

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029052.D
 Acq On : 28 May 2022 03:16
 Operator : JC/MD
 Sample : N3022-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

Quant Time: May 28 08:38:17 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)

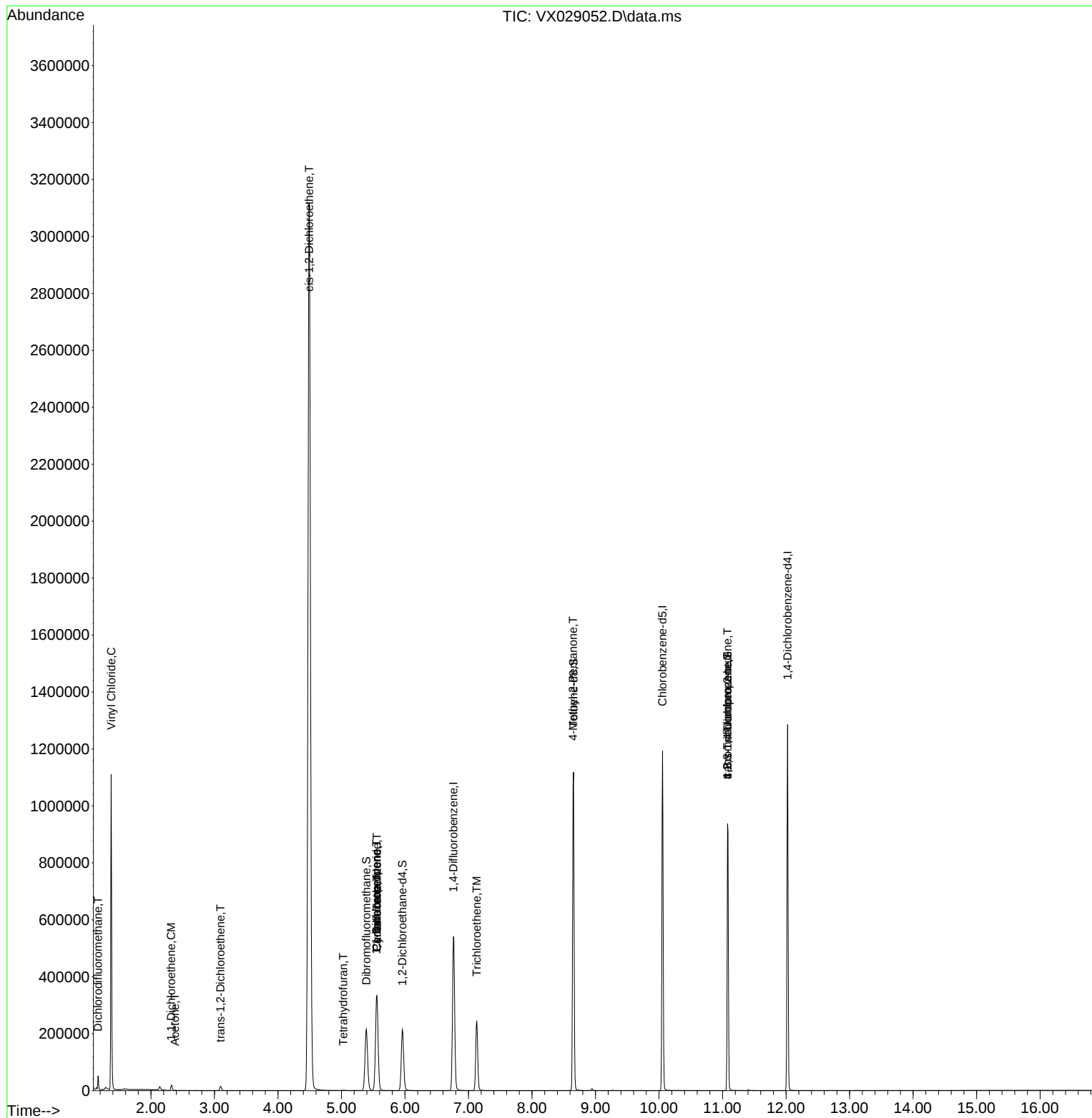
Internal Standards						
1) Pentafluorobenzene	5.556	168	322244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	578216	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	553847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	207324	46.935	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.880%
35) Dibromofluoromethane	5.391	113	189776	50.094	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.180%
50) Toluene-d8	8.653	98	685259	47.978	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.960%
62) 4-Bromofluorobenzene	11.079	95	270216	50.652	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24485	5.803	ug/l	96
4) Vinyl Chloride	1.374	62	658103	153.678	ug/l	100
5) Bromomethane	1.617	94	1114	Below Cal		81
11) Tert butyl alcohol	2.965	59	21	Below Cal	#	72
12) 1,1-Dichloroethene	2.318	96	5950	1.784	ug/l	98
16) Acetone	2.379	43	1089	0.574	ug/l	# 88
21) trans-1,2-Dichloroethene	3.093	96	6453	1.718	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	2101369	478.943	ug/l	86
29) Tetrahydrofuran	5.025	42	1015	0.525	ug/l	# 47
31) Cyclohexane	5.556	56	5787	0.944	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	24225	4.257	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	33128	5.785	ug/l	# 16
44) Trichloroethene	7.129	130	100825	22.733	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	2492	0.407	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	131007	21.174	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	131007	62.148	ug/l	# 15

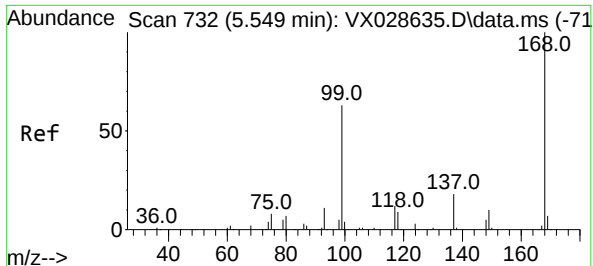
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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91BR-20220525

Quant Time: May 28 08:38:17 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

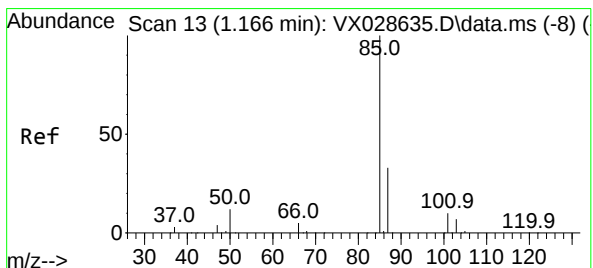
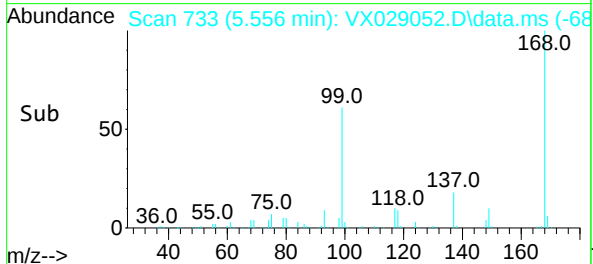
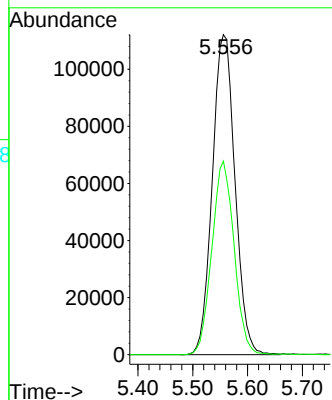
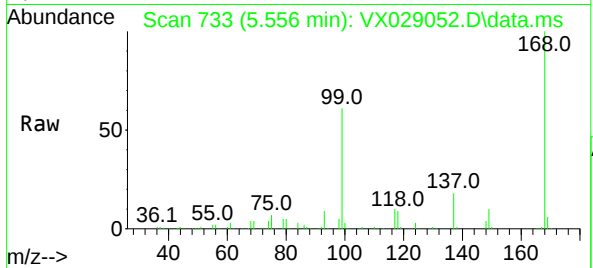




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

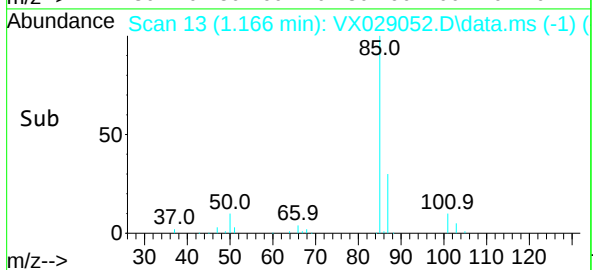
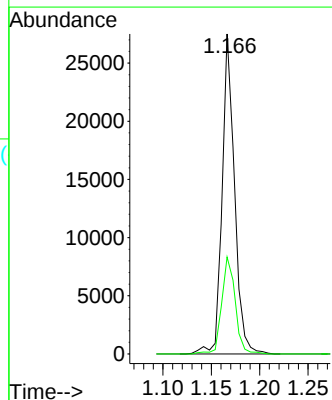
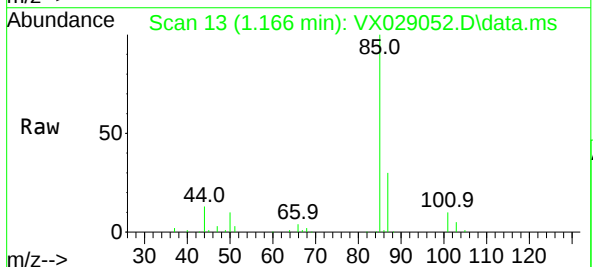
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

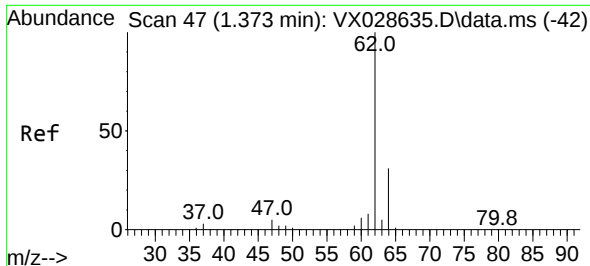
Tgt Ion:168 Resp: 322244
Ion Ratio Lower Upper
168 100
99 60.5 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 5.803 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion: 85 Resp: 24485
Ion Ratio Lower Upper
85 100
87 30.3 16.2 48.6

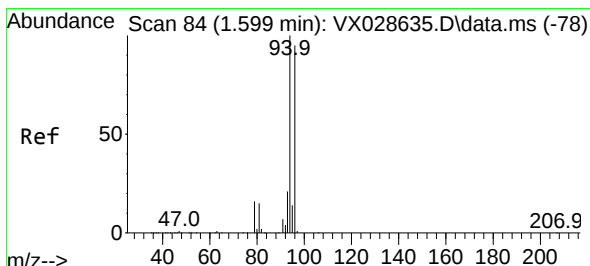
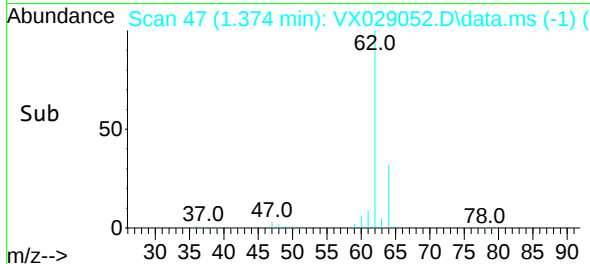
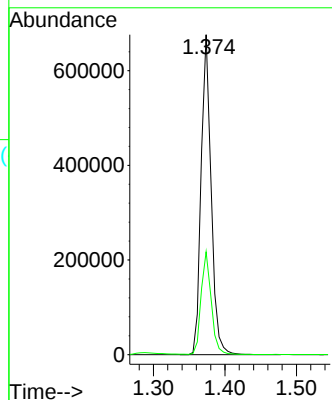
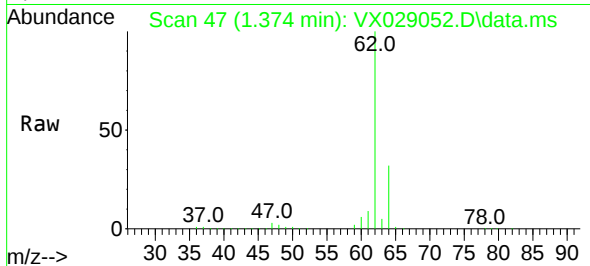




#4
 Vinyl Chloride
 Concen: 153.678 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX029052.D
 Acq: 28 May 2022 03:16

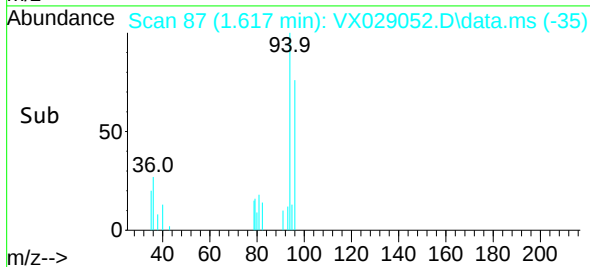
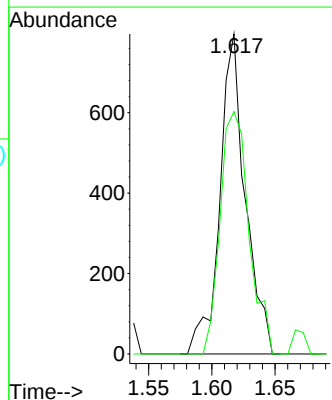
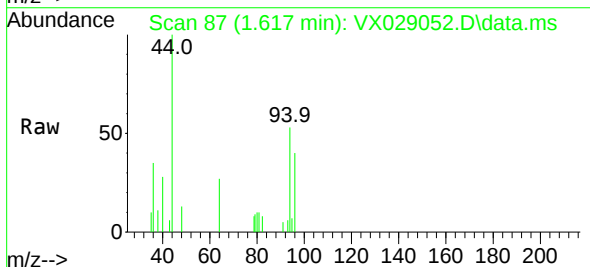
Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

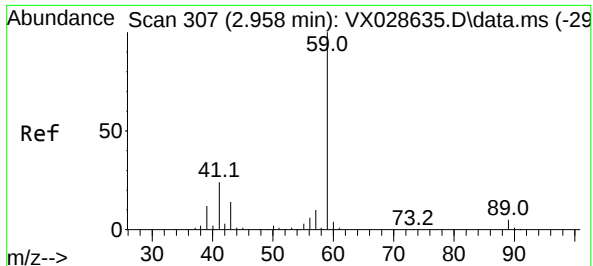
Tgt Ion: 62 Resp: 658103
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX029052.D
 Acq: 28 May 2022 03:16

Tgt Ion: 94 Resp: 1114
 Ion Ratio Lower Upper
 94 100
 96 75.8 75.3 112.9





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.965 min Scan# 307

Delta R.T. 0.007 min

Lab File: VX029052.D

Acq: 28 May 2022 03:16

Instrument :

MSVOA_X

ClientSampleId :

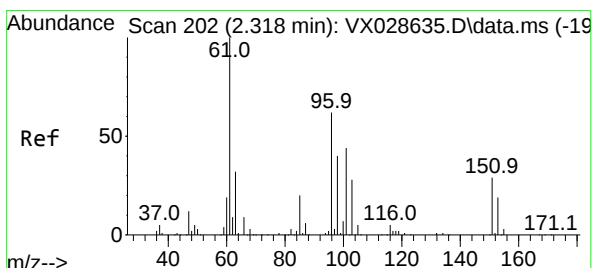
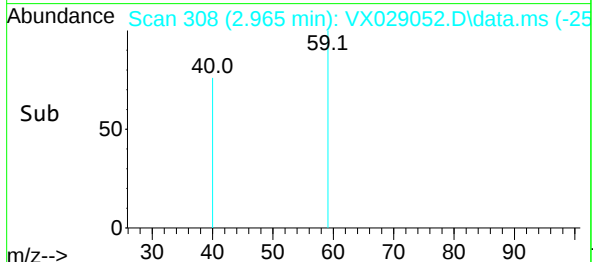
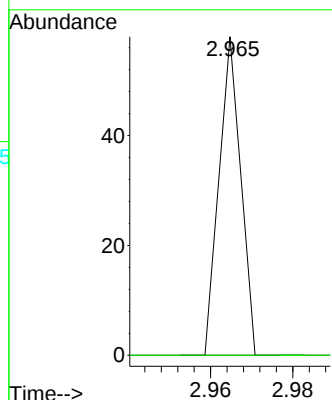
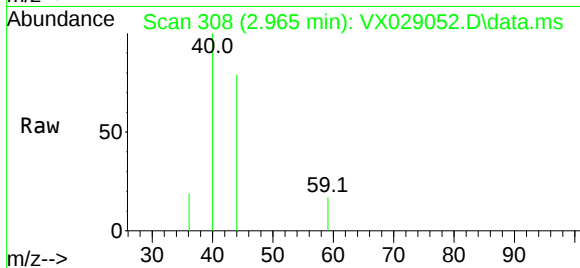
91BR-20220525

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 1.784 ug/l

RT: 2.318 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX029052.D

Acq: 28 May 2022 03:16

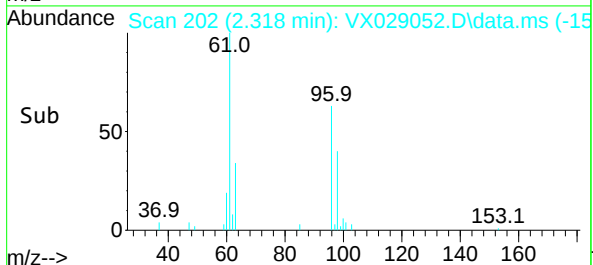
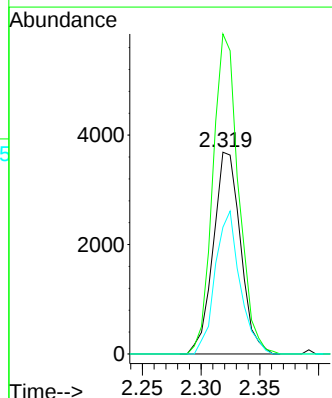
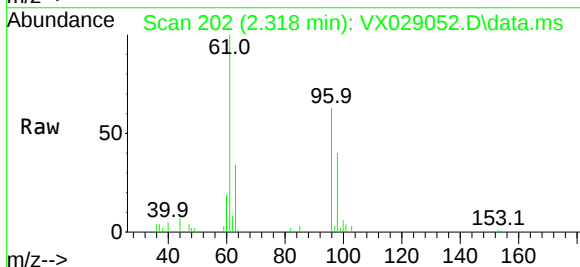
Tgt Ion: 96 Resp: 5950

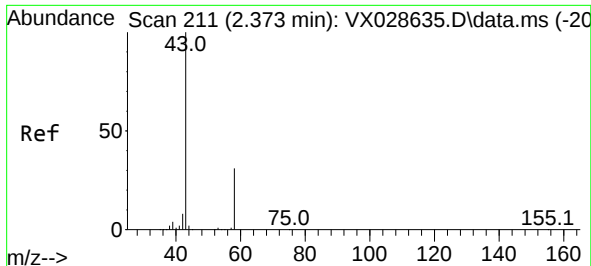
Ion Ratio Lower Upper

96 100

61 158.6 124.6 187.0

98 62.8 51.0 76.4

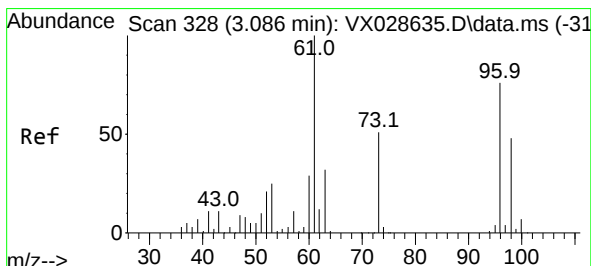
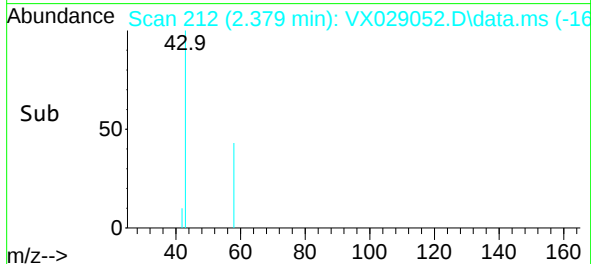
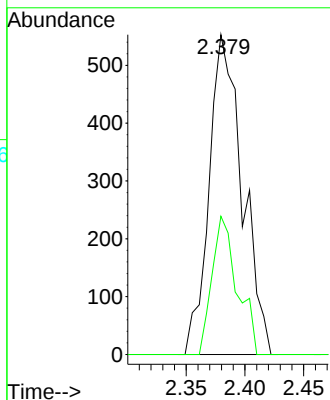
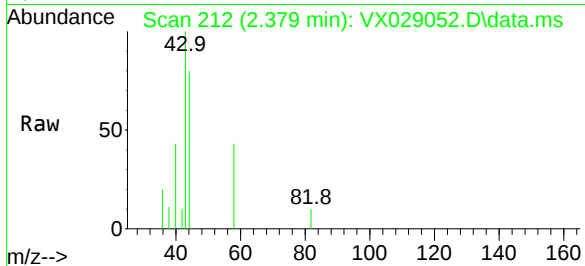




#16
Acetone
Concen: 0.574 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

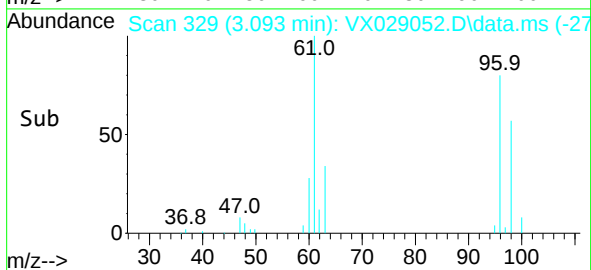
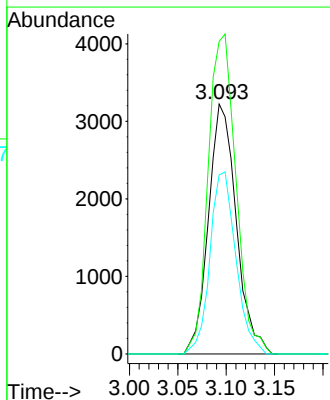
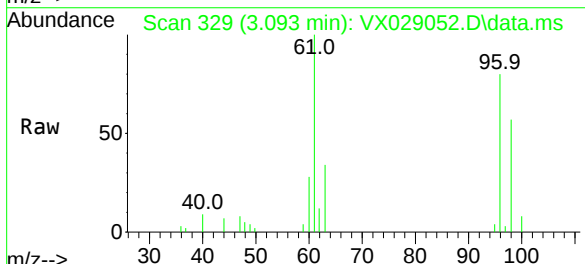
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

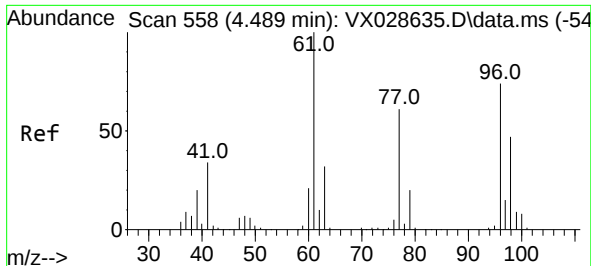
Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 43.2 28.8 43.2#



#21
trans-1,2-Dichloroethene
Concen: 1.718 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.007 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion: 96 Resp: 6453
Ion Ratio Lower Upper
96 100
61 125.0 105.4 158.2
98 71.6 50.0 75.0



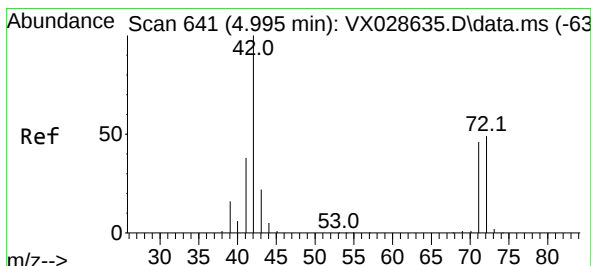
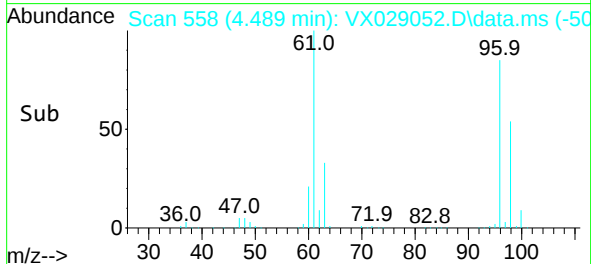
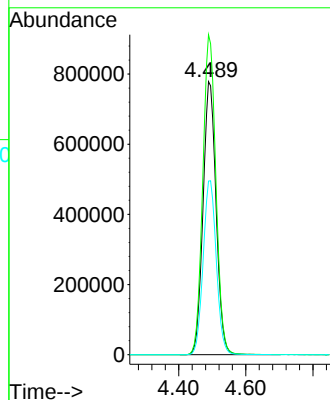
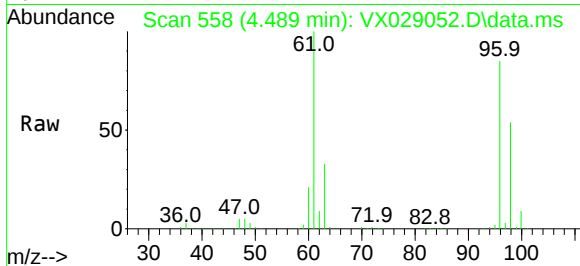


#27
 cis-1,2-Dichloroethene
 Concen: 478.943 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX029052.D
 Acq: 28 May 2022 03:16

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20220525

Tgt Ion: 96 Resp: 2101369

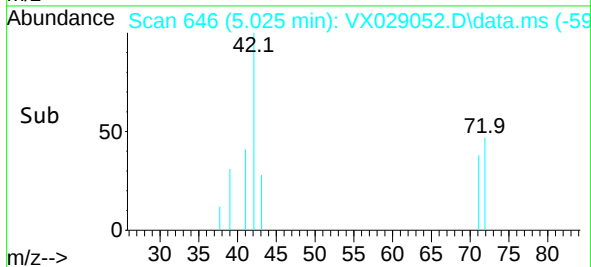
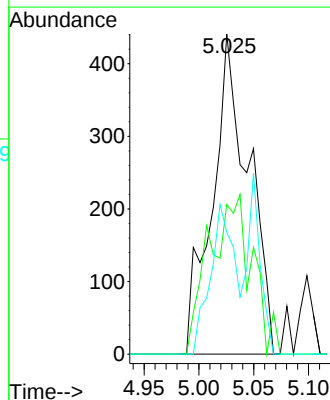
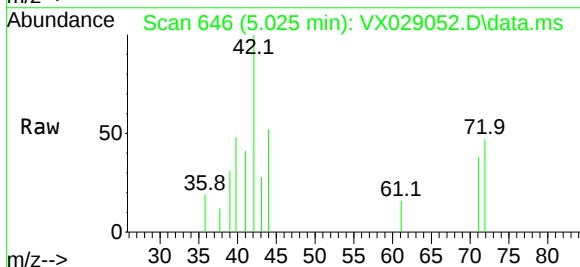
Ion	Ratio	Lower	Upper
96	100		
61	118.0	0.0	283.8
98	64.4	0.0	129.8

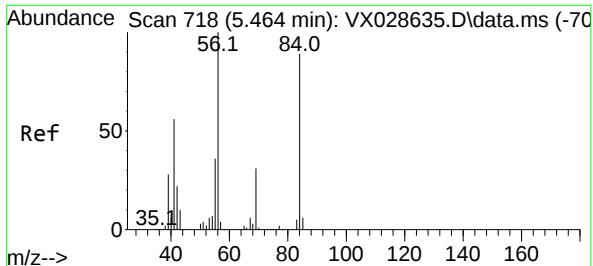


#29
 Tetrahydrofuran
 Concen: 0.525 ug/l
 RT: 5.025 min Scan# 646
 Delta R.T. 0.030 min
 Lab File: VX029052.D
 Acq: 28 May 2022 03:16

Tgt Ion: 42 Resp: 1015

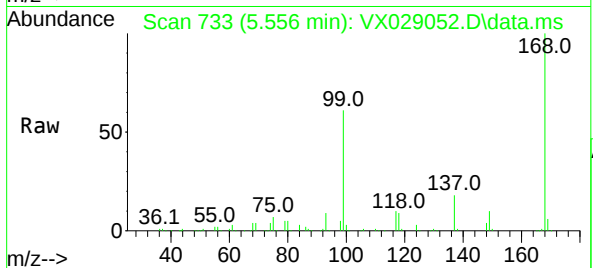
Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.1	66.1#
71	31.1	40.5	60.7#



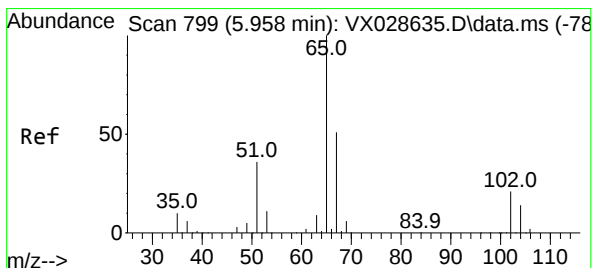
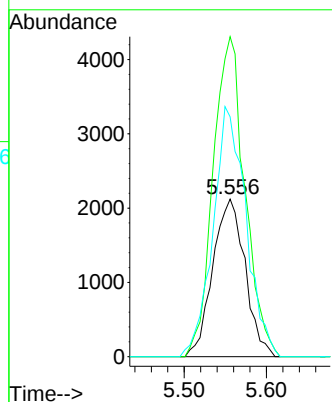
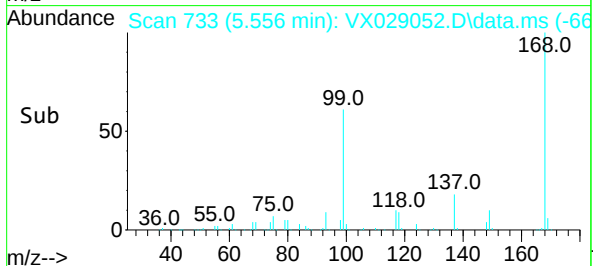


#31
Cyclohexane
Concen: 0.944 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Instrument :
MSVOA_X
ClientSampleId :
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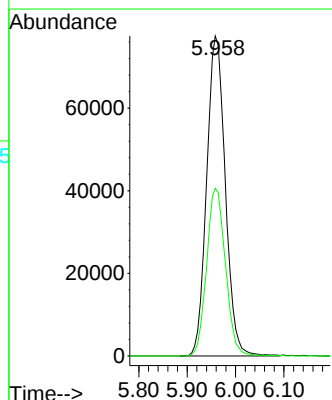
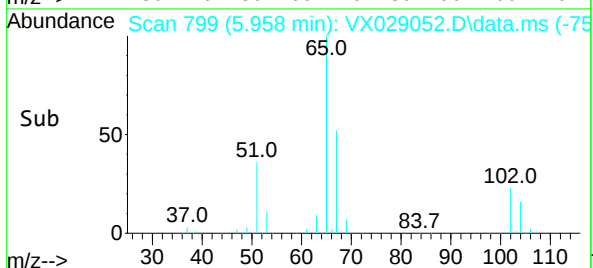
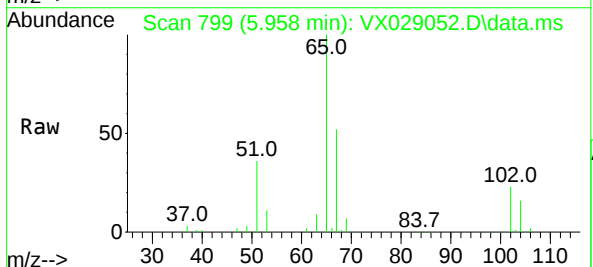


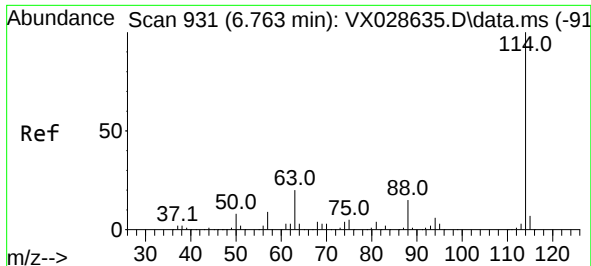
Tgt Ion: 56 Resp: 5787
Ion Ratio Lower Upper
56 100
69 203.1 26.7 40.1#
84 152.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.935 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion: 65 Resp: 207324
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4

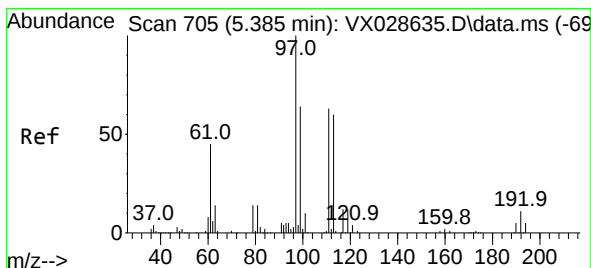
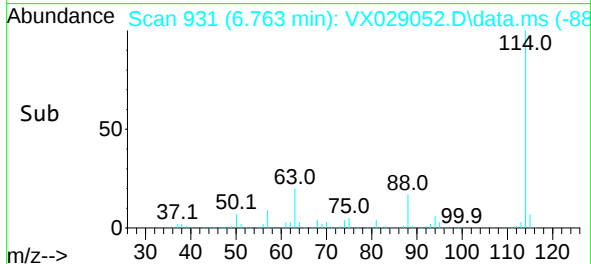
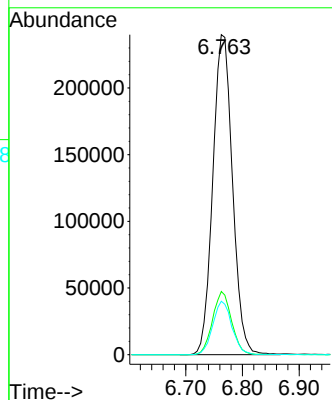
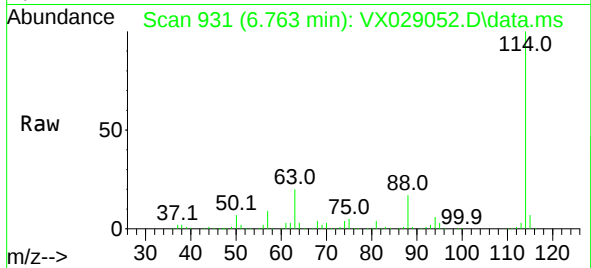




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

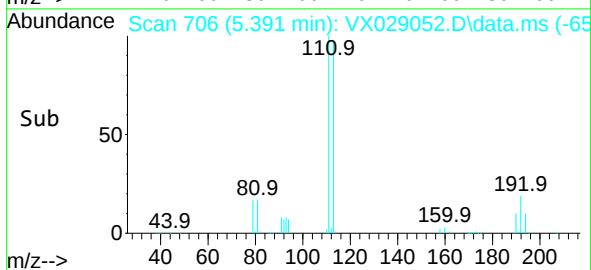
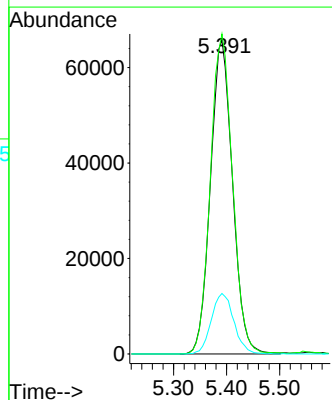
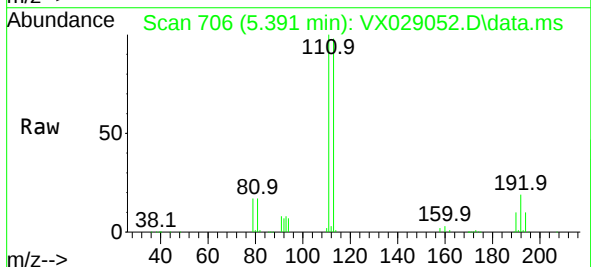
Instrument :
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ClientSampleId :
91BR-20220525

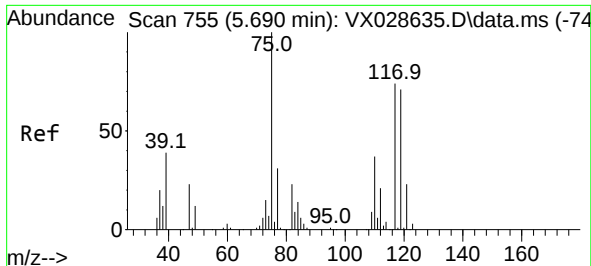
Tgt Ion:114 Resp: 578216
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.094 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion:113 Resp: 189776
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.7 16.9 25.3

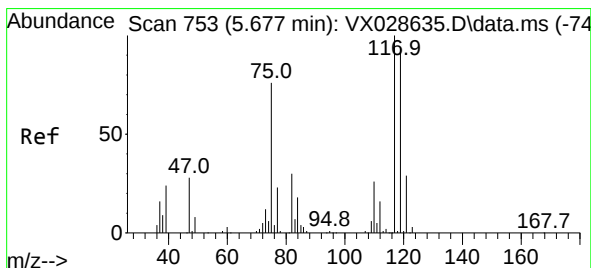
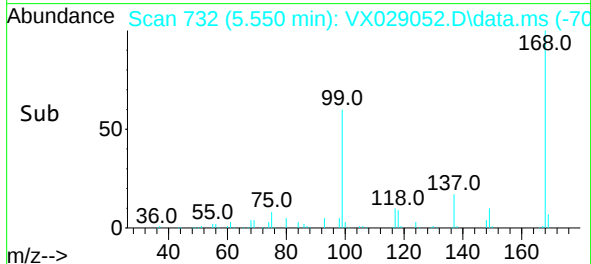
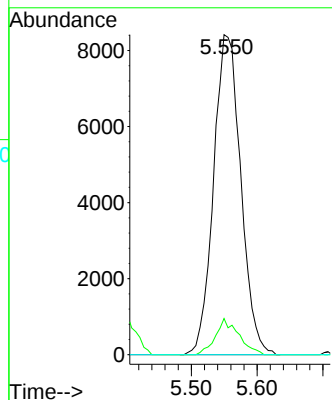
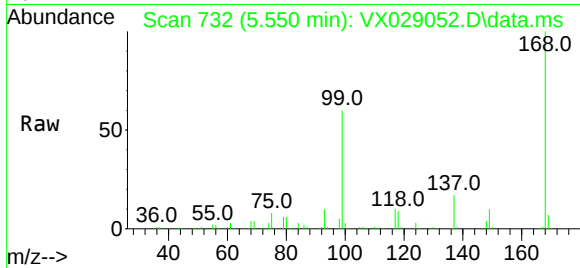




#36
1,1-Dichloropropene
Concen: 4.257 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

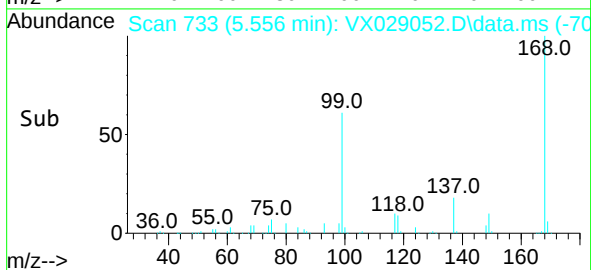
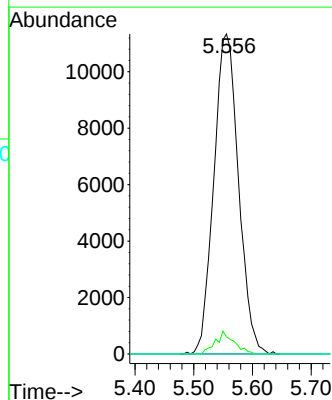
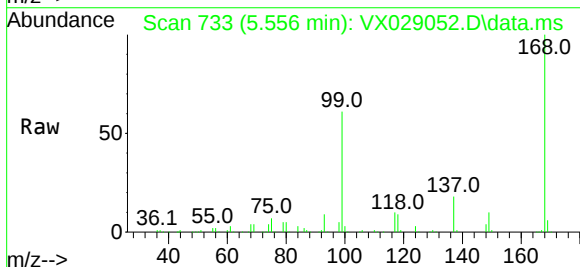
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

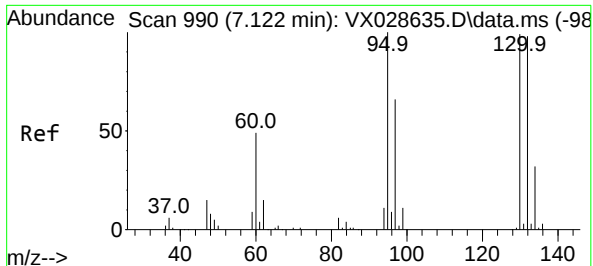
Tgt Ion: 75 Resp: 24225
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion: 117 Resp: 33128
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#

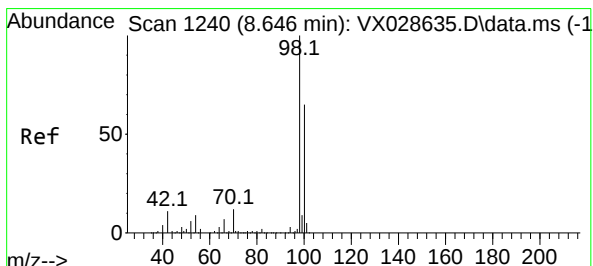
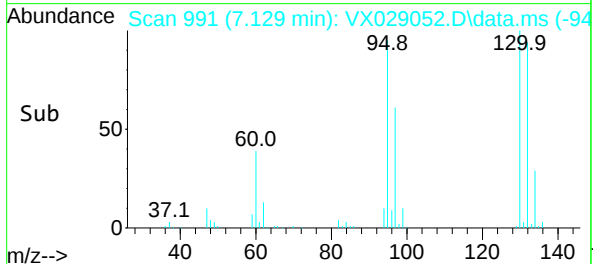
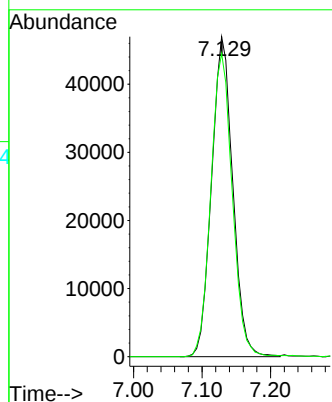
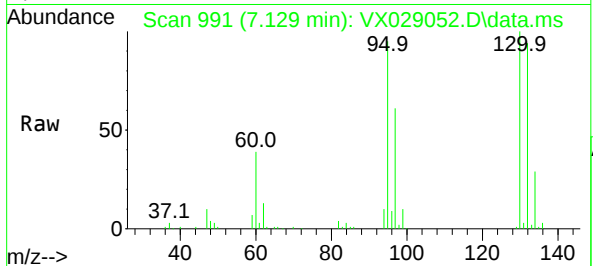




#44
Trichloroethene
Concen: 22.733 ug/l
RT: 7.129 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

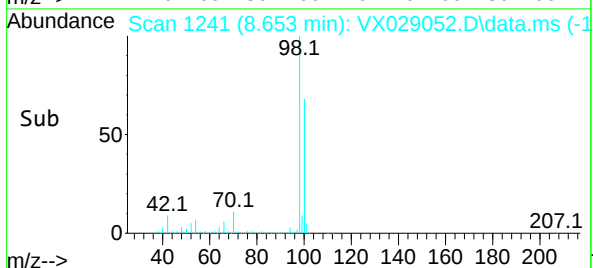
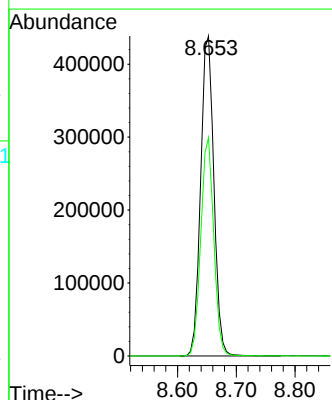
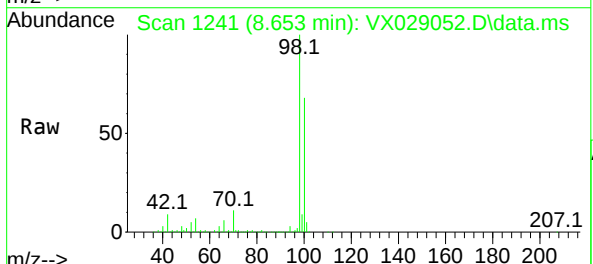
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

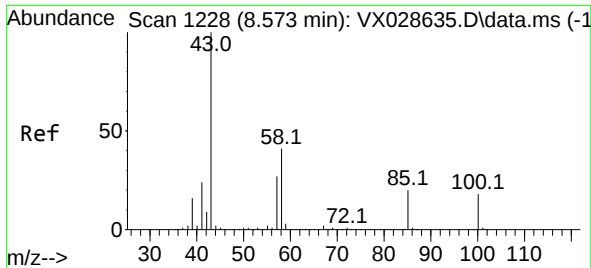
Tgt Ion:130 Resp: 100825
Ion Ratio Lower Upper
130 100
95 94.8 0.0 188.8



#50
Toluene-d8
Concen: 47.978 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion: 98 Resp: 685259
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8

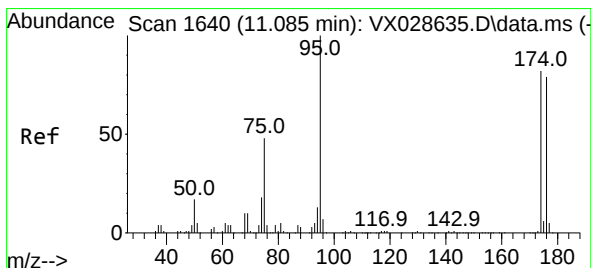
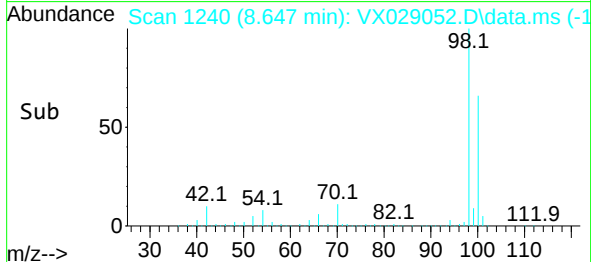
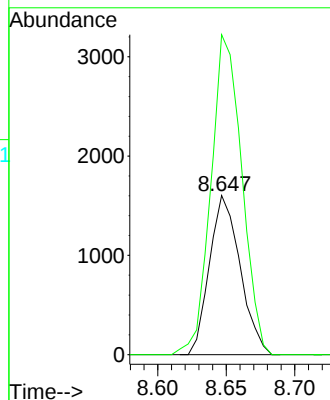
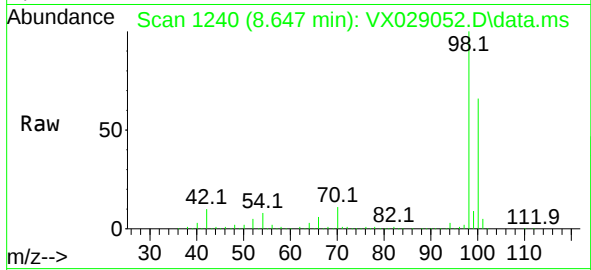




#51
4-Methyl-2-Pentanone
Concen: 0.407 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

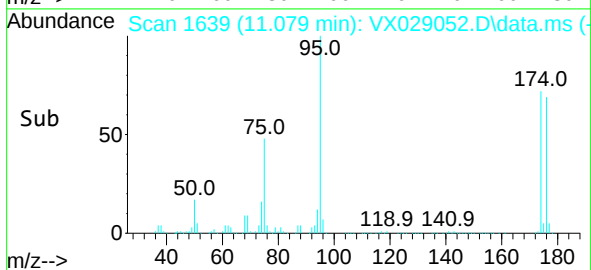
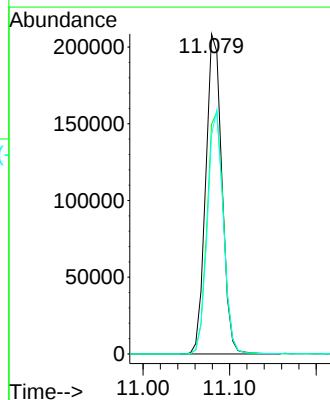
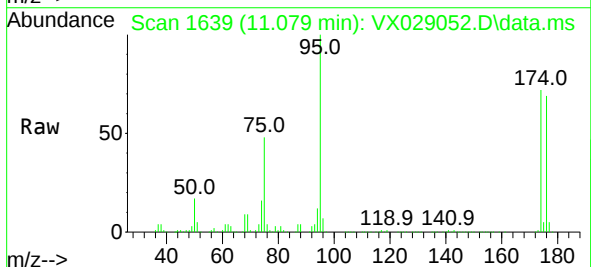
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

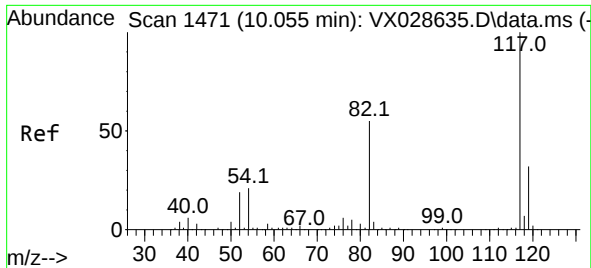
Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
58 203.0 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 50.652 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion: 95 Resp: 270216
Ion Ratio Lower Upper
95 100
174 77.3 0.0 163.0
176 74.9 0.0 155.0

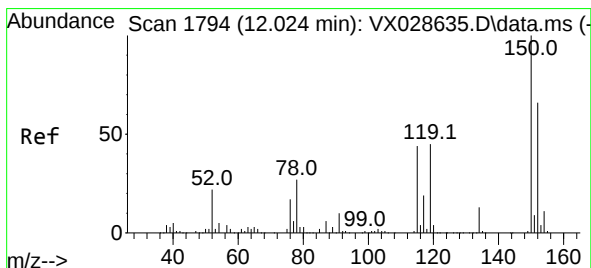
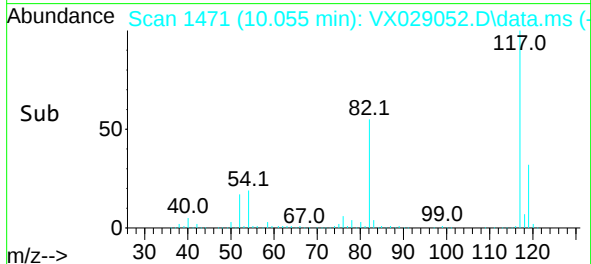
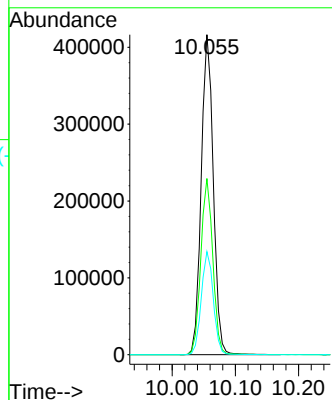
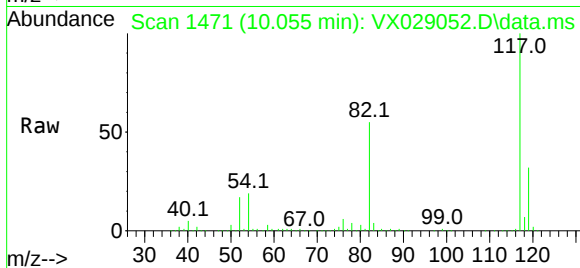




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

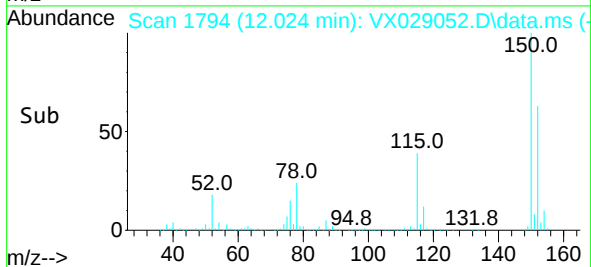
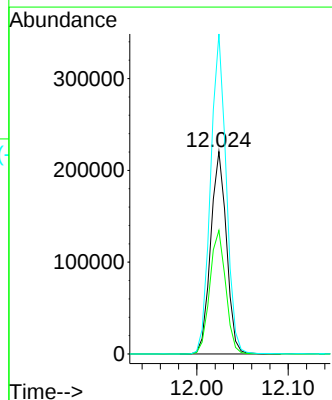
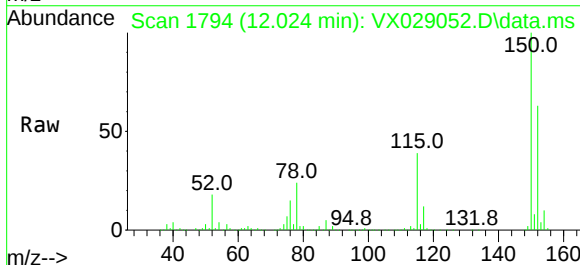
Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

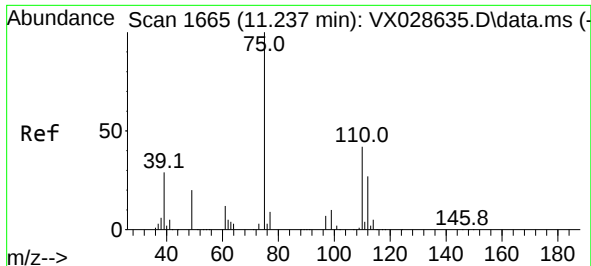
Tgt Ion:117 Resp: 553847
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion:152 Resp: 264191
Ion Ratio Lower Upper
152 100
115 61.4 37.5 112.7
150 156.1 0.0 338.2

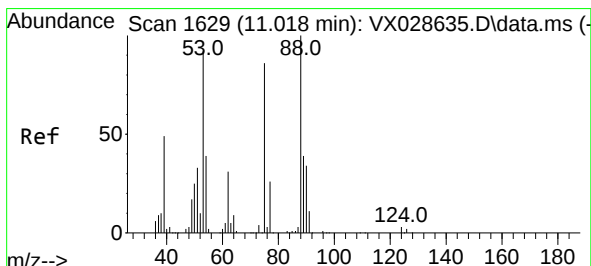
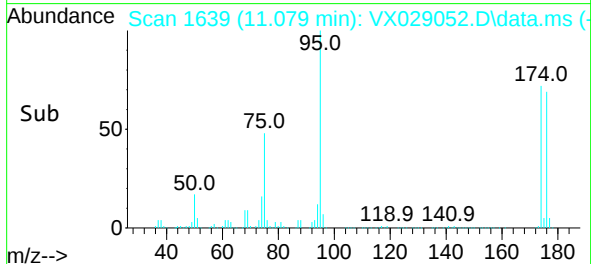
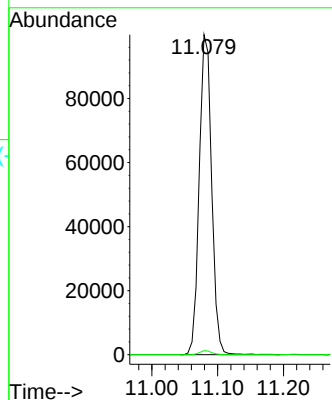
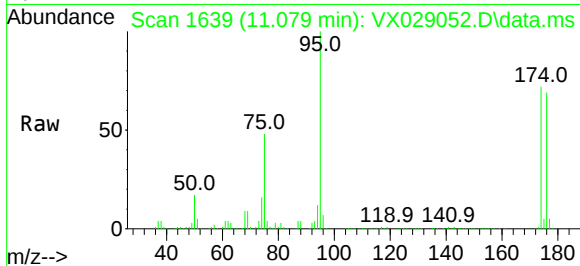




#76
1,2,3-Trichloropropane
Concen: 21.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Instrument :
MSVOA_X
ClientSampleId :
91BR-20220525

Tgt Ion: 75 Resp: 131007
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.148 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029052.D
Acq: 28 May 2022 03:16

Tgt Ion: 75 Resp: 131007
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

