

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028945.D
 Acq On : 25 May 2022 13:08
 Operator : JC/MD
 Sample : N2983-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20220520

Quant Time: May 26 05:43:40 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)

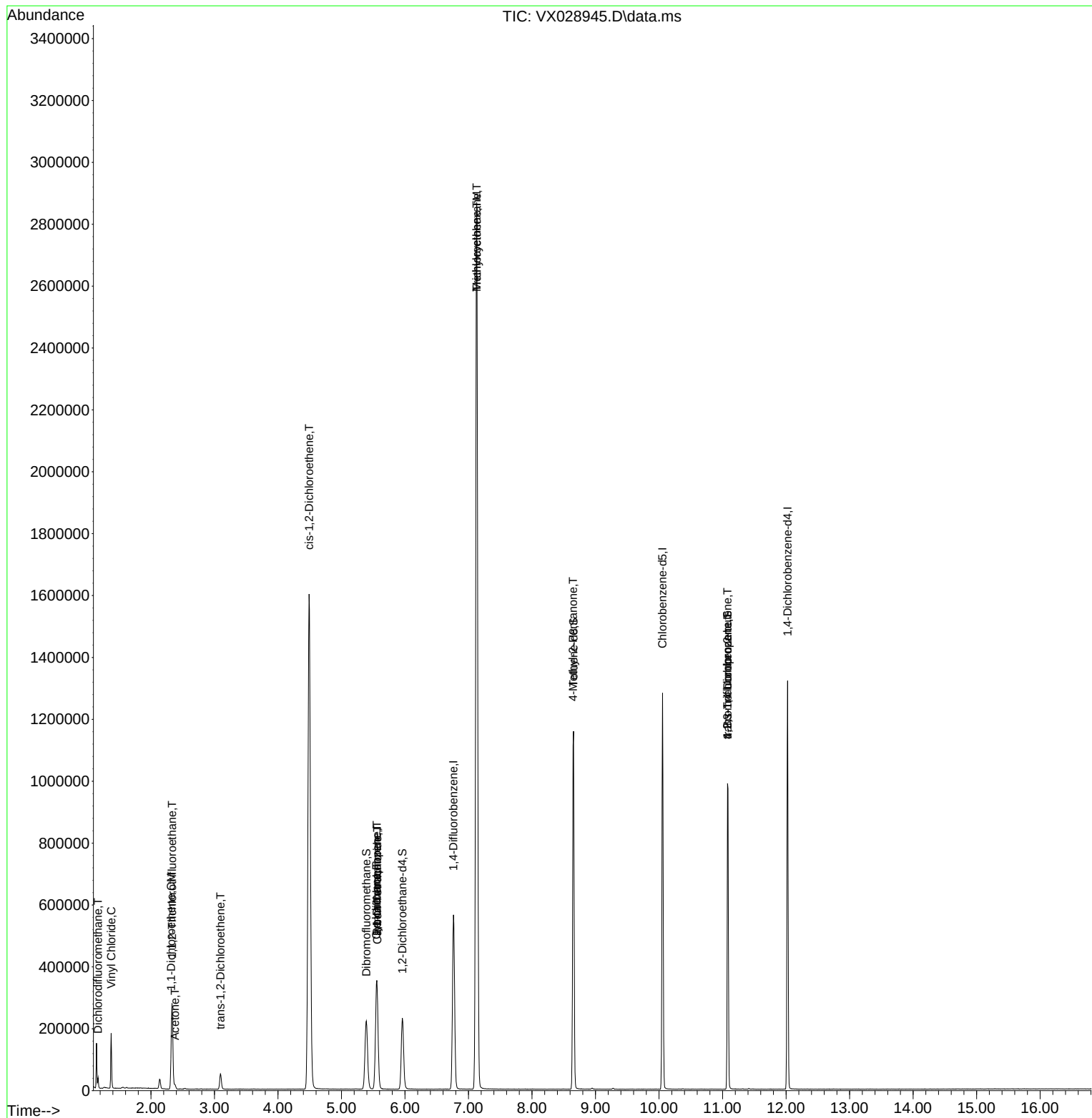
Internal Standards						
1) Pentafluorobenzene	5.556	168	329261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	584990	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	570300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	266380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	226597	50.205	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.420%	
35) Dibromofluoromethane	5.391	113	196529	51.276	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.560%	
50) Toluene-d8	8.653	98	699698	48.421	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.840%	
62) 4-Bromofluorobenzene	11.079	95	275419	51.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.060%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	15040	3.488	ug/l	97
4) Vinyl Chloride	1.374	62	104528	23.889	ug/l	100
5) Bromomethane	1.617	94	1260	Below Cal		97
6) Chloroethane	1.556	64	570	Below Cal	#	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	100111	27.270	ug/l	98
11) Tert butyl alcohol	2.959	59	240	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	13410	3.935	ug/l	90
16) Acetone	2.380	43	13096	6.761	ug/l	# 84
21) trans-1,2-Dichloroethene	3.093	96	20609	5.369	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	1045837	233.287	ug/l	89
31) Cyclohexane	5.550	56	6318	1.008	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	25543	4.437	ug/l	# 50
38) Carbon Tetrachloride	5.562	117	34548	5.963	ug/l	# 15
39) Methylcyclohexane	7.129	83	13263	2.009	ug/l	# 1
44) Trichloroethene	7.129	130	1132069	252.296	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2638	0.426	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	141127	22.622	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	141127	66.134	ug/l	# 15

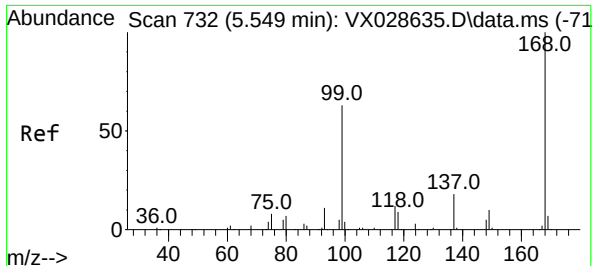
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

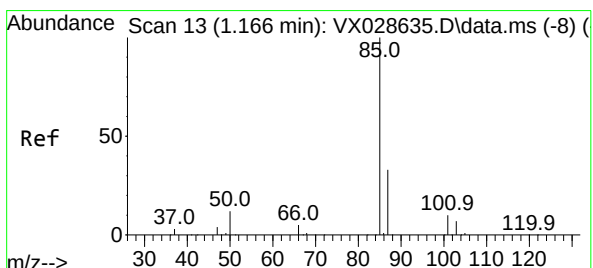
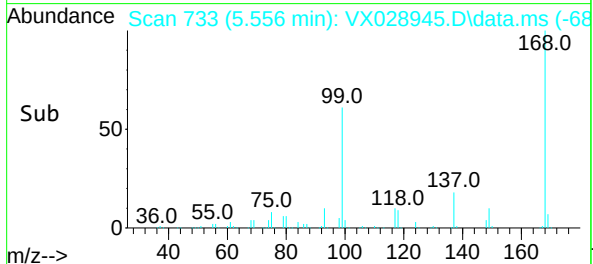
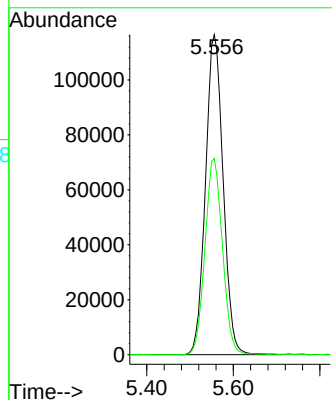
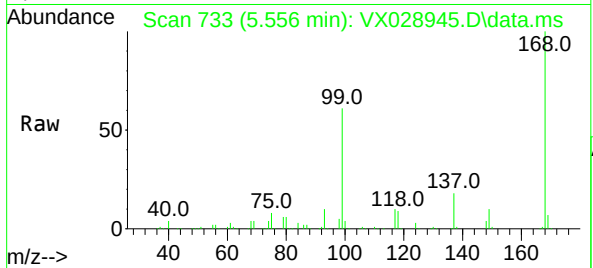




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

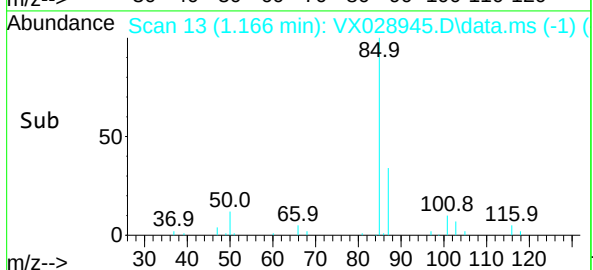
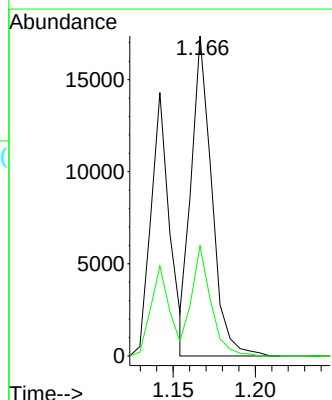
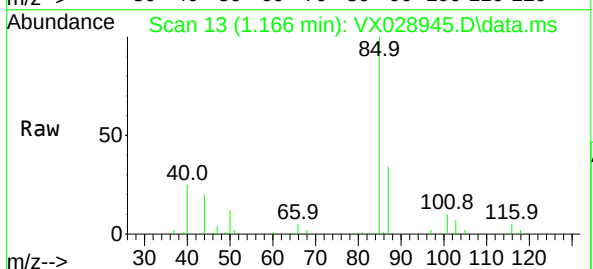
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

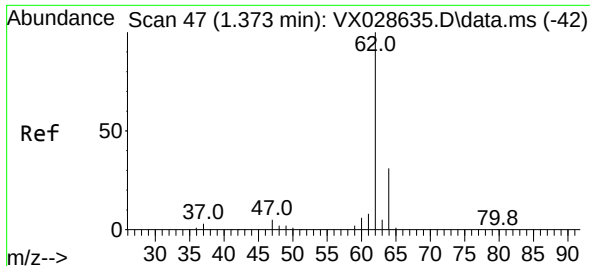
Tgt Ion:168 Resp: 329261
Ion Ratio Lower Upper
168 100
99 61.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 3.488 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion: 85 Resp: 15040
Ion Ratio Lower Upper
85 100
87 34.3 16.2 48.6

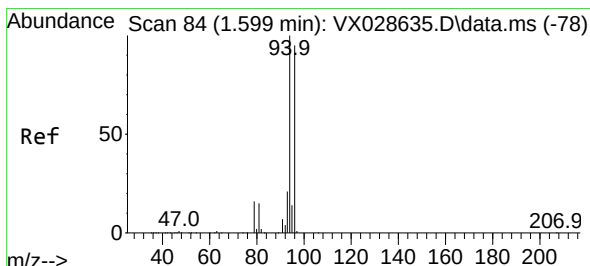
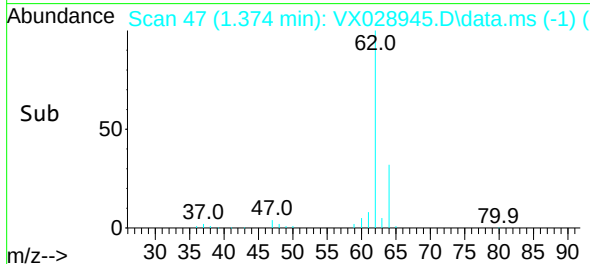
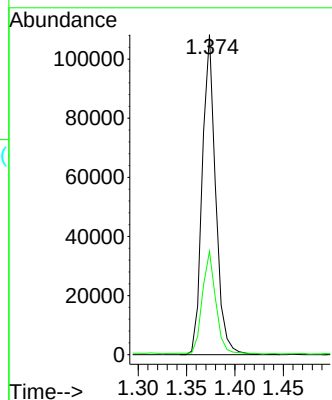
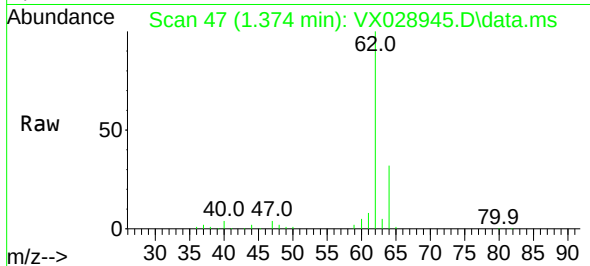




#4
 Vinyl Chloride
 Concen: 23.889 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX028945.D
 Acq: 25 May 2022 13:08

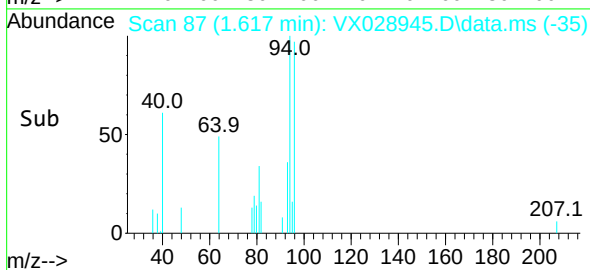
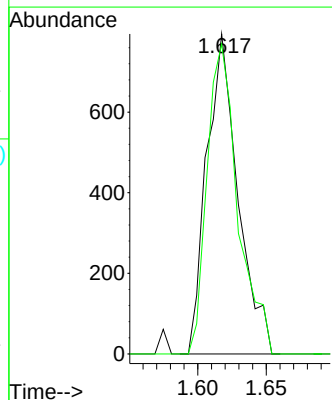
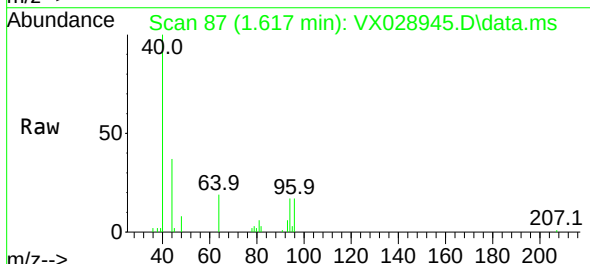
Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20220520

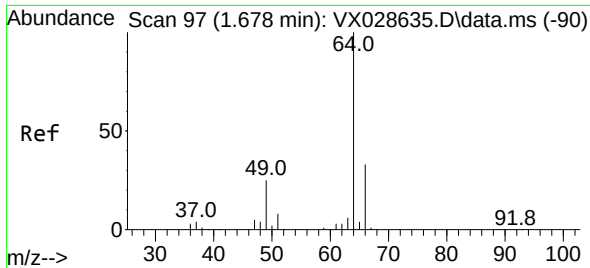
Tgt Ion: 62 Resp: 104528
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX028945.D
 Acq: 25 May 2022 13:08

Tgt Ion: 94 Resp: 1260
 Ion Ratio Lower Upper
 94 100
 96 96.9 75.3 112.9

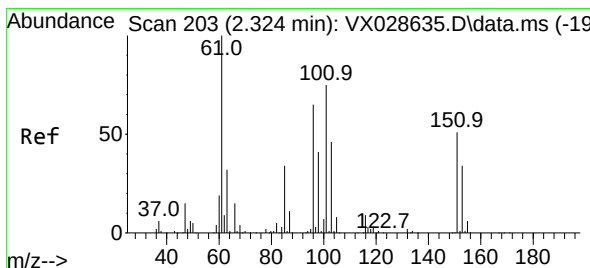
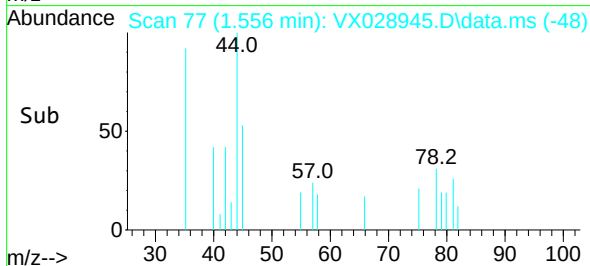
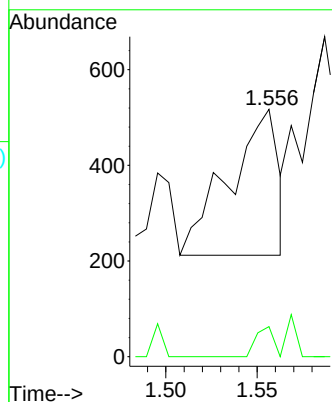
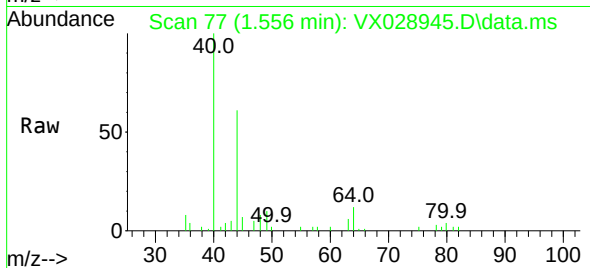




#6
Chloroethane
Concen: Below Cal
RT: 1.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

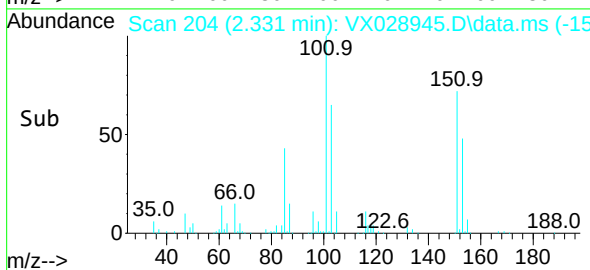
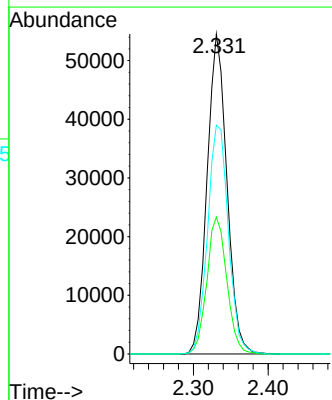
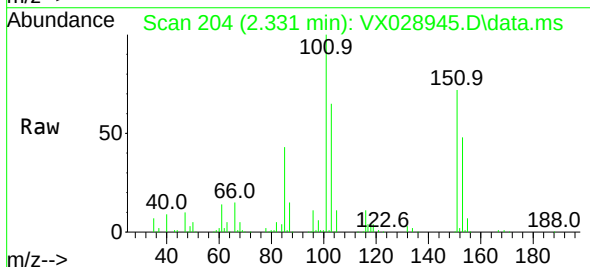
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

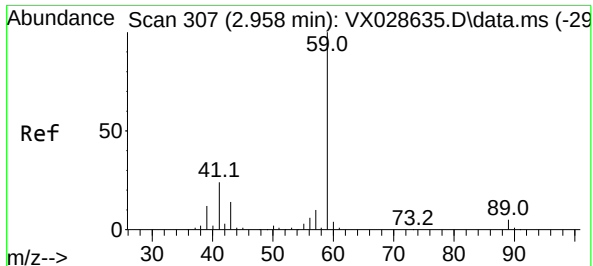
Tgt Ion: 64 Resp: 570
Ion Ratio Lower Upper
64 100
66 20.7 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.270 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion:101 Resp: 100111
Ion Ratio Lower Upper
101 100
85 43.2 33.5 50.3
151 75.4 61.8 92.6

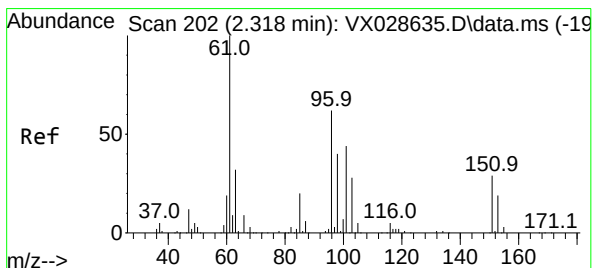
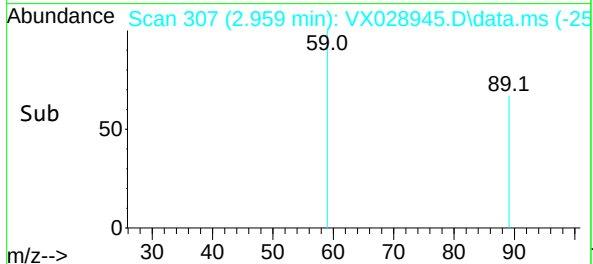
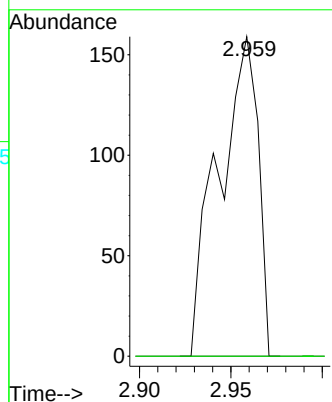
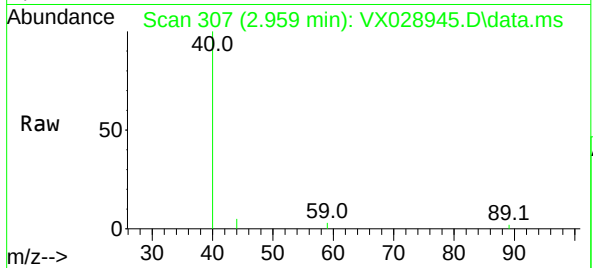




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

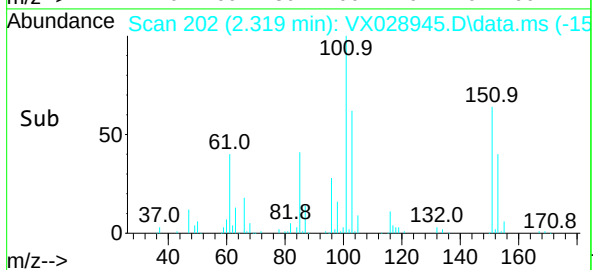
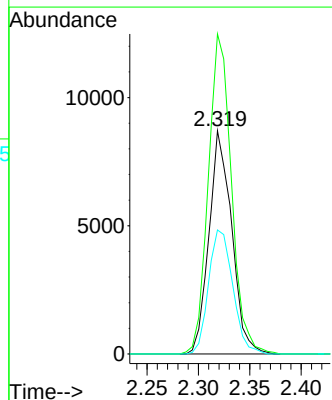
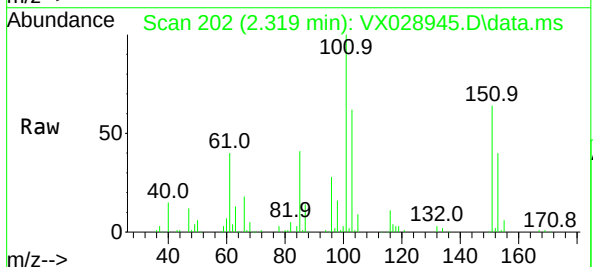
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

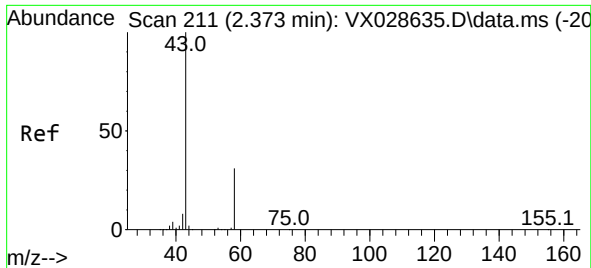
Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 3.935 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion: 96 Resp: 13410
Ion Ratio Lower Upper
96 100
61 143.4 124.6 187.0
98 55.5 51.0 76.4





#16

Acetone

Concen: 6.761 ug/l

RT: 2.380 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028945.D

Acq: 25 May 2022 13:08

Instrument :

MSVOA_X

ClientSampleId :

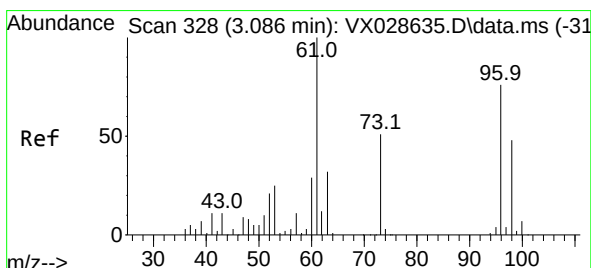
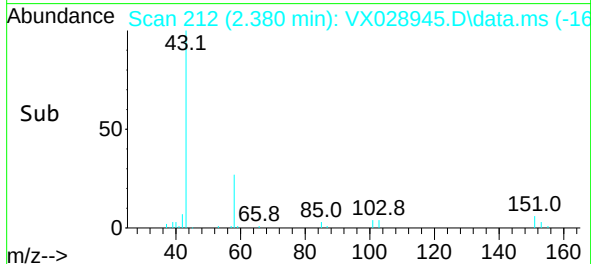
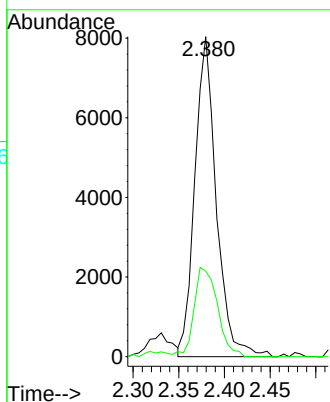
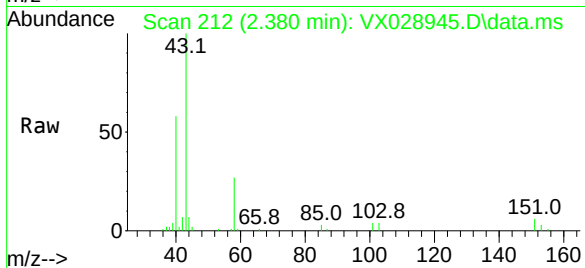
04BR-20220520

Tgt Ion: 43 Resp: 13096

Ion Ratio Lower Upper

43 100

58 26.8 28.8 43.2#



#21

trans-1,2-Dichloroethene

Concen: 5.369 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.007 min

Lab File: VX028945.D

Acq: 25 May 2022 13:08

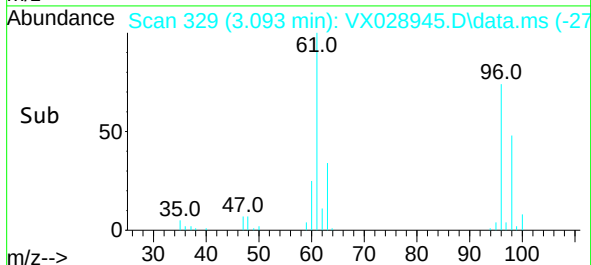
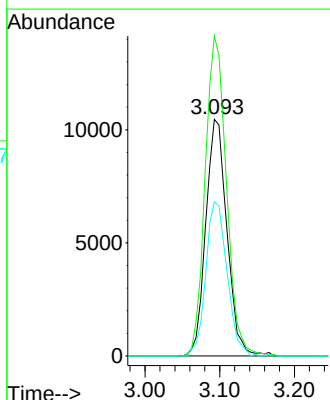
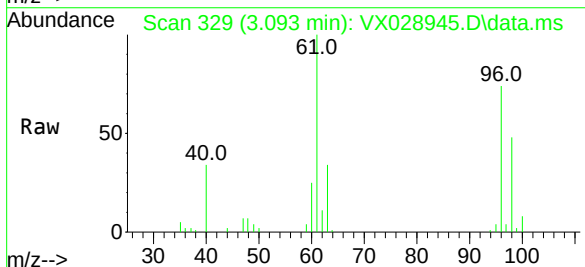
Tgt Ion: 96 Resp: 20609

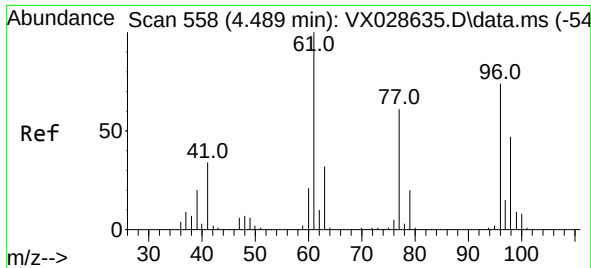
Ion Ratio Lower Upper

96 100

61 135.2 105.4 158.2

98 65.1 50.0 75.0



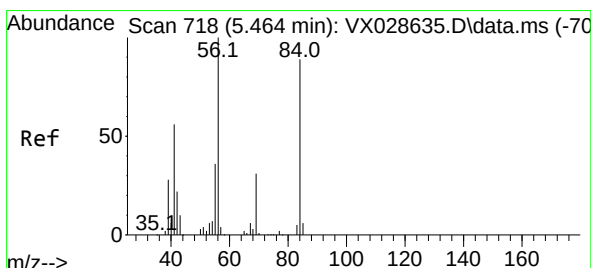
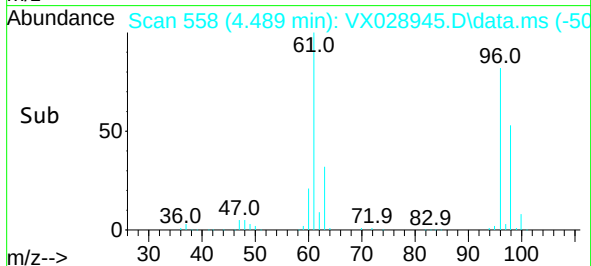
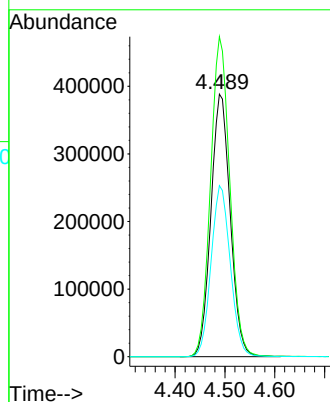
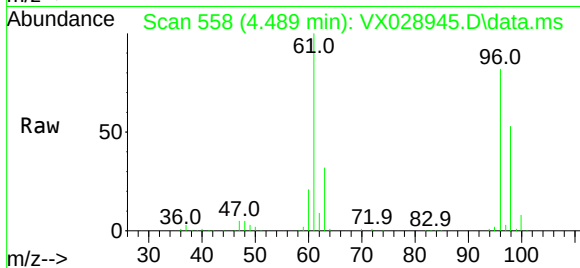


#27
 cis-1,2-Dichloroethene
 Concen: 233.287 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX028945.D
 Acq: 25 May 2022 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 04BR-20220520

Tgt Ion: 96 Resp: 1045837

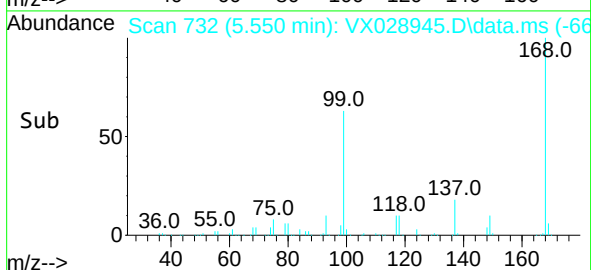
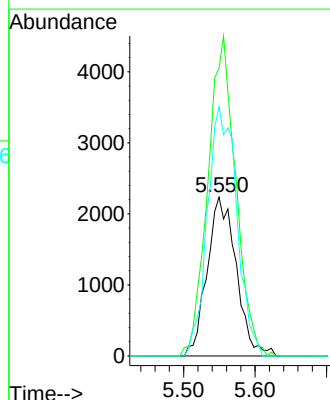
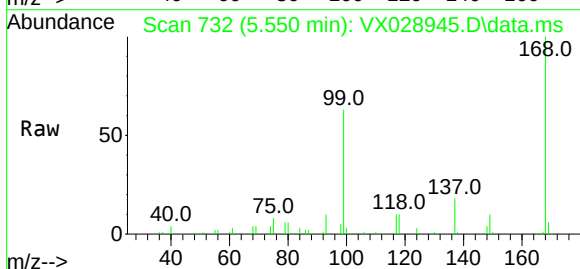
Ion	Ratio	Lower	Upper
96	100		
61	121.6	0.0	283.8
98	64.9	0.0	129.8

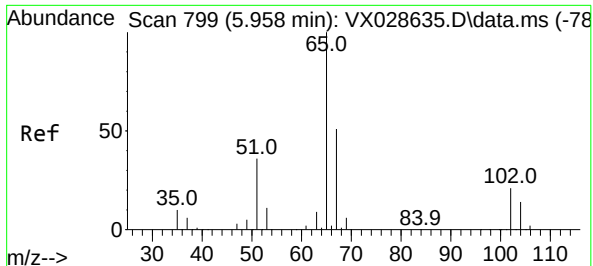


#31
 Cyclohexane
 Concen: 1.008 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.086 min
 Lab File: VX028945.D
 Acq: 25 May 2022 13:08

Tgt Ion: 56 Resp: 6318

Ion	Ratio	Lower	Upper
56	100		
69	181.3	26.7	40.1#
84	156.9	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 50.205 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028945.D

Acq: 25 May 2022 13:08

Instrument :

MSVOA_X

ClientSampleId :

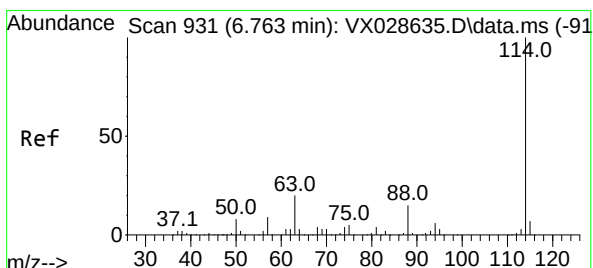
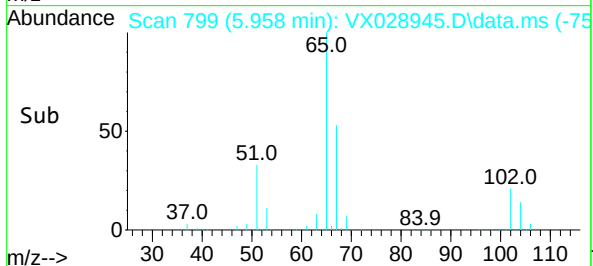
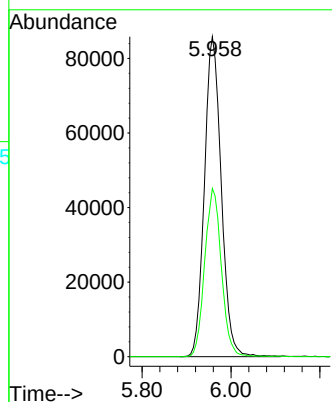
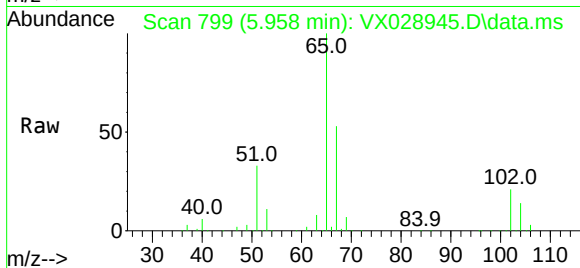
04BR-20220520

Tgt Ion: 65 Resp: 226597

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028945.D

Acq: 25 May 2022 13:08

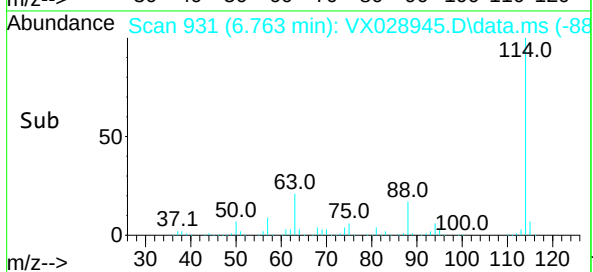
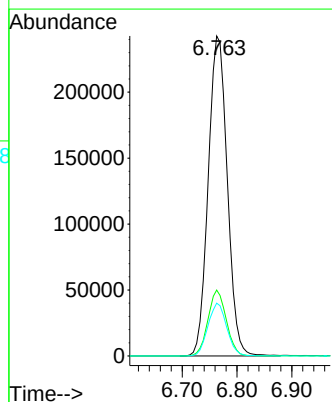
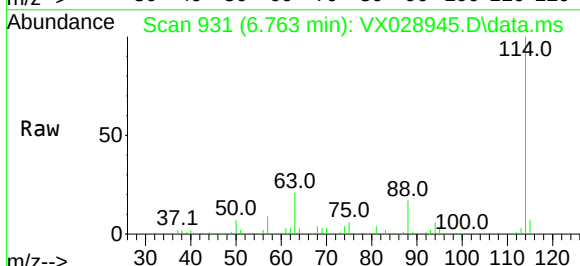
Tgt Ion: 114 Resp: 584990

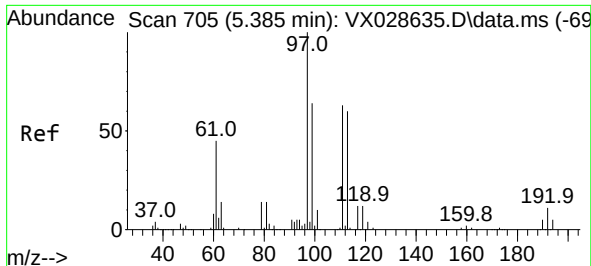
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.276 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028945.D

Acq: 25 May 2022 13:08

Instrument :

MSVOA_X

ClientSampleId :

04BR-20220520

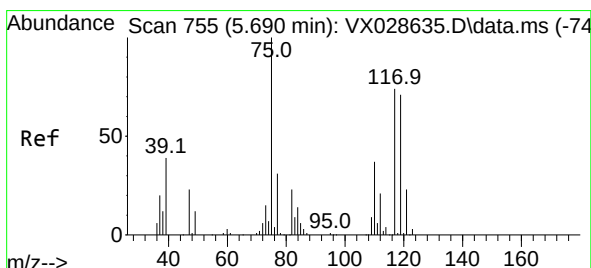
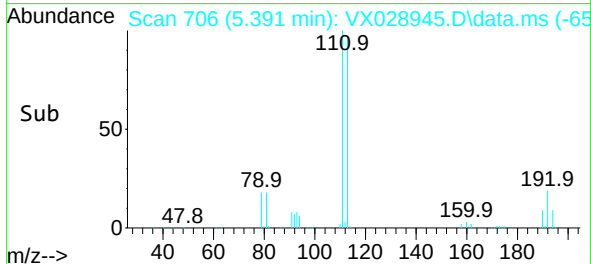
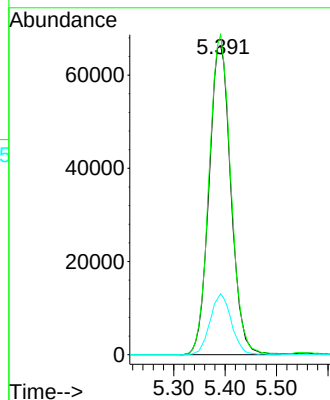
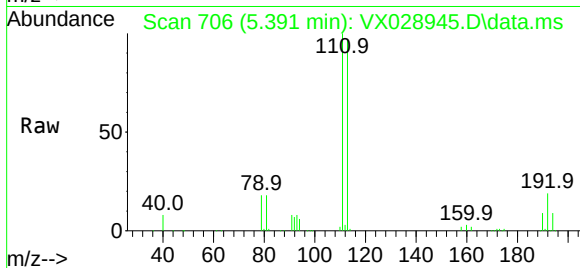
Tgt Ion:113 Resp: 196529

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 19.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.437 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028945.D

Acq: 25 May 2022 13:08

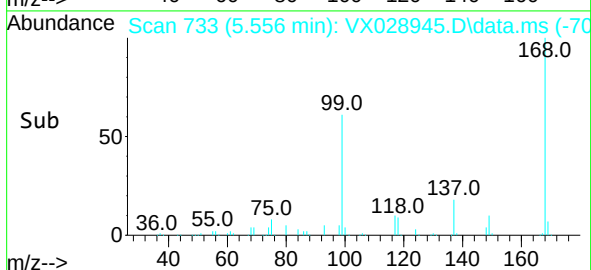
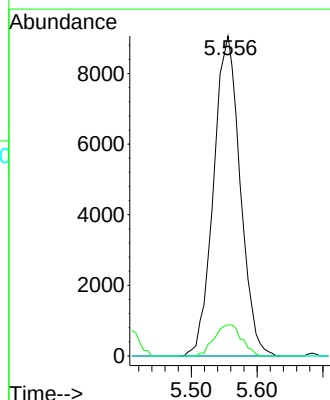
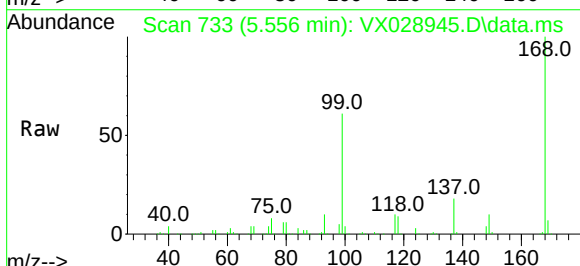
Tgt Ion: 75 Resp: 25543

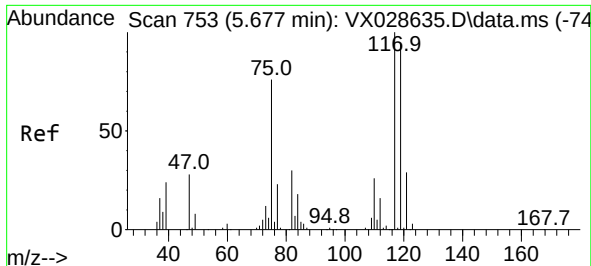
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 24.8 37.2#

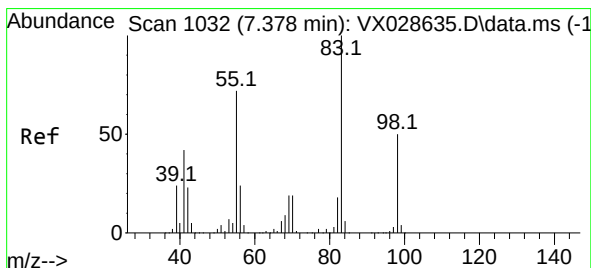
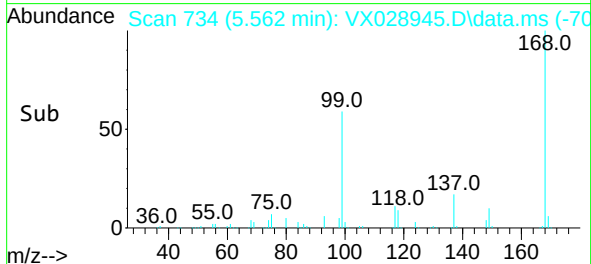
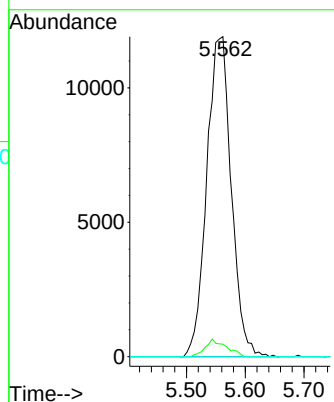
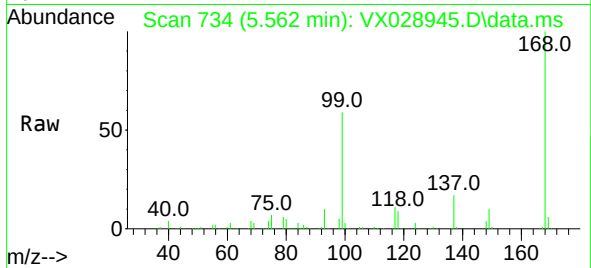




#38
Carbon Tetrachloride
Concen: 5.963 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.115 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

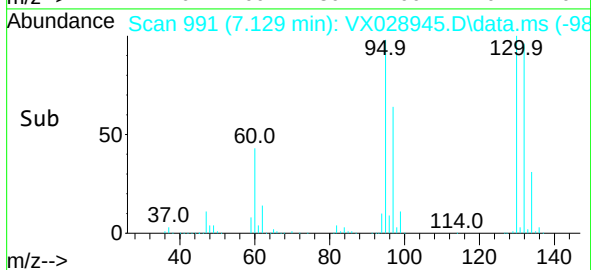
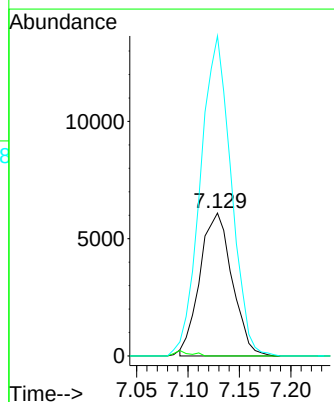
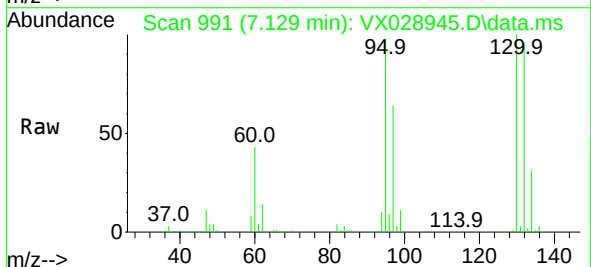
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

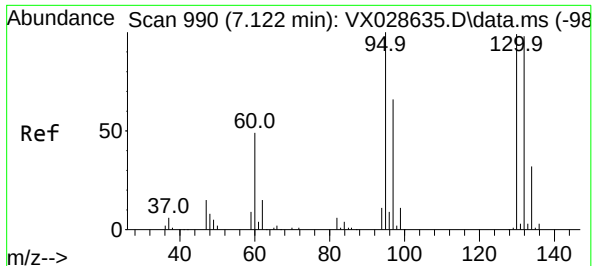
Tgt Ion:117 Resp: 34548
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 2.009 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.249 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion: 83 Resp: 13263
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 223.9 37.4 56.2#

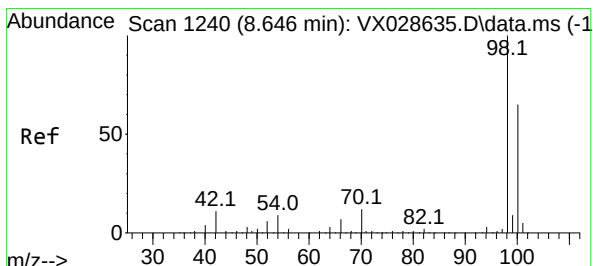
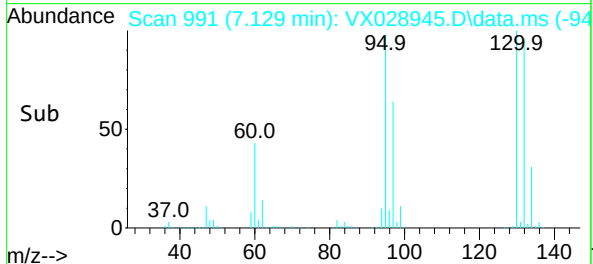
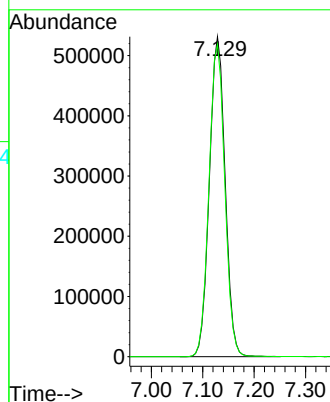
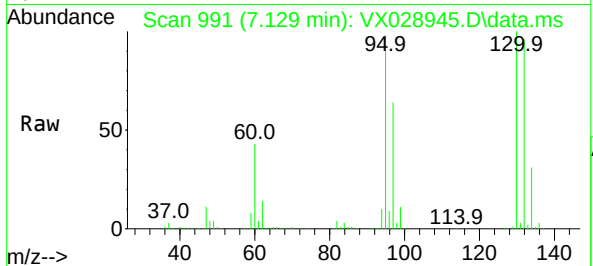




#44
Trichloroethene
Concen: 252.296 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

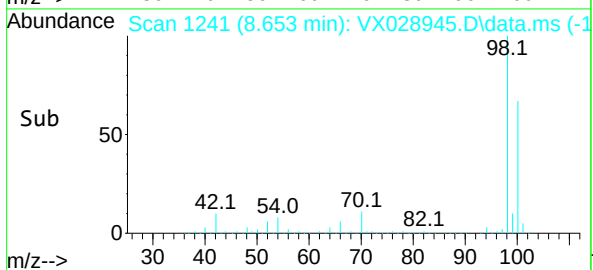
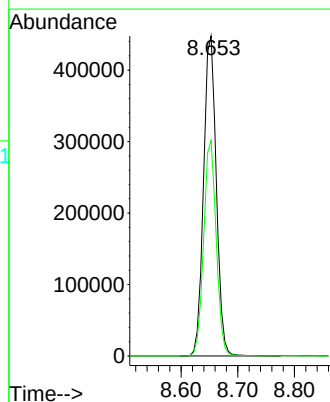
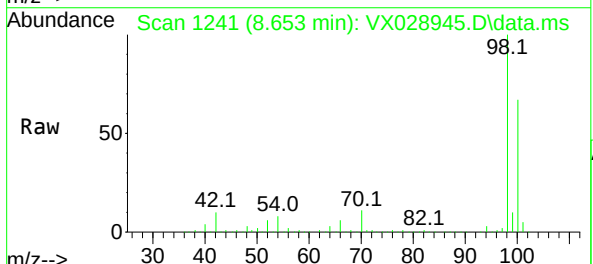
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

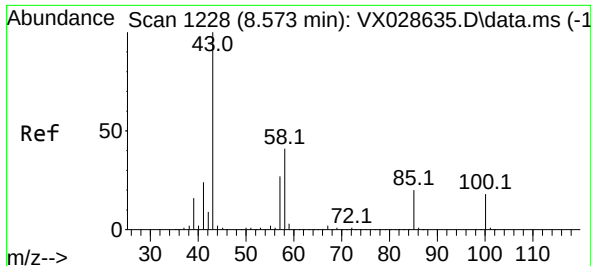
Tgt Ion:130 Resp: 1132069
Ion Ratio Lower Upper
130 100
95 97.6 0.0 188.8



#50
Toluene-d8
Concen: 48.421 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion: 98 Resp: 699698
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8

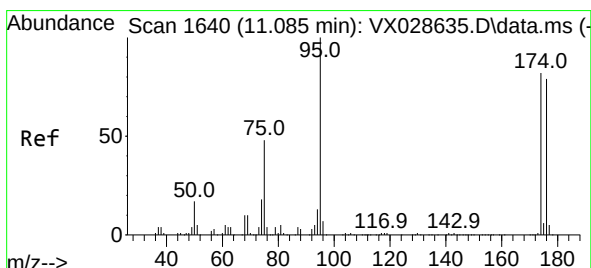
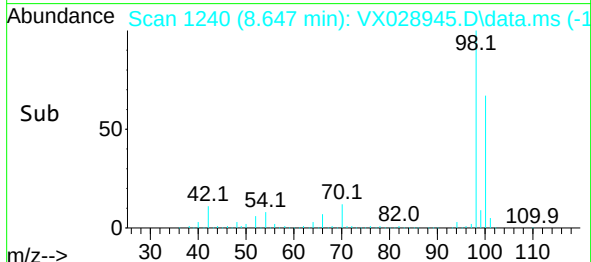
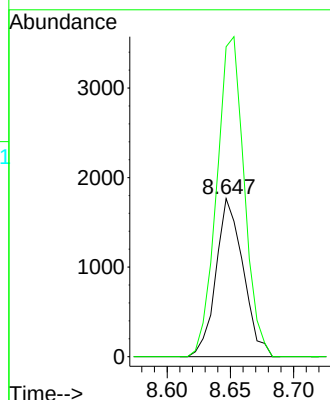
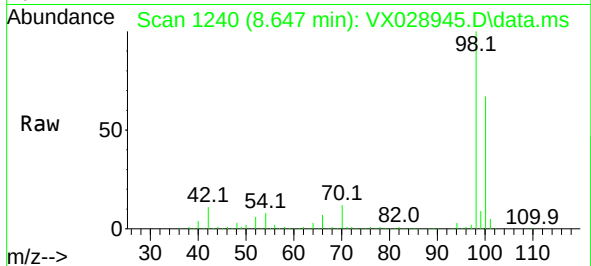




#51
4-Methyl-2-Pentanone
Concen: 0.426 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

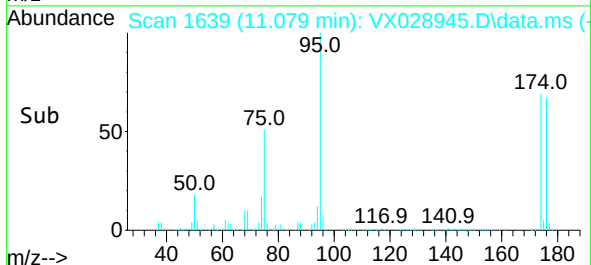
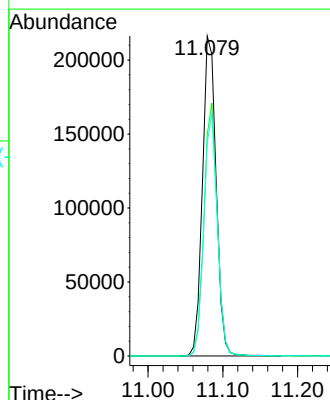
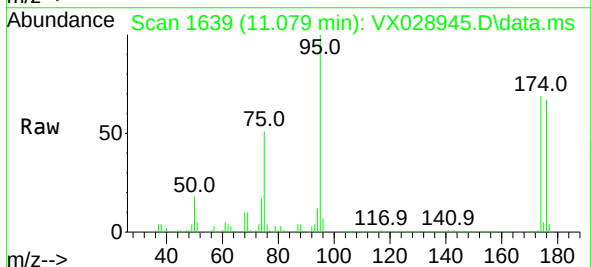
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

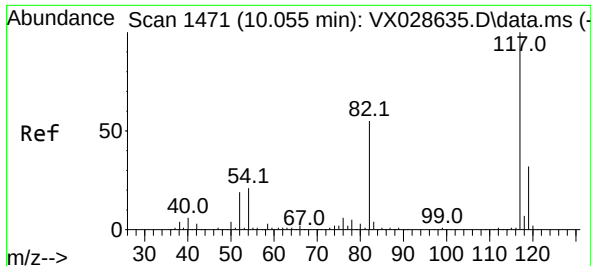
Tgt Ion: 43 Resp: 2638
Ion Ratio Lower Upper
43 100
58 204.6 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 51.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion: 95 Resp: 275419
Ion Ratio Lower Upper
95 100
174 76.9 0.0 163.0
176 74.6 0.0 155.0

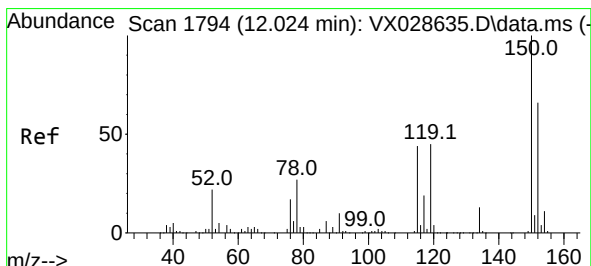
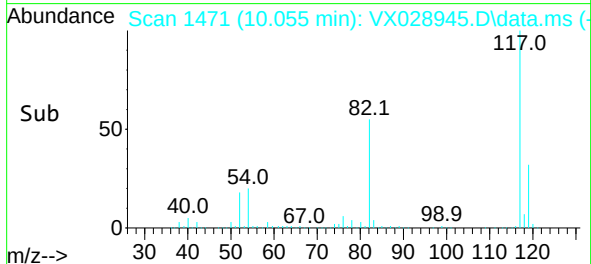
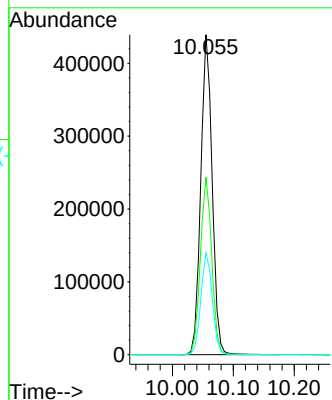
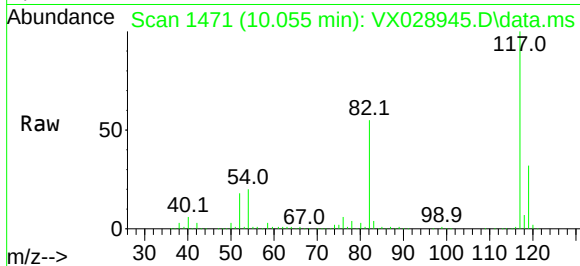




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

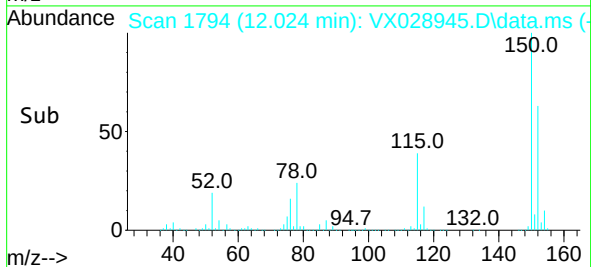
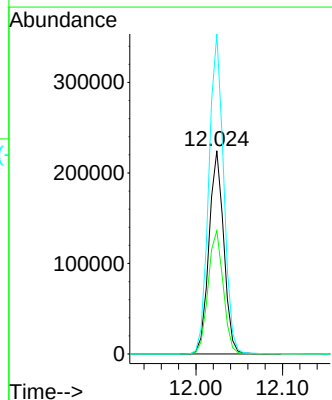
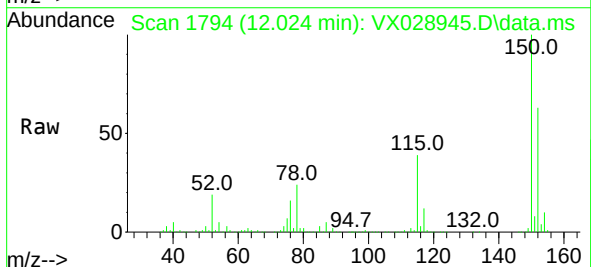
Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

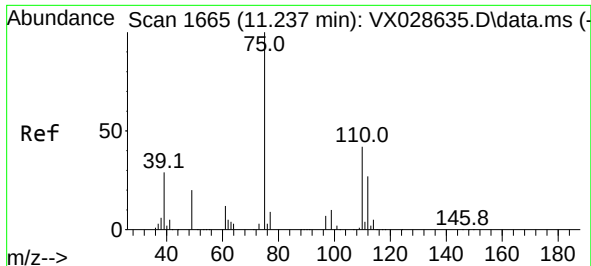
Tgt Ion:117 Resp: 570300
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion:152 Resp: 266380
Ion Ratio Lower Upper
152 100
115 61.9 37.5 112.7
150 158.0 0.0 338.2

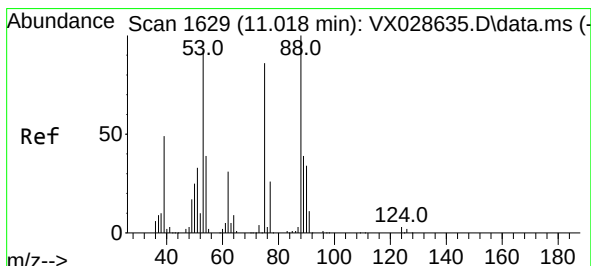
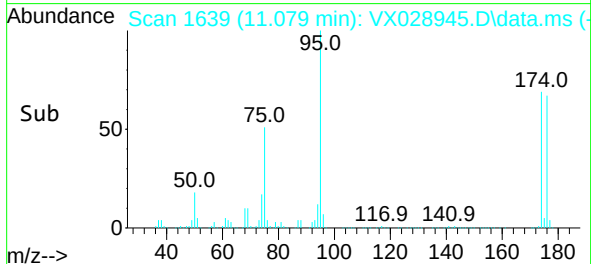
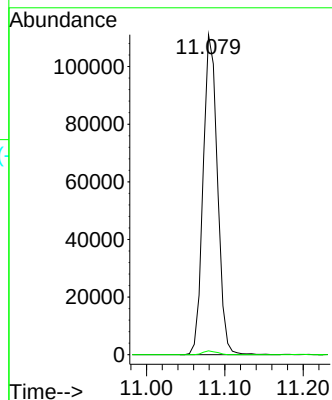
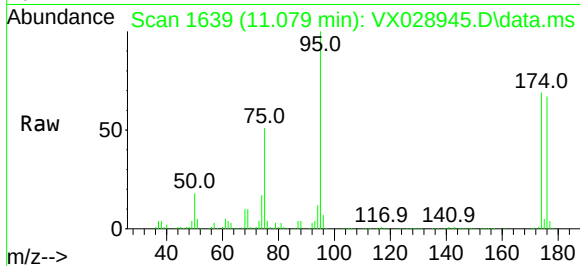




#76
1,2,3-Trichloropropane
Concen: 22.622 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Instrument :
MSVOA_X
ClientSampleId :
04BR-20220520

Tgt Ion: 75 Resp: 141127
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.134 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028945.D
Acq: 25 May 2022 13:08

Tgt Ion: 75 Resp: 141127
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

