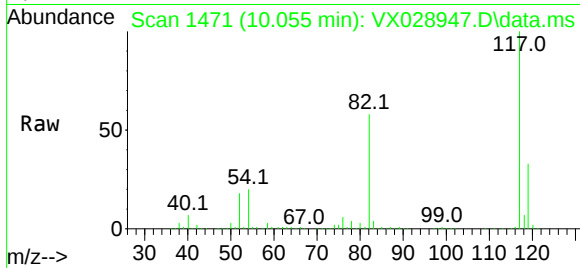




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

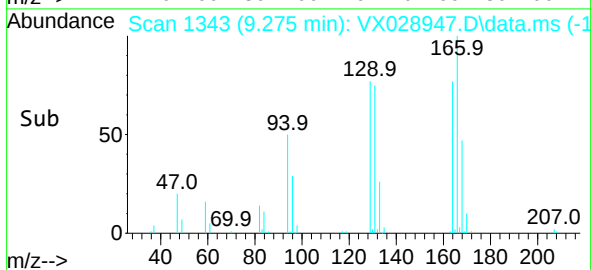
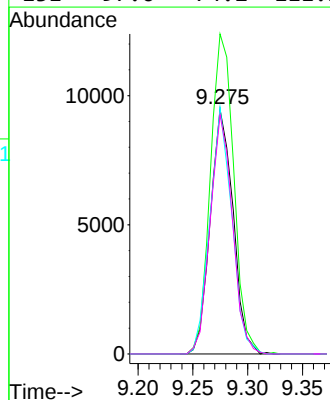
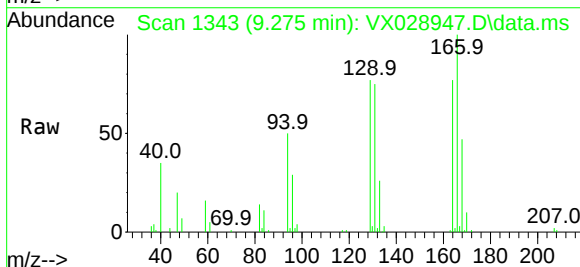
Instrument :
MSVOA_X
ClientSampleId :
24BR-20220520

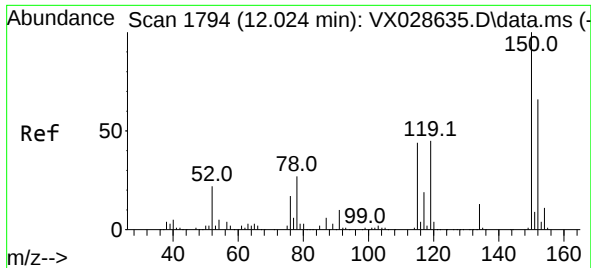
Tgt Ion:117 Resp: 589108
Ion Ratio Lower Upper
117 100
82 58.0 41.8 62.8
119 32.6 24.8 37.2



#64
Tetrachloroethene
Concen: 3.075 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX028947.D
Acq: 25 May 2022 13:54

Tgt Ion:164 Resp: 13678
Ion Ratio Lower Upper
164 100
166 130.7 101.2 151.8
129 100.7 73.0 109.4
131 97.6 74.2 111.2

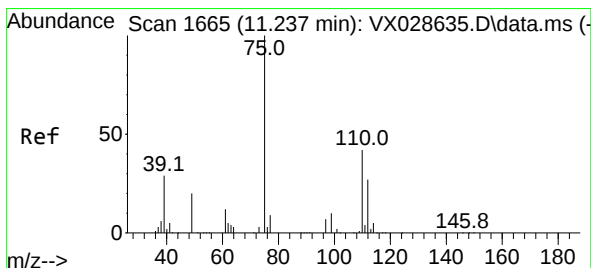
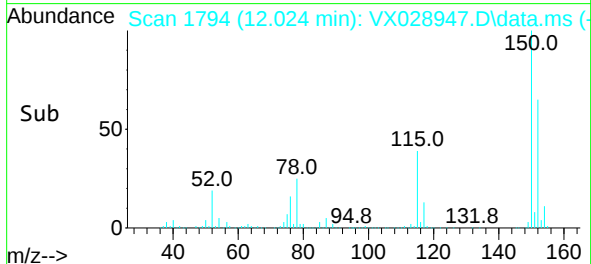
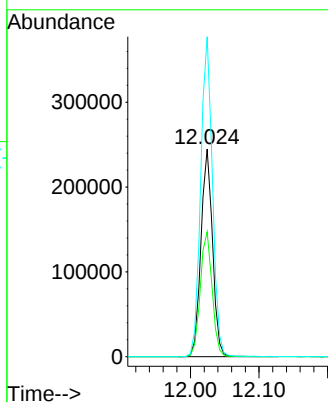
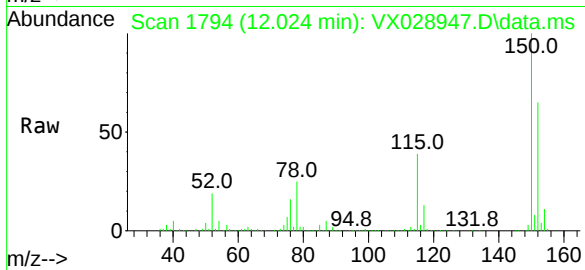




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028947.D
 Acq: 25 May 2022 13:54

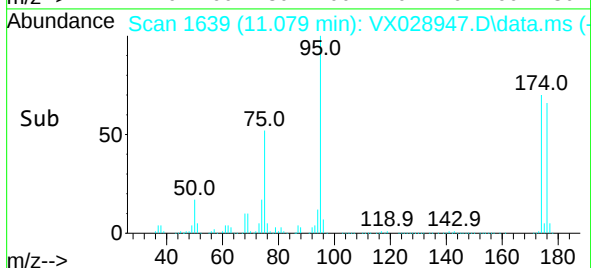
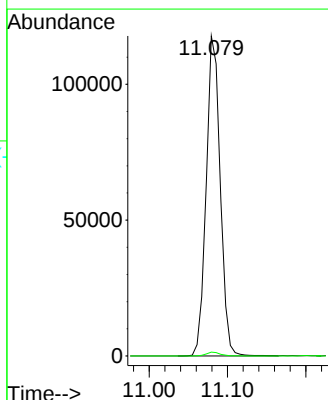
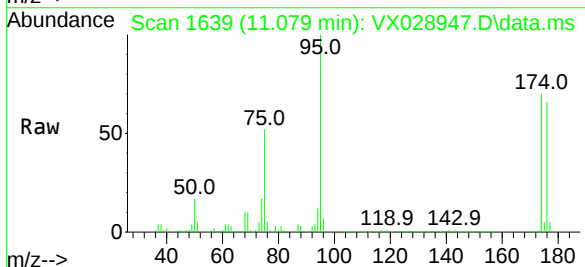
Instrument :
 MSVOA_X
 ClientSampleId :
 24BR-20220520

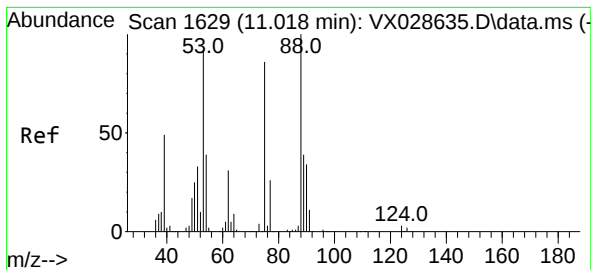
Tgt Ion:152 Resp: 288307
 Ion Ratio Lower Upper
 152 100
 115 61.5 37.5 112.7
 150 156.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 21.662 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028947.D
 Acq: 25 May 2022 13:54

Tgt Ion: 75 Resp: 146257
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.490 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028947.D
 Acq: 25 May 2022 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 24BR-20220520

Tgt Ion: 75 Resp: 146257
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

