

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029054.D
 Acq On : 28 May 2022 04:02
 Operator : JC/MD
 Sample : N3022-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20220525

Quant Time: May 28 08:38:48 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	335069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	589900	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	557253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	256087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	216033	47.035	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.080%
35) Dibromofluoromethane	5.391	113	196175	50.758	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.520%
50) Toluene-d8	8.653	98	696191	47.777	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.560%
62) 4-Bromofluorobenzene	11.079	95	268031	49.247	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	966	0.220	ug/l	80
3) Chloromethane	1.294	50	965	0.234	ug/l #	82
4) Vinyl Chloride	1.373	62	3760	0.844	ug/l	97
5) Bromomethane	1.617	94	1049	Below Cal		96
6) Chloroethane	1.666	64	729	Below Cal #		43
9) 1,1,2-Trichlorotrifluo...	2.337	101	801	0.214	ug/l	98
11) Tert butyl alcohol	2.940	59	302	Below Cal #		72
14) Allyl chloride	2.562	41	1214	0.218	ug/l #	53
16) Acetone	2.379	43	3405	1.727	ug/l	95
20) Methylene Chloride	2.800	84	1034	0.250	ug/l #	79
27) cis-1,2-Dichloroethene	4.495	96	45834	10.047	ug/l	87
30) Chloroform	5.098	83	2634	0.352	ug/l	95
31) Cyclohexane	5.556	56	6096	0.956	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24757	4.265	ug/l #	49
38) Carbon Tetrachloride	5.549	117	33526	5.739	ug/l #	16
44) Trichloroethene	7.128	130	36978	8.172	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	2656	0.425	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	131838	21.983	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	131838	64.374	ug/l #	15

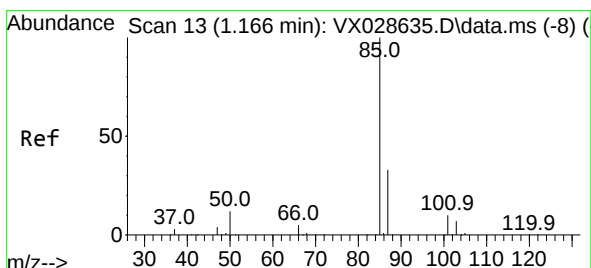
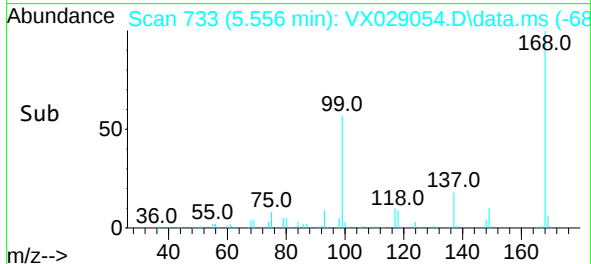
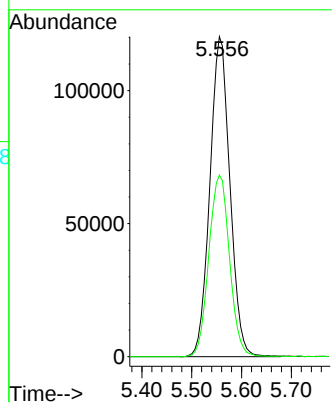
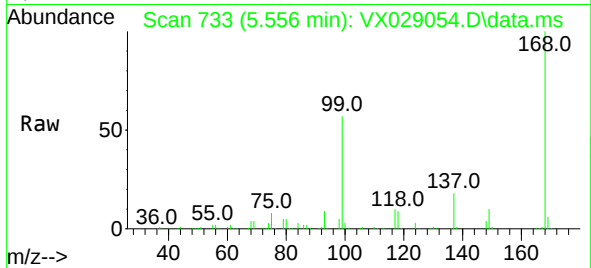
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

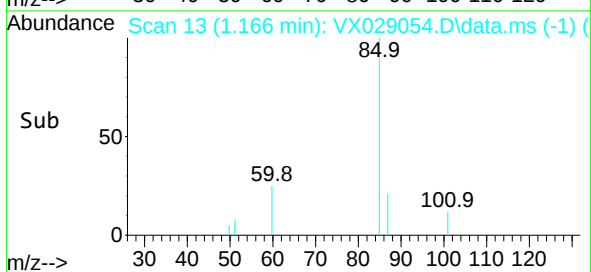
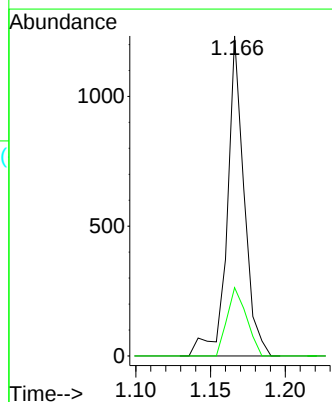
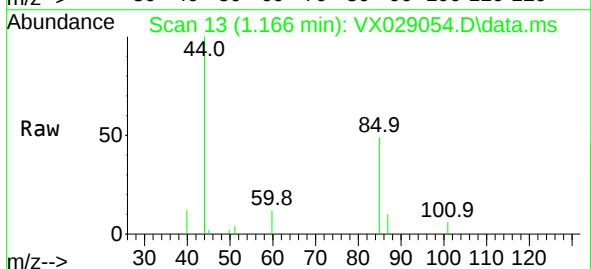
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

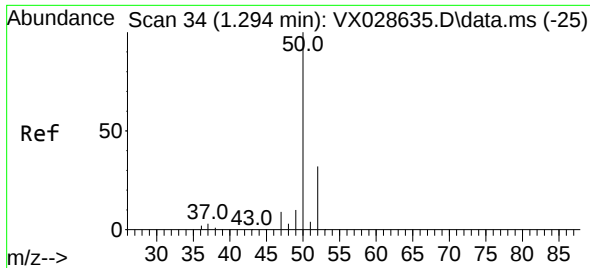
Tgt Ion:168 Resp: 335069
Ion Ratio Lower Upper
168 100
99 56.8 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.220 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion: 85 Resp: 966
Ion Ratio Lower Upper
85 100
87 21.3 16.2 48.6

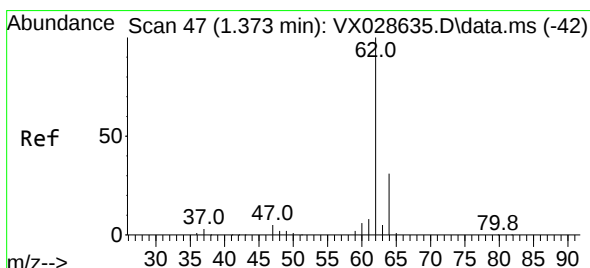
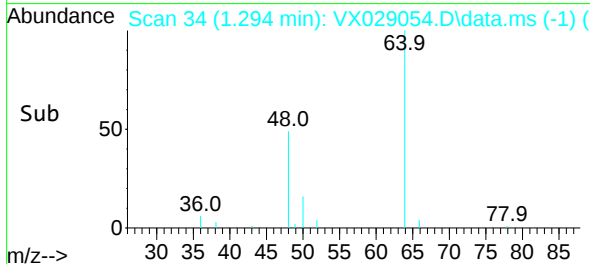
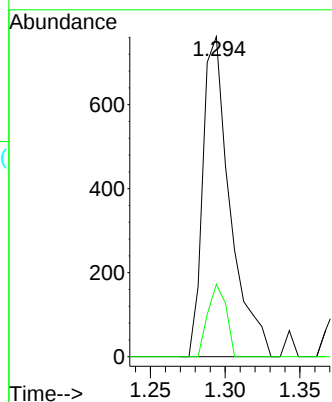
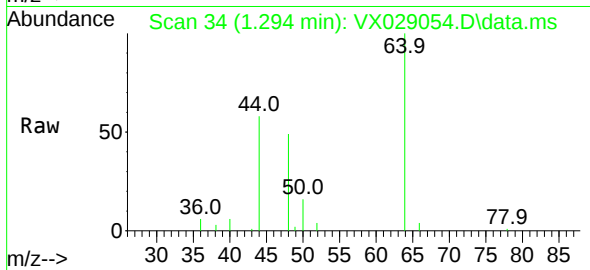




#3
Chloromethane
Concen: 0.234 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

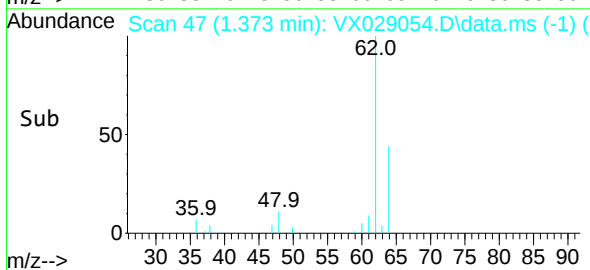
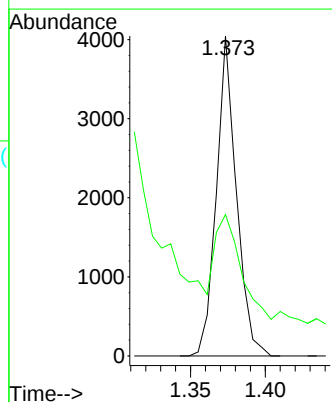
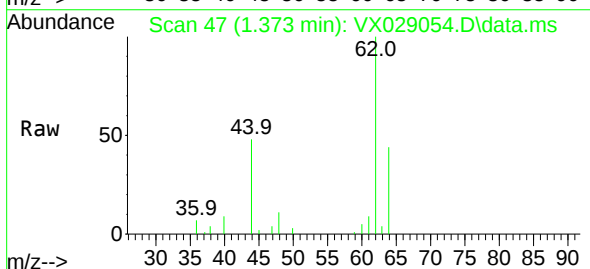
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

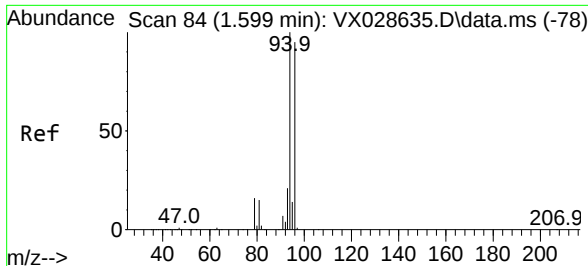
Tgt Ion: 50 Resp: 965
Ion Ratio Lower Upper
50 100
52 22.6 26.4 39.6#



#4
Vinyl Chloride
Concen: 0.844 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion: 62 Resp: 3760
Ion Ratio Lower Upper
62 100
64 30.3 25.5 38.3

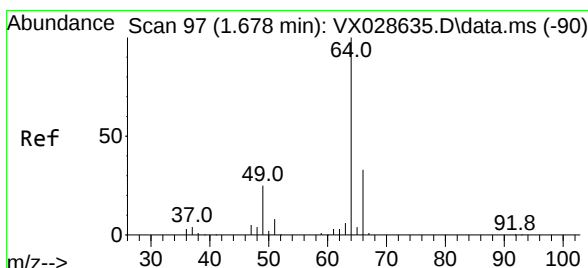
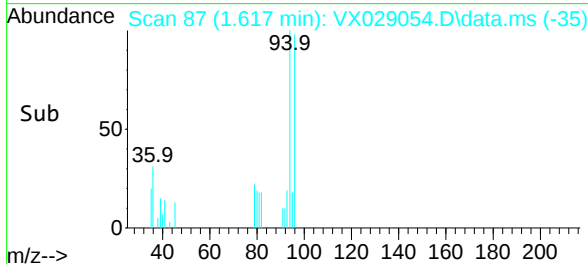
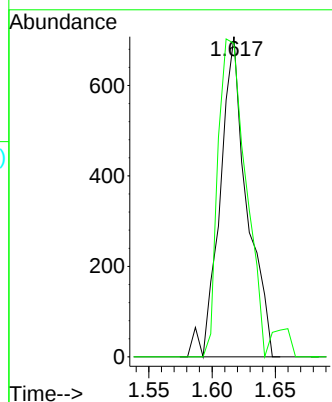
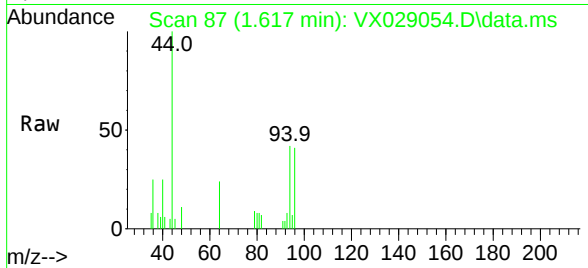




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

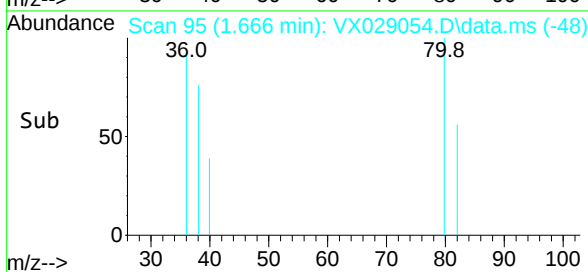
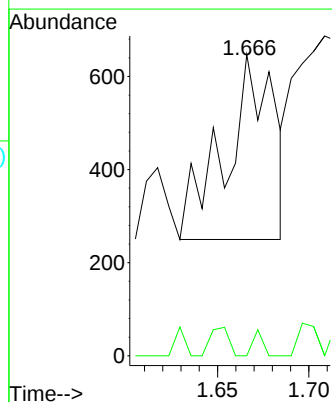
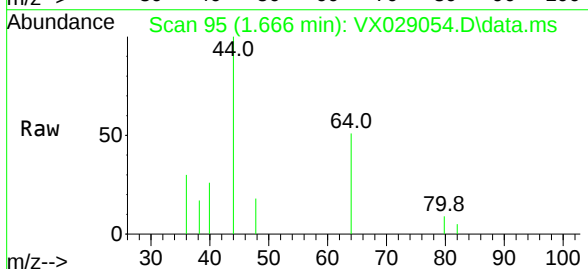
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

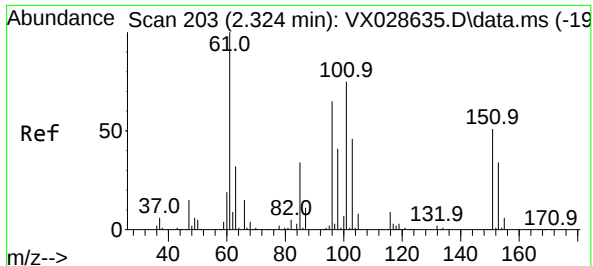
Tgt Ion: 94 Resp: 1049
Ion Ratio Lower Upper
94 100
96 97.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion: 64 Resp: 729
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

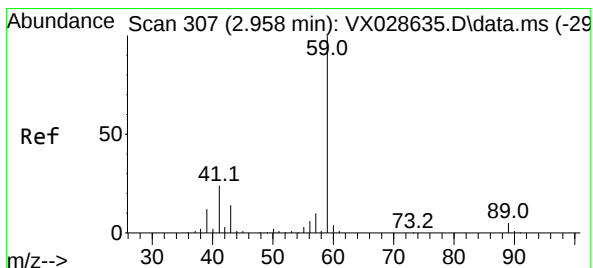
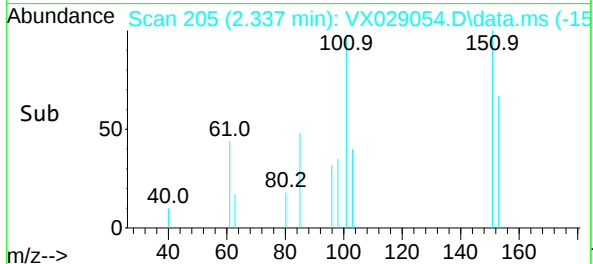
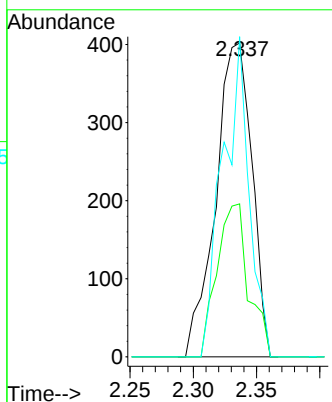
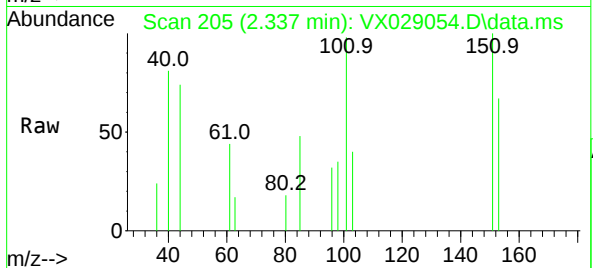




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.214 ug/l
RT: 2.337 min Scan# 20
Delta R.T. 0.013 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

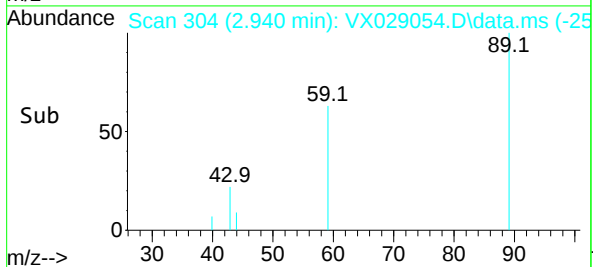
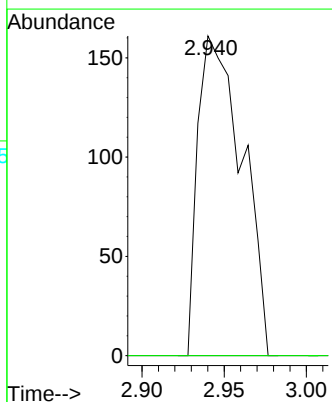
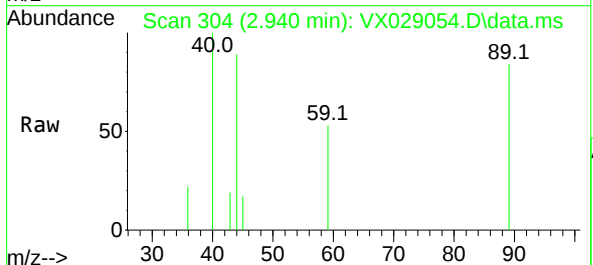
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

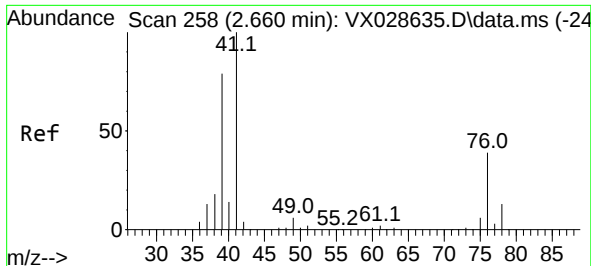
Tgt Ion:101 Resp: 801
Ion Ratio Lower Upper
101 100
85 42.3 33.5 50.3
151 74.8 61.8 92.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion: 59 Resp: 302
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.218 ug/l

RT: 2.562 min Scan# 24

Delta R.T. -0.098 min

Lab File: VX029054.D

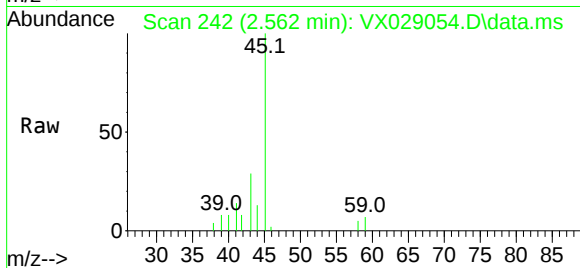
Acq: 28 May 2022 04:02

Instrument :

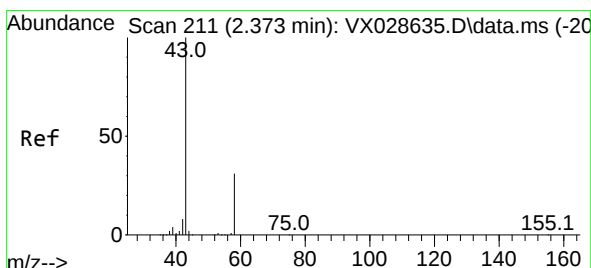
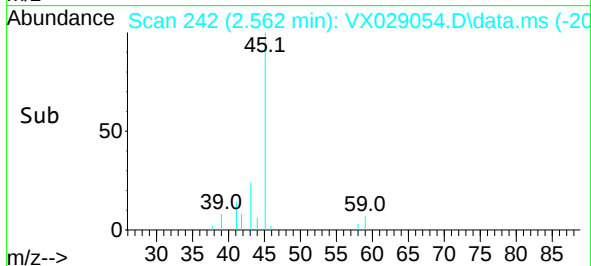
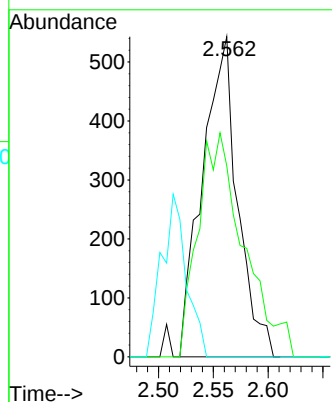
MSVOA_X

ClientSampleId :

22BR-20220525



Tgt Ion: 41	Resp: 1214
Ion Ratio	Lower Upper
41	100
39	90.8 50.4 75.6#
76	0.0 32.7 49.1#



#16

Acetone

Concen: 1.727 ug/l

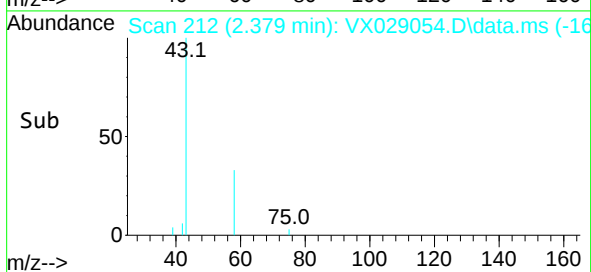
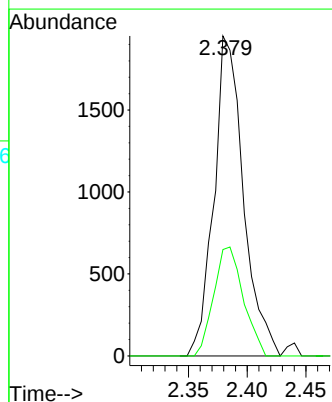
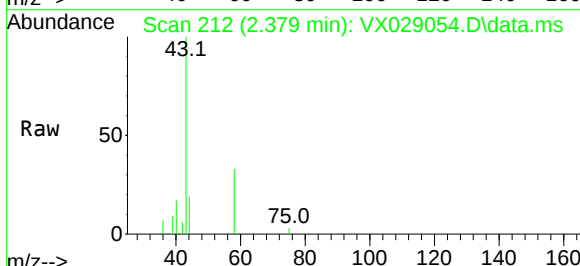
RT: 2.379 min Scan# 212

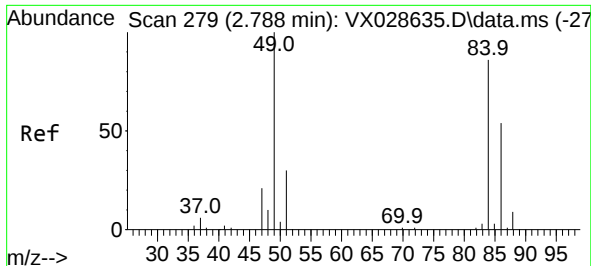
Delta R.T. 0.006 min

Lab File: VX029054.D

Acq: 28 May 2022 04:02

Tgt Ion: 43	Resp: 3405
Ion Ratio	Lower Upper
43	100
58	33.2 28.8 43.2





#20

Methylene Chloride

Concen: 0.250 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX029054.D

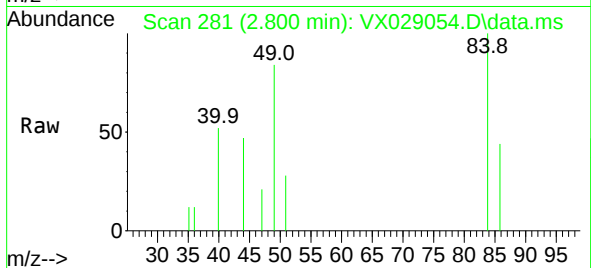
Acq: 28 May 2022 04:02

Instrument :

MSVOA_X

ClientSampleId :

22BR-20220525



Tgt Ion: 84 Resp: 1034

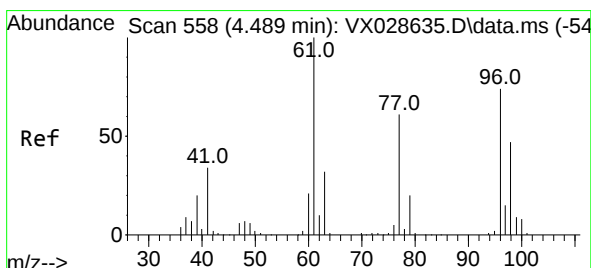
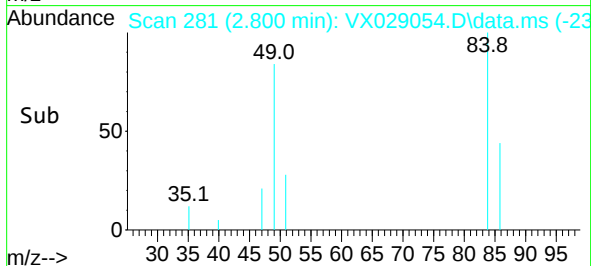
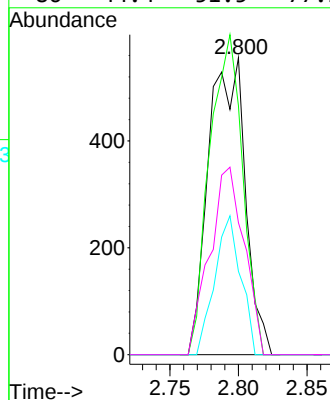
Ion Ratio Lower Upper

84 100

49 83.8 85.5 128.3#

51 28.1 26.6 39.8

86 44.4 51.5 77.3#



#27

cis-1,2-Dichloroethene

Concen: 10.047 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX029054.D

Acq: 28 May 2022 04:02

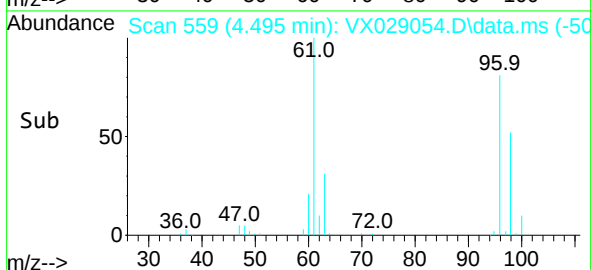
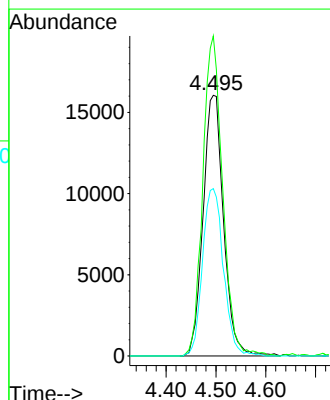
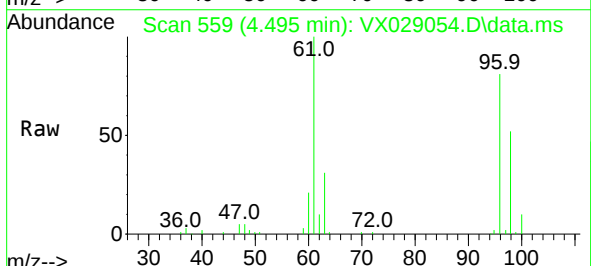
Tgt Ion: 96 Resp: 45834

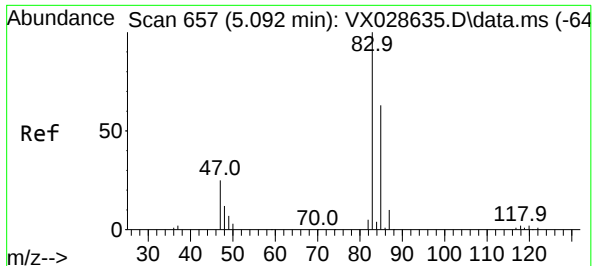
Ion Ratio Lower Upper

96 100

61 118.5 0.0 283.8

98 65.6 0.0 129.8





#30

Chloroform

Concen: 0.352 ug/l

RT: 5.098 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX029054.D

Acq: 28 May 2022 04:02

Instrument :

MSVOA_X

ClientSampleId :

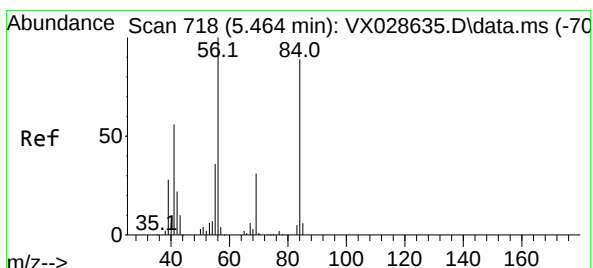
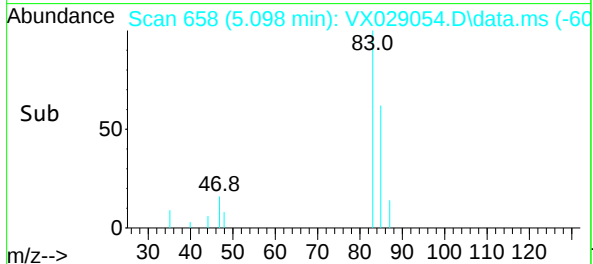
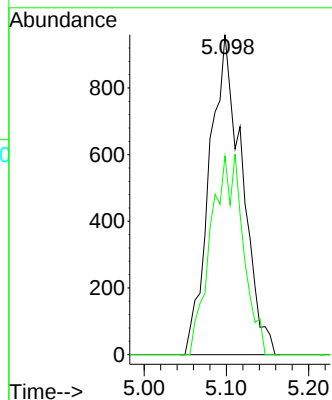
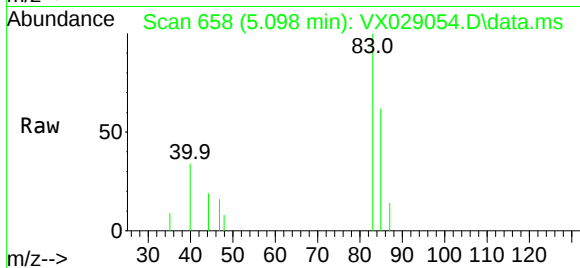
22BR-20220525

Tgt Ion: 83 Resp: 2634

Ion Ratio Lower Upper

83 100

85 62.1 52.7 79.1



#31

Cyclohexane

Concen: 0.956 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX029054.D

Acq: 28 May 2022 04:02

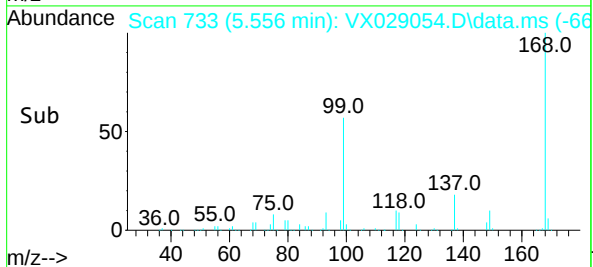
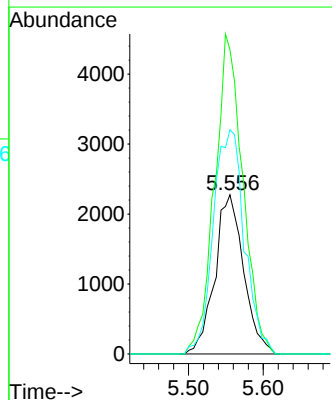
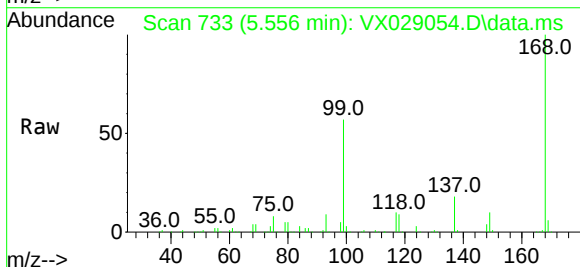
Tgt Ion: 56 Resp: 6096

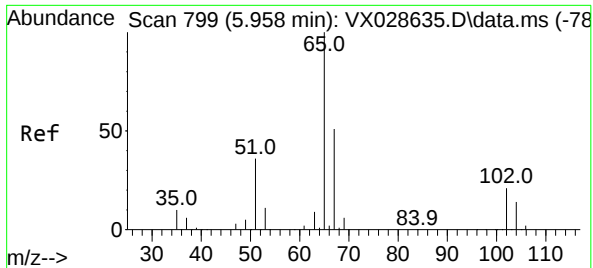
Ion Ratio Lower Upper

56 100

69 191.0 26.7 40.1#

84 140.8 77.2 115.8#

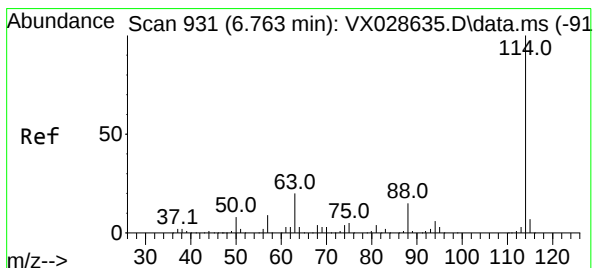
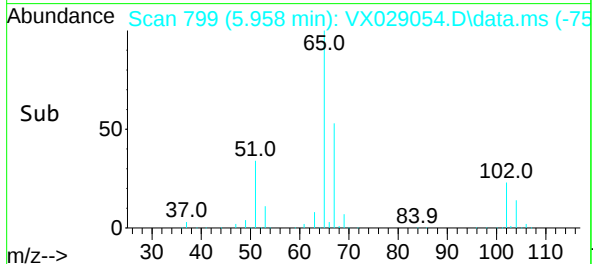
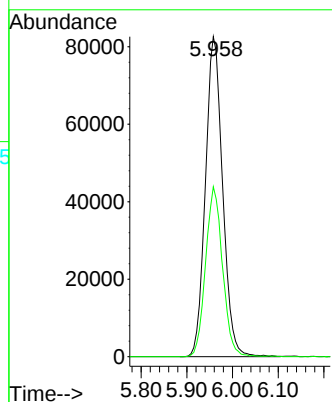
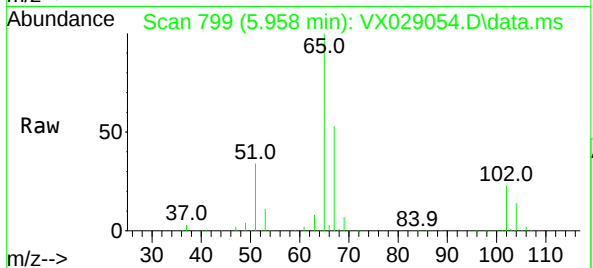




#33
 1,2-Dichloroethane-d4
 Concen: 47.035 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX029054.D
 Acq: 28 May 2022 04:02

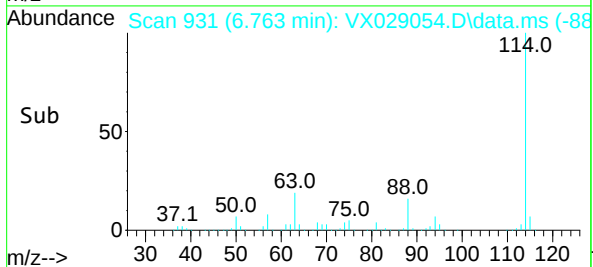
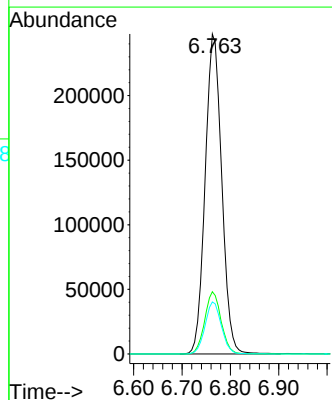
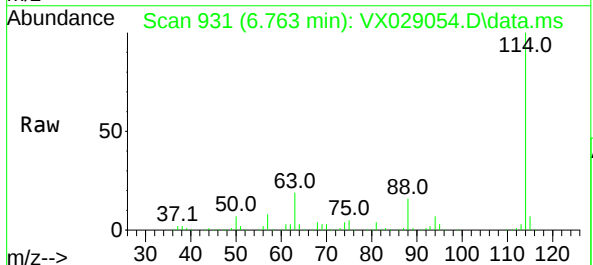
Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20220525

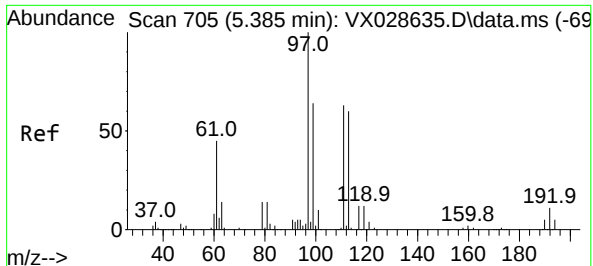
Tgt Ion: 65 Resp: 216033
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX029054.D
 Acq: 28 May 2022 04:02

Tgt Ion: 114 Resp: 589900
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.8
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.758 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029054.D

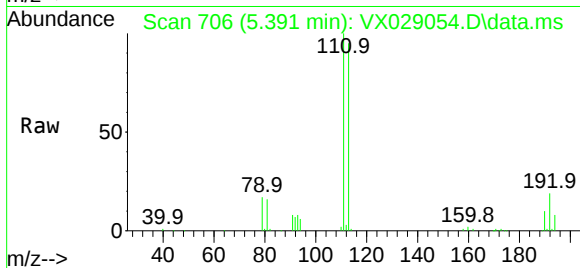
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Instrument :

MSVOA_X

ClientSampleId :

22BR-20220525



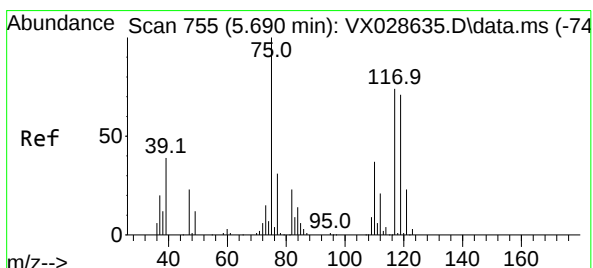
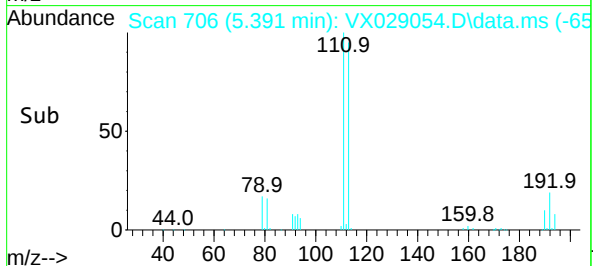
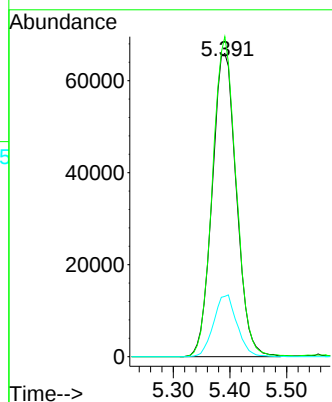
Tgt Ion:113 Resp: 196175

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.265 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX029054.D

Acq: 28 May 2022 04:02

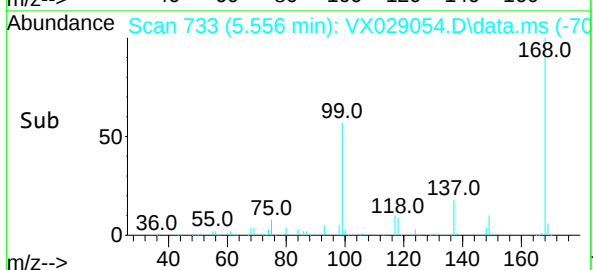
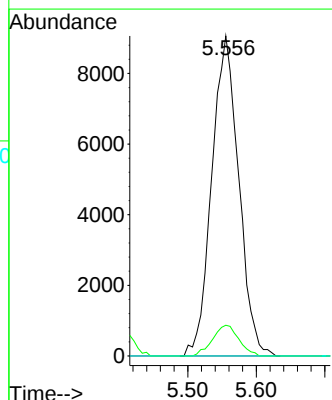
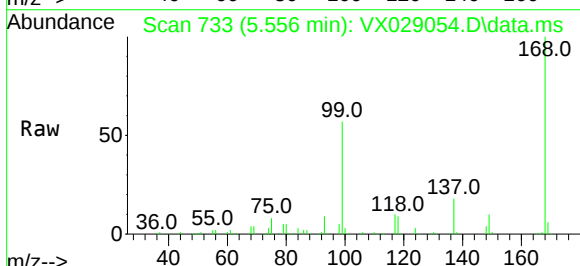
Tgt Ion: 75 Resp: 24757

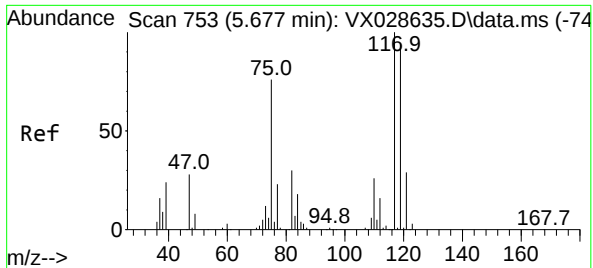
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 24.8 37.2#

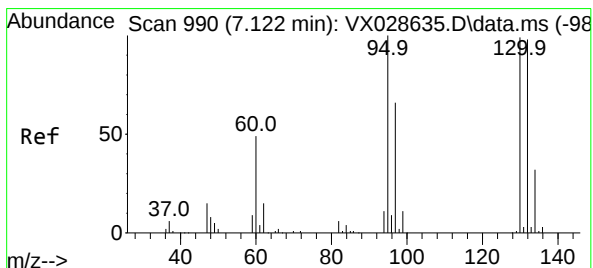
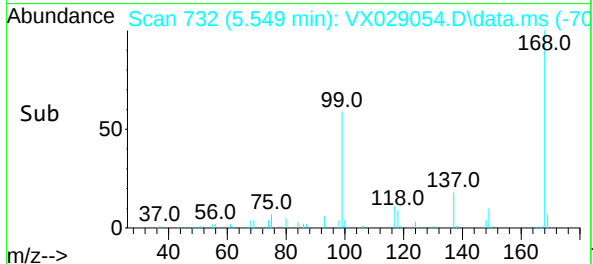
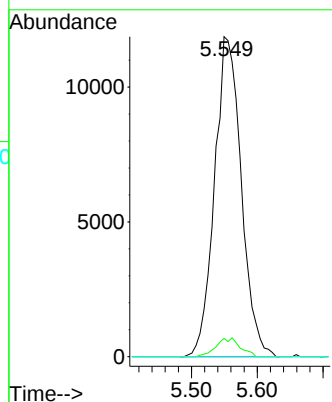
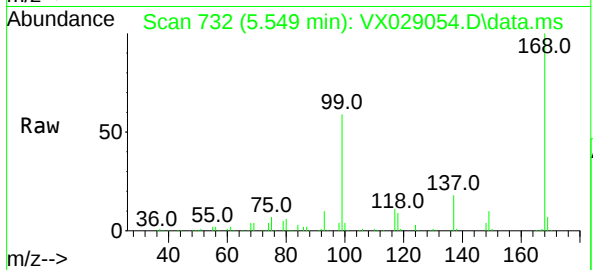




#38
Carbon Tetrachloride
Concen: 5.739 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

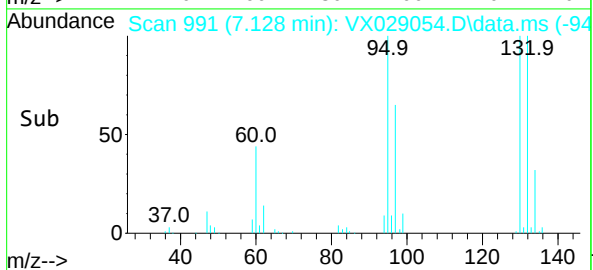
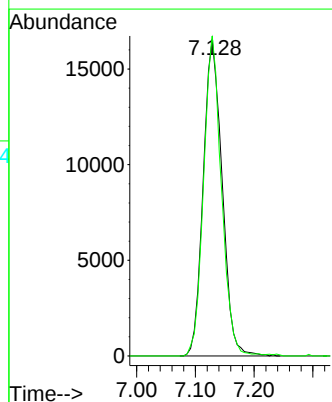
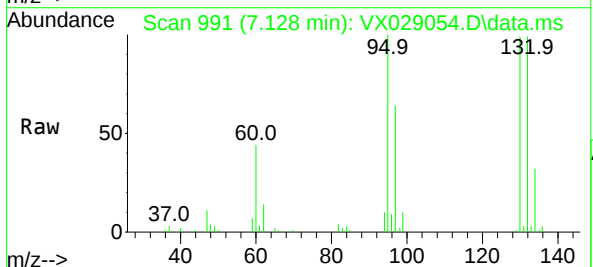
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

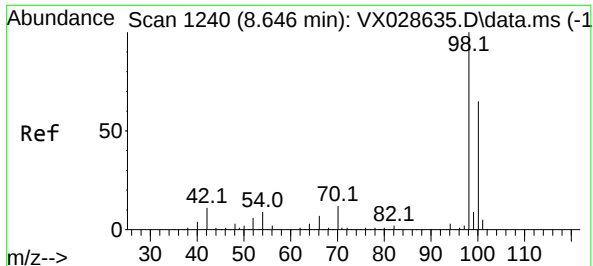
Tgt Ion:117 Resp: 33526
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 8.172 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion:130 Resp: 36978
Ion Ratio Lower Upper
130 100
95 101.1 0.0 188.8

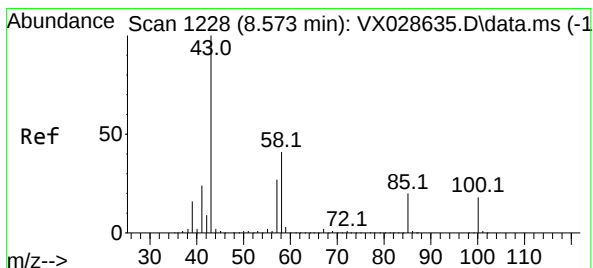
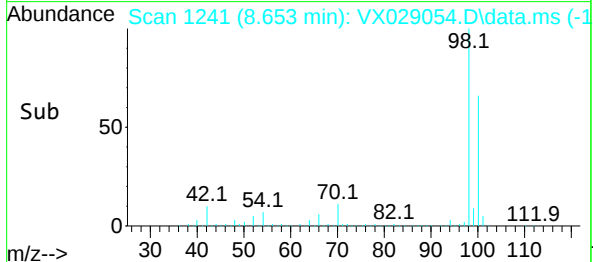
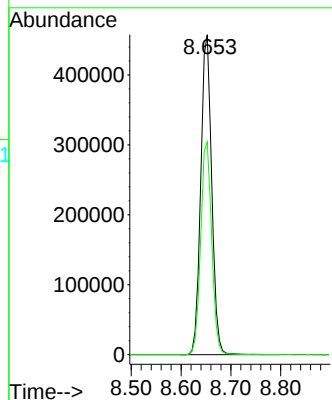
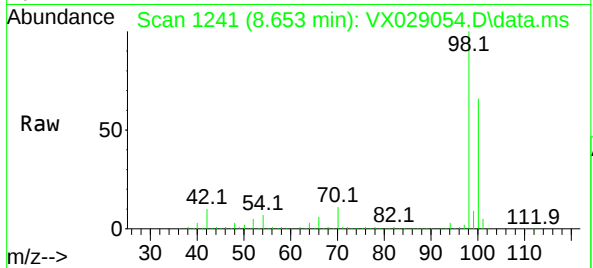




#50
Toluene-d8
Concen: 47.777 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

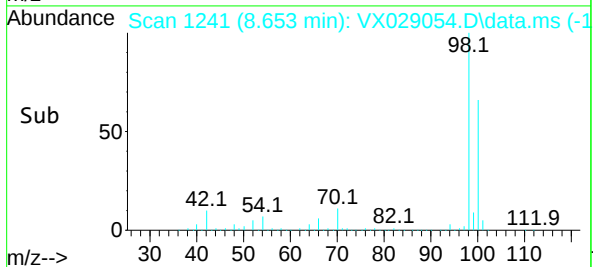
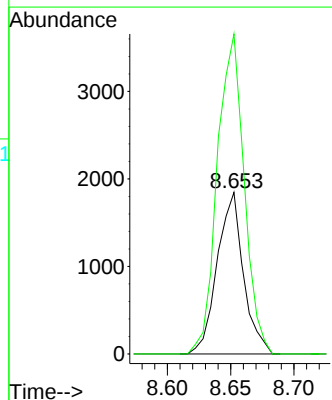
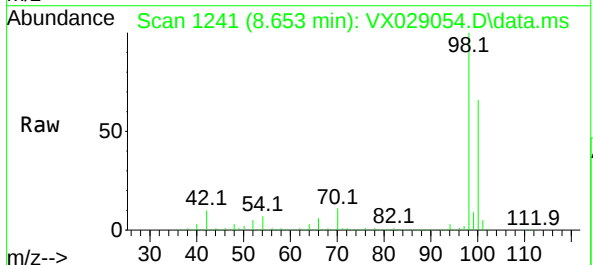
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

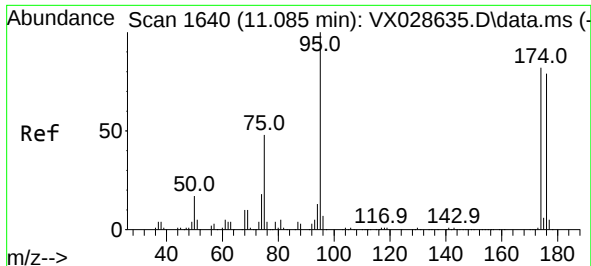
Tgt Ion: 98 Resp: 696191
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
58 203.1 36.1 54.1#

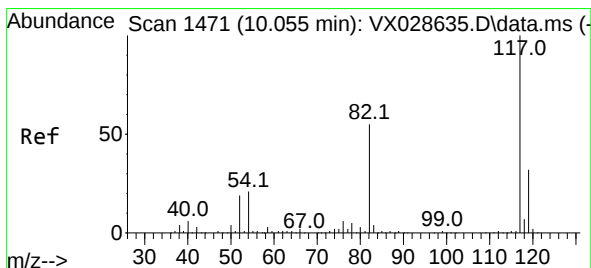
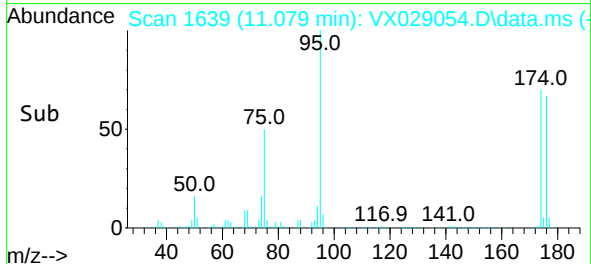
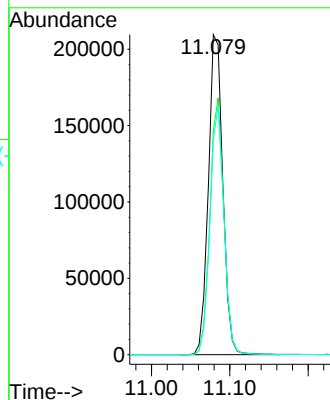
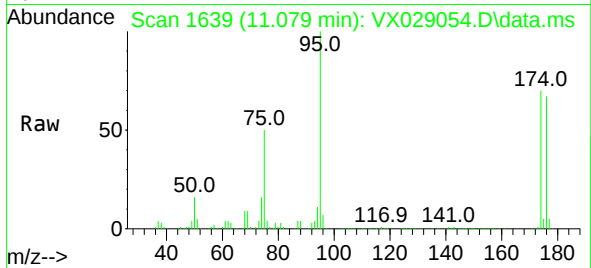




#62
4-Bromofluorobenzene
Concen: 49.247 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

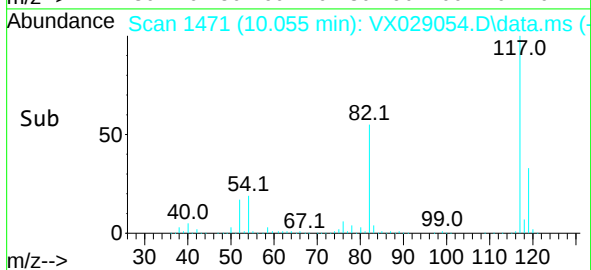
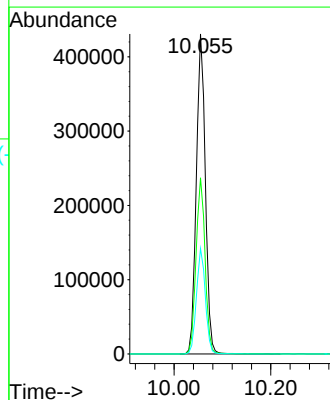
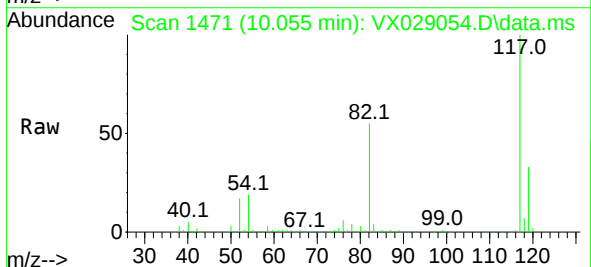
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

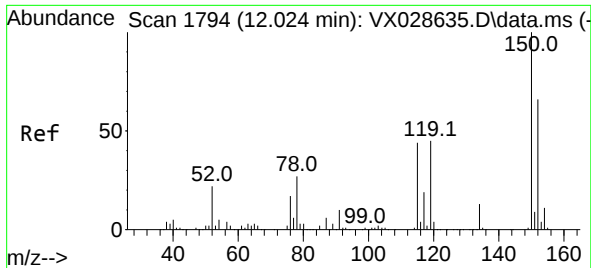
Tgt Ion: 95 Resp: 268031
Ion Ratio Lower Upper
95 100
174 77.7 0.0 163.0
176 74.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion: 117 Resp: 557253
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 32.9 24.8 37.2

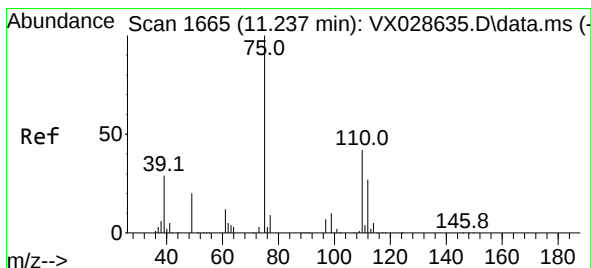
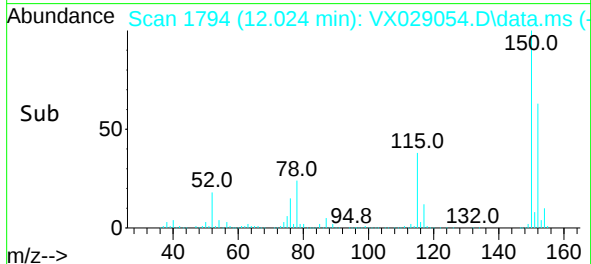
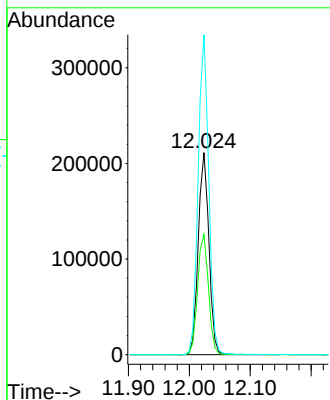
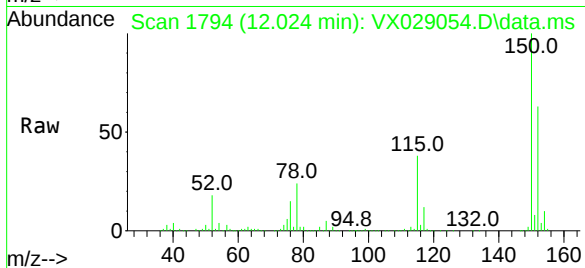




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

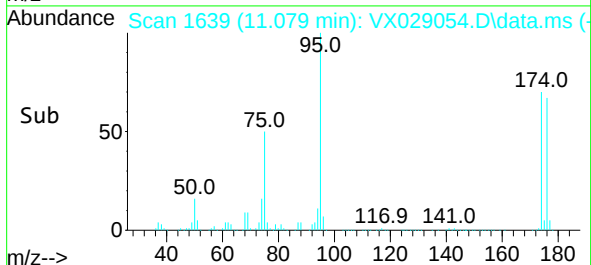
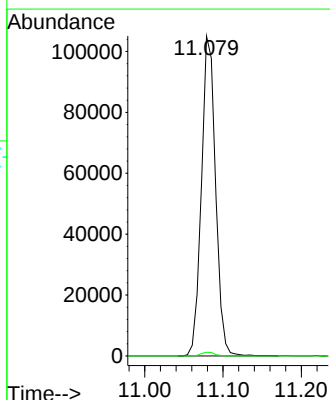
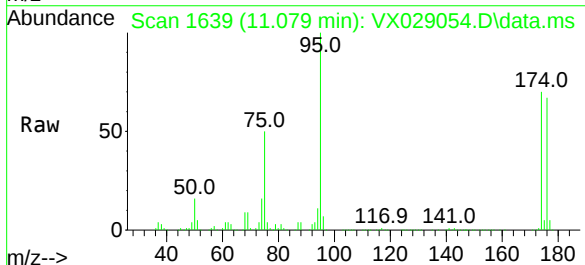
Instrument :
MSVOA_X
ClientSampleId :
22BR-20220525

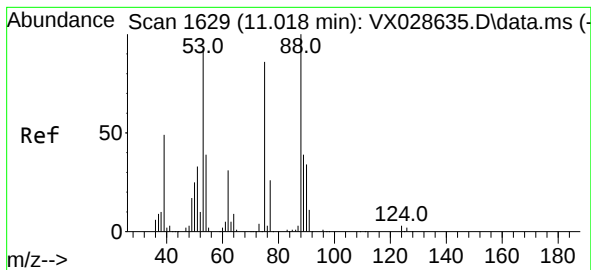
Tgt Ion:152 Resp: 256087
Ion Ratio Lower Upper
152 100
115 60.7 37.5 112.7
150 157.6 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 21.983 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029054.D
Acq: 28 May 2022 04:02

Tgt Ion: 75 Resp: 131838
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.374 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX029054.D
 Acq: 28 May 2022 04:02

Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20220525

Tgt Ion: 75 Resp: 131838
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

