

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029167.D
 Acq On : 03 Jun 2022 04:45
 Operator : JC/MD
 Sample : N3164-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30BR-20220531

Quant Time: Jun 03 06:29:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

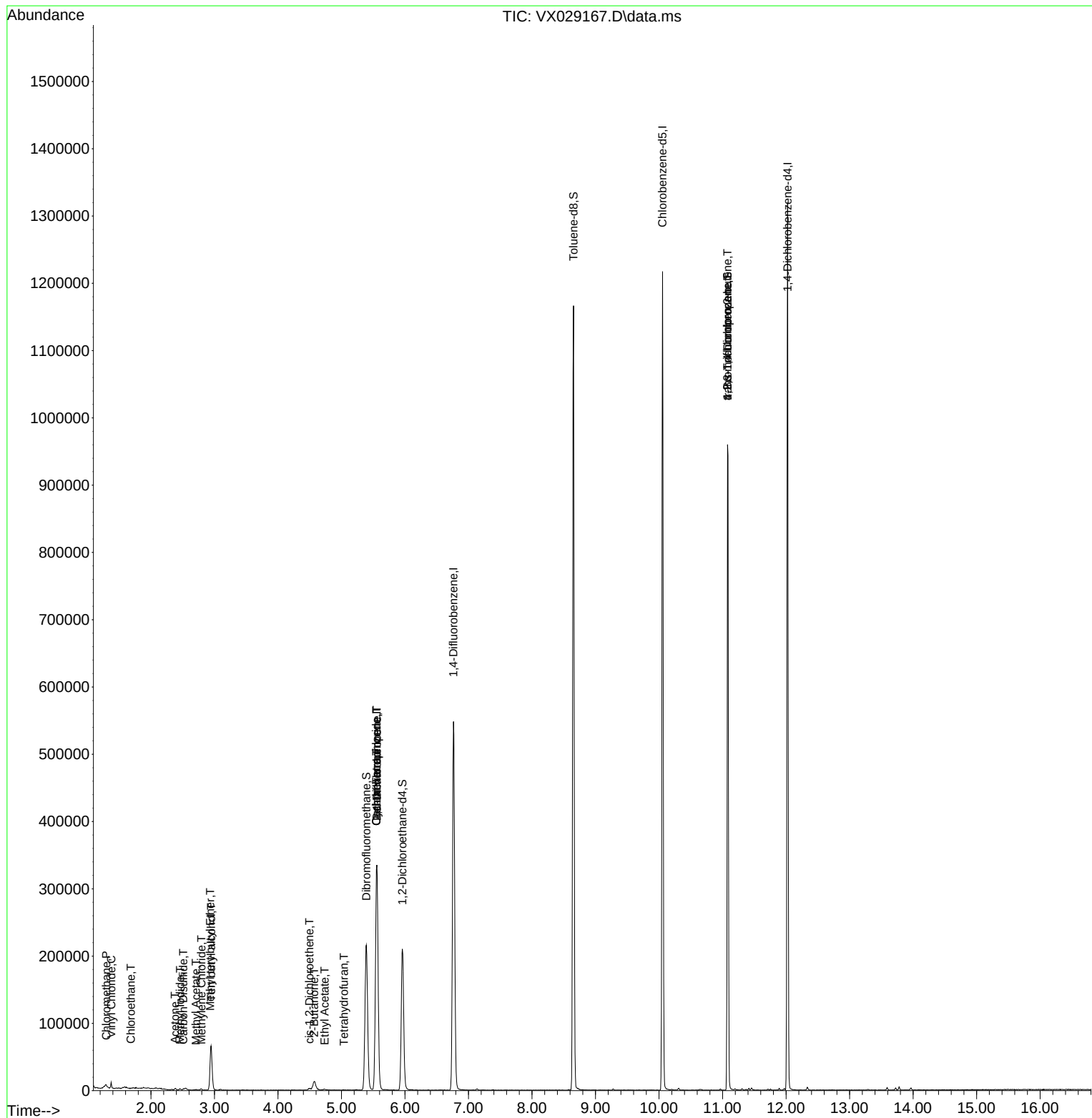
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	323148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	592334	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	203207	55.766	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.540%
35) Dibromofluoromethane	5.391	113	194196	49.358	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.720%
50) Toluene-d8	8.653	98	697823	48.494	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.980%
62) 4-Bromofluorobenzene	11.079	95	280263	50.385	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.780%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	849	0.289	ug/l	100
4) Vinyl Chloride	1.374	62	4383	1.356	ug/l	91
5) Bromomethane	1.617	94	1091	Below Cal		100
6) Chloroethane	1.685	64	389	1.538	ug/l	96
10) Methyl Iodide	2.459	142	1954	4.717	ug/l #	92
11) Tert butyl alcohol	2.946	59	37569	44.506	ug/l #	76
16) Acetone	2.380	43	2275	1.585	ug/l #	77
17) Carbon Disulfide	2.508	76	2002	0.251	ug/l #	82
18) Methyl Acetate	2.709	43	831	0.224	ug/l #	73
19) Methyl tert-butyl Ether	2.934	73	2238	0.226	ug/l	95
20) Methylene Chloride	2.794	84	880	0.263	ug/l #	71
25) 2-Butanone	4.568	43	1004	0.434	ug/l #	72
27) cis-1,2-Dichloroethene	4.495	96	2112	0.539	ug/l	74
29) Tetrahydrofuran	5.038	42	452	0.305	ug/l #	25
31) Cyclohexane	5.550	56	5946	1.255	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24020	4.745	ug/l #	50
37) Ethyl Acetate	4.733	43	1924	0.392	ug/l #	94
38) Carbon Tetrachloride	5.550	117	33762	5.836	ug/l #	15
44) Trichloroethene	7.129	130	569	Below Cal		100
76) 1,2,3-Trichloropropane	11.079	75	133096	24.445	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	133096	71.716	ug/l #	15
94) Hexachlorobutadiene	13.731	225	684	Below Cal		71

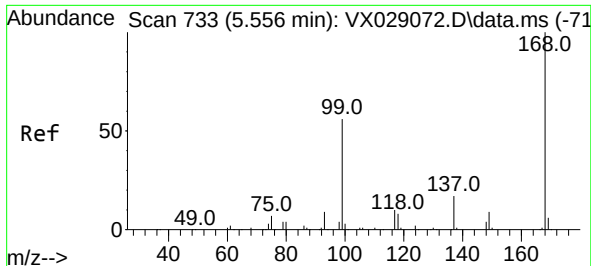
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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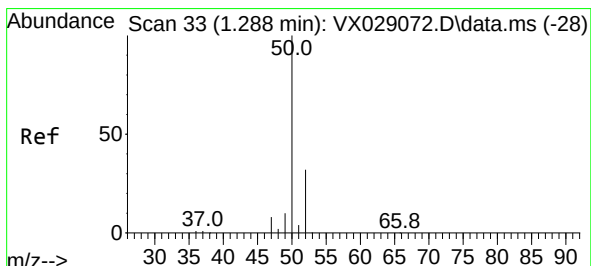
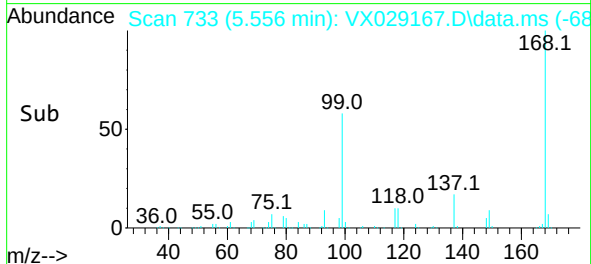
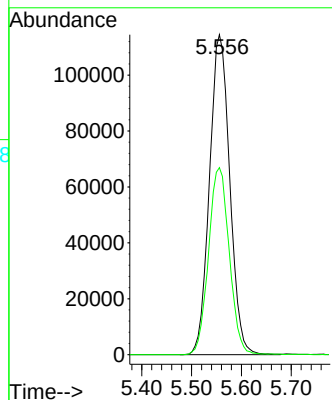
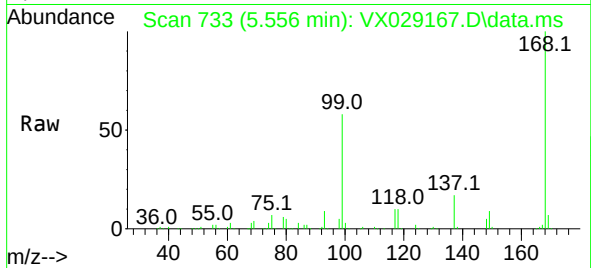




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

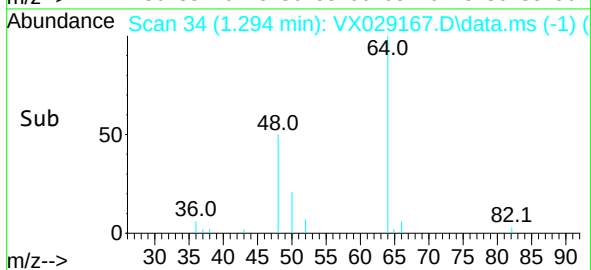
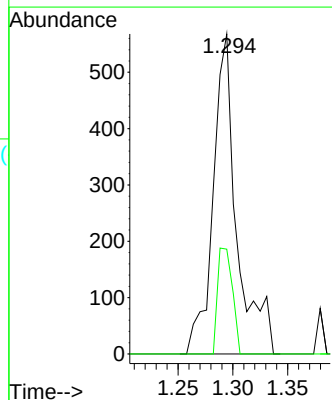
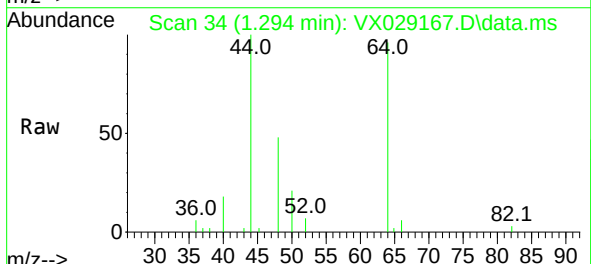
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

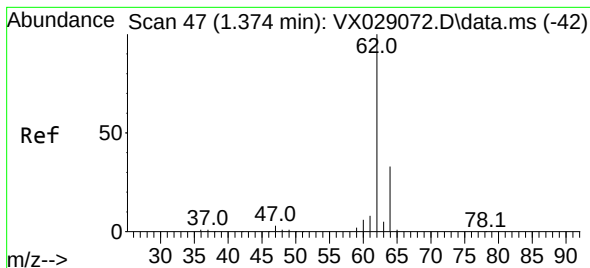
Tgt Ion:168 Resp: 323148
Ion Ratio Lower Upper
168 100
99 58.4 41.7 62.5



#3
Chloromethane
Concen: 0.289 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 50 Resp: 849
Ion Ratio Lower Upper
50 100
52 32.7 26.4 39.6

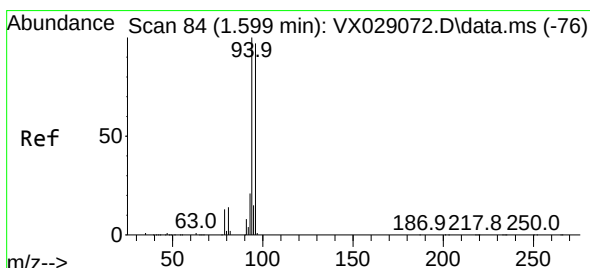
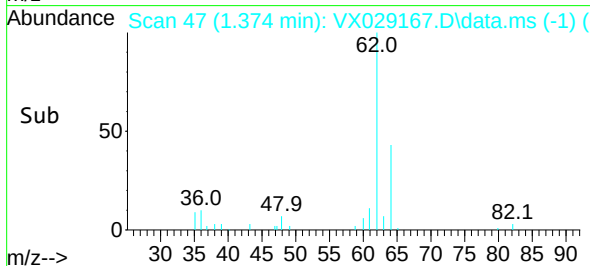
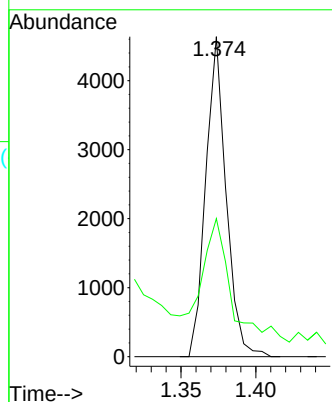
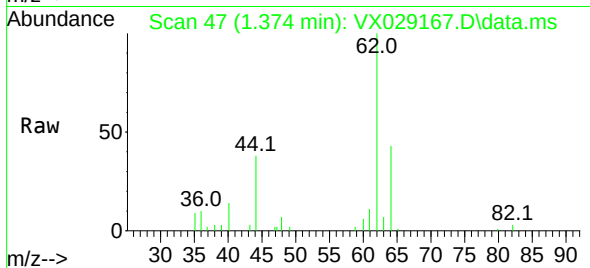




#4
 Vinyl Chloride
 Concen: 1.356 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029167.D
 Acq: 03 Jun 2022 04:45

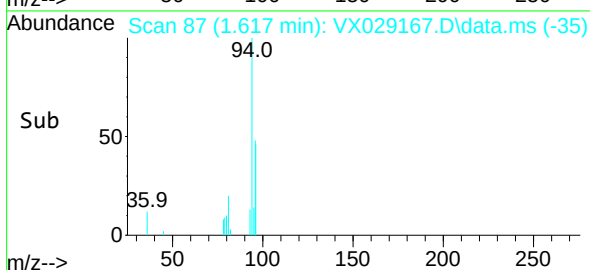
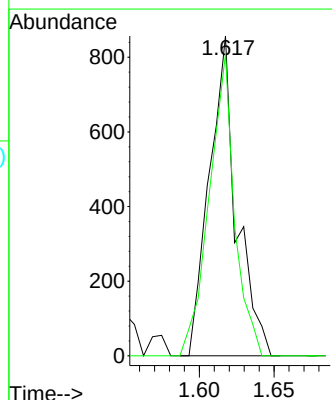
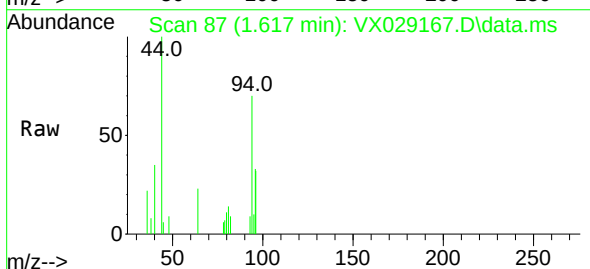
Instrument :
 MSVOA_X
 ClientSampleId :
 30BR-20220531

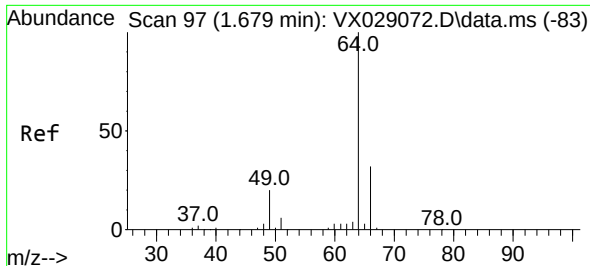
Tgt Ion: 62 Resp: 4383
 Ion Ratio Lower Upper
 62 100
 64 36.8 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX029167.D
 Acq: 03 Jun 2022 04:45

Tgt Ion: 94 Resp: 1091
 Ion Ratio Lower Upper
 94 100
 96 94.3 75.3 112.9

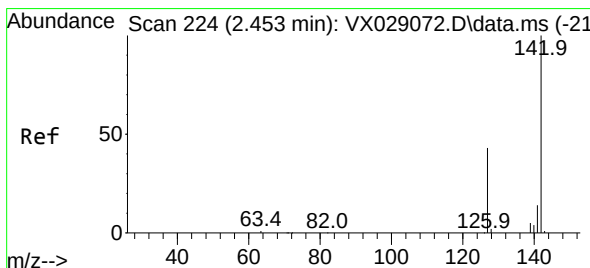
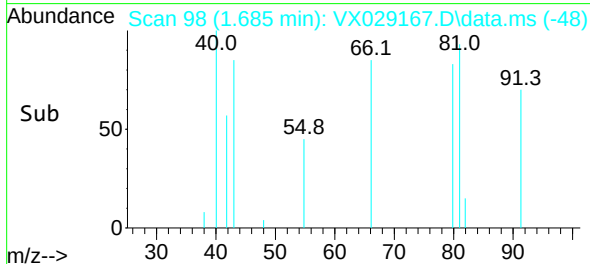
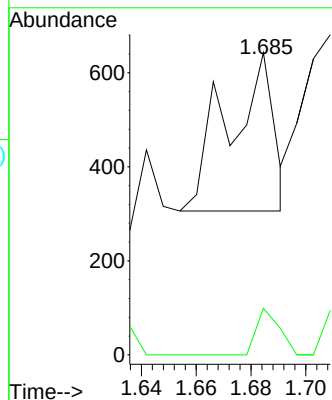
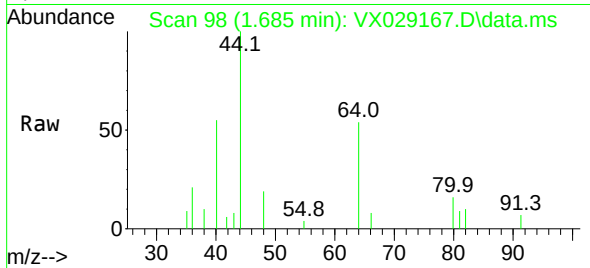




#6
Chloroethane
Concen: 1.538 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

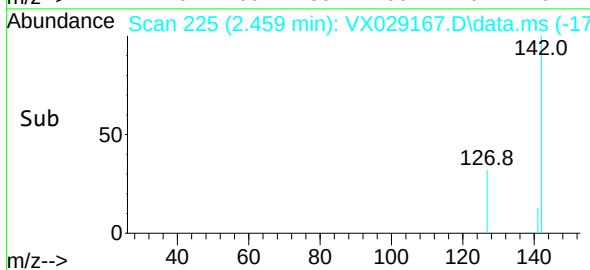
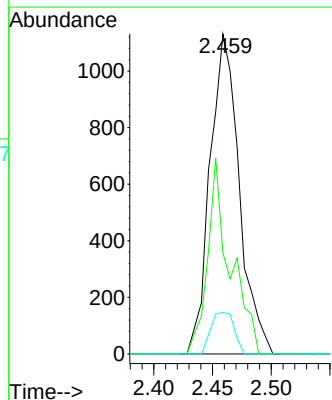
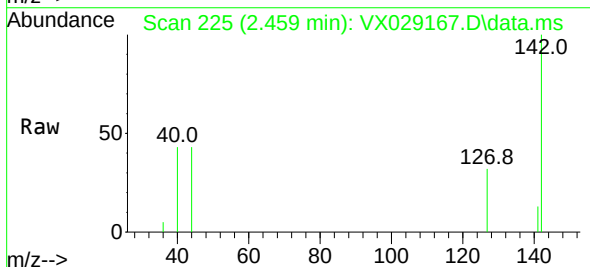
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

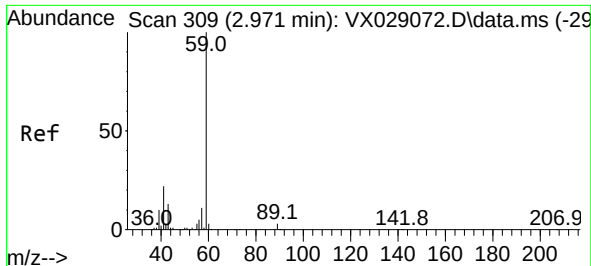
Tgt Ion: 64 Resp: 389
Ion Ratio Lower Upper
64 100
66 29.4 25.3 37.9



#10
Methyl Iodide
Concen: 4.717 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 142 Resp: 1954
Ion Ratio Lower Upper
142 100
127 47.3 33.9 50.9
141 10.3 11.4 17.2#

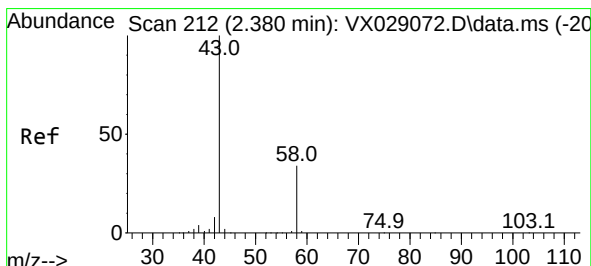
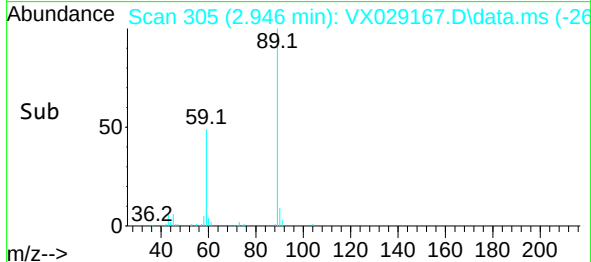
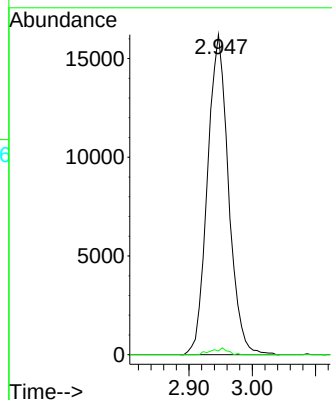
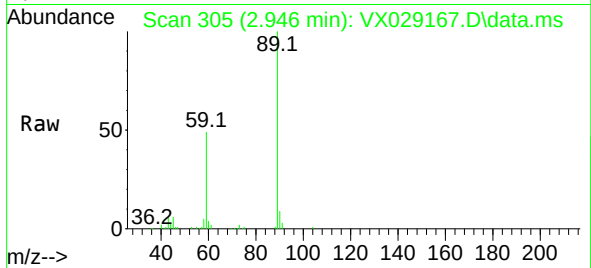




#11
Tert butyl alcohol
Concen: 44.506 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

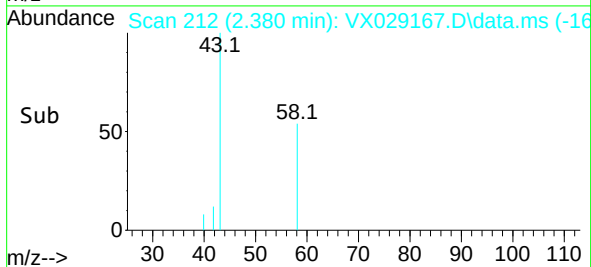
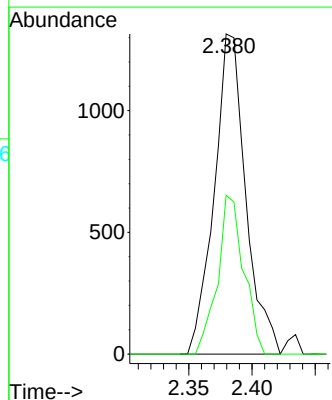
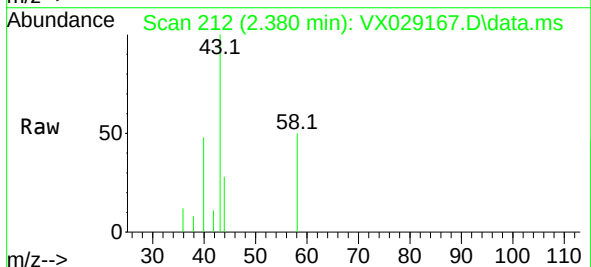
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

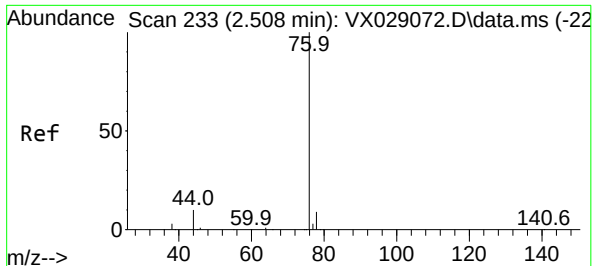
Tgt Ion: 59 Resp: 37569
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#



#16
Acetone
Concen: 1.585 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
58 49.7 28.8 43.2#

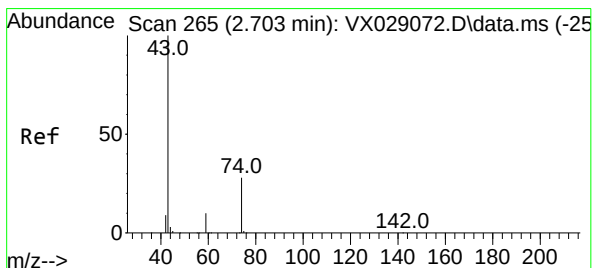
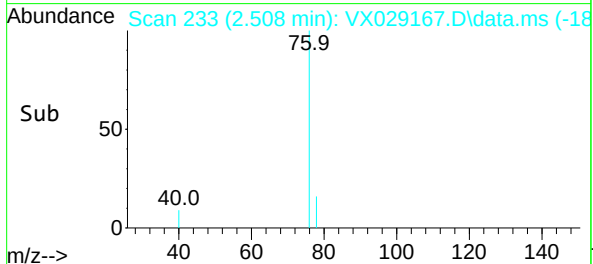
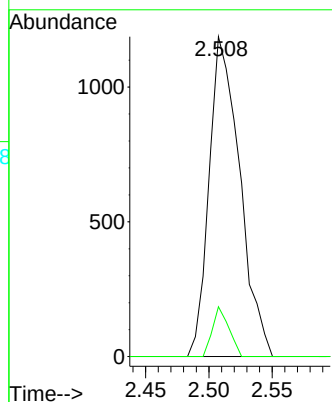
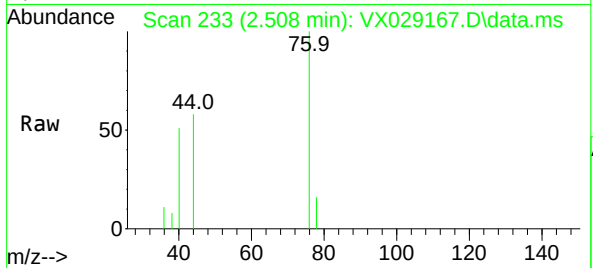




#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

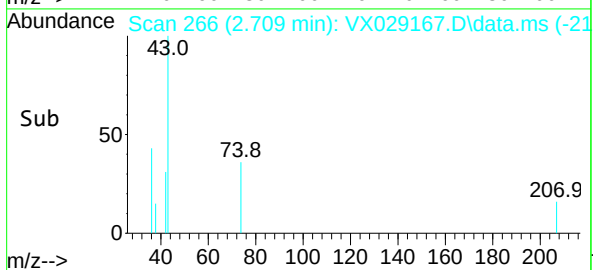
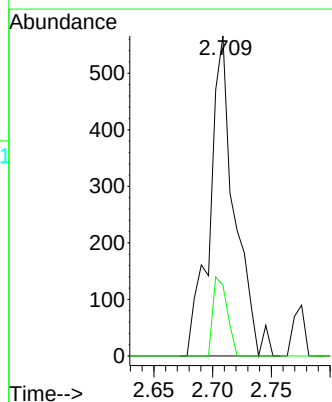
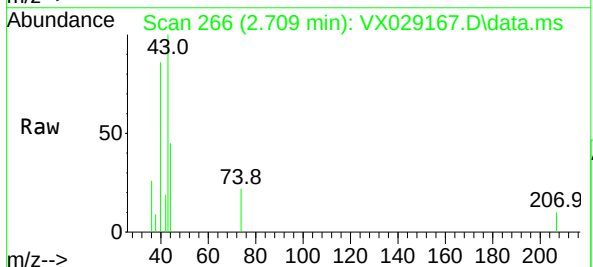
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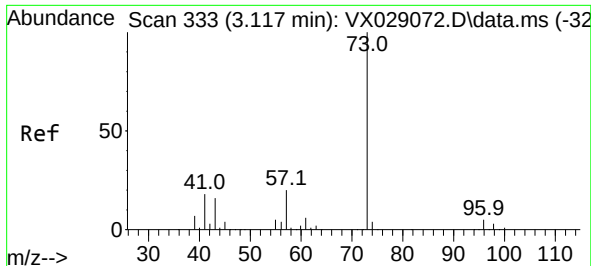
Tgt Ion: 76 Resp: 2002
Ion Ratio Lower Upper
76 100
78 15.6 7.2 10.8#



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
74 14.1 22.8 34.2#





#19

Methyl tert-butyl Ether

Concen: 0.226 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.183 min

Lab File: VX029167.D

Acq: 03 Jun 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

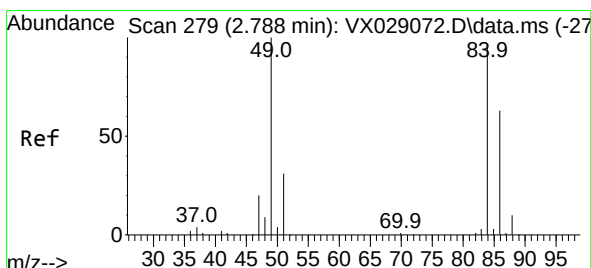
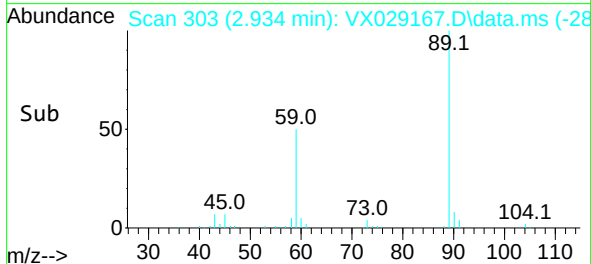
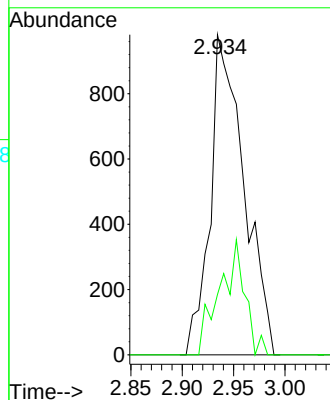
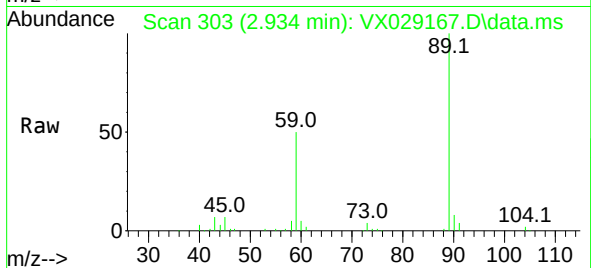
30BR-20220531

Tgt Ion: 73 Resp: 2238

Ion Ratio Lower Upper

73 100

57 18.9 16.8 25.2



#20

Methylene Chloride

Concen: 0.263 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX029167.D

Acq: 03 Jun 2022 04:45

Tgt Ion: 84 Resp: 880

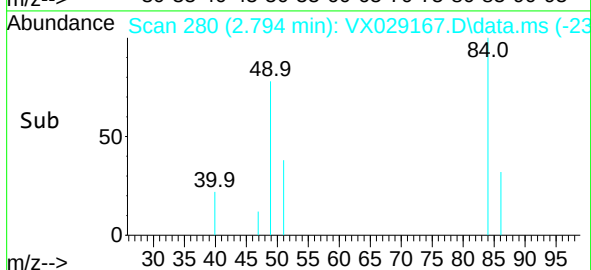
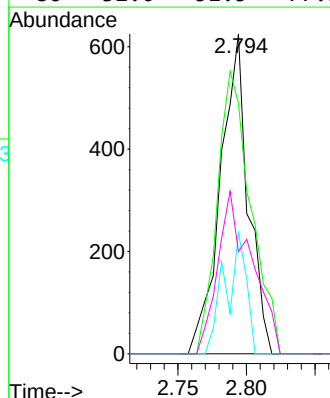
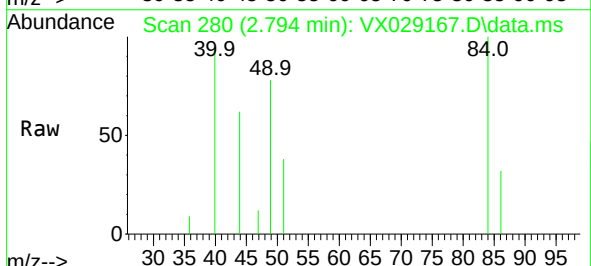
Ion Ratio Lower Upper

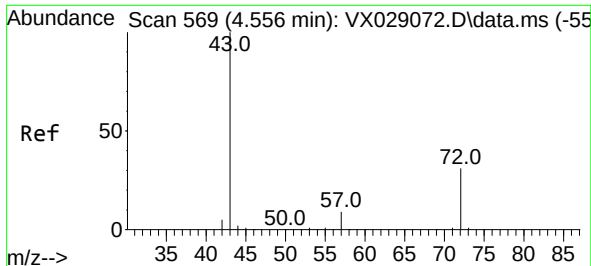
84 100

49 78.4 85.5 128.3#

51 37.9 26.6 39.8

86 32.0 51.5 77.3#

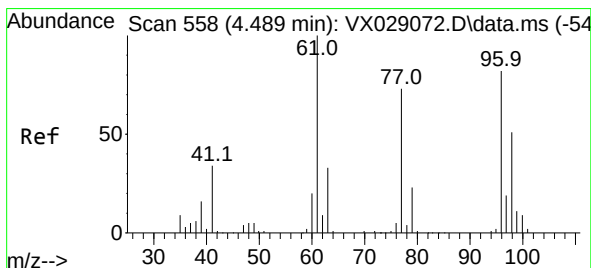
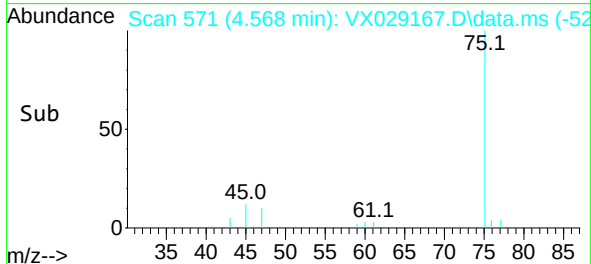
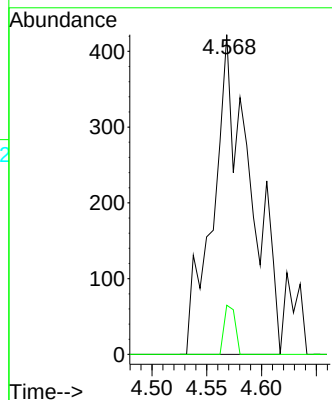
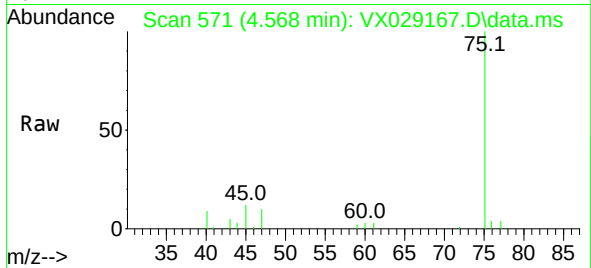




#25
2-Butanone
Concen: 0.434 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

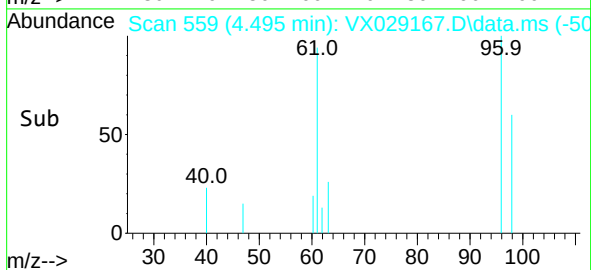
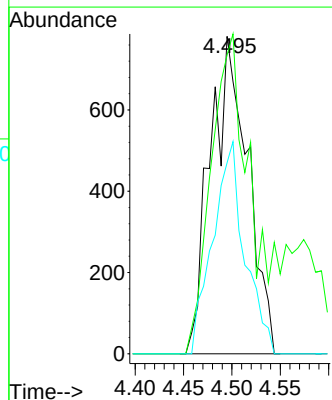
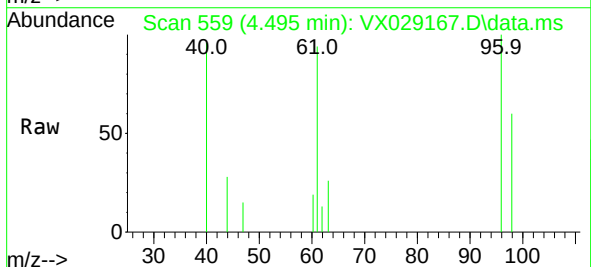
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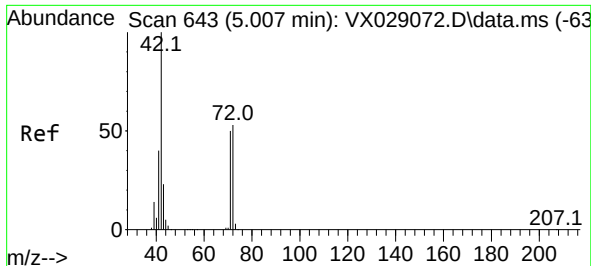
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
72 15.4 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 0.539 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 96 Resp: 2112
Ion Ratio Lower Upper
96 100
61 100.7 0.0 283.8
98 56.6 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.305 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX029167.D

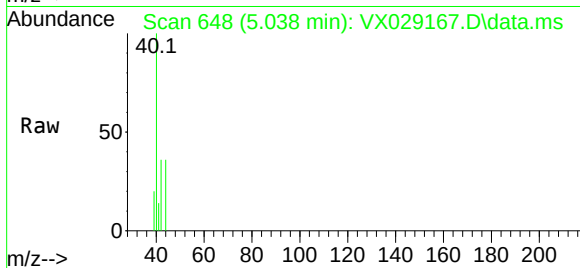
Acq: 03 Jun 2022 04:45

Instrument :

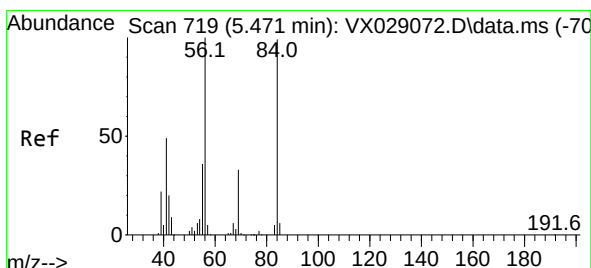
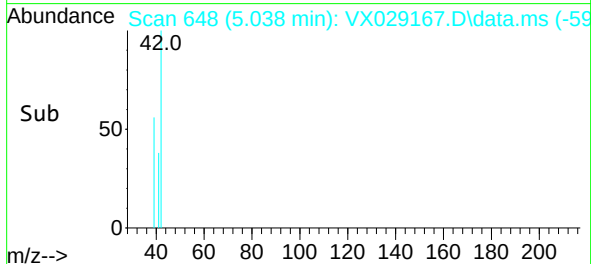
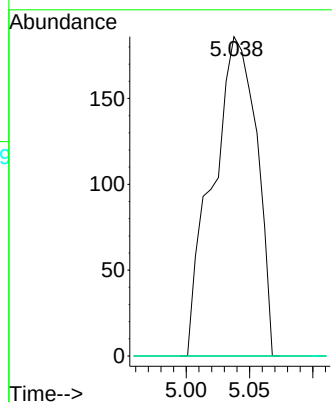
MSVOA_X

ClientSampleId :

30BR-20220531



Tgt Ion:	42	Resp:	452
Ion Ratio	Lower	Upper	
42	100		
72	0.0	44.1	66.1#
71	0.0	40.5	60.7#



#31

Cyclohexane

Concen: 1.255 ug/l

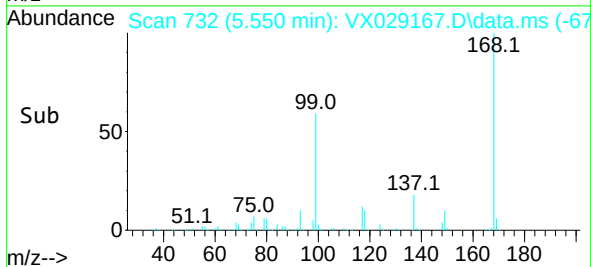
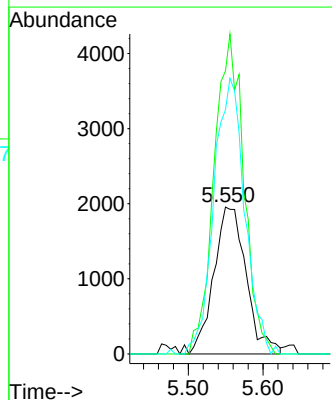
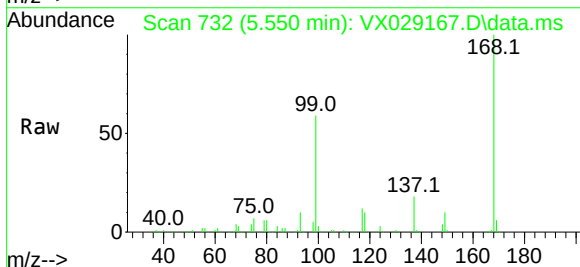
RT: 5.550 min Scan# 732

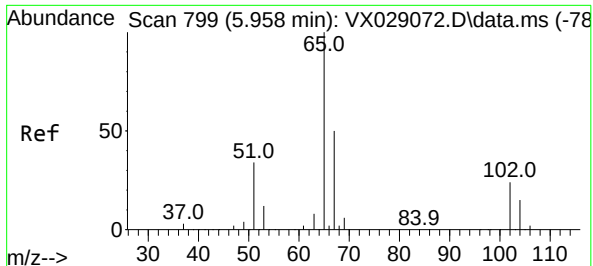
Delta R.T. 0.079 min

Lab File: VX029167.D

Acq: 03 Jun 2022 04:45

Tgt Ion:	56	Resp:	5946
Ion Ratio	Lower	Upper	
56	100		
69	192.8	26.7	40.1#
84	166.3	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 55.766 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029167.D

Acq: 03 Jun 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

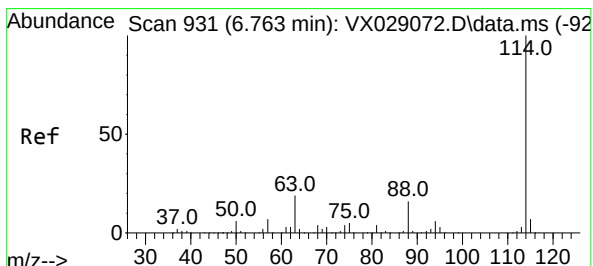
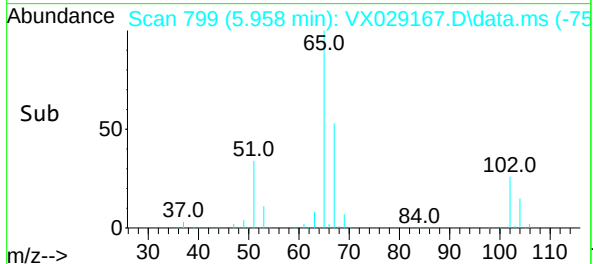
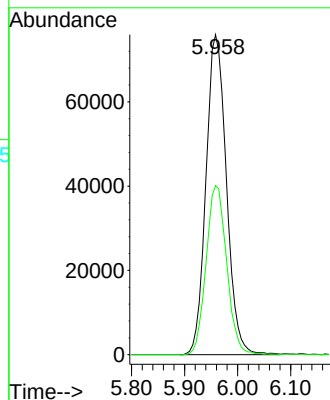
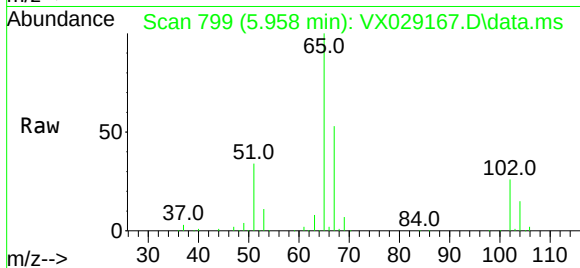
30BR-20220531

Tgt Ion: 65 Resp: 203207

Ion Ratio Lower Upper

65 100

67 53.2 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: VX029167.D

Acq: 03 Jun 2022 04:45

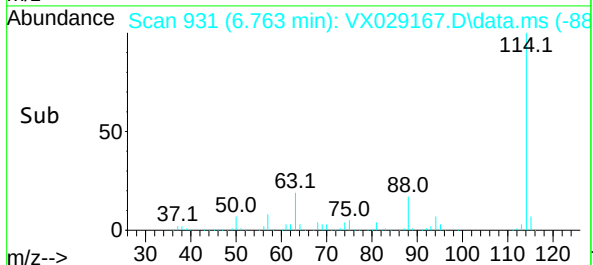
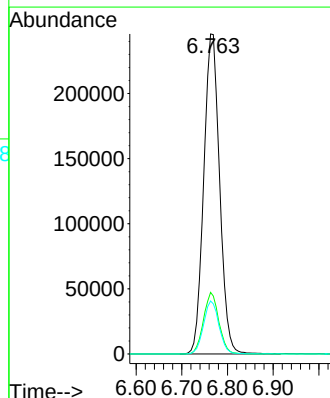
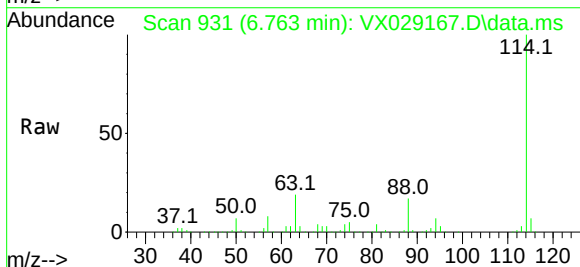
Tgt Ion: 114 Resp: 592334

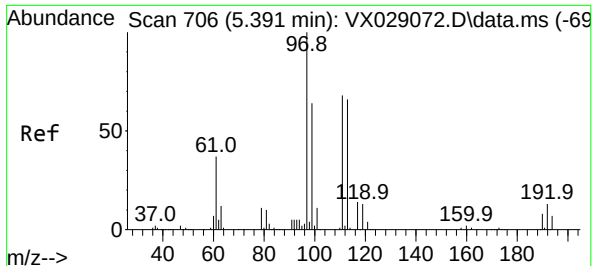
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.8

88 16.6 0.0 32.4

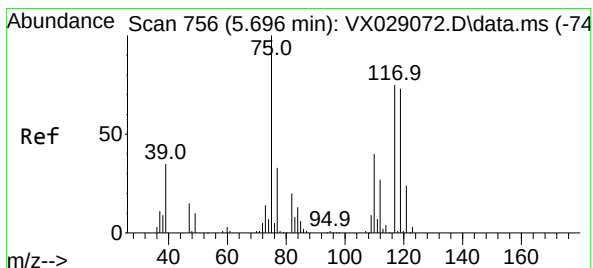
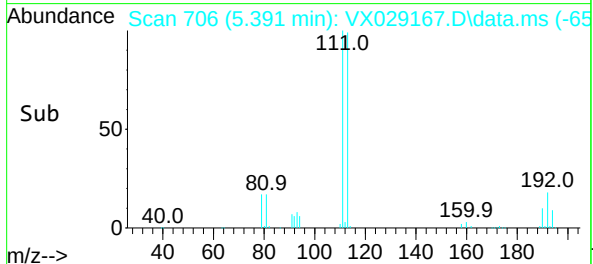
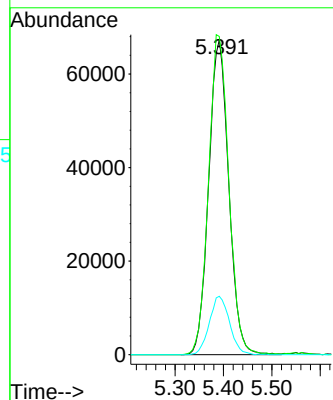
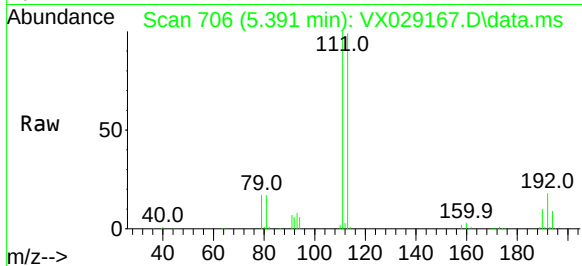




#35
Dibromofluoromethane
Concen: 49.358 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

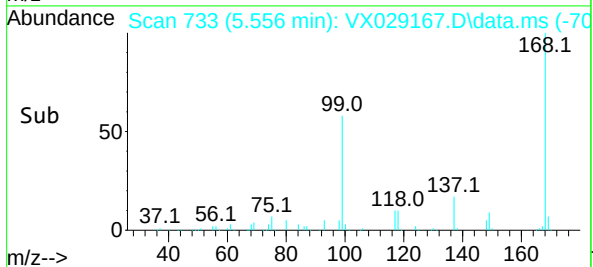
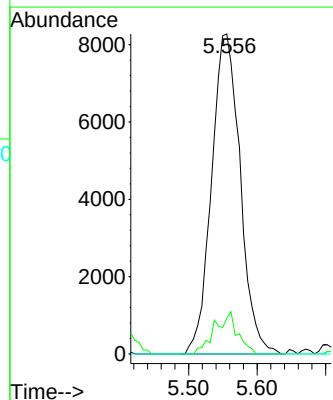
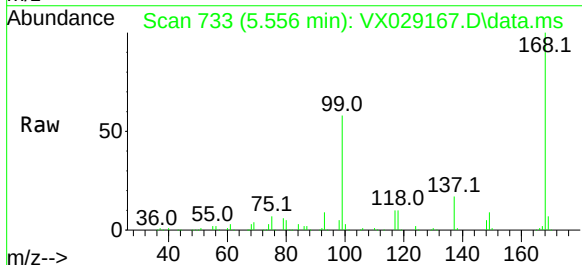
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

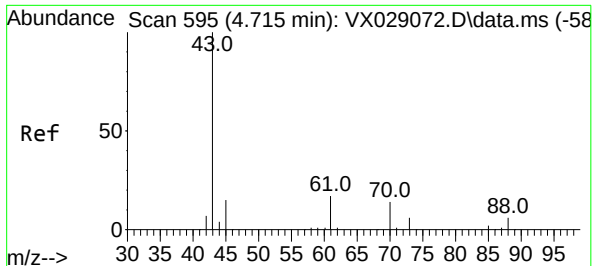
Tgt Ion:113 Resp: 194196
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.745 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 75 Resp: 24020
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.392 ug/l

RT: 4.733 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX029167.D

Acq: 03 Jun 2022 04:45

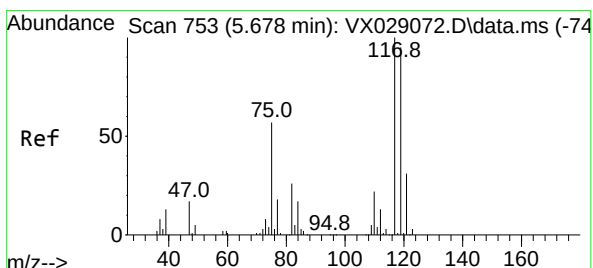
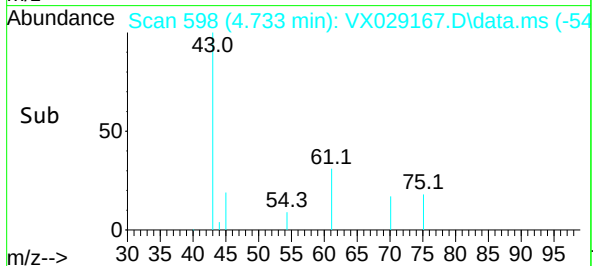
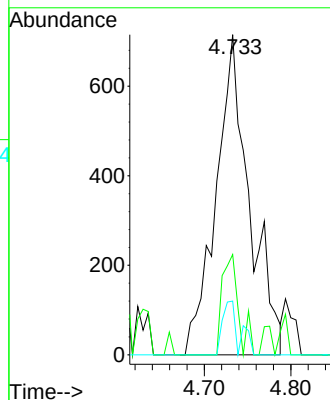
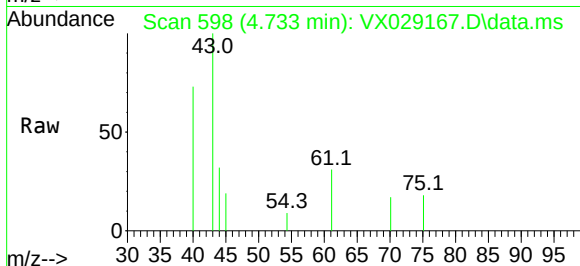
Instrument :

MSVOA_X

ClientSampleId :

30BR-20220531

Tgt Ion: 43	Resp:	1924
Ion	Ratio	Lower Upper
43	100	
61	15.3	12.6 19.0
70	8.3	10.2 15.2



#38

Carbon Tetrachloride

Concen: 5.836 ug/l

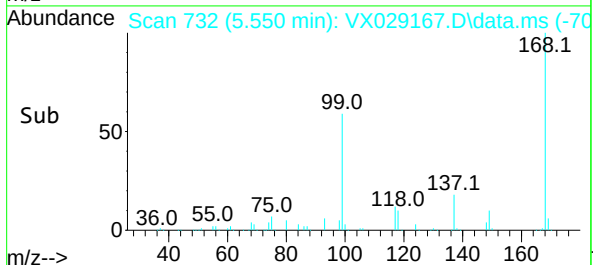
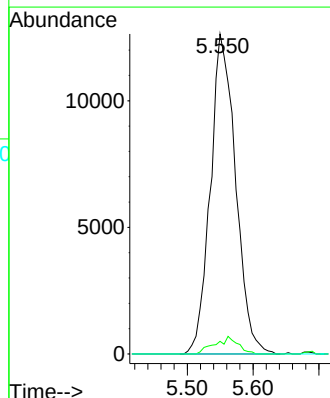
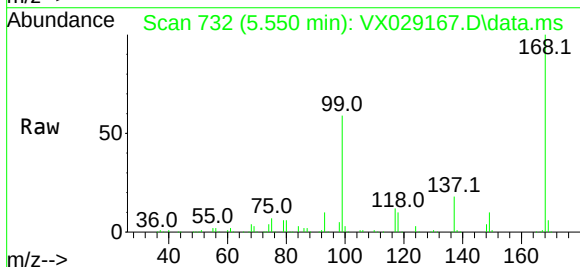
RT: 5.550 min Scan# 732

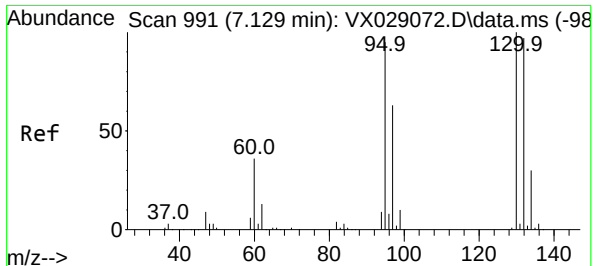
Delta R.T. -0.128 min

Lab File: VX029167.D

Acq: 03 Jun 2022 04:45

Tgt Ion: 117	Resp:	33762
Ion	Ratio	Lower Upper
117	100	
119	3.9	77.3 115.9
121	0.0	24.2 36.2

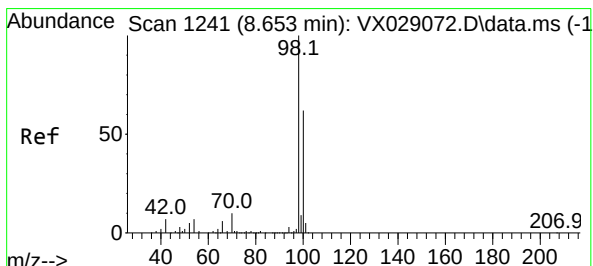
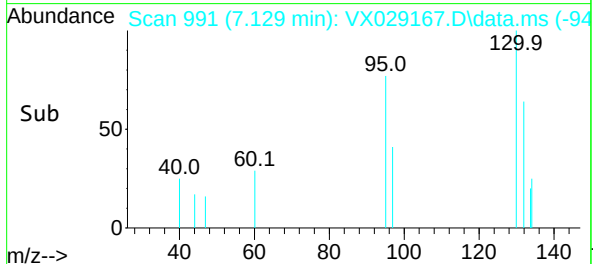
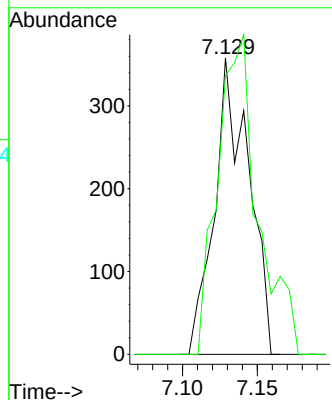
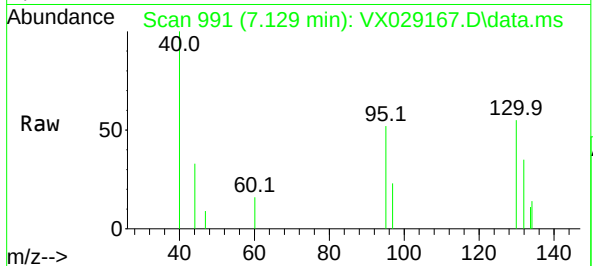




#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

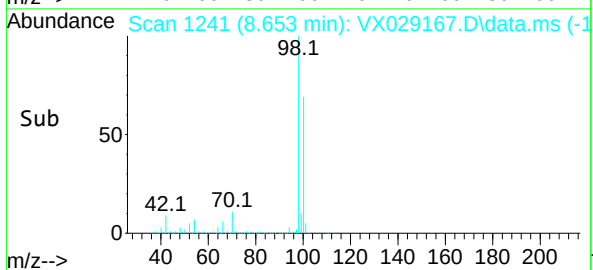
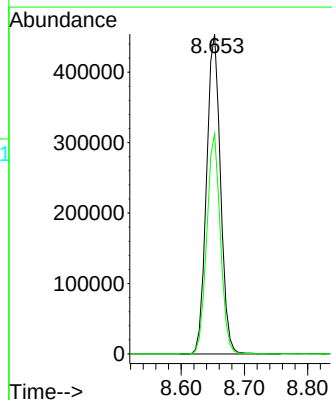
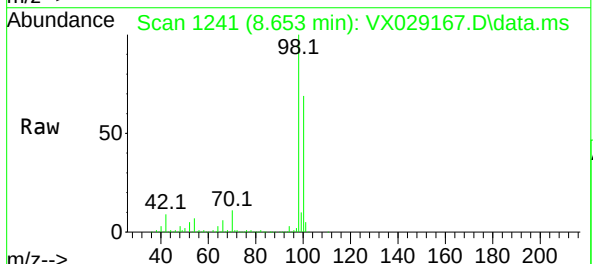
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

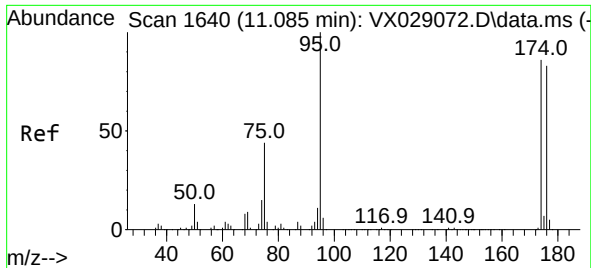
Tgt Ion:130 Resp: 569
Ion Ratio Lower Upper
130 100
95 94.1 0.0 188.8



#50
Toluene-d8
Concen: 48.494 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 98 Resp: 697823
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8

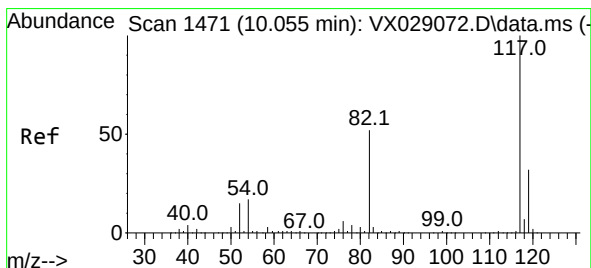
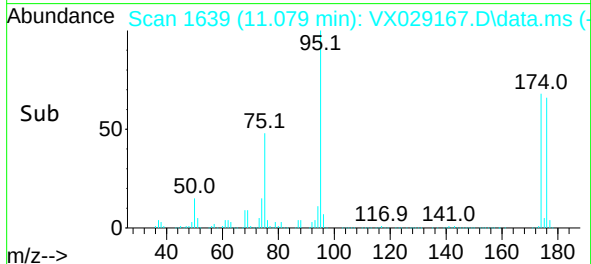
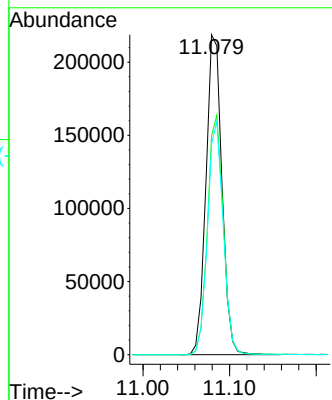
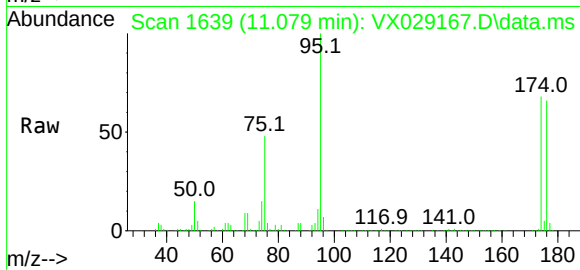




#62
4-Bromofluorobenzene
Concen: 50.385 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

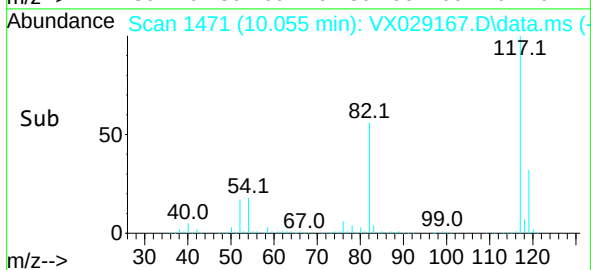
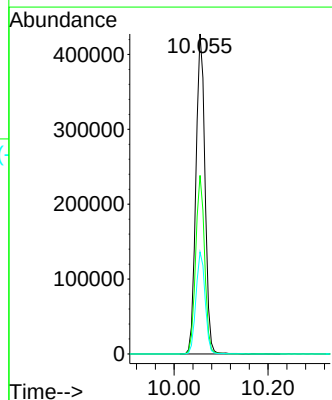
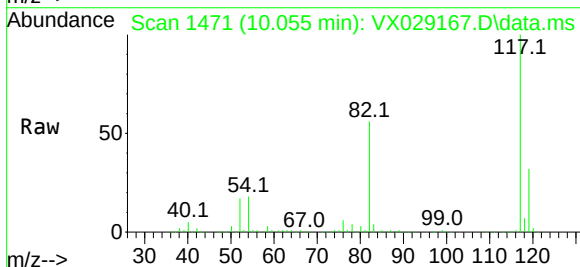
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

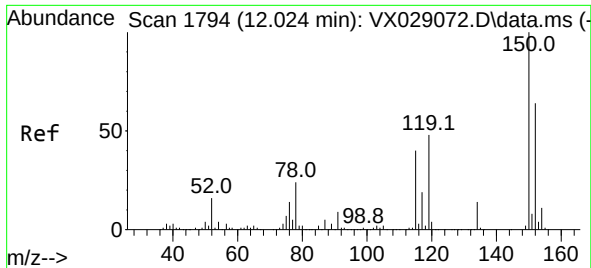
Tgt Ion: 95 Resp: 280263
Ion Ratio Lower Upper
95 100
174 74.4 0.0 163.0
176 71.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 117 Resp: 576627
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 31.8 24.8 37.2

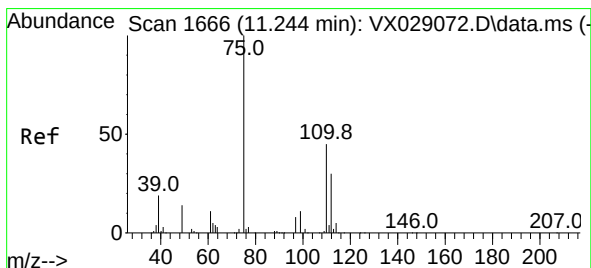
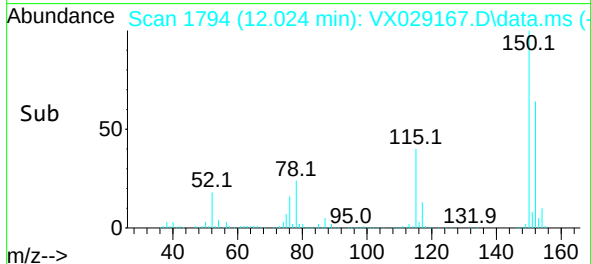
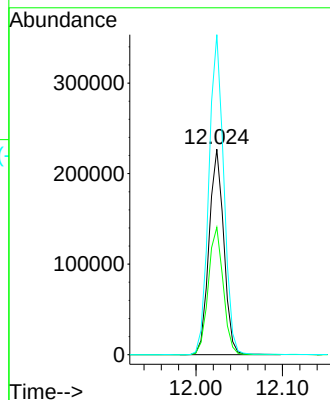
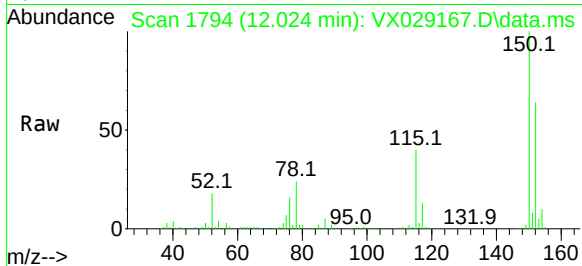




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029167.D
 Acq: 03 Jun 2022 04:45

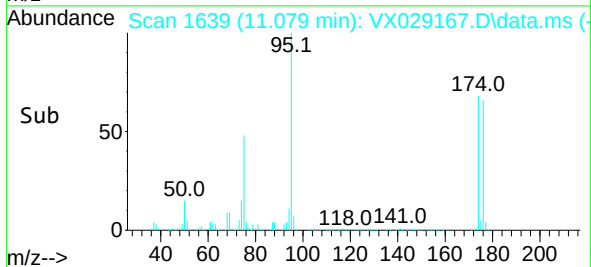
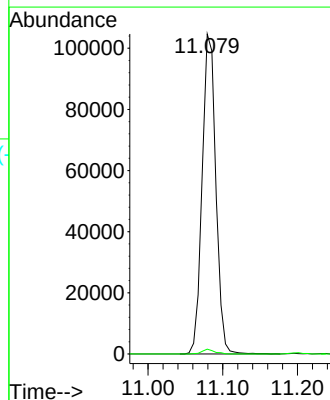
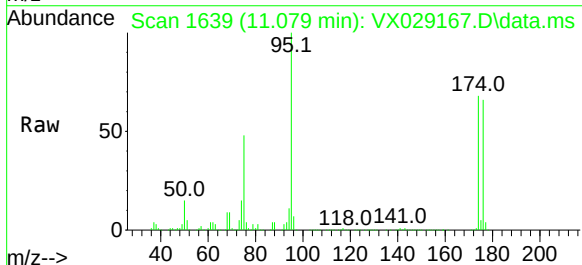
Instrument :
 MSVOA_X
 ClientSampleId :
 30BR-20220531

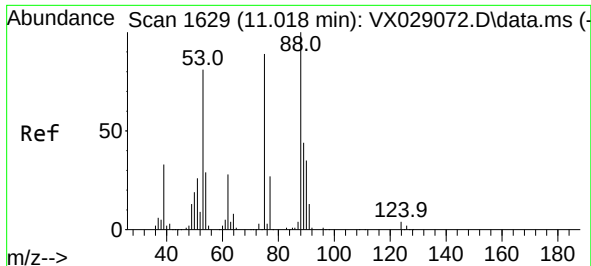
Tgt Ion:152 Resp: 268591
 Ion Ratio Lower Upper
 152 100
 115 62.6 37.5 112.7
 150 156.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.445 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029167.D
 Acq: 03 Jun 2022 04:45

Tgt Ion: 75 Resp: 133096
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.4 58.2#

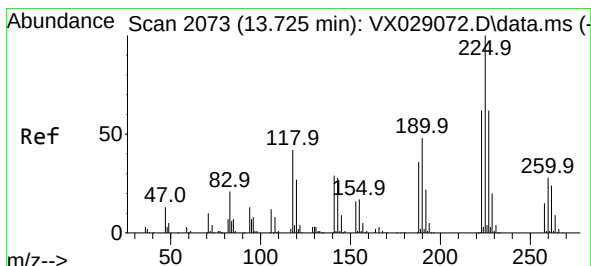
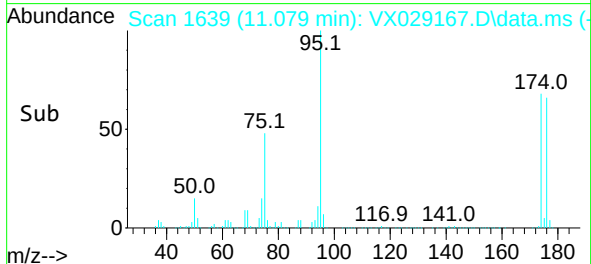
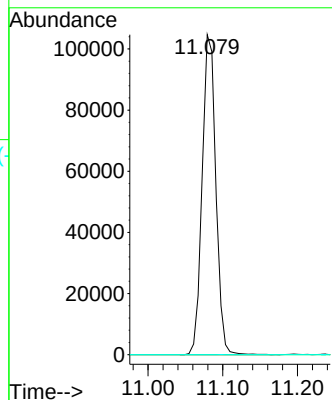
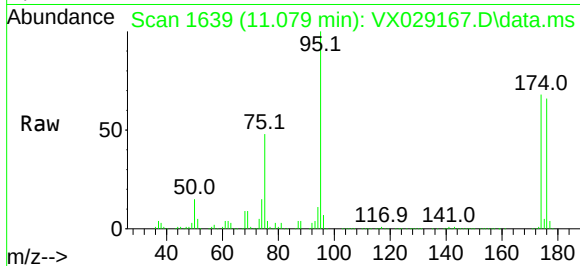




#81
trans-1,4-Dichloro-2-butene
Concen: 71.716 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

Tgt Ion: 75 Resp: 133096
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX029167.D
Acq: 03 Jun 2022 04:45

Tgt Ion: 225 Resp: 684
Ion Ratio Lower Upper
225 100
223 45.2 34.2 102.5
227 44.2 33.9 101.7

