

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029055.D
 Acq On : 28 May 2022 04:26
 Operator : JC/MD
 Sample : N3022-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 48BR-20220525

Quant Time: May 28 08:39:03 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)

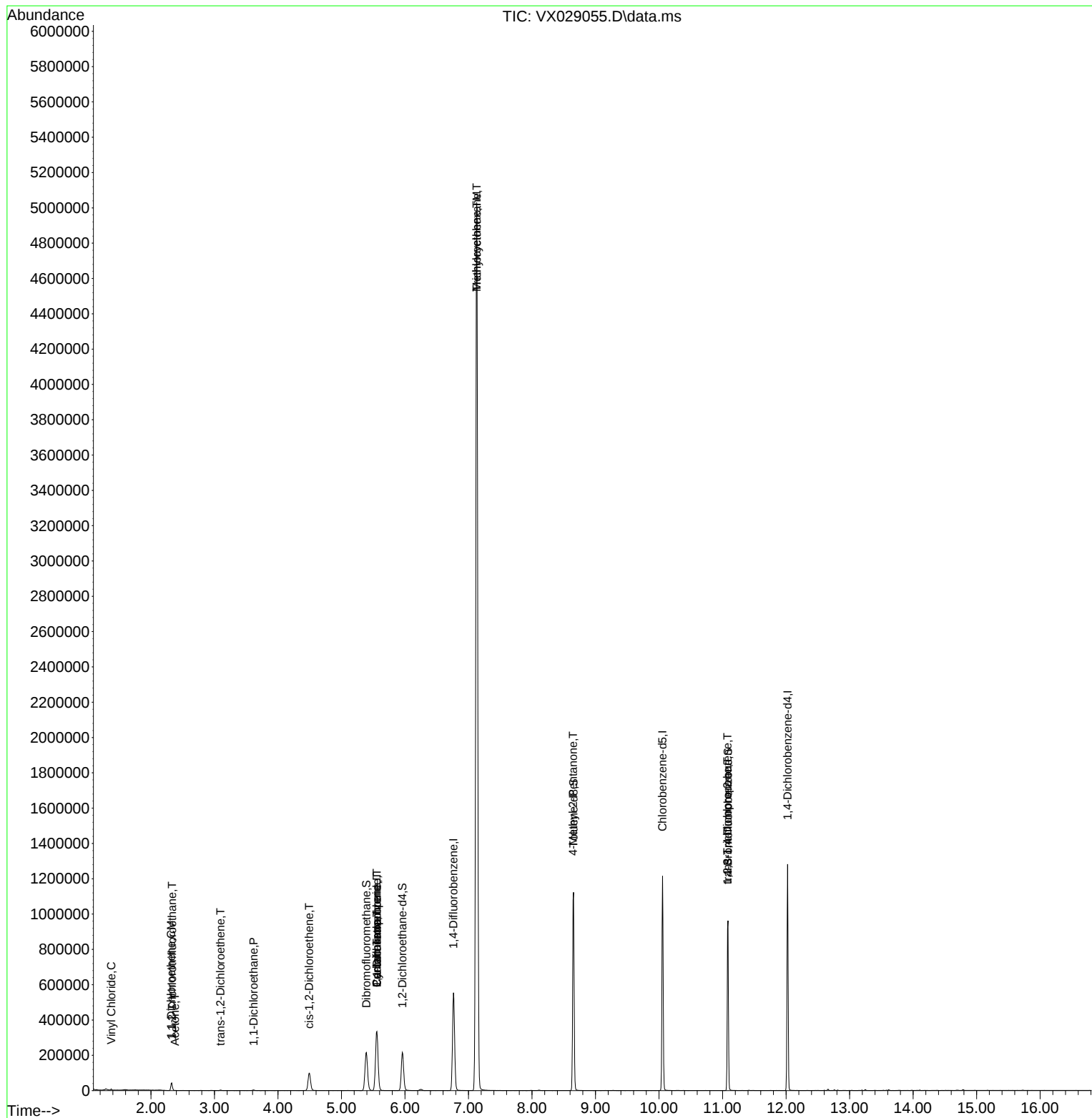
Internal Standards						
1) Pentafluorobenzene	5.556	168	325973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	582384	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	263145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	209037	46.782	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.560%
35) Dibromofluoromethane	5.391	113	191216	50.113	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.220%
50) Toluene-d8	8.653	98	684871	47.607	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.220%
62) 4-Bromofluorobenzene	11.085	95	268583	49.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.980%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	3293	0.760	ug/l	93
5) Bromomethane	1.618	94	871	Below Cal	#	53
6) Chloroethane	1.685	64	479	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	4934	1.358	ug/l	98
11) Tert butyl alcohol	2.953	59	769	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	11946	3.541	ug/l	96
16) Acetone	2.380	43	800	0.417	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	1238	0.326	ug/l #	87
24) 1,1-Dichloroethane	3.617	63	4214	0.627	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	67749	15.265	ug/l	86
31) Cyclohexane	5.556	56	5786	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24265	4.234	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32744	5.677	ug/l #	15
39) Methylcyclohexane	7.129	83	22978	3.496	ug/l #	1
44) Trichloroethene	7.129	130	2020795	452.376	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	2555	0.414	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	131589	21.353	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	131589	62.640	ug/l #	15

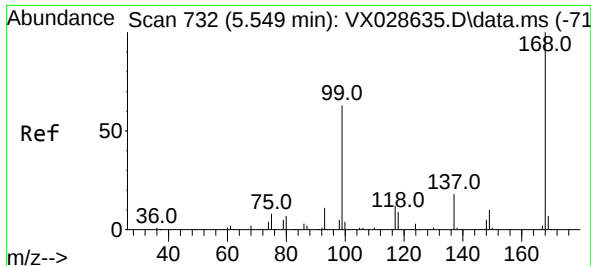
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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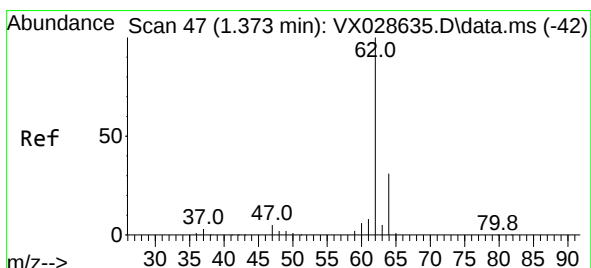
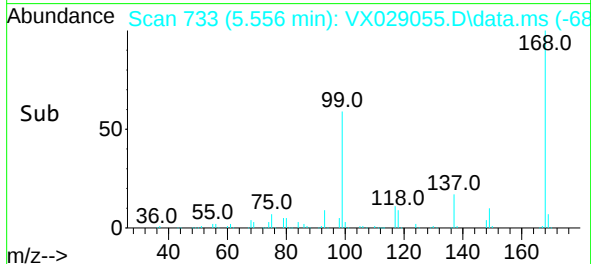
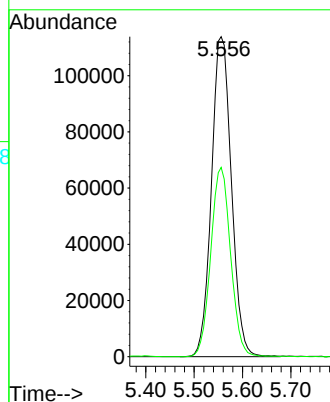
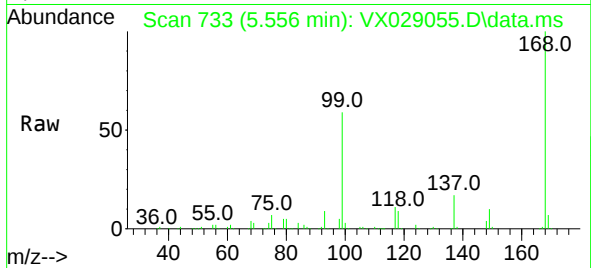




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

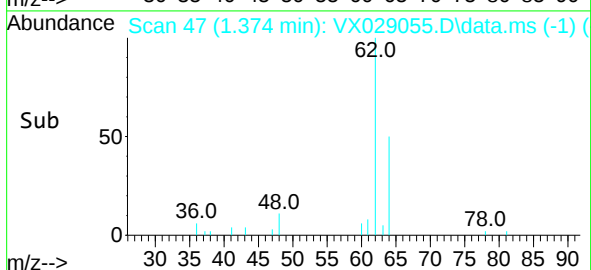
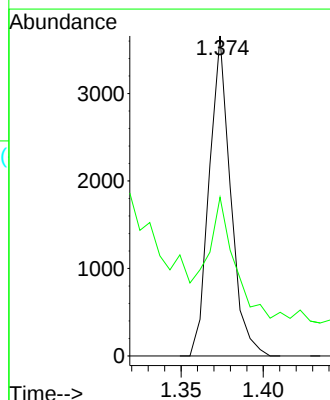
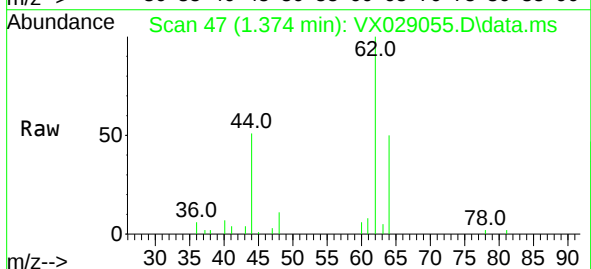
Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

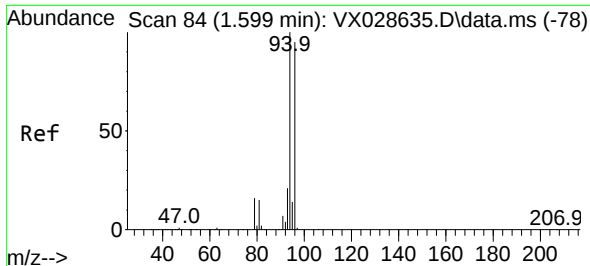
Tgt Ion:168 Resp: 325973
Ion Ratio Lower Upper
168 100
99 59.2 41.7 62.5



#4
Vinyl Chloride
Concen: 0.760 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 62 Resp: 3293
Ion Ratio Lower Upper
62 100
64 35.9 25.5 38.3

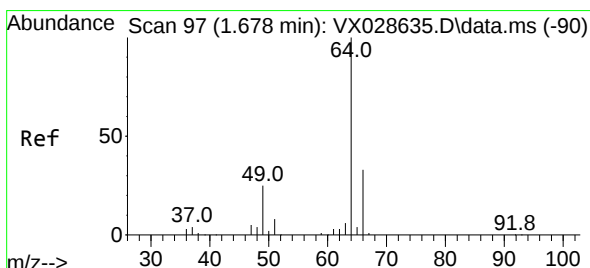
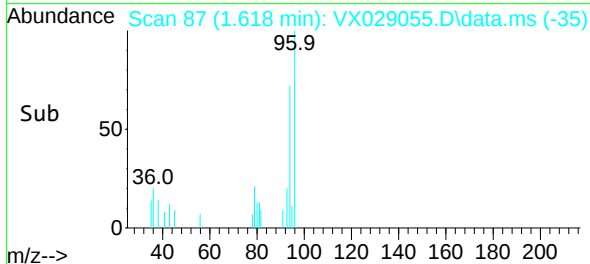
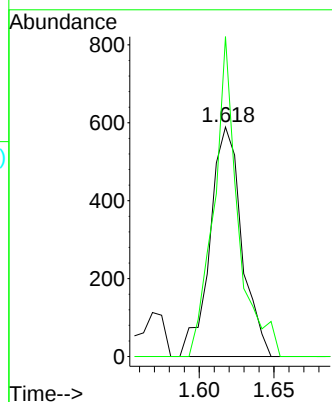
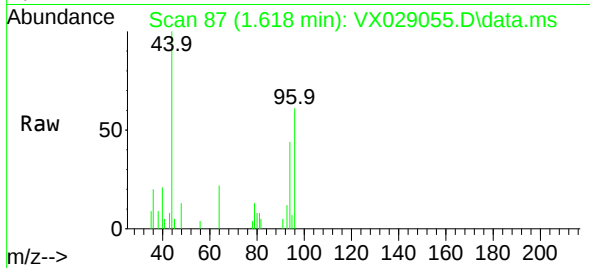




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

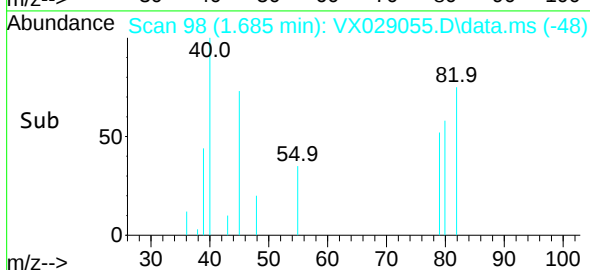
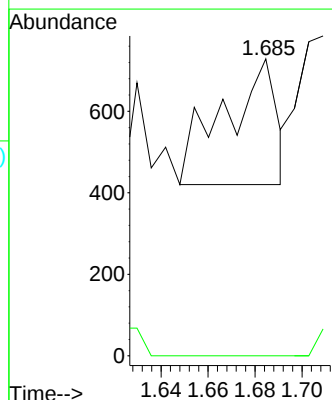
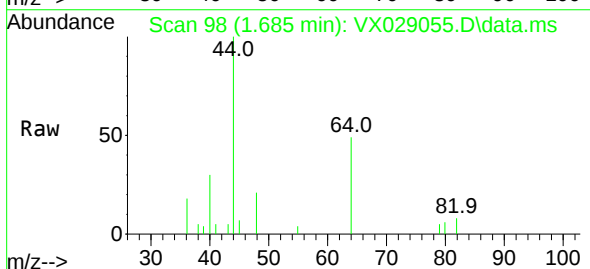
Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

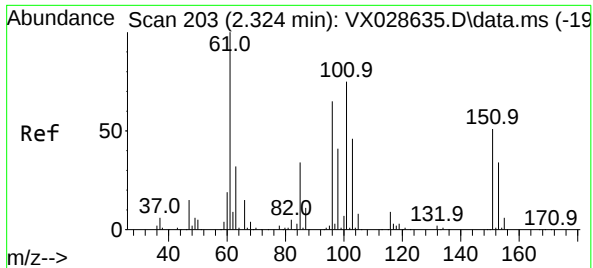
Tgt Ion: 94 Resp: 871
Ion Ratio Lower Upper
94 100
96 139.4 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 64 Resp: 479
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

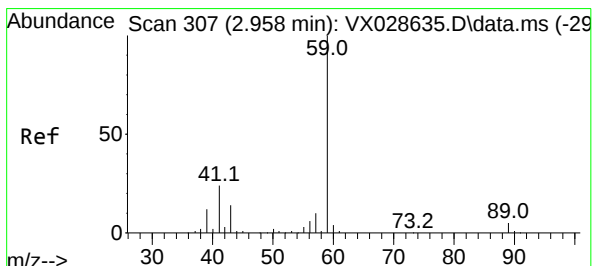
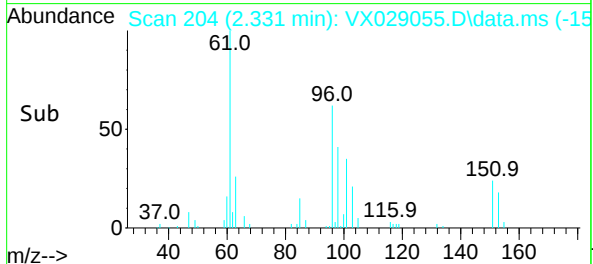
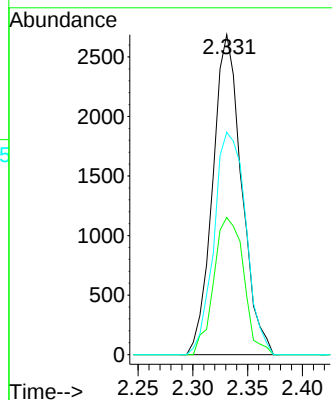
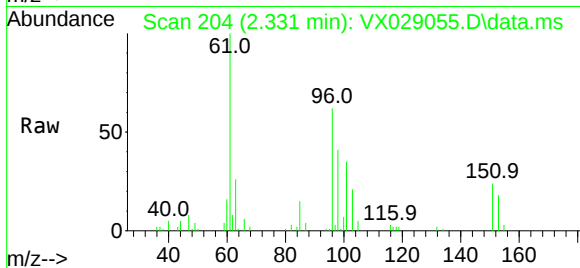




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.358 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

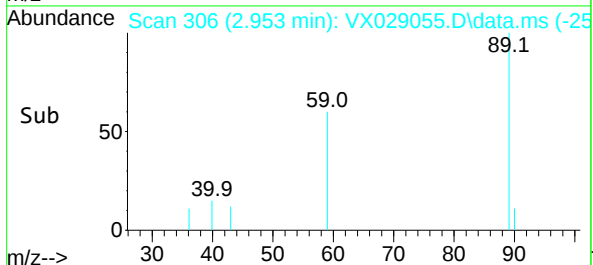
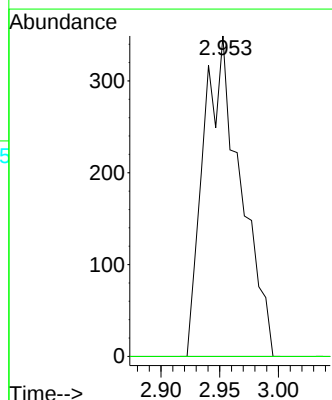
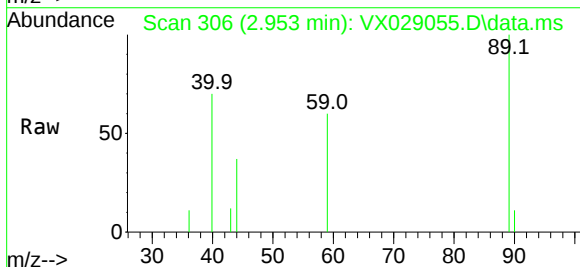
Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

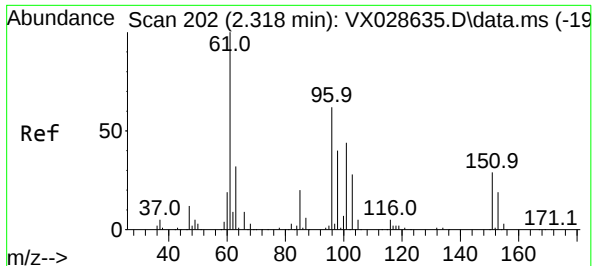
Tgt Ion:101 Resp: 4934
Ion Ratio Lower Upper
101 100
85 44.3 33.5 50.3
151 76.5 61.8 92.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 59 Resp: 769
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 3.541 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.001 min

Lab File: VX029055.D

Acq: 28 May 2022 04:26

Instrument :

MSVOA_X

ClientSampleId :

48BR-20220525

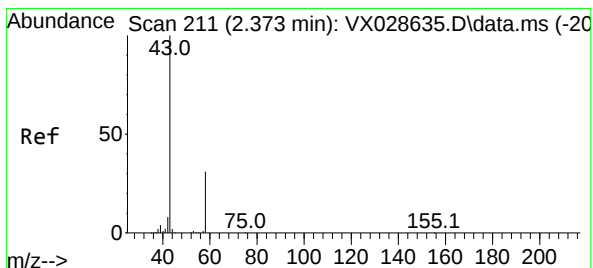
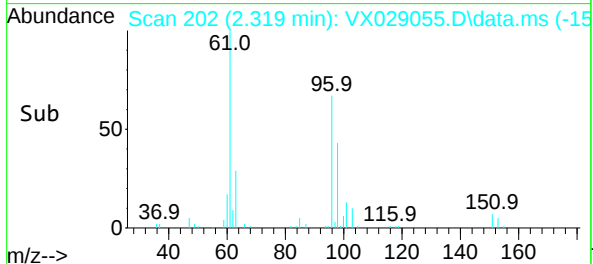
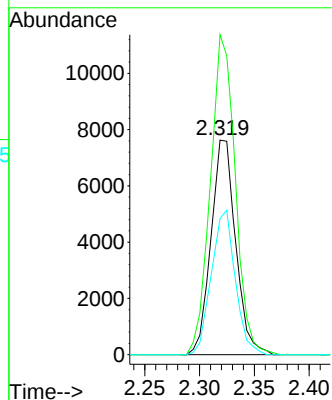
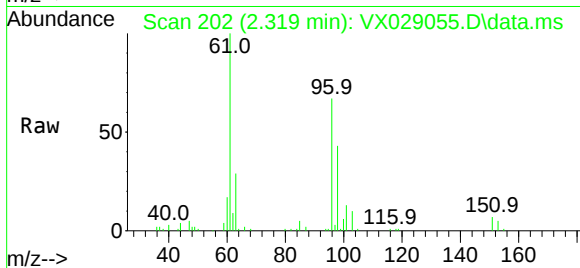
Tgt Ion: 96 Resp: 11946

Ion Ratio Lower Upper

96 100

61 149.2 124.6 187.0

98 63.5 51.0 76.4



#16

Acetone

Concen: 0.417 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX029055.D

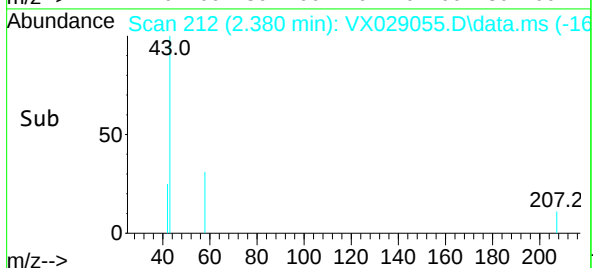
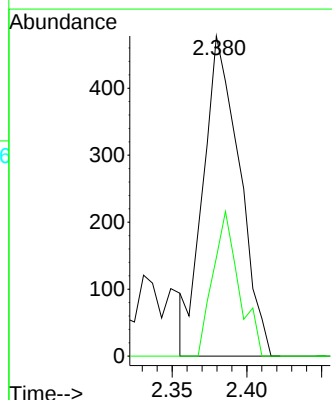
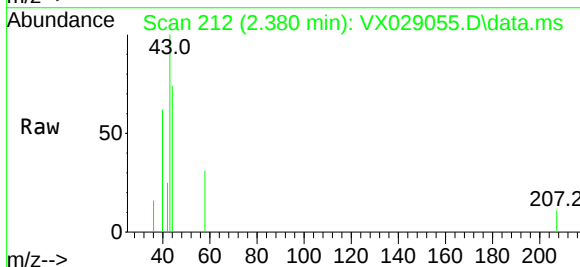
Acq: 28 May 2022 04:26

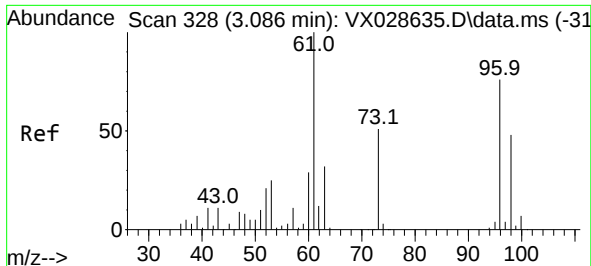
Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

58 30.8 28.8 43.2

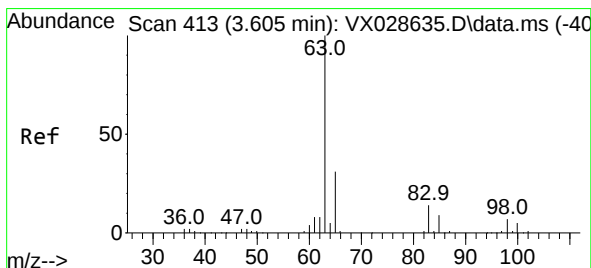
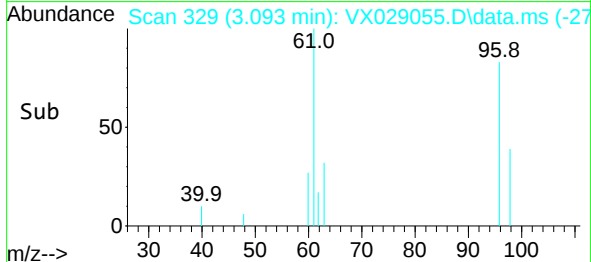
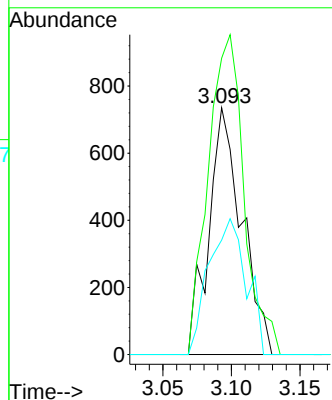
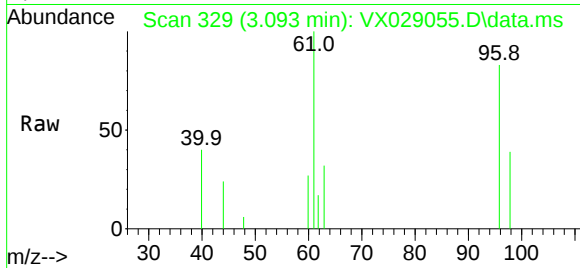




#21
trans-1,2-Dichloroethene
Concen: 0.326 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

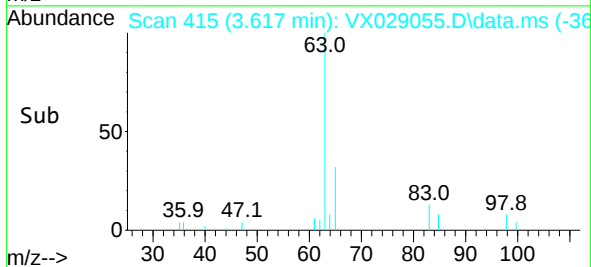
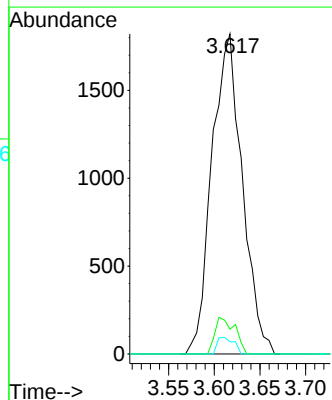
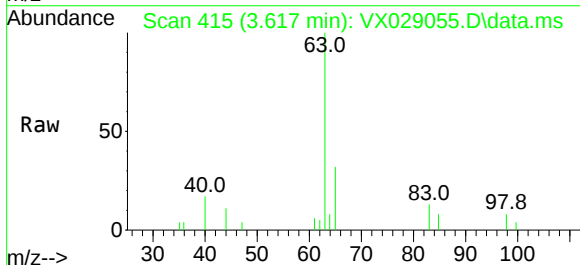
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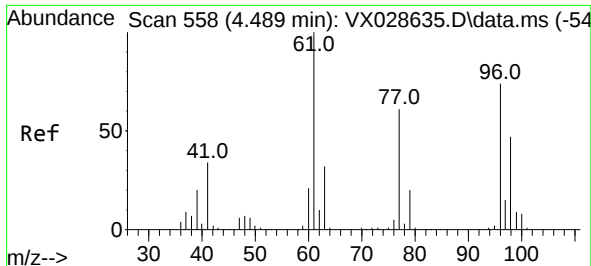
Tgt Ion: 96 Resp: 1238
Ion Ratio Lower Upper
96 100
61 120.1 105.4 158.2
98 46.4 50.0 75.0#



#24
1,1-Dichloroethane
Concen: 0.627 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 63 Resp: 4214
Ion Ratio Lower Upper
63 100
98 7.7 3.9 11.7
100 3.8 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 15.265 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX029055.D

Acq: 28 May 2022 04:26

Instrument :

MSVOA_X

ClientSampleId :

48BR-20220525

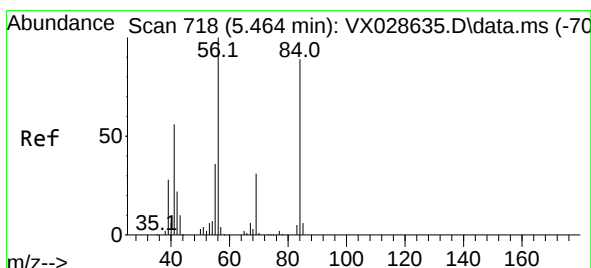
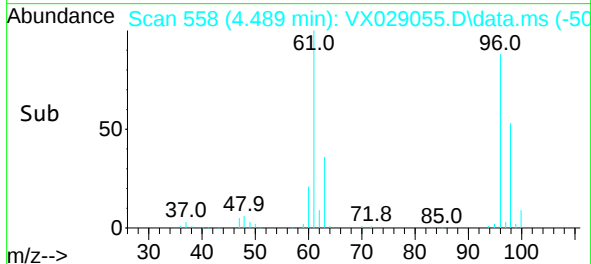
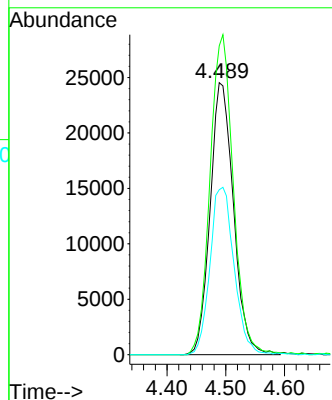
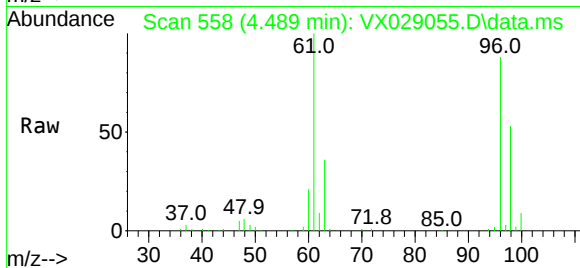
Tgt Ion: 96 Resp: 67749

Ion Ratio Lower Upper

96 100

61 117.4 0.0 283.8

98 63.4 0.0 129.8



#31

Cyclohexane

Concen: 0.933 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX029055.D

Acq: 28 May 2022 04:26

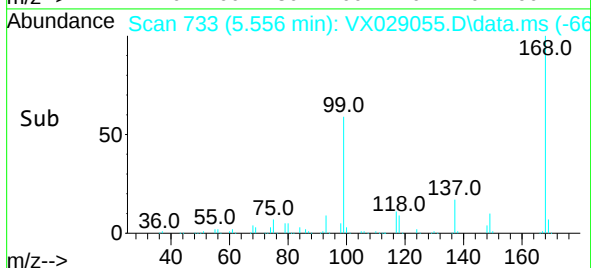
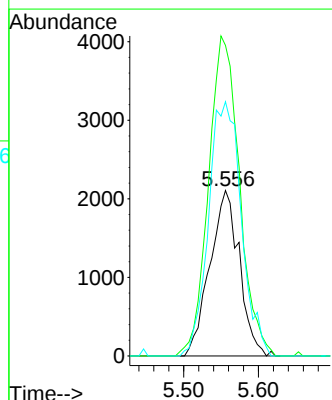
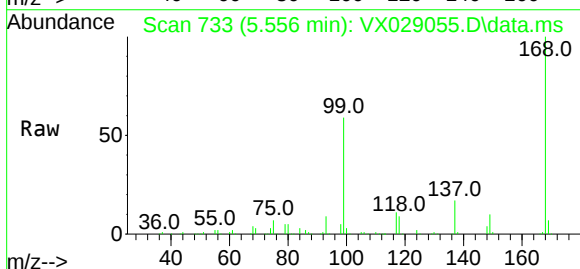
Tgt Ion: 56 Resp: 5786

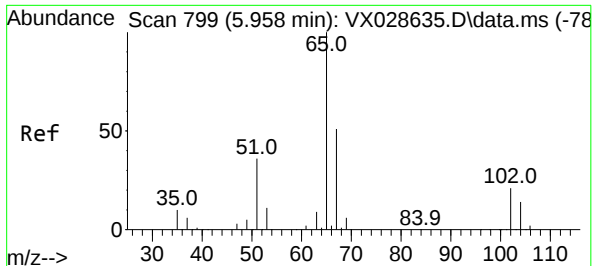
Ion Ratio Lower Upper

56 100

69 187.7 26.7 40.1#

84 153.7 77.2 115.8#

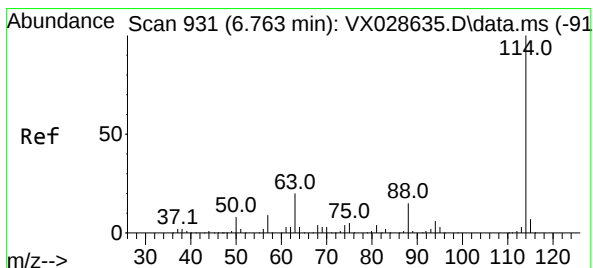
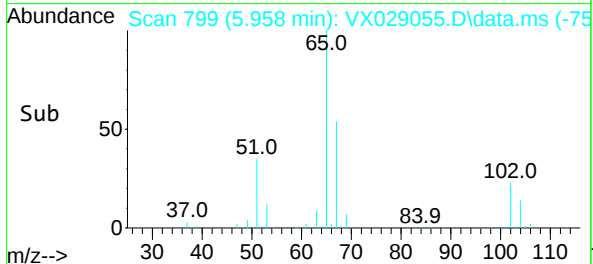
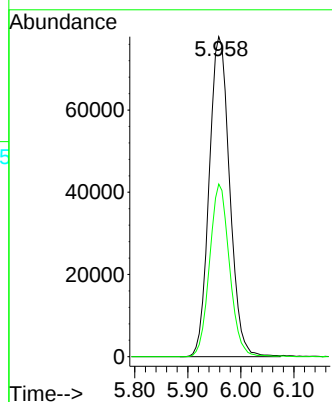
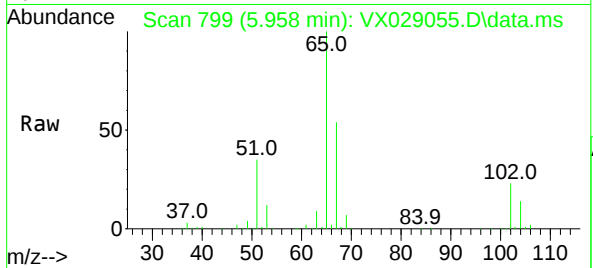




#33
 1,2-Dichloroethane-d4
 Concen: 46.782 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX029055.D
 Acq: 28 May 2022 04:26

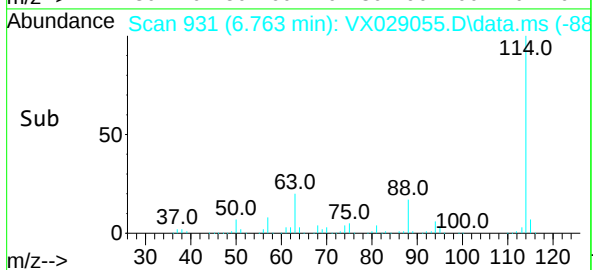
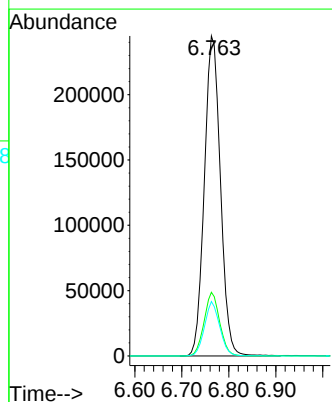
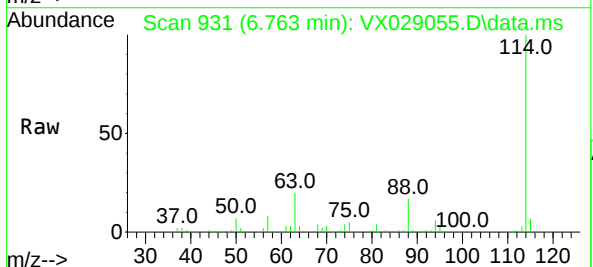
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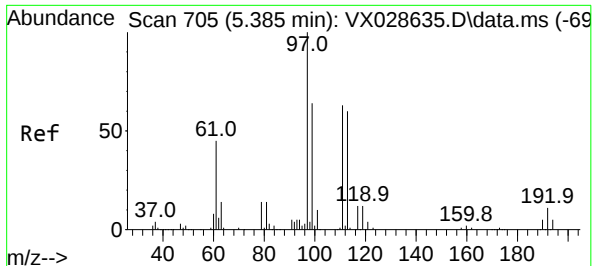
Tgt Ion: 65 Resp: 209037
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX029055.D
 Acq: 28 May 2022 04:26

Tgt Ion: 114 Resp: 582384
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 36.8
 88 17.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.113 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029055.D

Acq: 28 May 2022 04:26

Instrument :

MSVOA_X

ClientSampleId :

48BR-20220525

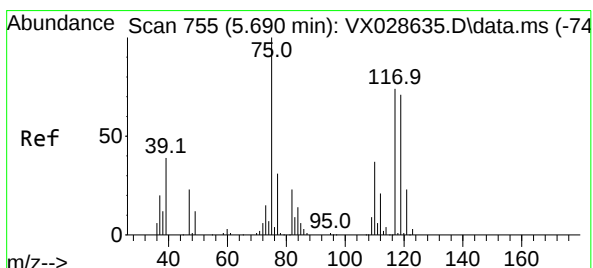
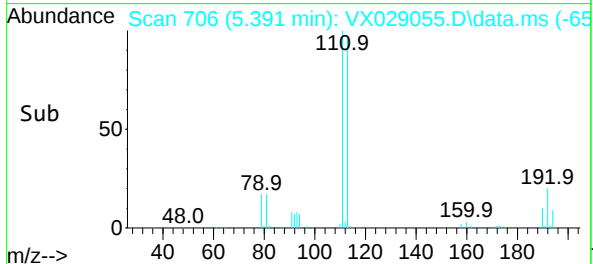
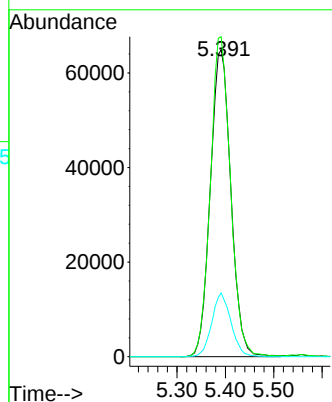
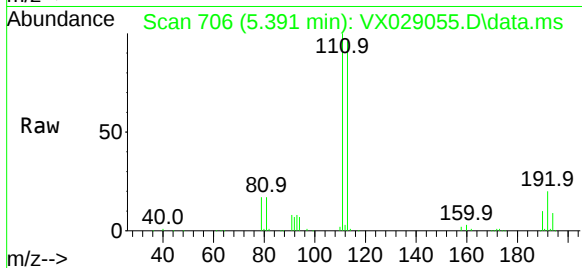
Tgt Ion:113 Resp: 191216

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 19.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.234 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX029055.D

Acq: 28 May 2022 04:26

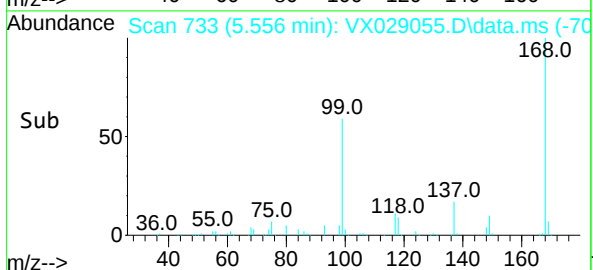
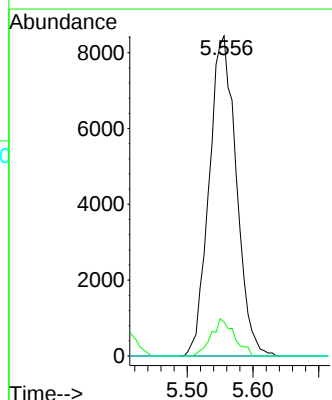
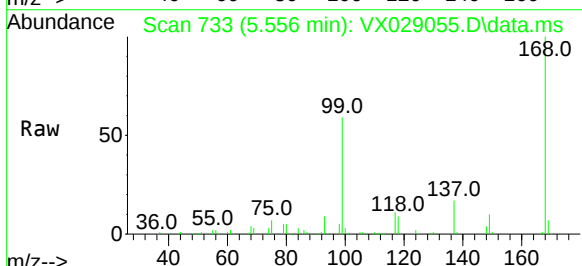
Tgt Ion: 75 Resp: 24265

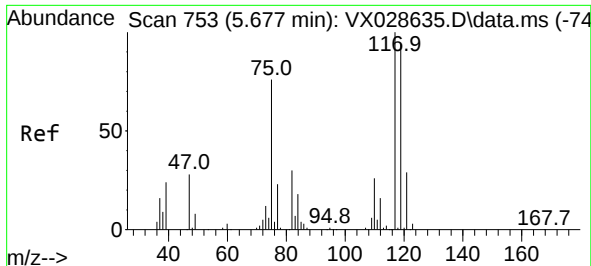
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 24.8 37.2#

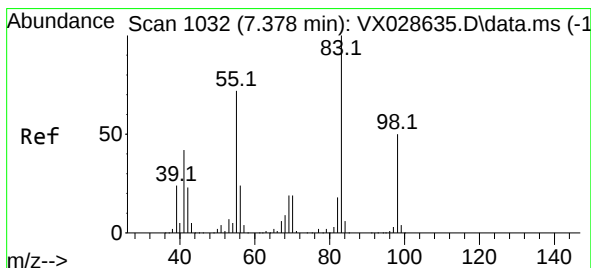
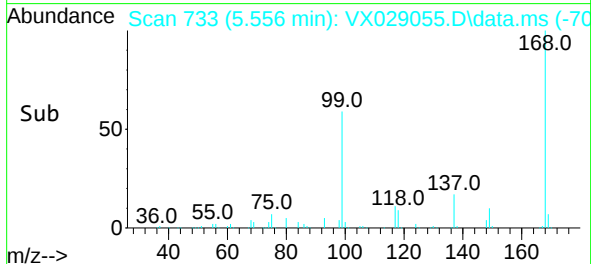
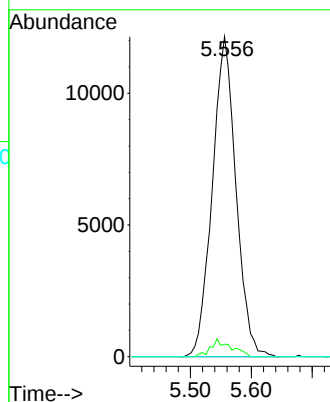
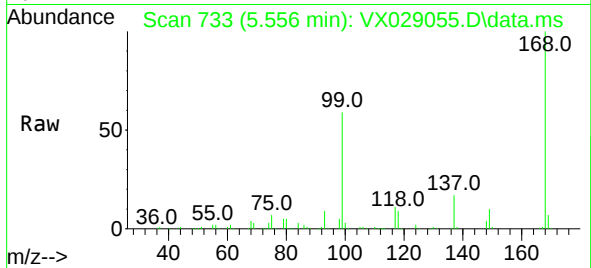




#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

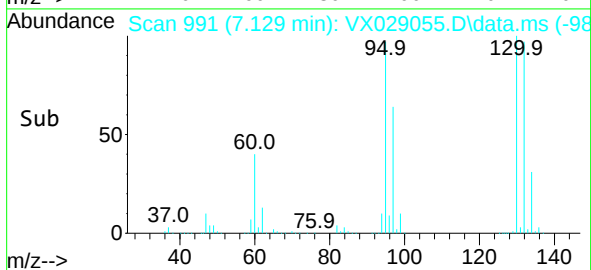
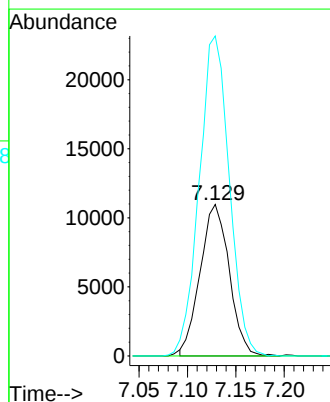
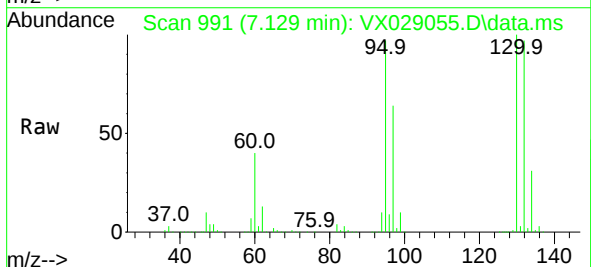
Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

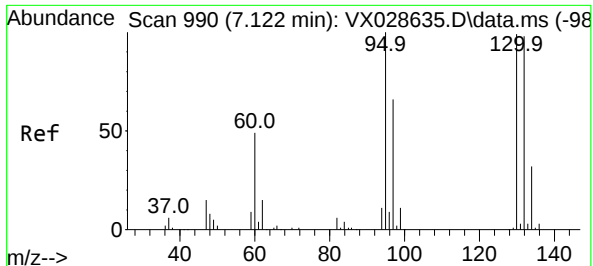
Tgt Ion:117 Resp: 32744
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 3.496 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.249 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 83 Resp: 22978
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 211.2 37.4 56.2#

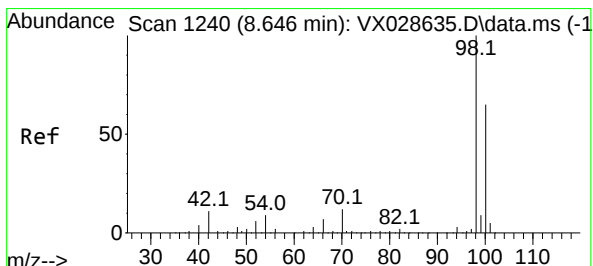
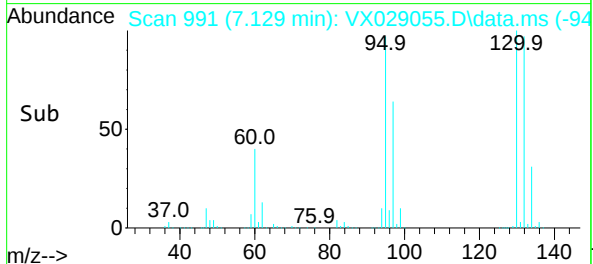
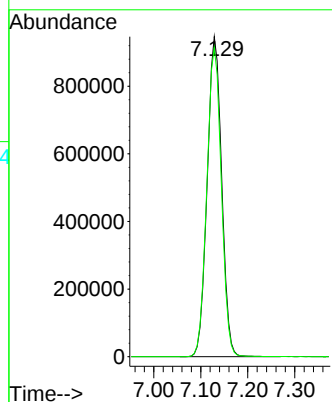
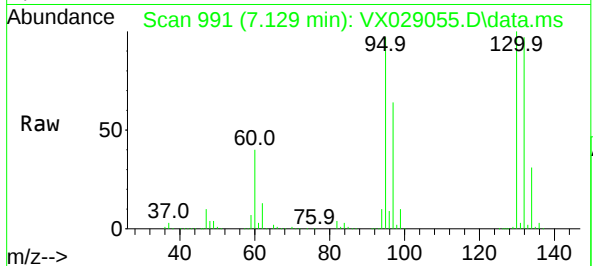




#44
Trichloroethene
Concen: 452.376 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.007 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

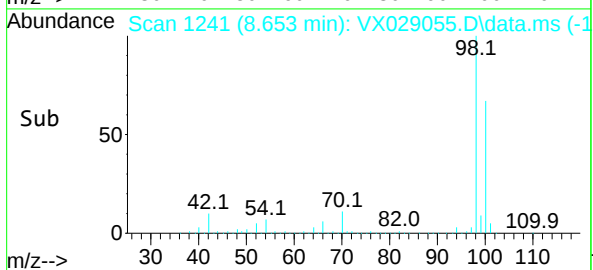
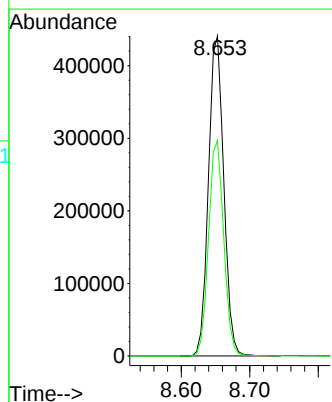
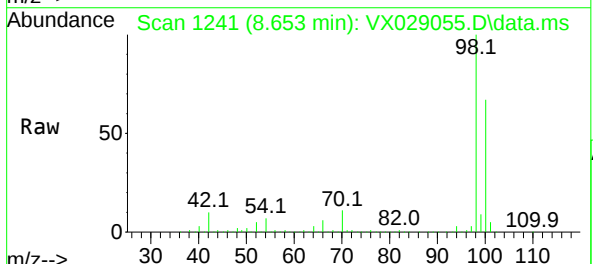
Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

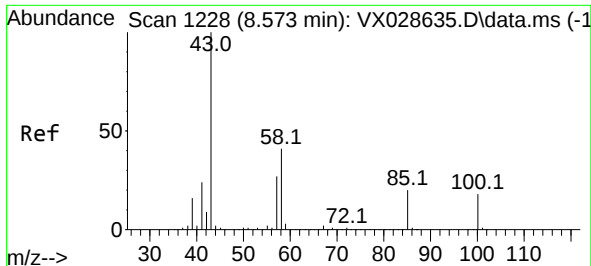
Tgt Ion:130 Resp: 2020795
Ion Ratio Lower Upper
130 100
95 96.6 0.0 188.8



#50
Toluene-d8
Concen: 47.607 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 98 Resp: 684871
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

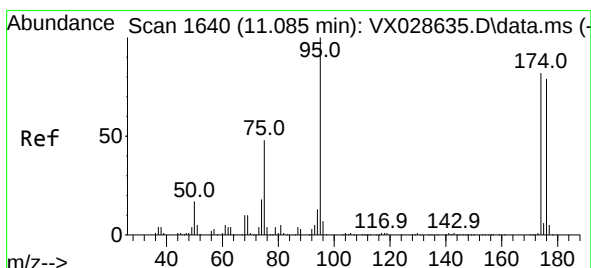
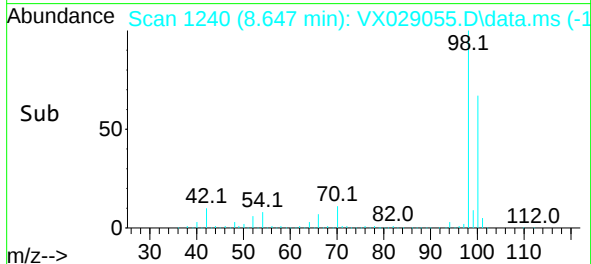
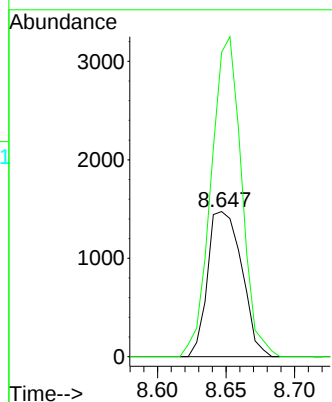
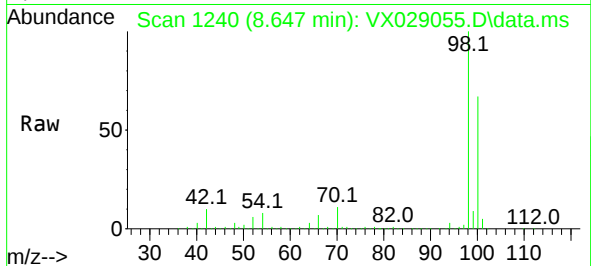




#51
4-Methyl-2-Pentanone
Concen: 0.414 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

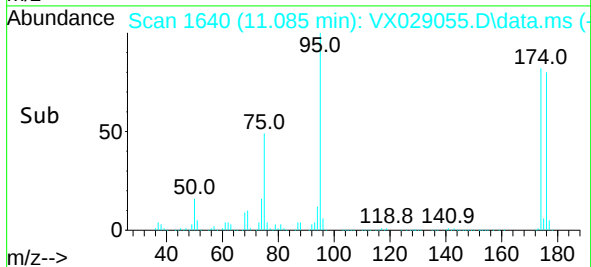
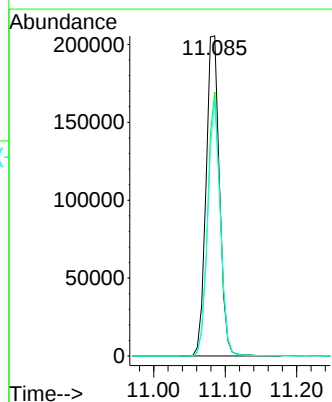
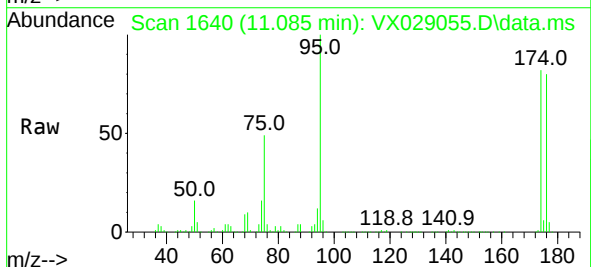
Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

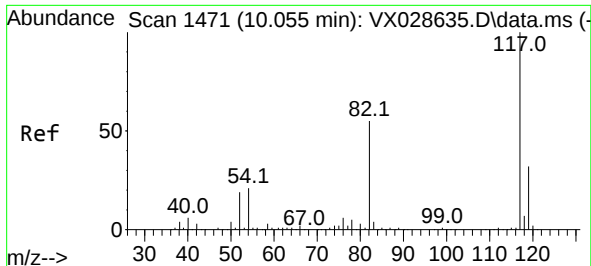
Tgt Ion: 43 Resp: 2555
Ion Ratio Lower Upper
43 100
58 196.4 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 49.985 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 95 Resp: 268583
Ion Ratio Lower Upper
95 100
174 77.3 0.0 163.0
176 74.7 0.0 155.0

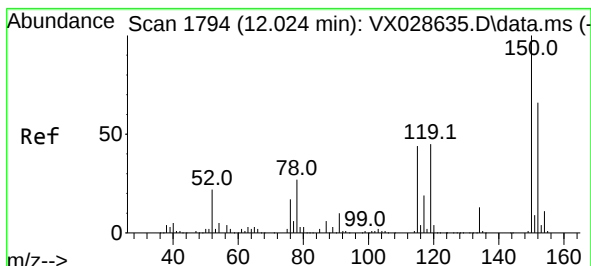
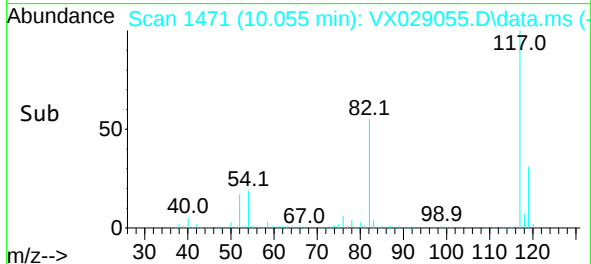
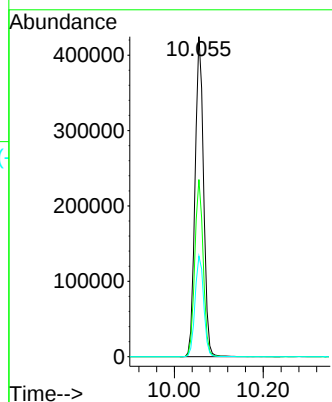
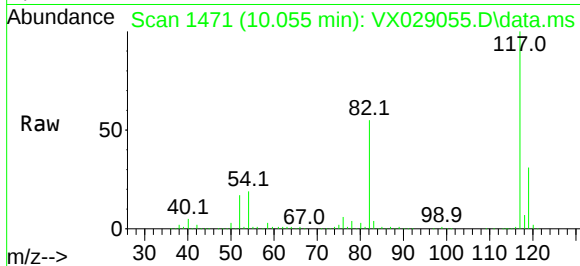




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

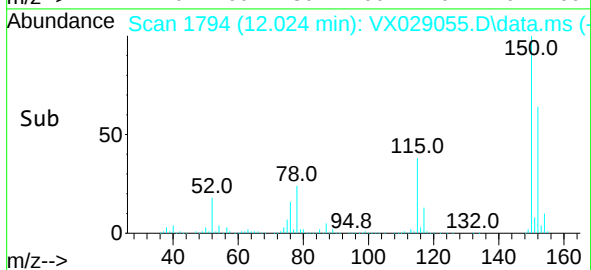
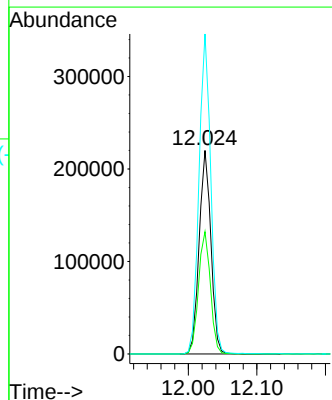
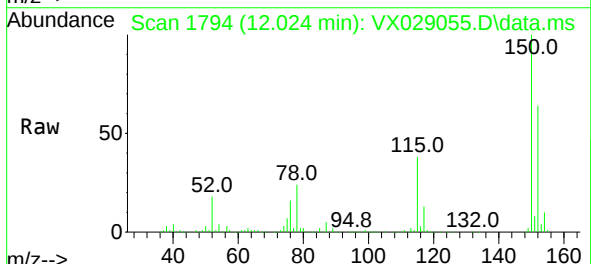
Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

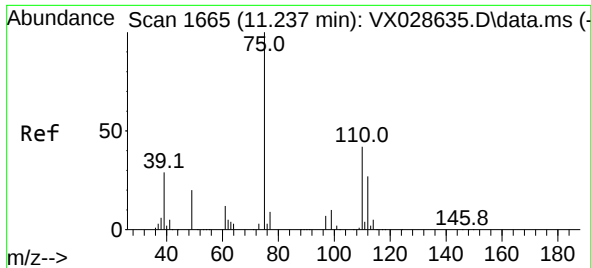
Tgt Ion:117 Resp: 560482
Ion Ratio Lower Upper
117 100
82 55.4 41.8 62.8
119 31.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion:152 Resp: 263145
Ion Ratio Lower Upper
152 100
115 60.9 37.5 112.7
150 157.7 0.0 338.2

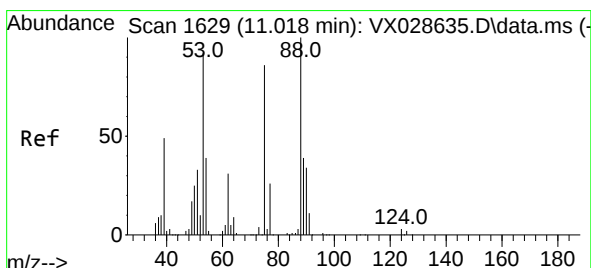
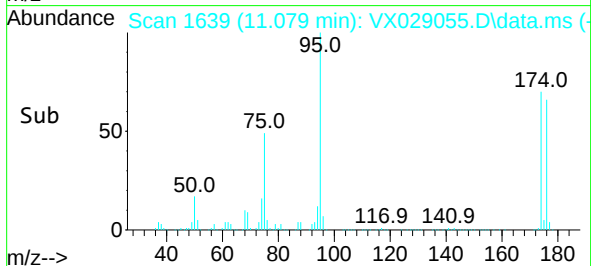
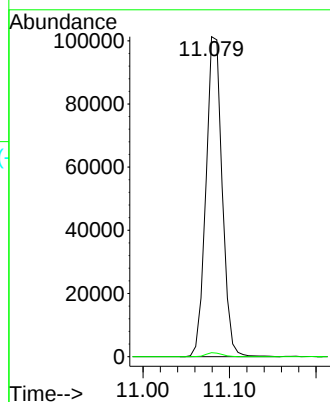
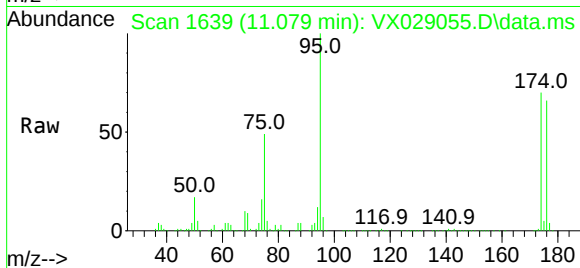




#76
1,2,3-Trichloropropane
Concen: 21.353 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Instrument :
MSVOA_X
ClientSampleId :
48BR-20220525

Tgt Ion: 75 Resp: 131589
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029055.D
Acq: 28 May 2022 04:26

Tgt Ion: 75 Resp: 131589
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

