

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029057.D
 Acq On : 28 May 2022 05:12
 Operator : JC/MD
 Sample : N3022-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 29BR-20220525

Quant Time: May 28 08:39:31 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)

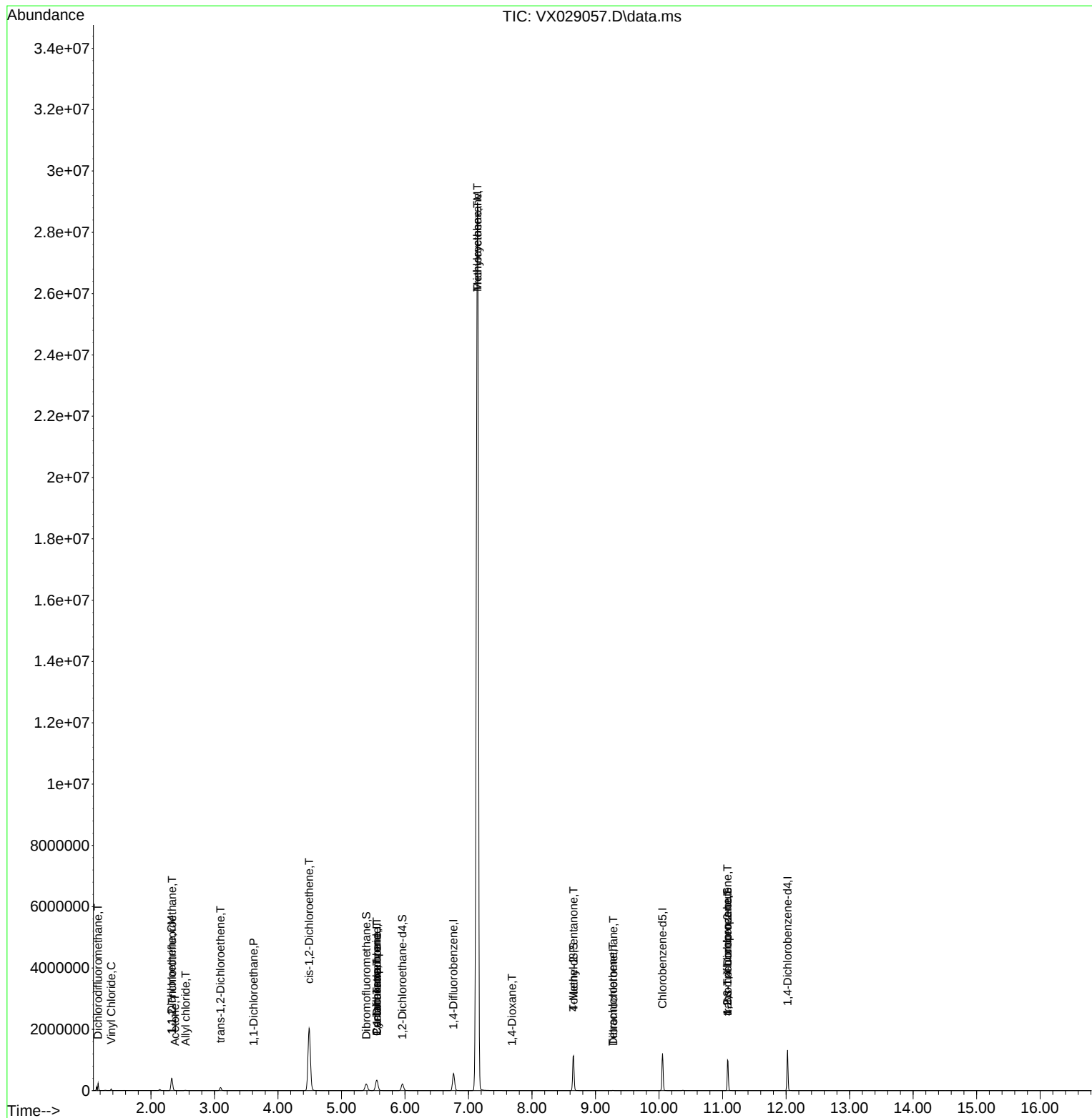
Internal Standards						
1) Pentafluorobenzene	5.556	168	332229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	593903	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	274055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	210739	46.275	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.540%
35) Dibromofluoromethane	5.391	113	194441	49.970	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.940%
50) Toluene-d8	8.653	98	701060	47.787	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.580%
62) 4-Bromofluorobenzene	11.079	95	279230	50.959	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.920%
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.166	85	121634	27.960	ug/l	98
4) Vinyl Chloride	1.374	62	31638	7.166	ug/l	96
5) Bromomethane	1.611	94	846	Below Cal		85
6) Chloroethane	1.636	64	1750	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	107784	29.098	ug/l	99
11) Tert butyl alcohol	2.947	59	853	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	65059	18.921	ug/l	95
14) Allyl chloride	2.544	41	1426	0.259	ug/l	# 60
16) Acetone	2.380	43	4517	2.311	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	44455	11.478	ug/l	98
24) 1,1-Dichloroethane	3.617	63	1467	0.214	ug/l	# 81
27) cis-1,2-Dichloroethene	4.489	96	1367063	302.216	ug/l	86
31) Cyclohexane	5.556	56	6389	1.011	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	24783	4.240	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	33745	5.737	ug/l	# 16
39) Methylcyclohexane	7.141	83	169027	25.219	ug/l	# 1
44) Trichloroethene	7.141	130	12773961	2804.120	ug/l	97
49) 1,4-Dioxane	7.684	88	117	1.015	ug/l	# 25
51) 4-Methyl-2-Pentanone	8.653	43	2619	0.416	ug/l	# 1
60) Dibromochloromethane	9.281	129	1179	0.274	ug/l	# 9
64) Tetrachloroethene	9.275	164	1243	0.286	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	134933	21.024	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	134933	61.735	ug/l	# 15

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

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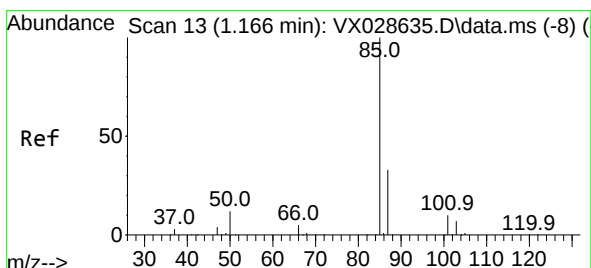
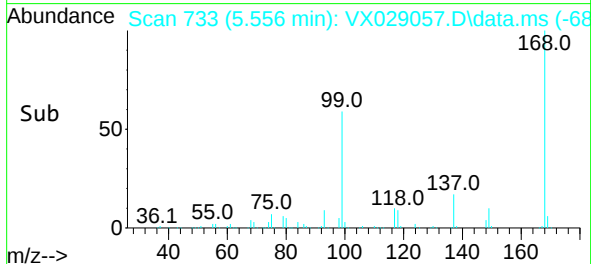
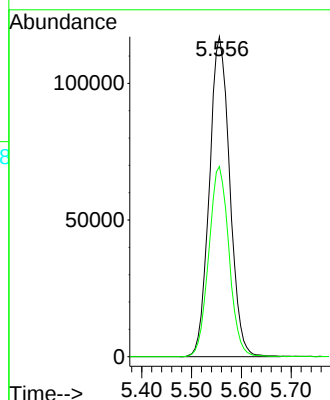
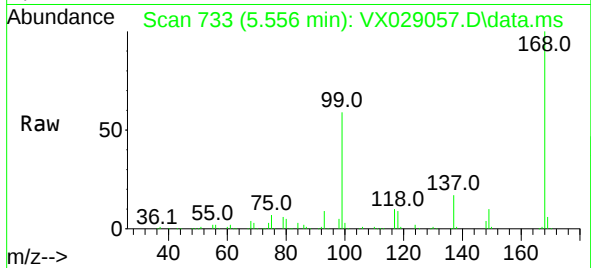




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

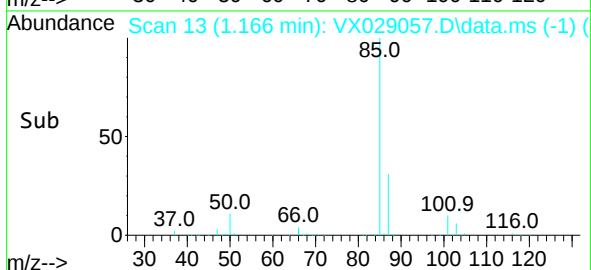
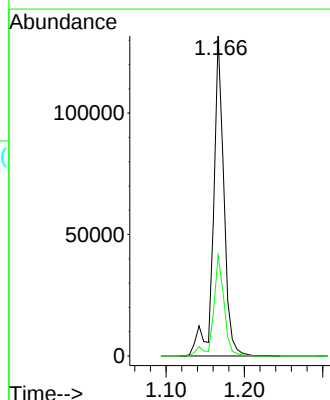
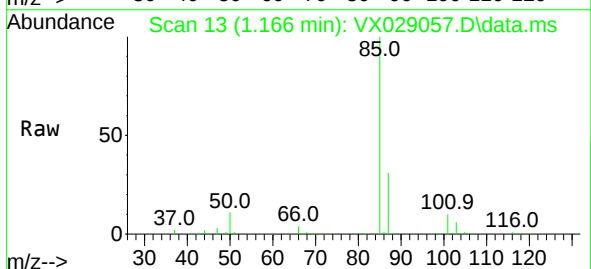
Instrument :
MSVOA_X
ClientSampleId :
29BR-20220525

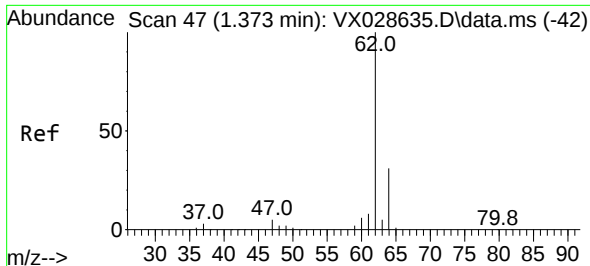
Tgt Ion:168 Resp: 332229
Ion Ratio Lower Upper
168 100
99 59.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 27.960 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 85 Resp: 121634
Ion Ratio Lower Upper
85 100
87 31.4 16.2 48.6

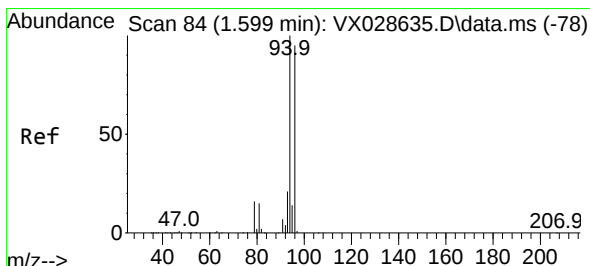
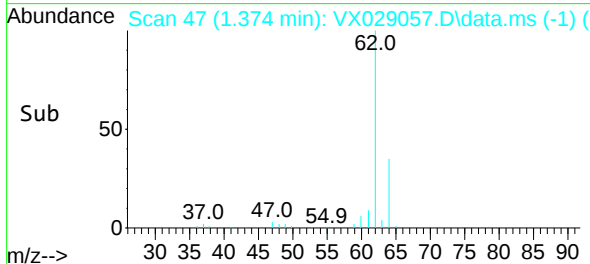
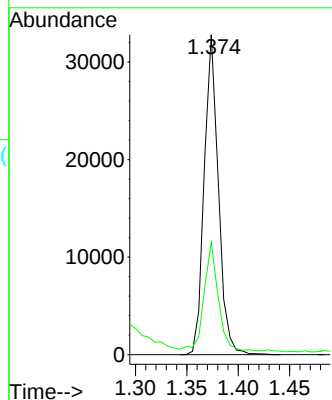
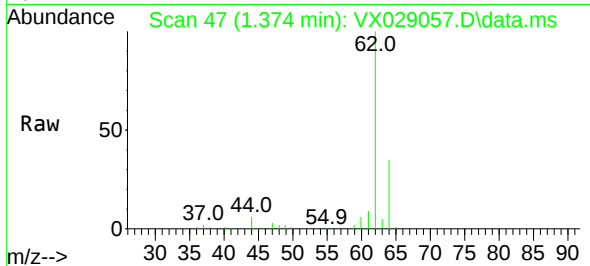




#4
 Vinyl Chloride
 Concen: 7.166 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX029057.D
 Acq: 28 May 2022 05:12

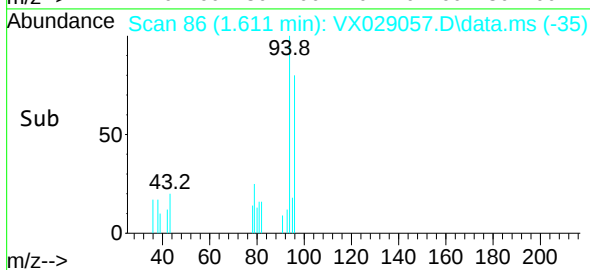
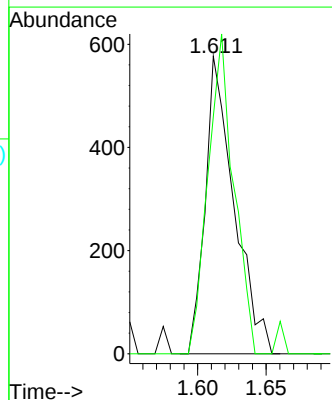
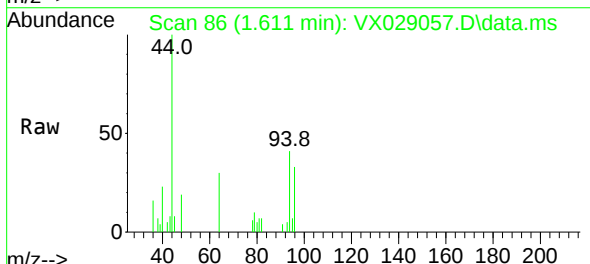
Instrument :
 MSVOA_X
 ClientSampleId :
 29BR-20220525

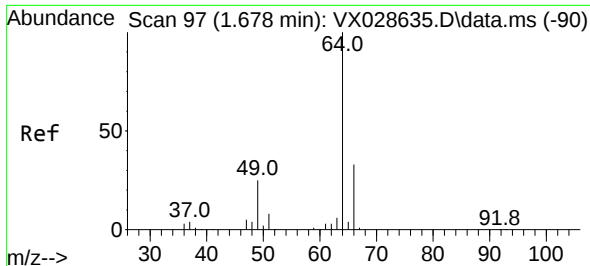
Tgt Ion: 62 Resp: 31638
 Ion Ratio Lower Upper
 62 100
 64 34.0 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX029057.D
 Acq: 28 May 2022 05:12

Tgt Ion: 94 Resp: 846
 Ion Ratio Lower Upper
 94 100
 96 79.7 75.3 112.9

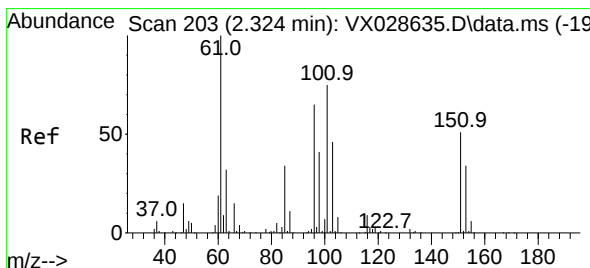
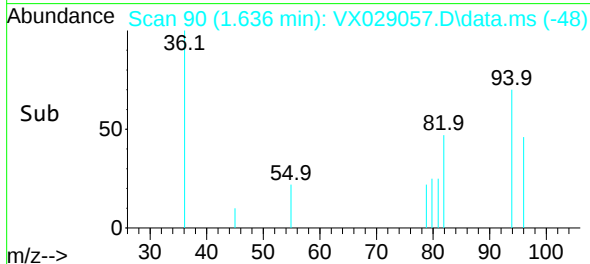
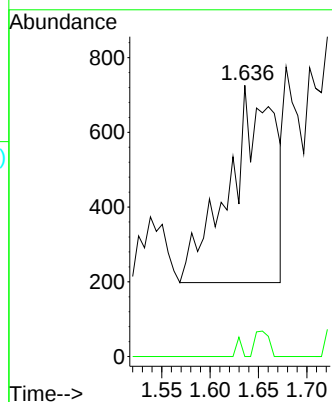
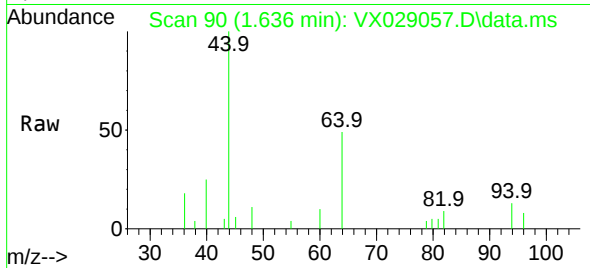




#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.042 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

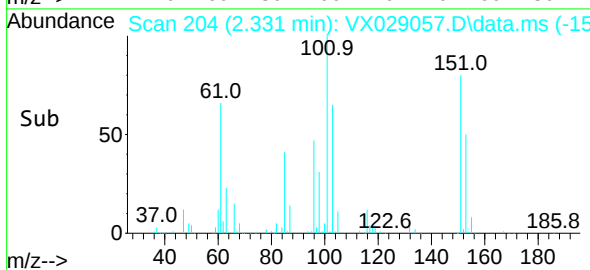
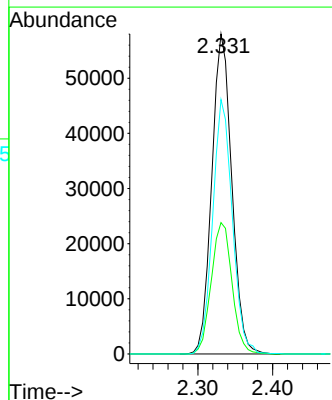
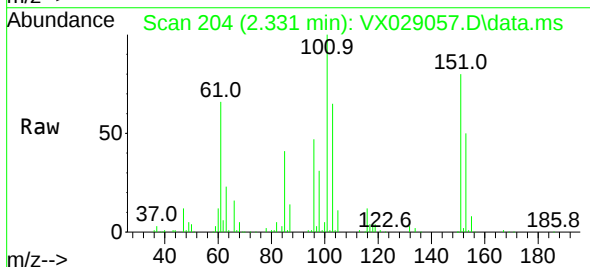
Instrument :
MSVOA_X
ClientSampleId :
29BR-20220525

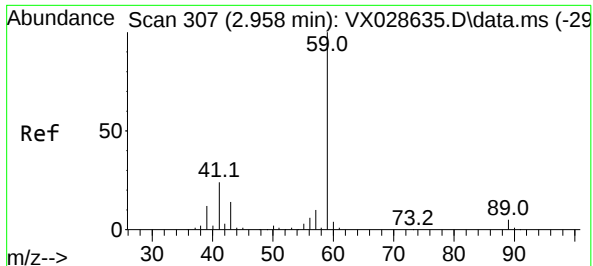
Tgt Ion: 64 Resp: 1750
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 29.098 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 101 Resp: 107784
Ion Ratio Lower Upper
101 100
85 42.6 33.5 50.3
151 78.1 61.8 92.6

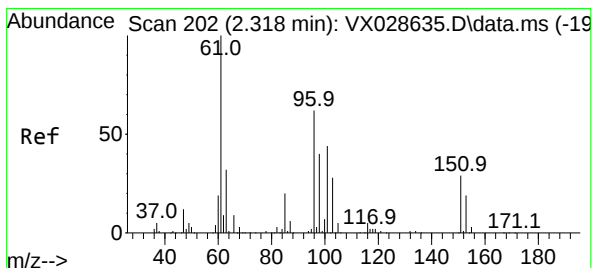
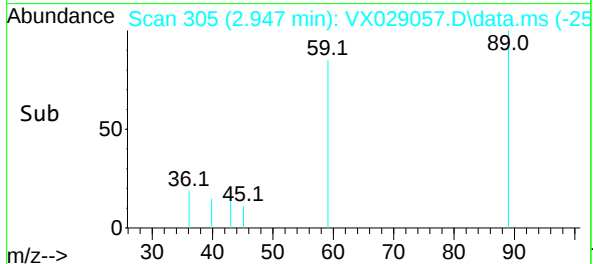
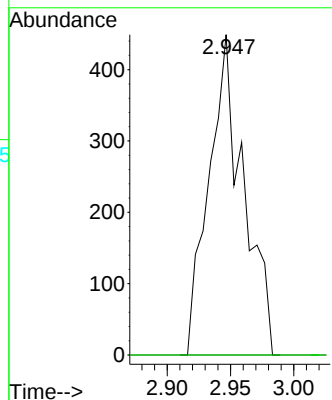
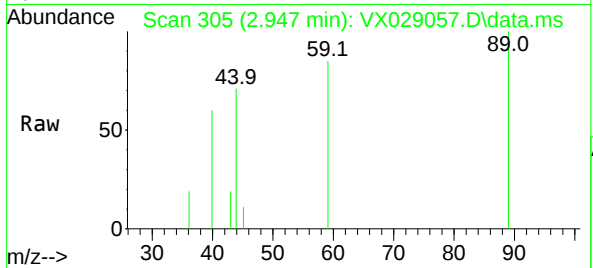




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 30
Delta R.T. -0.011 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

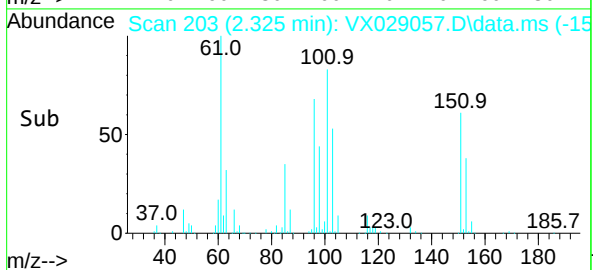
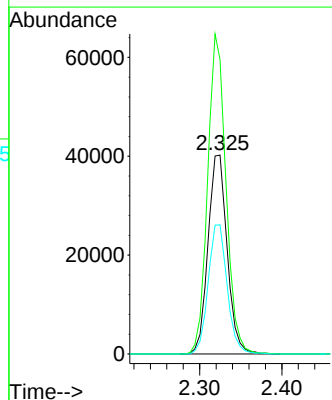
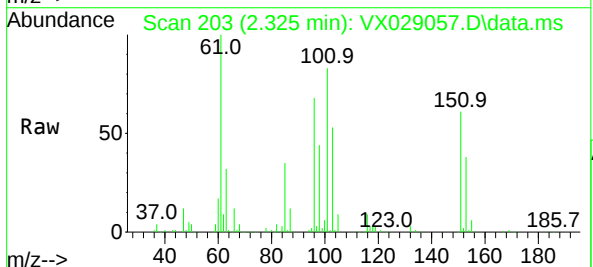
Instrument :
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ClientSampleId :
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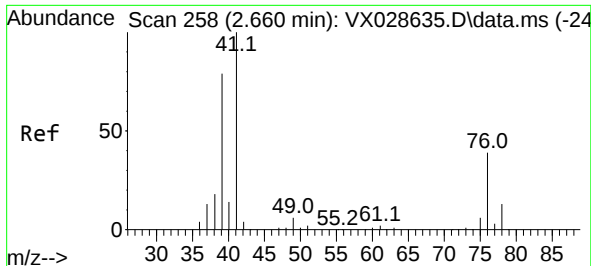
Tgt Ion: 59 Resp: 853
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 18.921 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 96 Resp: 65059
Ion Ratio Lower Upper
96 100
61 148.0 124.6 187.0
98 65.0 51.0 76.4

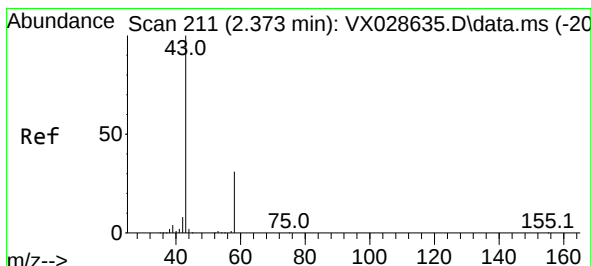
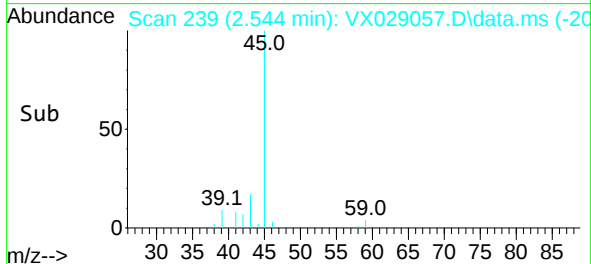
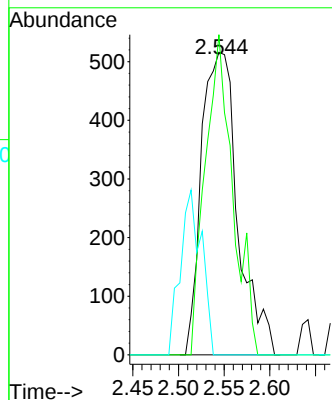
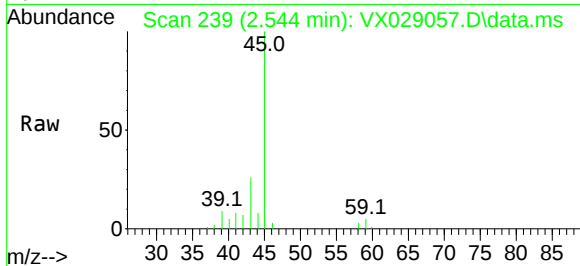




#14
 Allyl chloride
 Concen: 0.259 ug/l
 RT: 2.544 min Scan# 211
 Delta R.T. -0.116 min
 Lab File: VX029057.D
 Acq: 28 May 2022 05:12

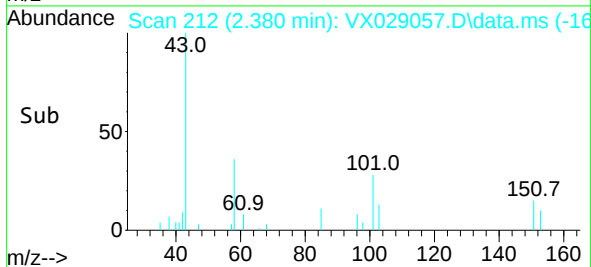
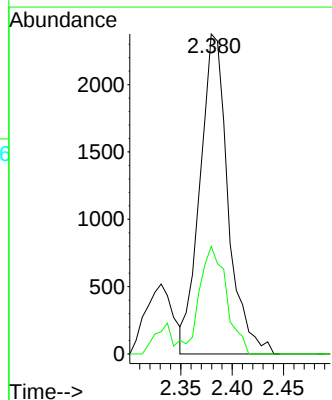
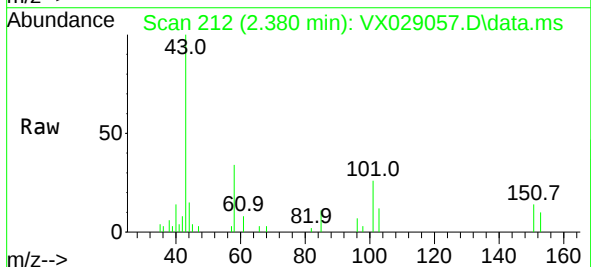
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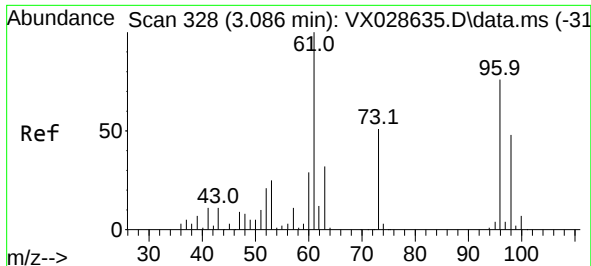
Tgt Ion: 41 Resp: 1426
 Ion Ratio Lower Upper
 41 100
 39 80.6 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 2.311 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.007 min
 Lab File: VX029057.D
 Acq: 28 May 2022 05:12

Tgt Ion: 43 Resp: 4517
 Ion Ratio Lower Upper
 43 100
 58 33.7 28.8 43.2

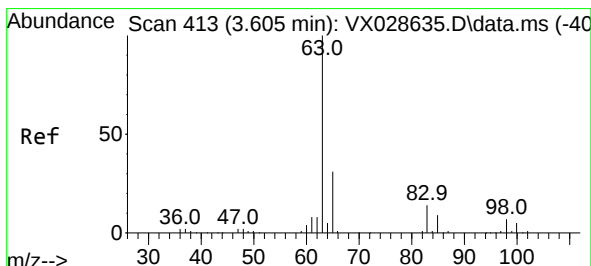
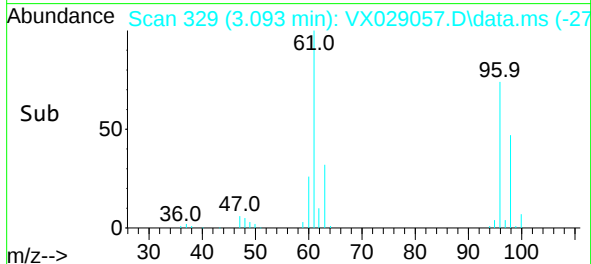
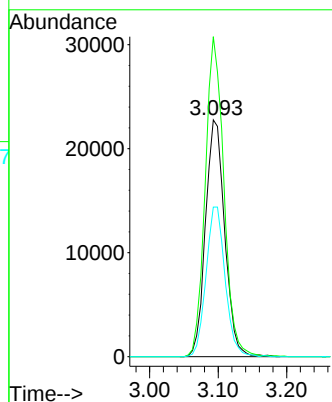
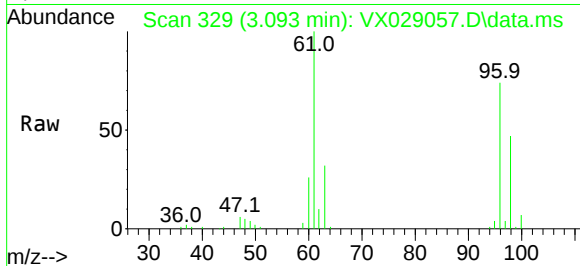




#21
trans-1,2-Dichloroethene
Concen: 11.478 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

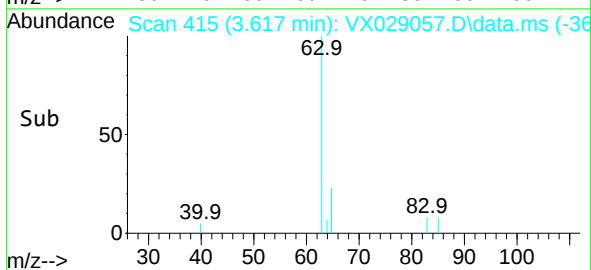
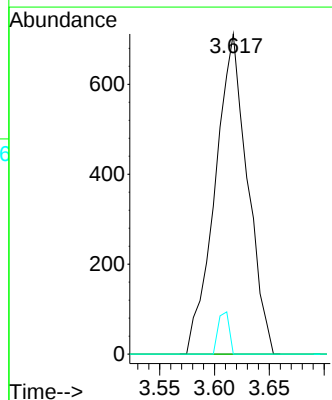
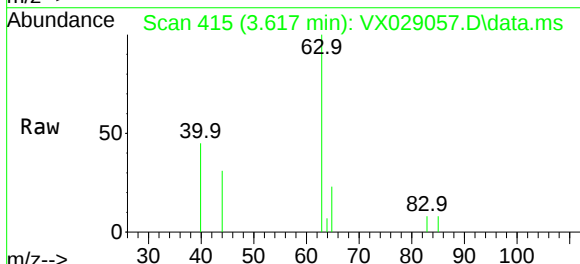
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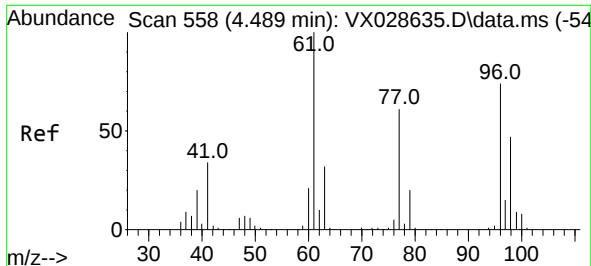
Tgt Ion: 96 Resp: 44455
Ion Ratio Lower Upper
96 100
61 135.1 105.4 158.2
98 63.1 50.0 75.0



#24
1,1-Dichloroethane
Concen: 0.214 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 63 Resp: 1467
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#





#27

cis-1,2-Dichloroethene

Concen: 302.216 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX029057.D

Acq: 28 May 2022 05:12

Instrument :

MSVOA_X

ClientSampleId :

29BR-20220525

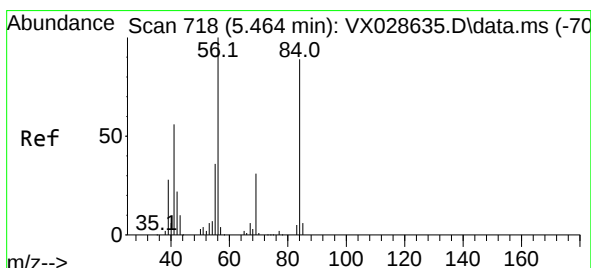
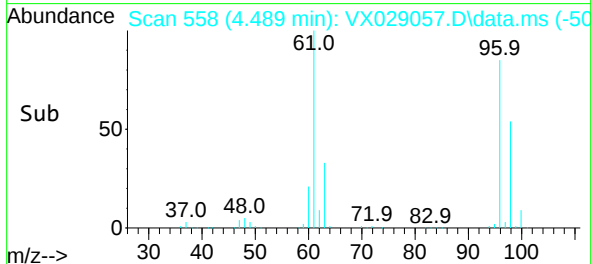
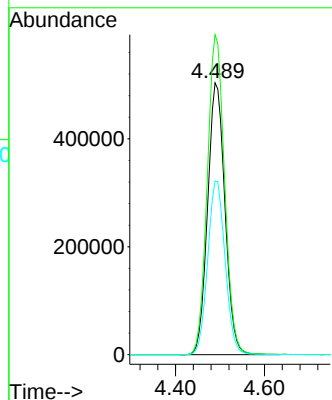
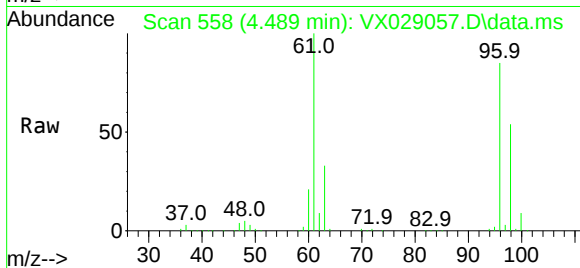
Tgt Ion: 96 Resp: 1367063

Ion Ratio Lower Upper

96 100

61 118.0 0.0 283.8

98 64.3 0.0 129.8



#31

Cyclohexane

Concen: 1.011 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX029057.D

Acq: 28 May 2022 05:12

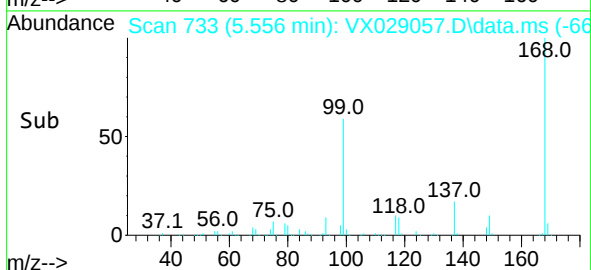
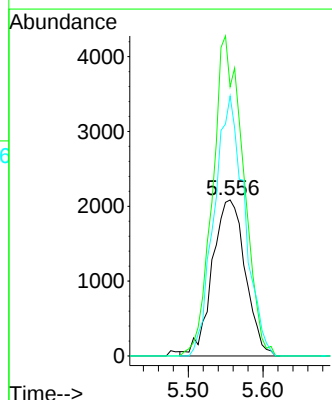
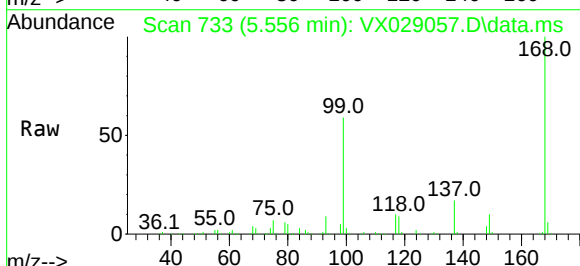
Tgt Ion: 56 Resp: 6389

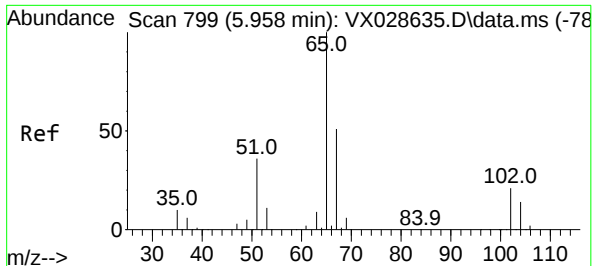
Ion Ratio Lower Upper

56 100

69 172.6 26.7 40.1#

84 166.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.275 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029057.D

Acq: 28 May 2022 05:12

Instrument :

MSVOA_X

ClientSampleId :

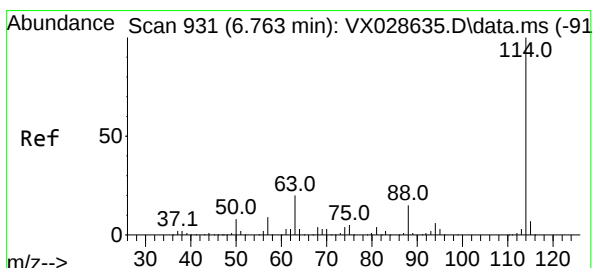
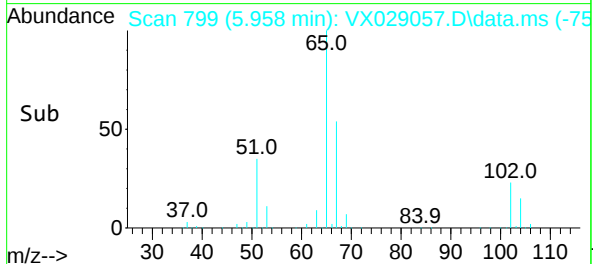
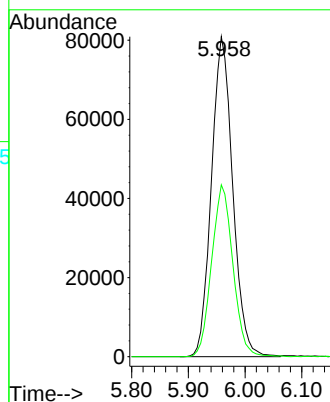
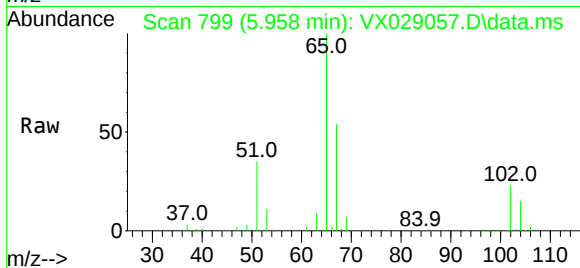
29BR-20220525

Tgt Ion: 65 Resp: 210739

Ion Ratio Lower Upper

65 100

67 53.7 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: VX029057.D

Acq: 28 May 2022 05:12

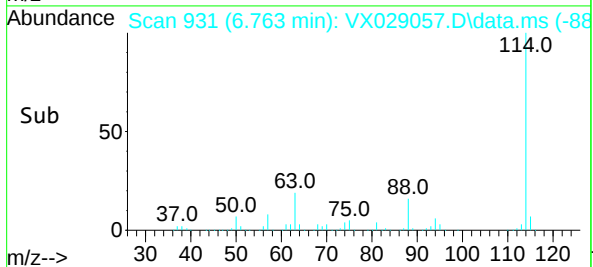
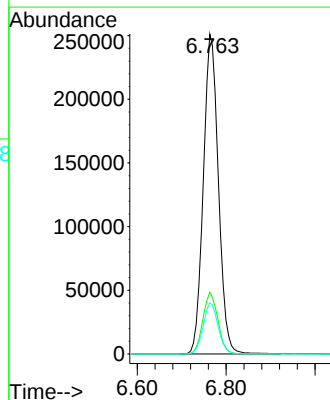
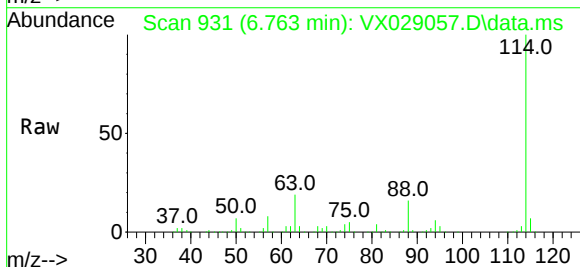
Tgt Ion: 114 Resp: 593903

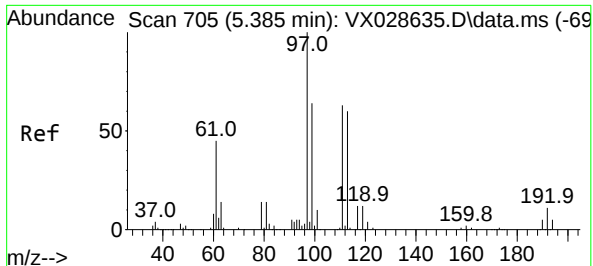
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.8

88 15.9 0.0 32.4

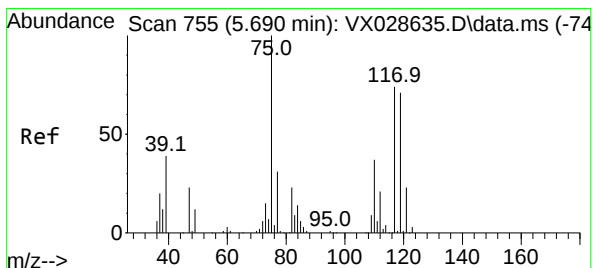
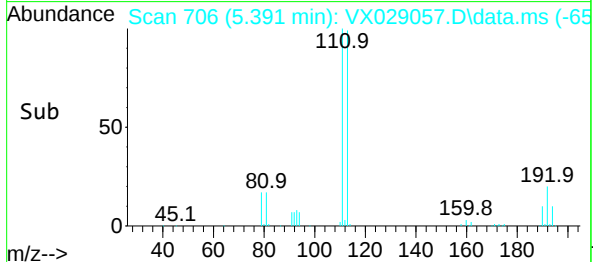
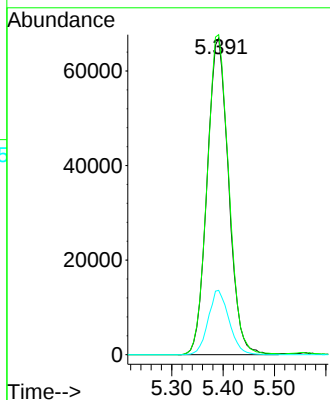
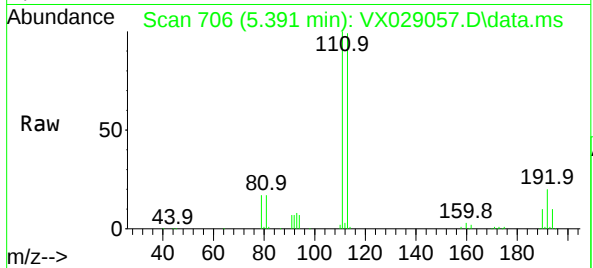




#35
Dibromofluoromethane
Concen: 49.970 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

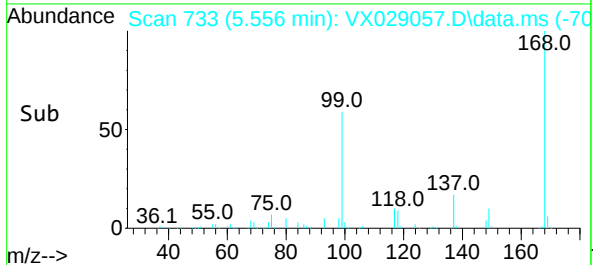
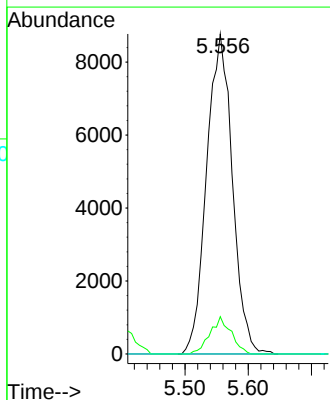
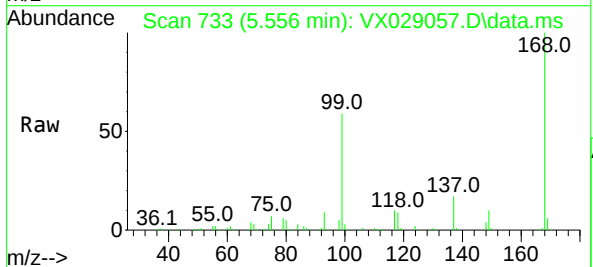
Instrument :
MSVOA_X
ClientSampleId :
29BR-20220525

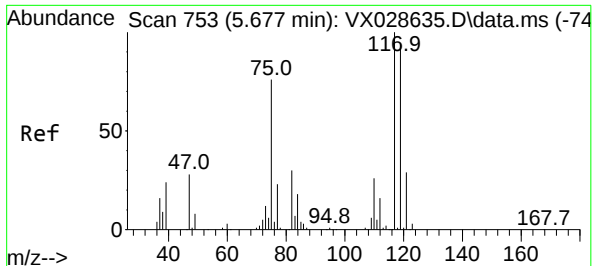
Tgt Ion:113 Resp: 194441
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.240 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 75 Resp: 24783
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#

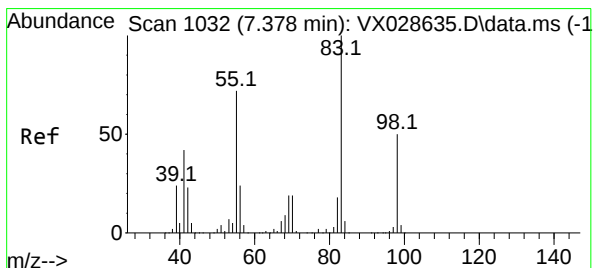
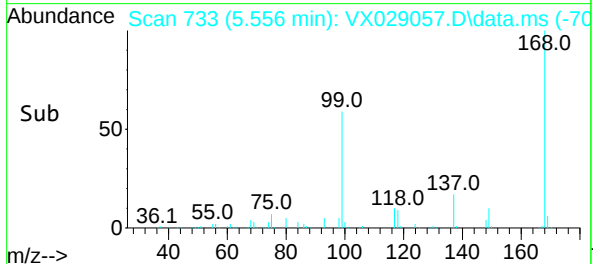
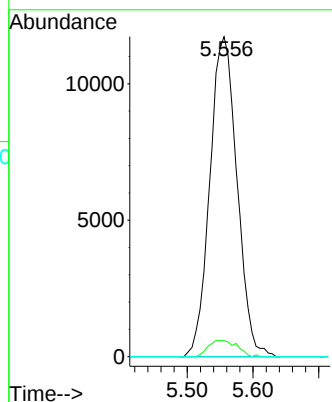
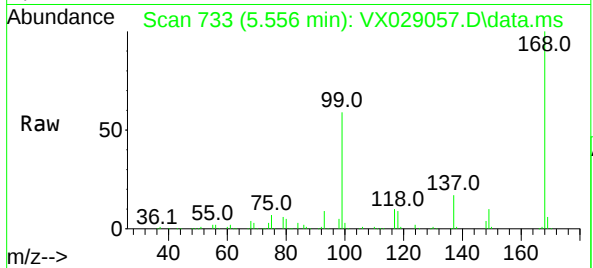




#38
Carbon Tetrachloride
Concen: 5.737 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

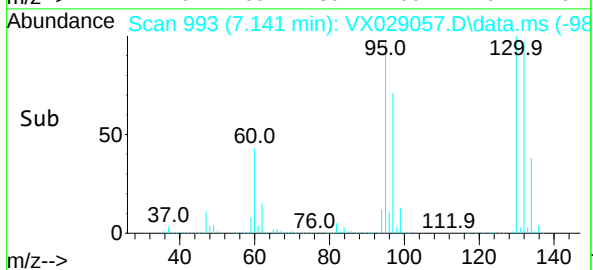
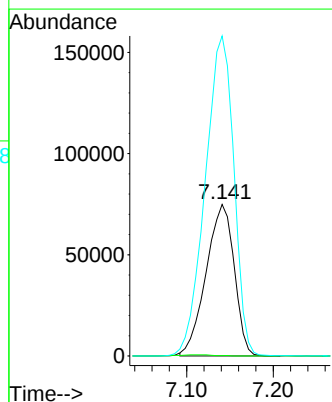
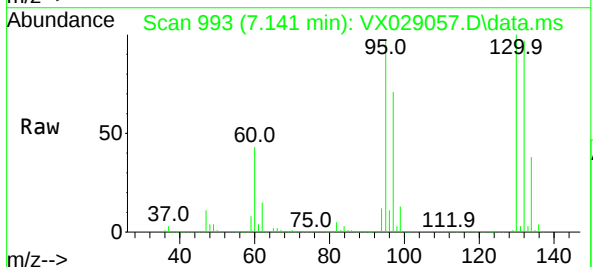
Instrument :
MSVOA_X
ClientSampleId :
29BR-20220525

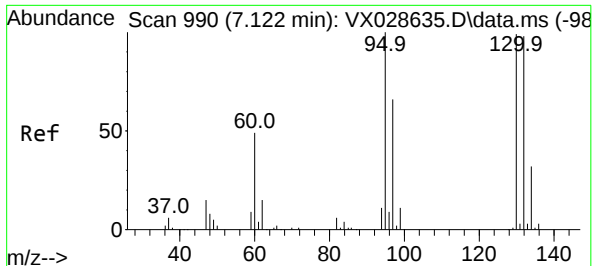
Tgt Ion:117 Resp: 33745
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 25.219 ug/l
RT: 7.141 min Scan# 993
Delta R.T. -0.237 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 83 Resp: 169027
Ion Ratio Lower Upper
83 100
55 0.1 54.6 81.8#
98 210.9 37.4 56.2#

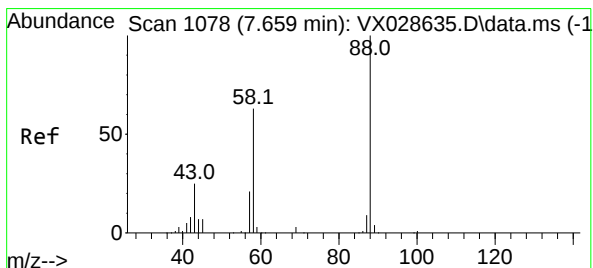
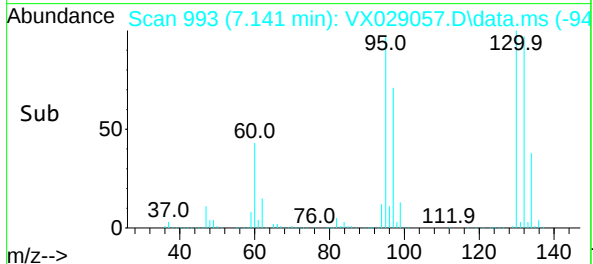
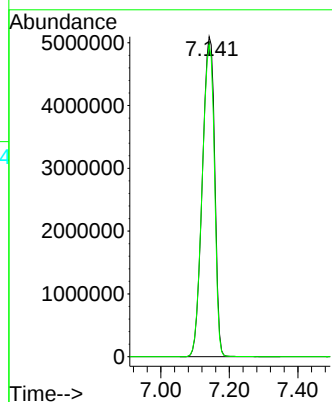
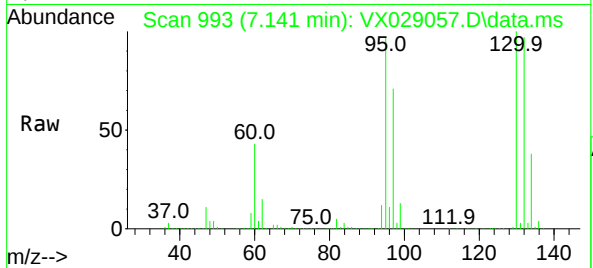




#44
Trichloroethene
Concen: 2804.120 ug/l
RT: 7.141 min Scan# 990
Delta R.T. 0.019 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

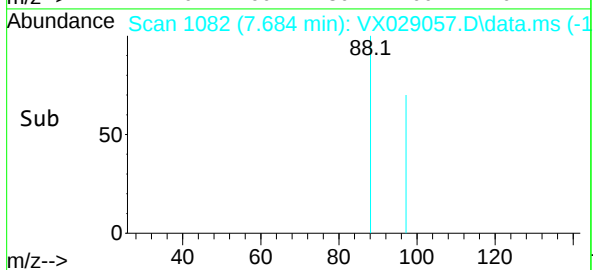
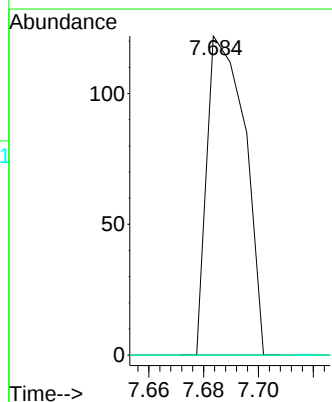
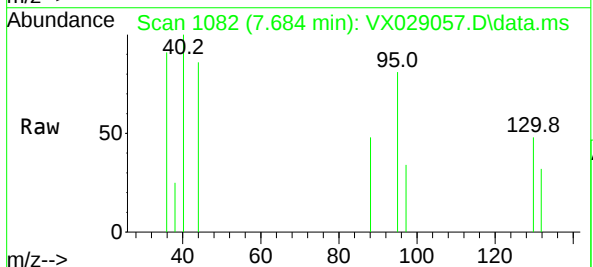
Instrument :
MSVOA_X
ClientSampleId :
29BR-20220525

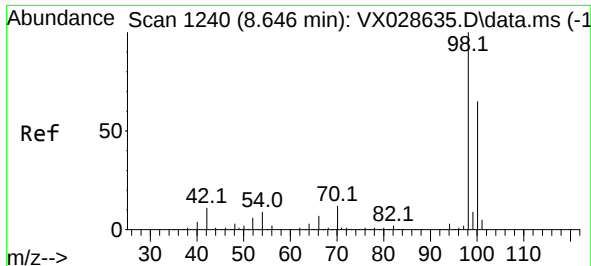
Tgt Ion:130 Resp:12773961
Ion Ratio Lower Upper
130 100
95 97.4 0.0 188.8



#49
1,4-Dioxane
Concen: 1.015 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 0.0 53.7 80.5#

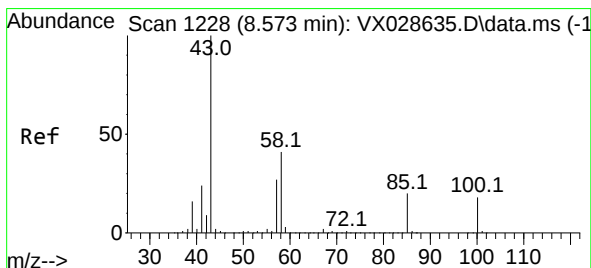
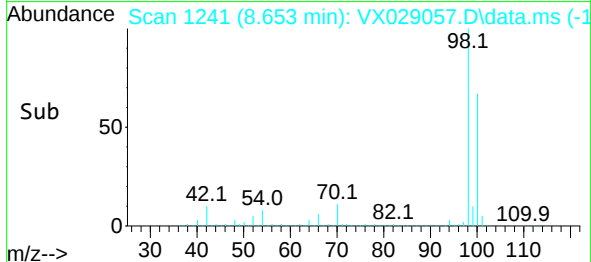
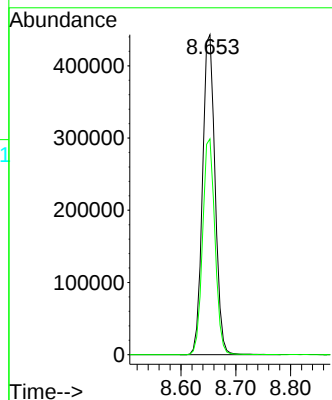
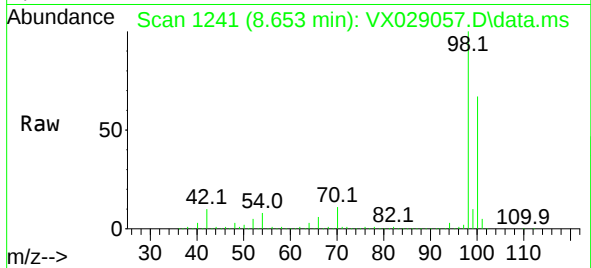




#50
Toluene-d8
Concen: 47.787 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

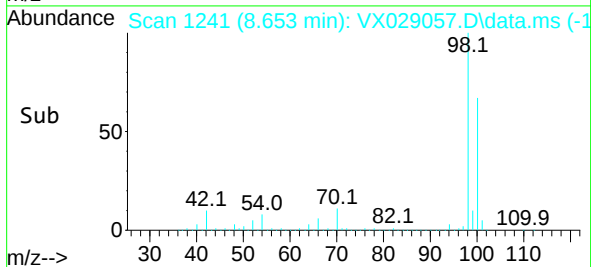
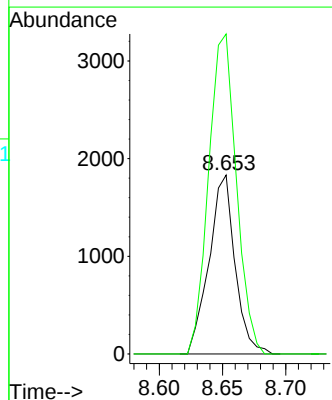
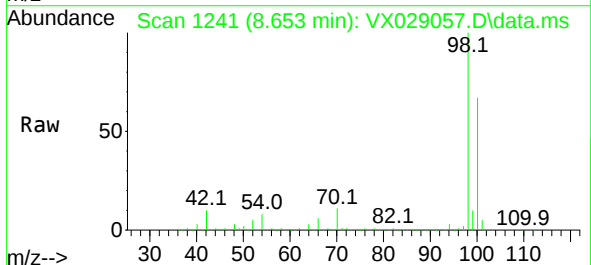
Instrument :
MSVOA_X
ClientSampleId :
29BR-20220525

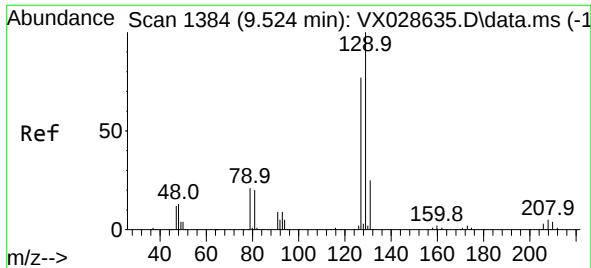
Tgt Ion: 98 Resp: 701060
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.416 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 43 Resp: 2619
Ion Ratio Lower Upper
43 100
58 190.6 36.1 54.1#

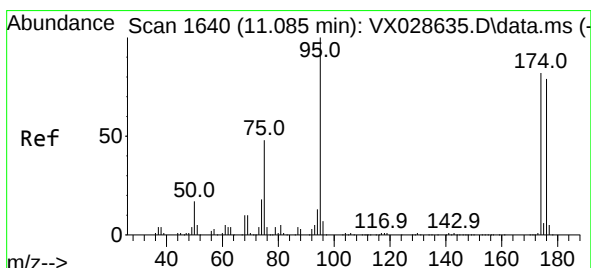
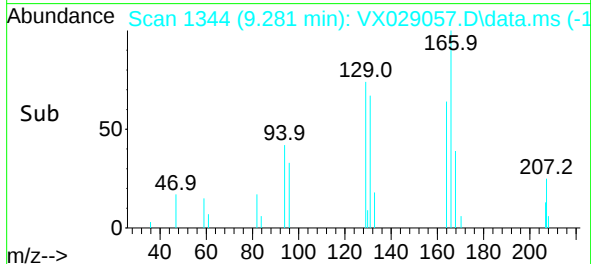
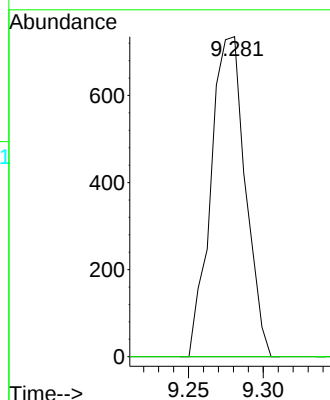
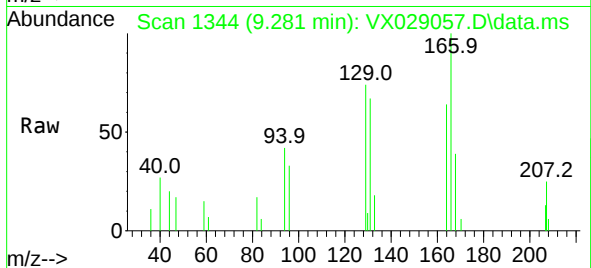




#60
Dibromochloromethane
Concen: 0.274 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.243 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

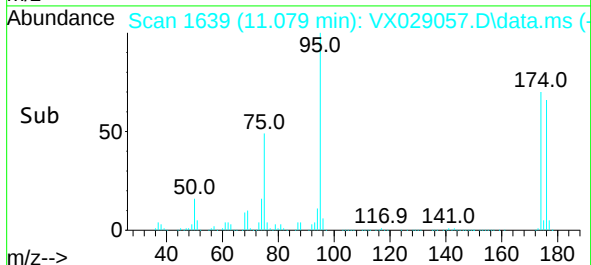
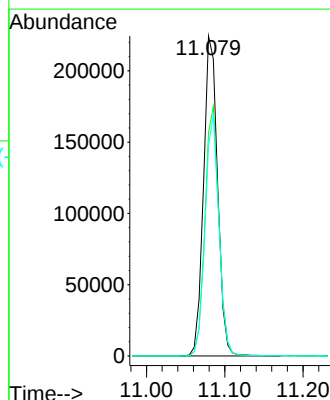
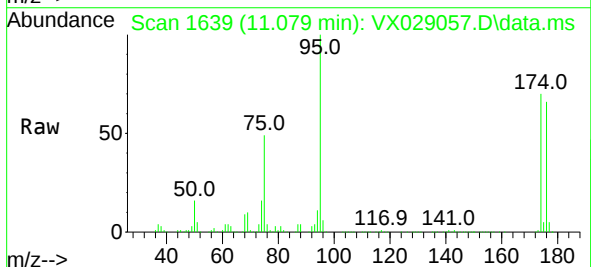
Instrument :
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ClientSampleId :
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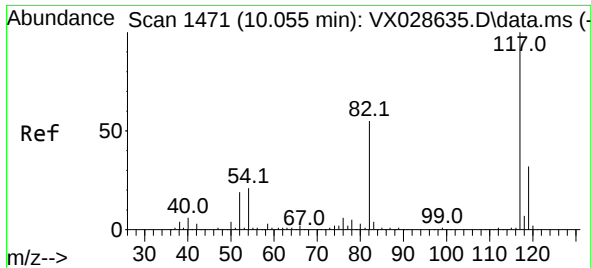
Tgt Ion:129 Resp: 1179
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 50.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 95 Resp: 279230
Ion Ratio Lower Upper
95 100
174 77.2 0.0 163.0
176 74.4 0.0 155.0

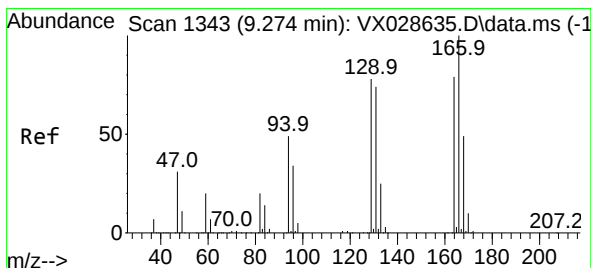
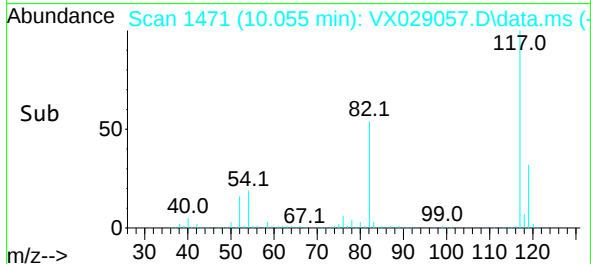
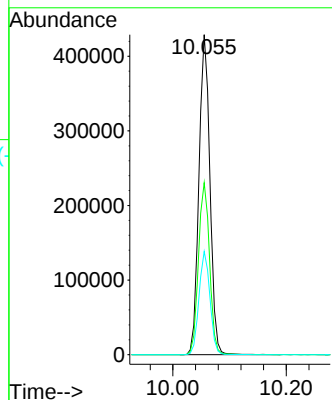
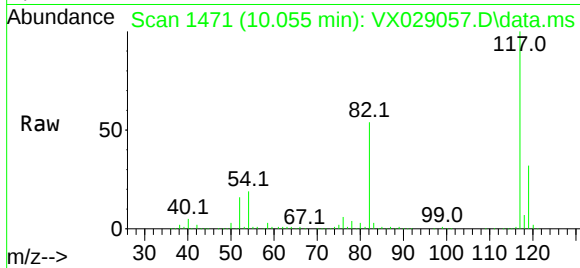




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

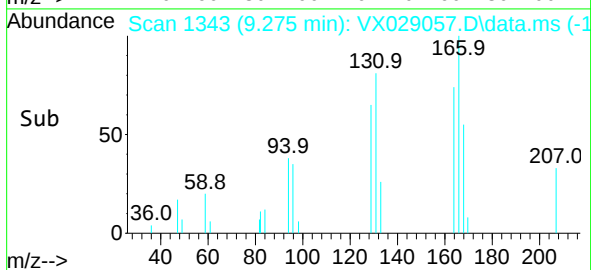
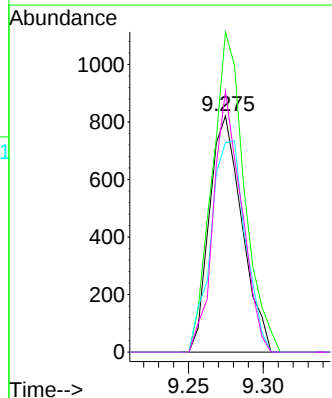
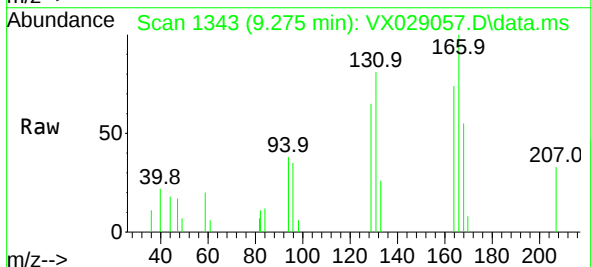
Instrument :
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ClientSampleId :
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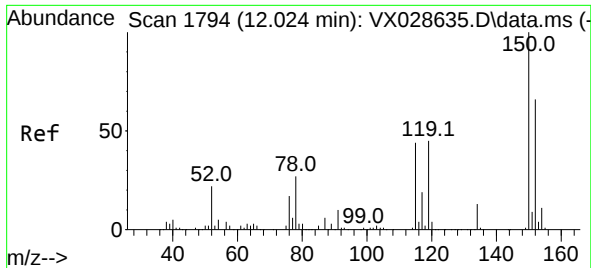
Tgt Ion:117 Resp: 576294
Ion Ratio Lower Upper
117 100
82 53.8 41.8 62.8
119 32.2 24.8 37.2



#64
Tetrachloroethene
Concen: 0.286 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion:164 Resp: 1243
Ion Ratio Lower Upper
164 100
166 135.6 101.2 151.8
129 88.7 73.0 109.4
131 110.5 74.2 111.2

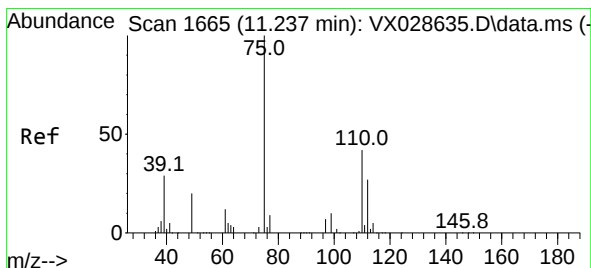
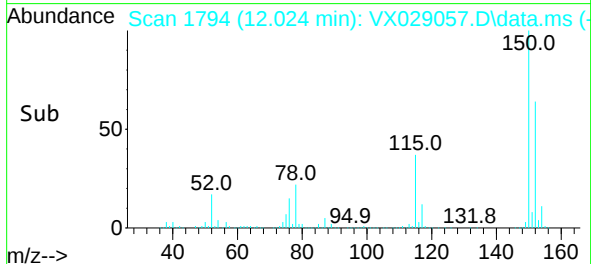
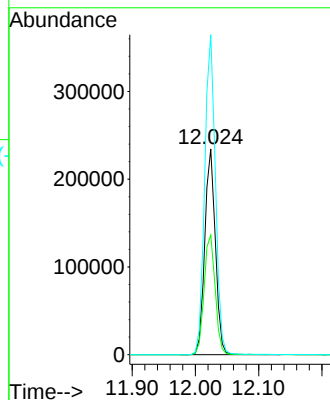
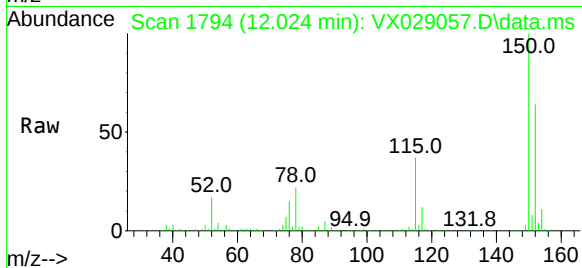




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

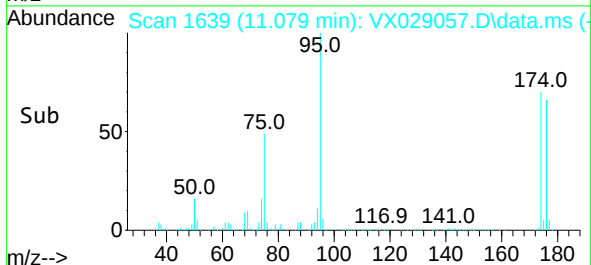
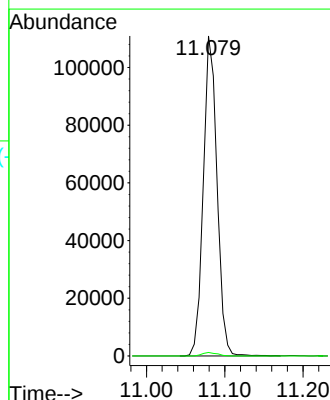
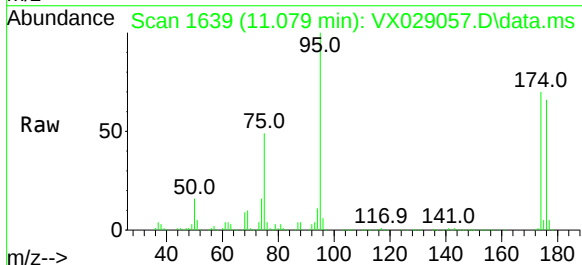
Instrument :
MSVOA_X
ClientSampleId :
29BR-20220525

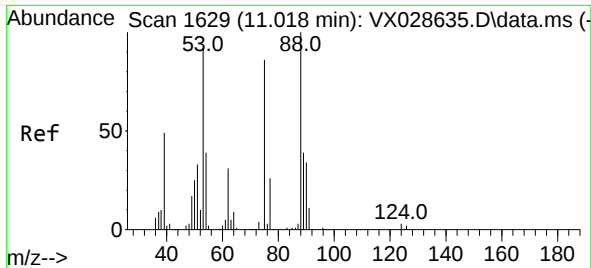
Tgt Ion:152 Resp: 274055
Ion Ratio Lower Upper
152 100
115 60.8 37.5 112.7
150 157.3 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 21.024 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029057.D
Acq: 28 May 2022 05:12

Tgt Ion: 75 Resp: 134933
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.735 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029057.D
 Acq: 28 May 2022 05:12

Instrument :
 MSVOA_X
 ClientSampleId :
 29BR-20220525

Tgt Ion: 75 Resp: 134933
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

