

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029154.D
 Acq On : 02 Jun 2022 22:56
 Operator : JC/MD
 Sample : N3164-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 07BR-20220531

Quant Time: Jun 03 04:35:17 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)

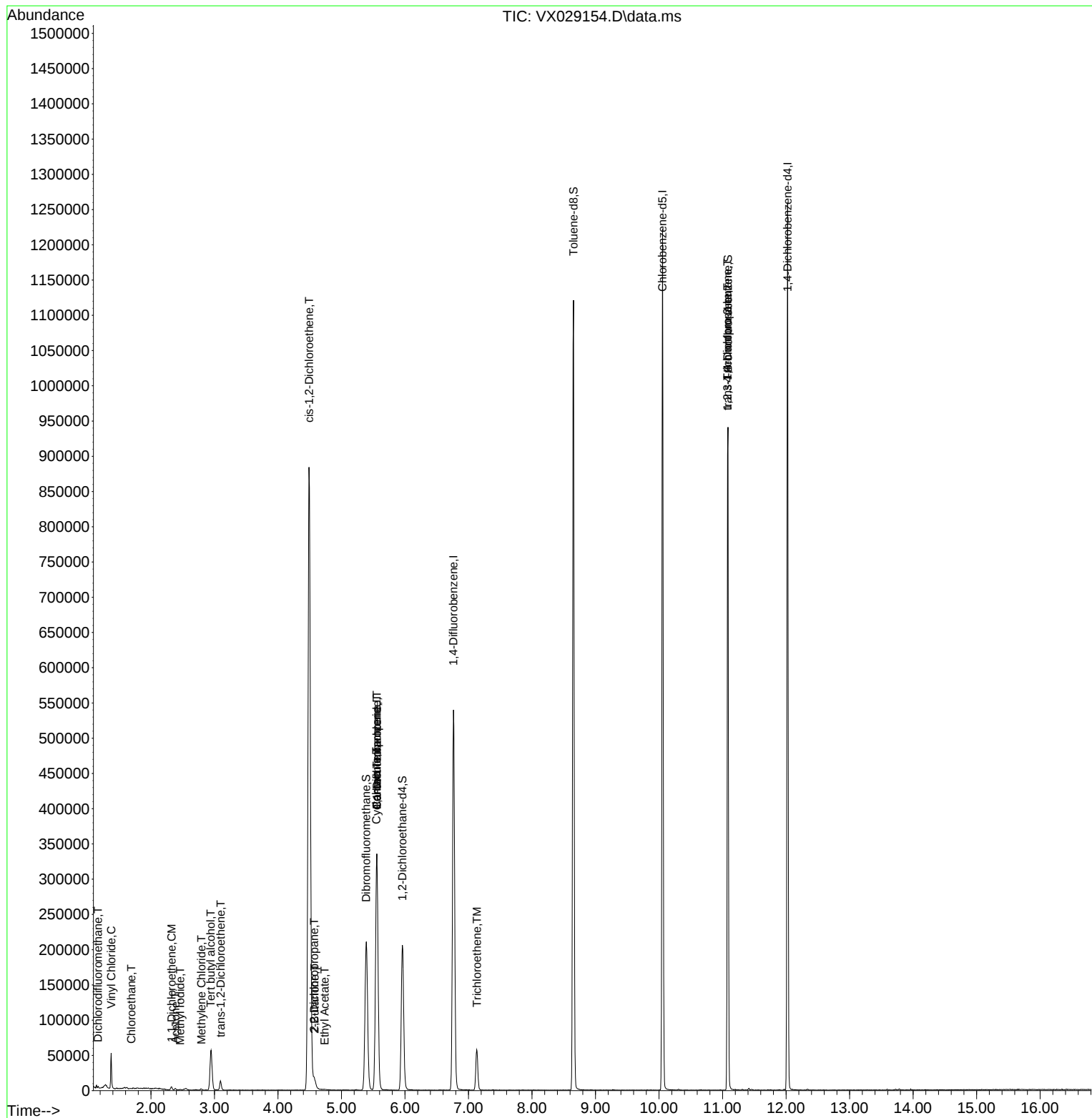
Internal Standards						
1) Pentafluorobenzene	5.556	168	312069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	571997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	551872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202837	57.640	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.280%
35) Dibromofluoromethane	5.385	113	188760	49.682	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.360%
50) Toluene-d8	8.653	98	673240	48.449	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.085	95	267512	49.803	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	1524	0.562	ug/l	90
4) Vinyl Chloride	1.374	62	30351	9.721	ug/l	97
5) Bromomethane	1.611	94	895	Below Cal	#	73
6) Chloroethane	1.691	64	1048	1.776	ug/l	91
10) Methyl Iodide	2.459	142	901	4.461	ug/l	# 94
11) Tert butyl alcohol	2.940	59	33212	40.741	ug/l	# 76
12) 1,1-Dichloroethene	2.325	96	1734	0.616	ug/l	89
16) Acetone	2.386	43	2305	1.663	ug/l	88
20) Methylene Chloride	2.794	84	862	0.267	ug/l	# 75
21) trans-1,2-Dichloroethene	3.099	96	5253	1.655	ug/l	# 85
25) 2-Butanone	4.574	43	968	0.433	ug/l	# 44
26) 2,2-Dichloropropane	4.568	77	1094	0.255	ug/l	# 52
27) cis-1,2-Dichloroethene	4.489	96	597533	157.901	ug/l	85
31) Cyclohexane	5.550	56	6058	1.324	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	24627	5.038	ug/l	# 50
37) Ethyl Acetate	4.733	43	1176	0.248	ug/l	# 65
38) Carbon Tetrachloride	5.556	117	32903	5.889	ug/l	# 16
44) Trichloroethene	7.135	130	23857	4.925	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	129368	25.000	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	129368	73.345	ug/l	# 15
94) Hexachlorobutadiene	13.731	225	229	Below Cal		74

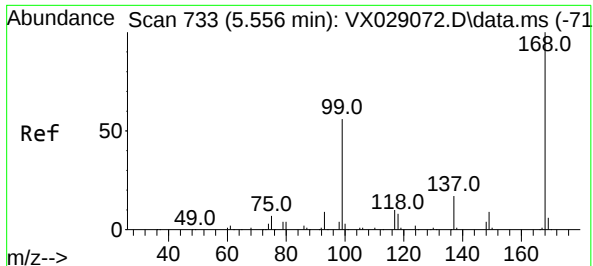
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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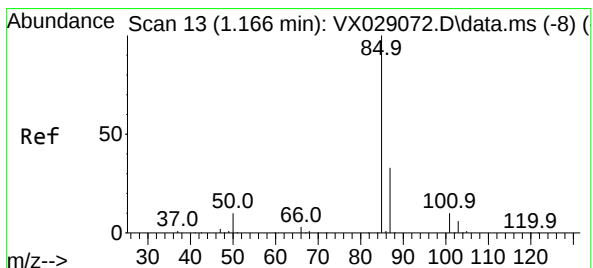
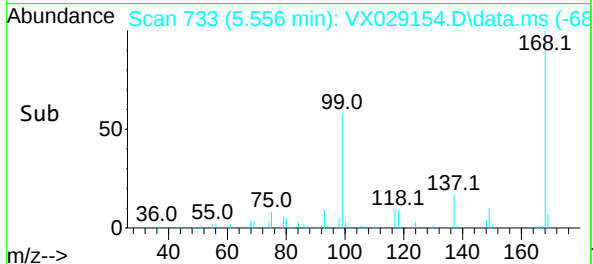
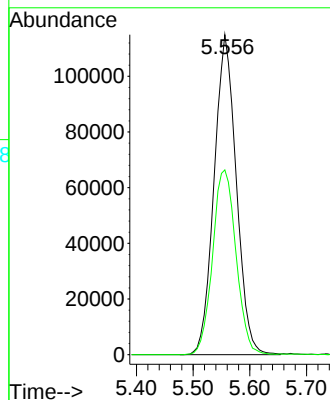
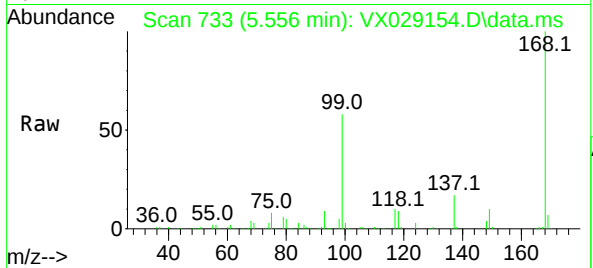




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

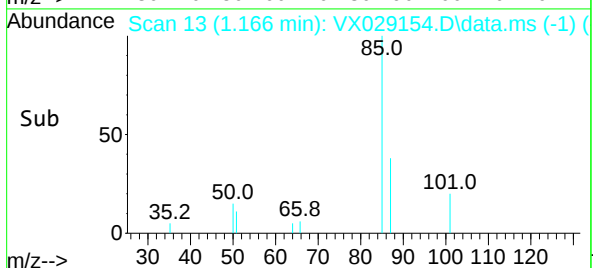
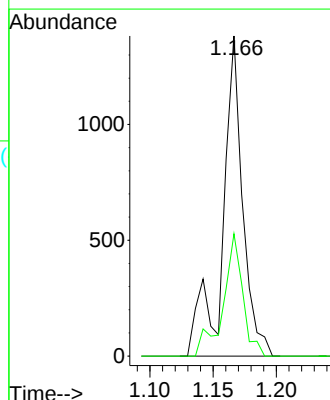
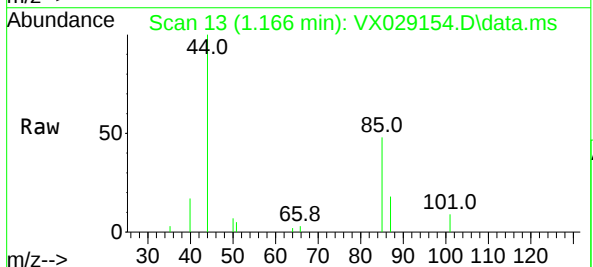
Instrument :
MSVOA_X
ClientSampleId :
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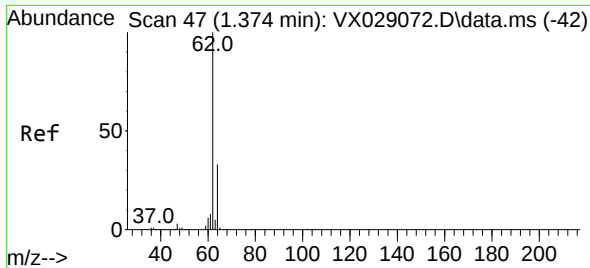
Tgt Ion:168 Resp: 312069
Ion Ratio Lower Upper
168 100
99 57.7 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.562 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 85 Resp: 1524
Ion Ratio Lower Upper
85 100
87 38.2 16.2 48.6

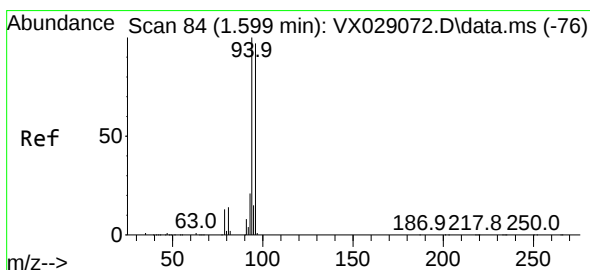
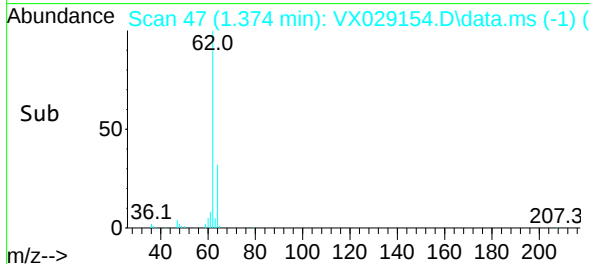
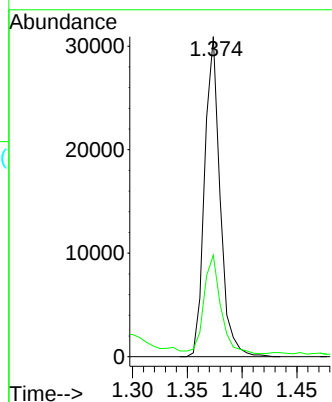
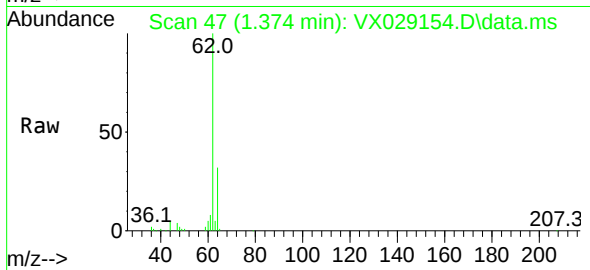




#4
 Vinyl Chloride
 Concen: 9.721 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029154.D
 Acq: 02 Jun 2022 22:56

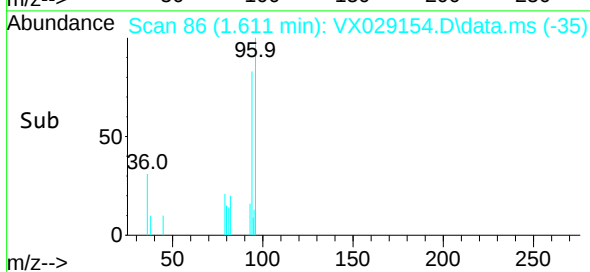
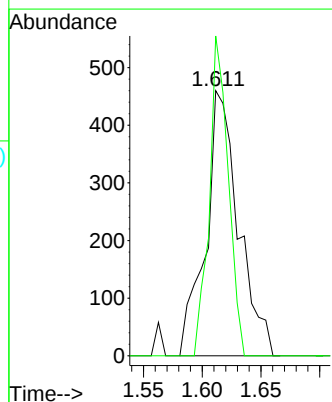
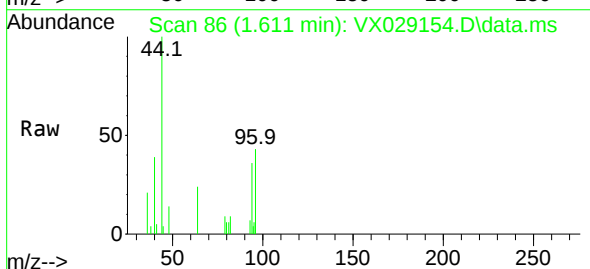
Instrument :
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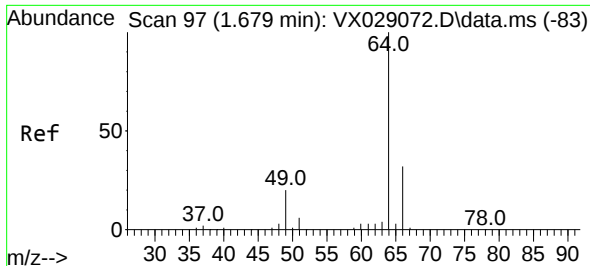
Tgt Ion: 62 Resp: 30351
 Ion Ratio Lower Upper
 62 100
 64 30.4 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX029154.D
 Acq: 02 Jun 2022 22:56

Tgt Ion: 94 Resp: 895
 Ion Ratio Lower Upper
 94 100
 96 120.7 75.3 112.9#

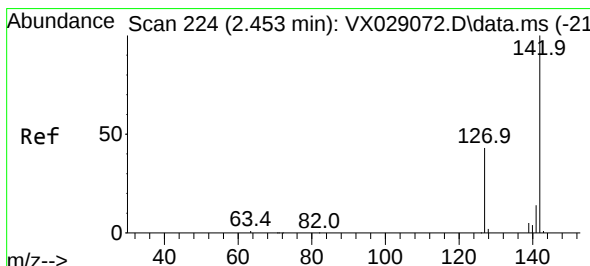
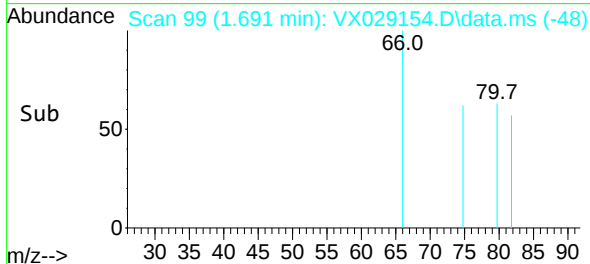
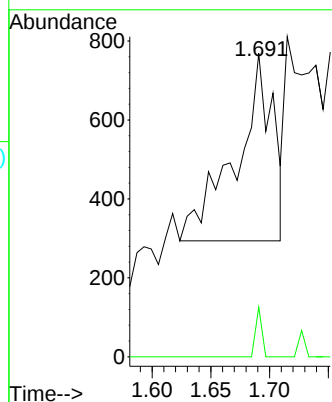
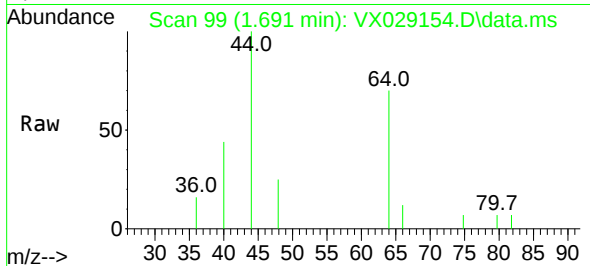




#6
Chloroethane
Concen: 1.776 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

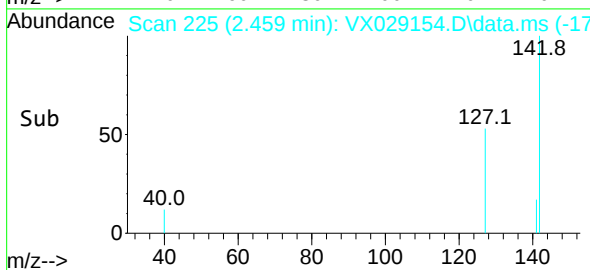
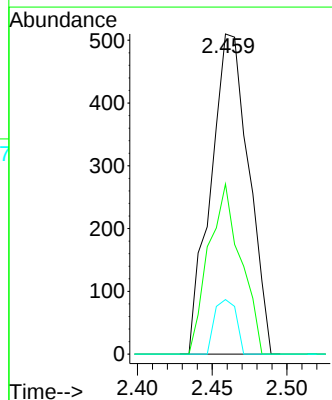
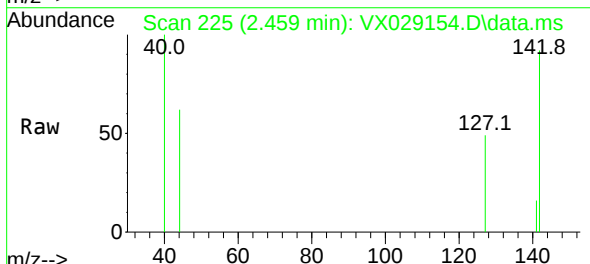
Instrument :
MSVOA_X
ClientSampleId :
07BR-20220531

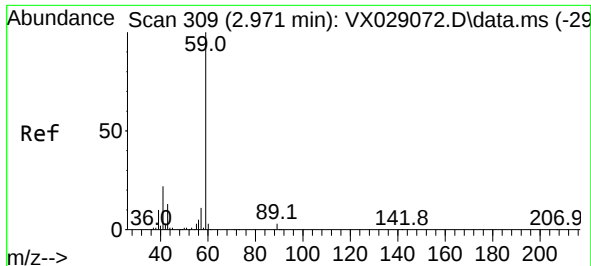
Tgt Ion: 64 Resp: 1048
Ion Ratio Lower Upper
64 100
66 26.5 25.3 37.9



#10
Methyl Iodide
Concen: 4.461 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 142 Resp: 901
Ion Ratio Lower Upper
142 100
127 45.1 33.9 50.9
141 9.7 11.4 17.2#

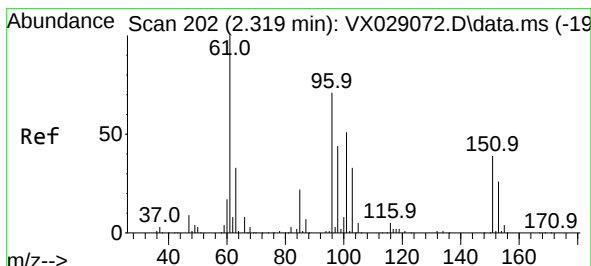
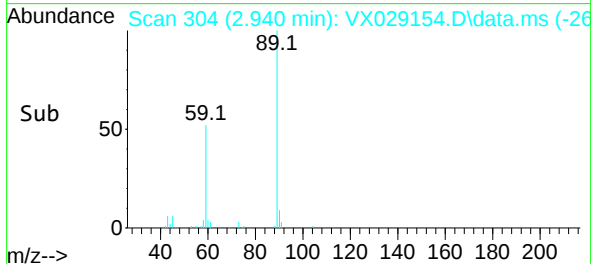
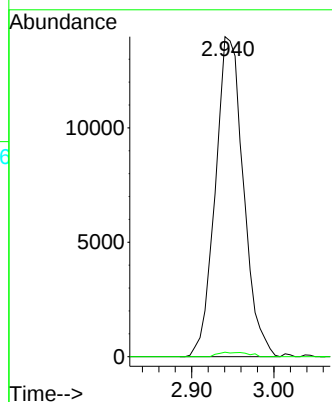
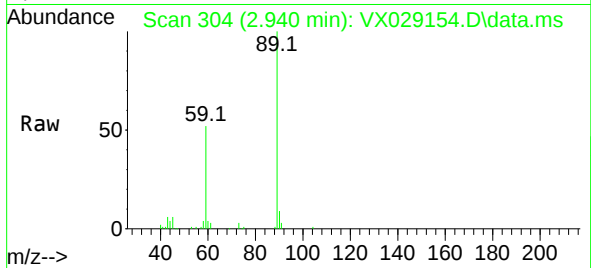




#11
Tert butyl alcohol
Concen: 40.741 ug/l
RT: 2.940 min Scan# 309
Delta R.T. -0.031 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

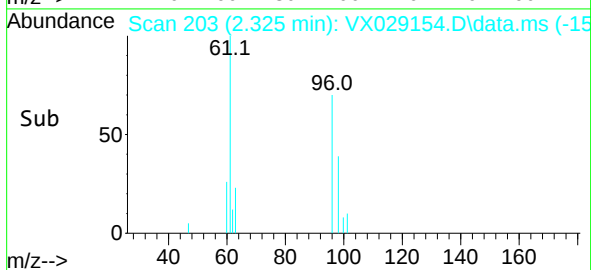
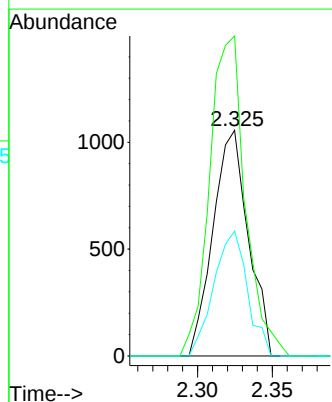
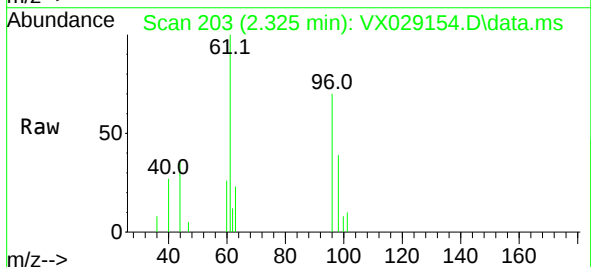
Instrument :
MSVOA_X
ClientSampleId :
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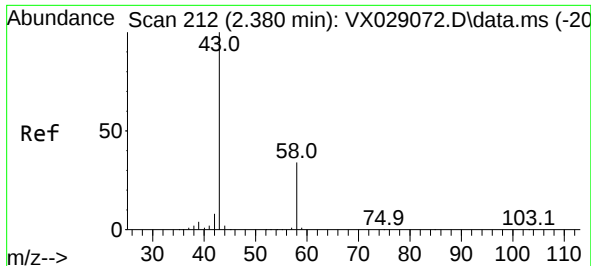
Tgt Ion: 59 Resp: 33212
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.616 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 96 Resp: 1734
Ion Ratio Lower Upper
96 100
61 141.9 124.6 187.0
98 55.4 51.0 76.4

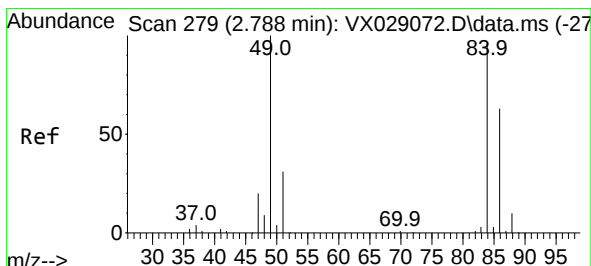
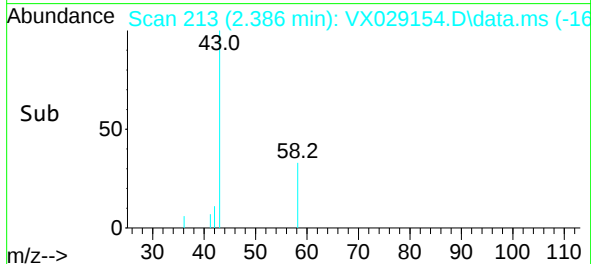
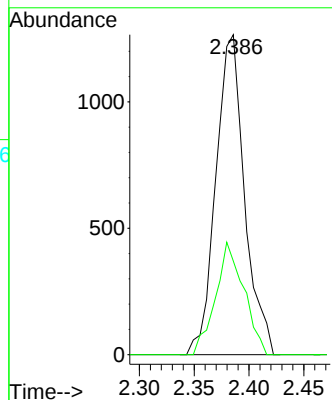
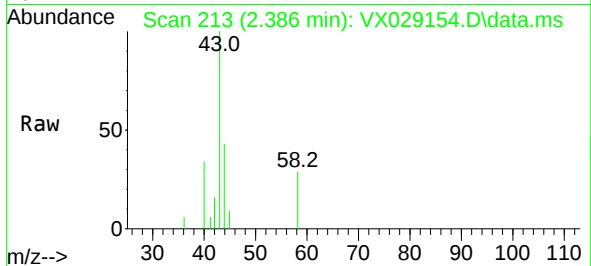




#16
Acetone
Concen: 1.663 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

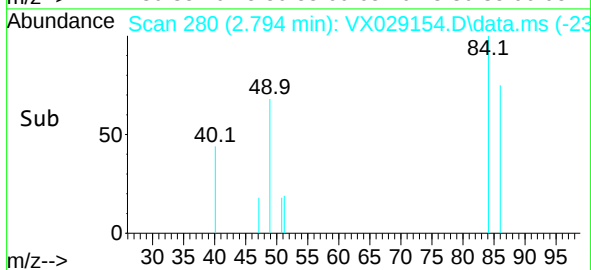
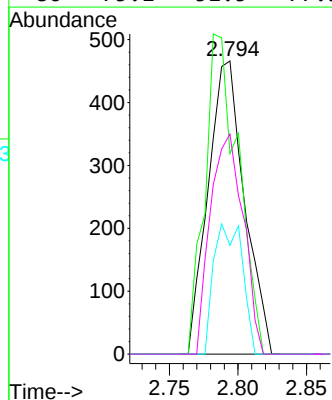
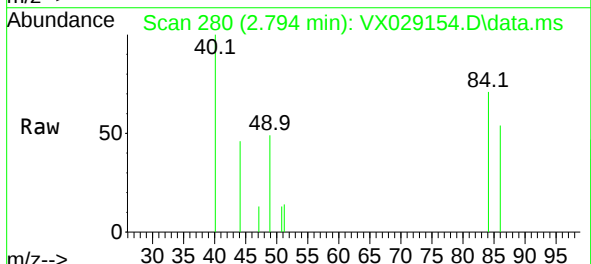
Instrument :
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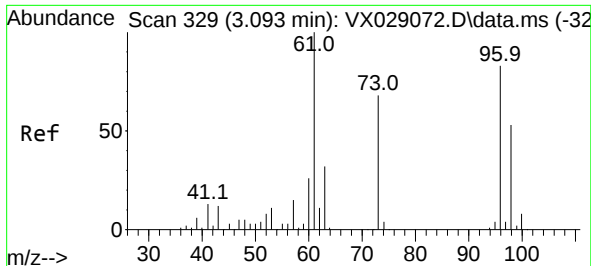
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 29.2 28.8 43.2



#20
Methylene Chloride
Concen: 0.267 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 84 Resp: 862
Ion Ratio Lower Upper
84 100
49 68.5 85.5 128.3#
51 37.1 26.6 39.8
86 75.1 51.5 77.3

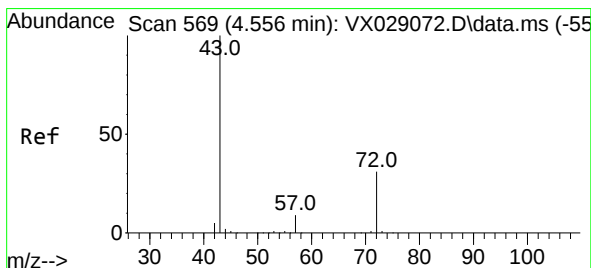
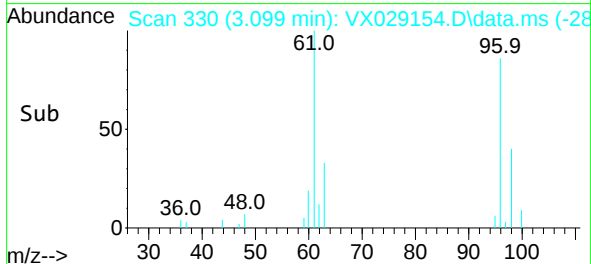
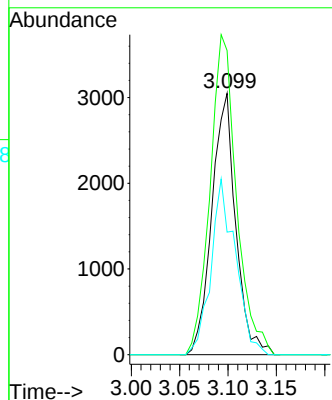
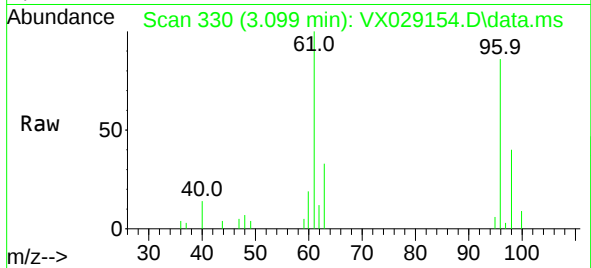




#21
trans-1,2-Dichloroethene
Concen: 1.655 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

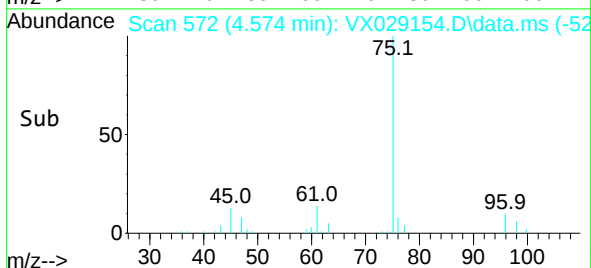
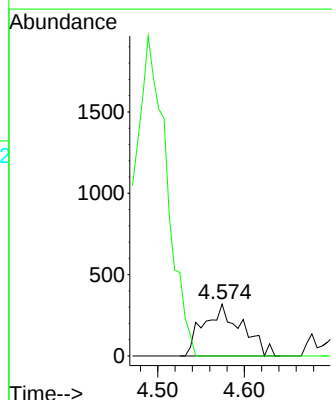
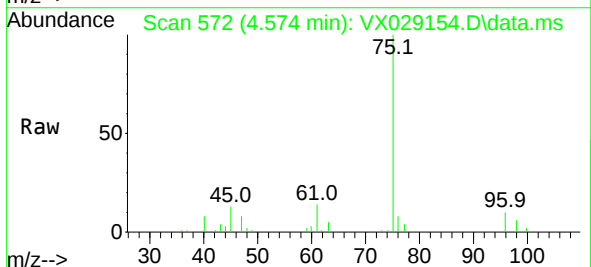
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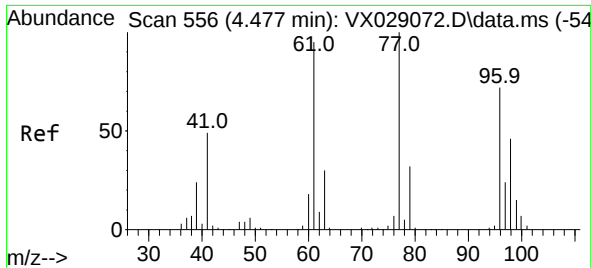
Tgt Ion: 96 Resp: 5253
Ion Ratio Lower Upper
96 100
61 116.4 105.4 158.2
98 46.9 50.0 75.0#



#25
2-Butanone
Concen: 0.433 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#

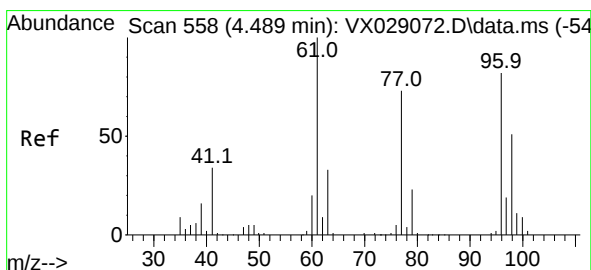
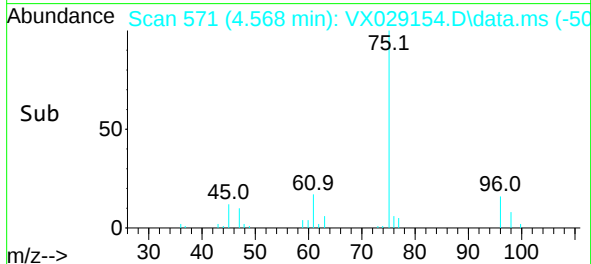
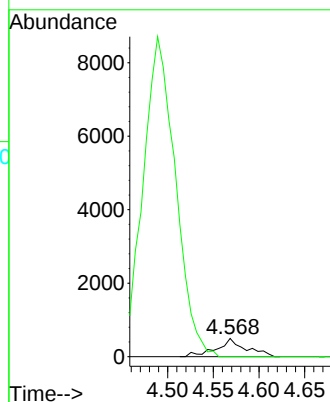
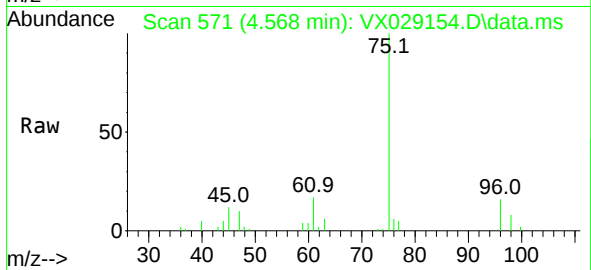




#26
2,2-Dichloropropane
Concen: 0.255 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.091 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

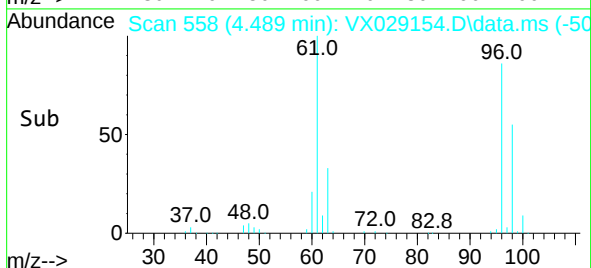
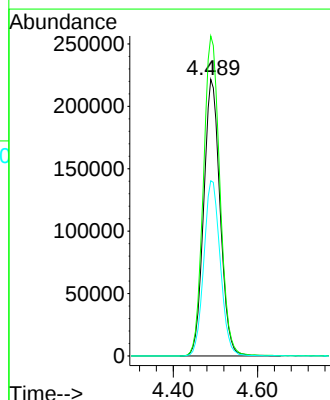
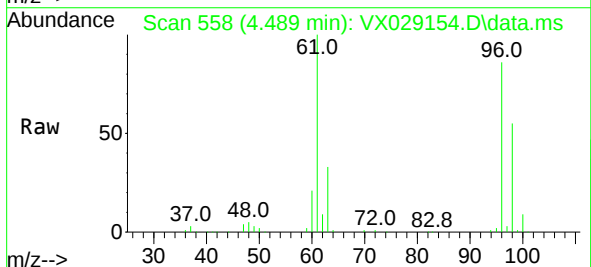
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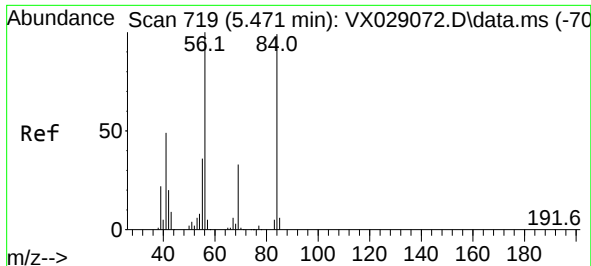
Tgt Ion: 77 Resp: 1094
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



#27
cis-1,2-Dichloroethene
Concen: 157.901 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 96 Resp: 597533
Ion Ratio Lower Upper
96 100
61 116.7 0.0 283.8
98 63.9 0.0 129.8

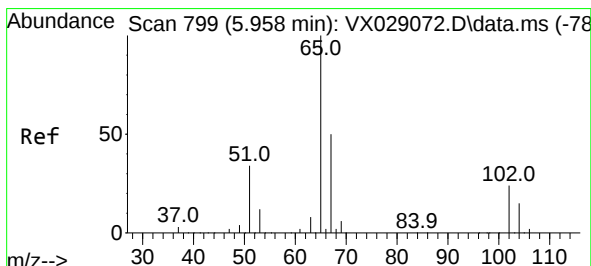
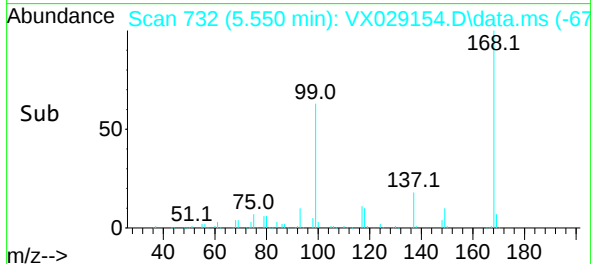
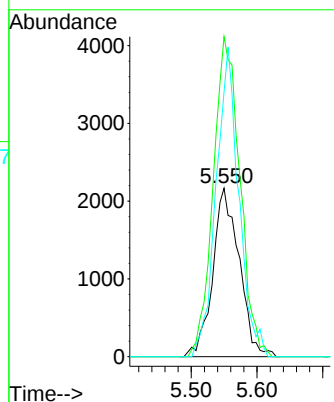
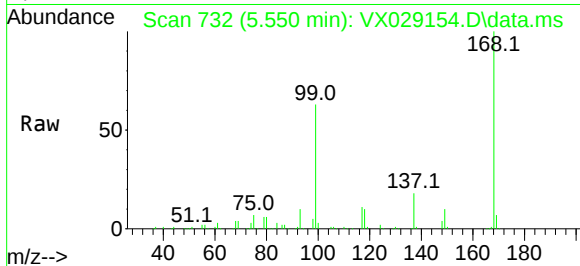




#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

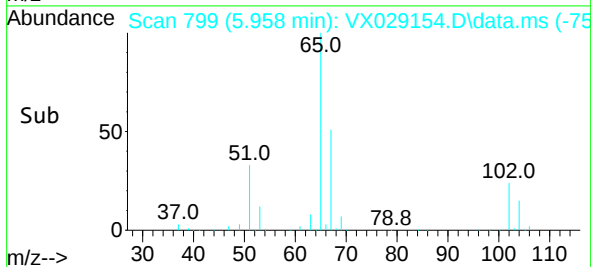
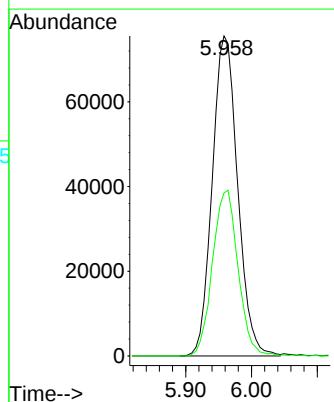
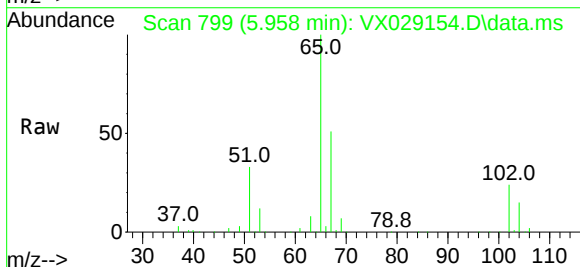
Instrument :
MSVOA_X
ClientSampleId :
07BR-20220531

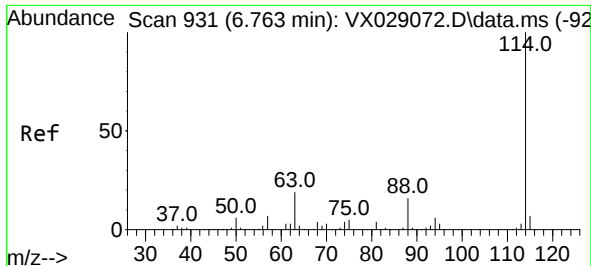
Tgt Ion: 56 Resp: 6058
Ion Ratio Lower Upper
56 100
69 189.9 26.7 40.1#
84 157.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.640 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 65 Resp: 202837
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4

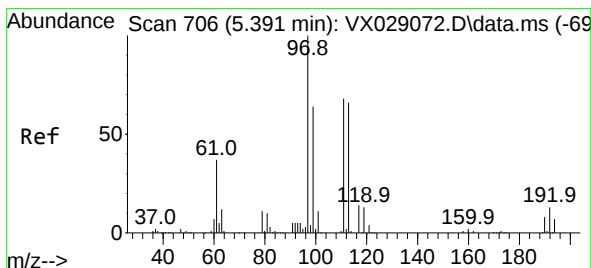
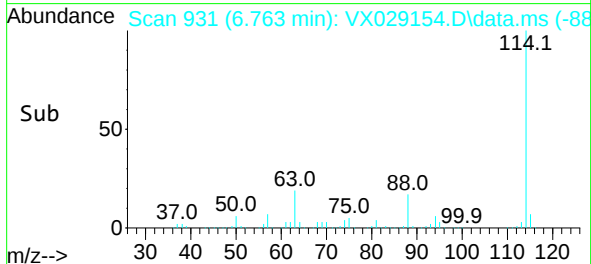
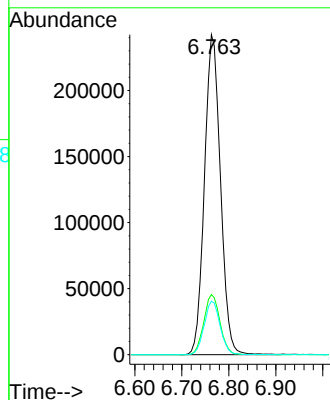
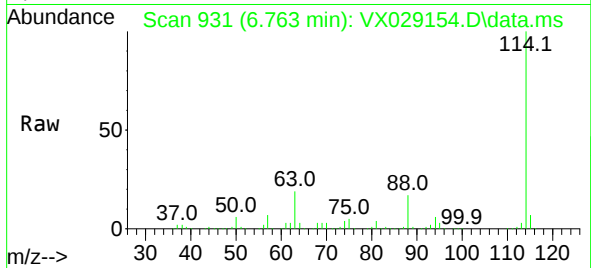




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

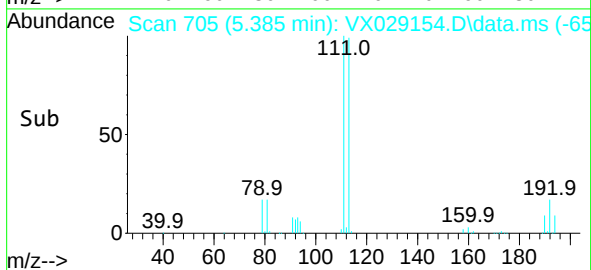
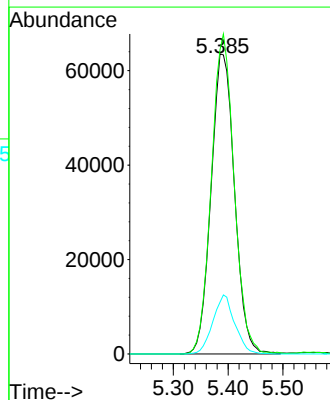
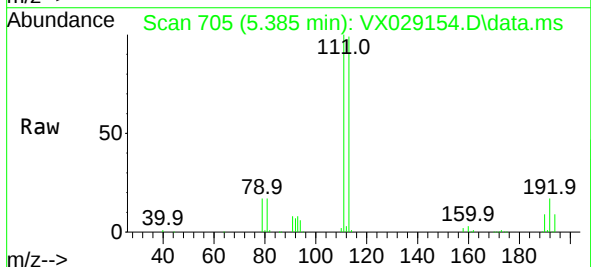
Instrument :
MSVOA_X
ClientSampleId :
07BR-20220531

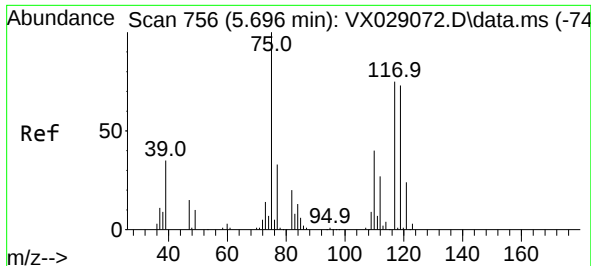
Tgt Ion:114 Resp: 571997
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.682 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion:113 Resp: 188760
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 18.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.038 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX029154.D

Acq: 02 Jun 2022 22:56

Instrument :

MSVOA_X

ClientSampleId :

07BR-20220531

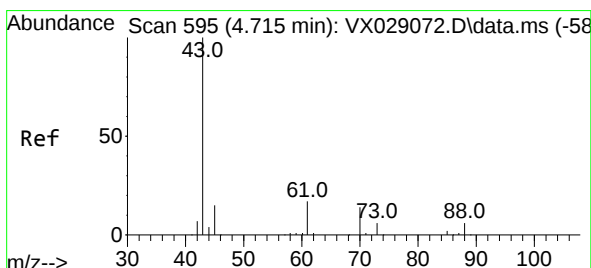
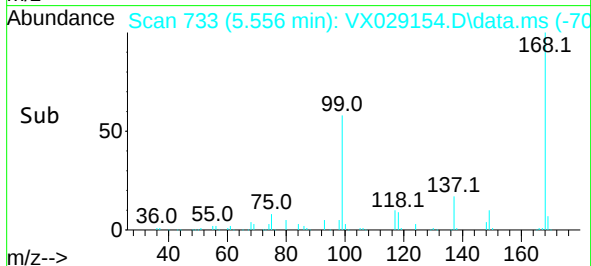
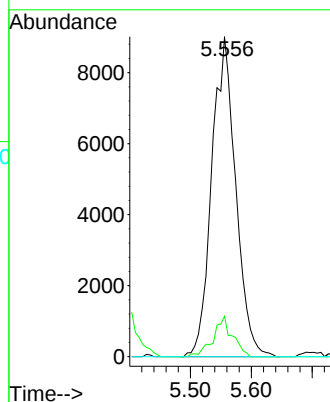
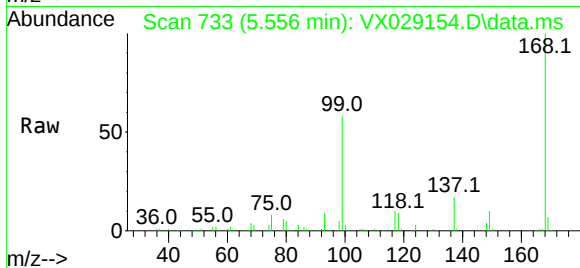
Tgt Ion: 75 Resp: 24627

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.248 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.018 min

Lab File: VX029154.D

Acq: 02 Jun 2022 22:56

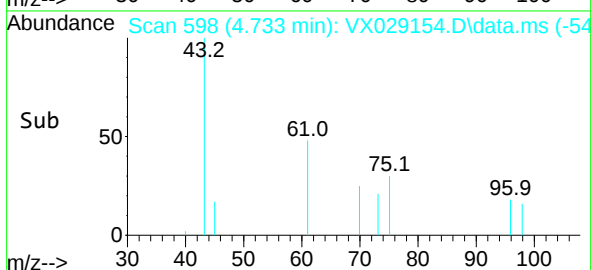
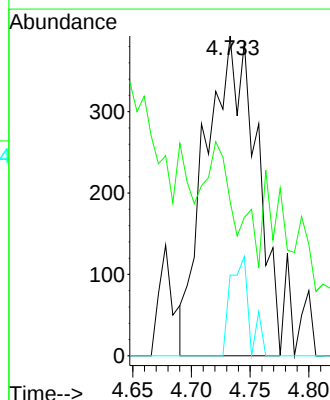
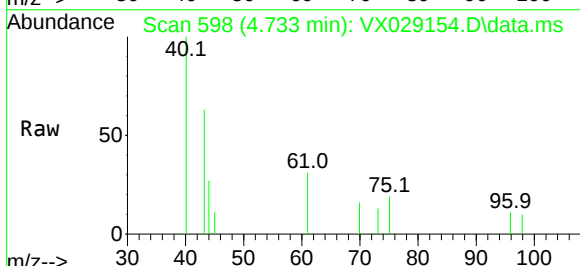
Tgt Ion: 43 Resp: 1176

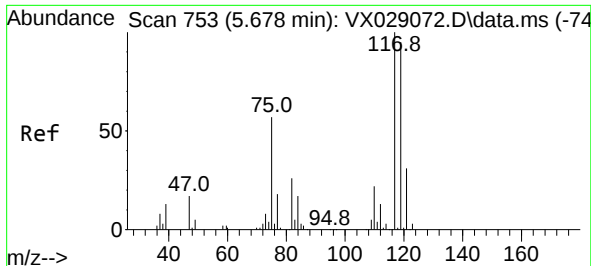
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

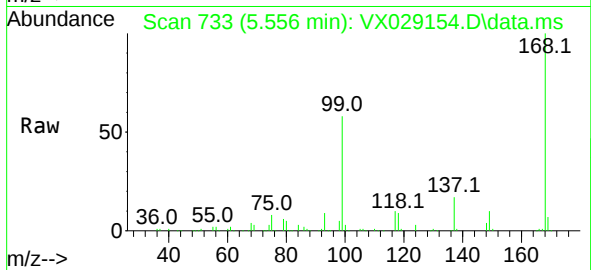
70 0.0 10.2 15.2#



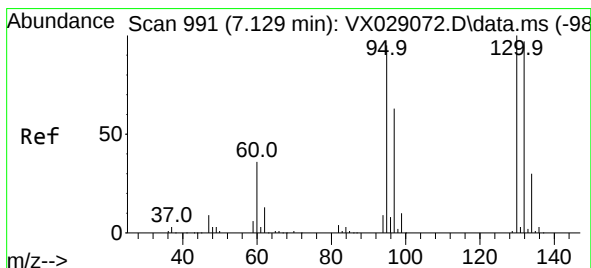
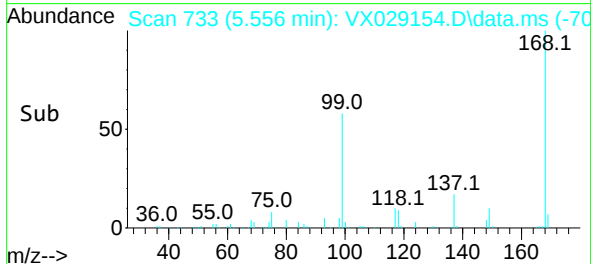
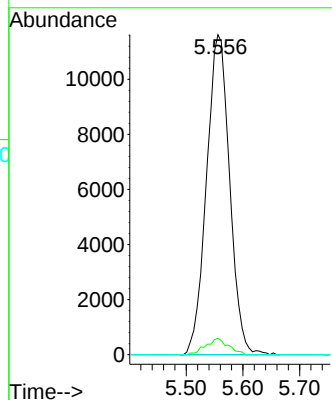


#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Instrument :
MSVOA_X
ClientSampleId :
07BR-20220531

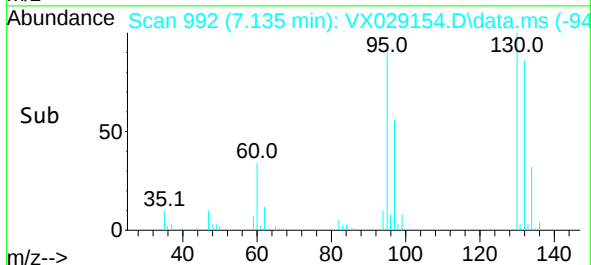
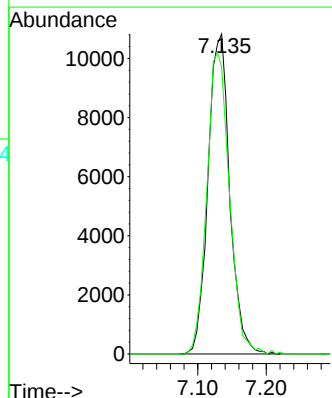
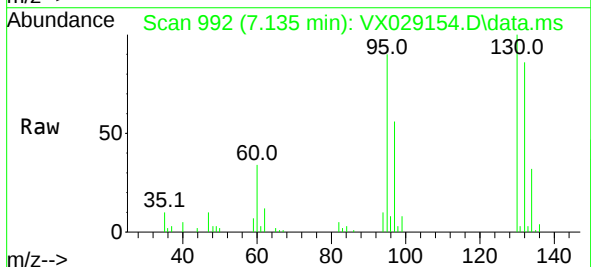


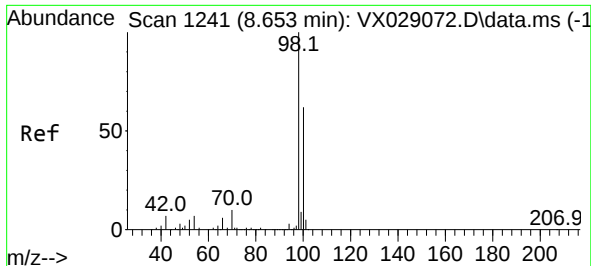
Tgt Ion:117 Resp: 32903
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 4.925 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion:130 Resp: 23857
Ion Ratio Lower Upper
130 100
95 89.7 0.0 188.8

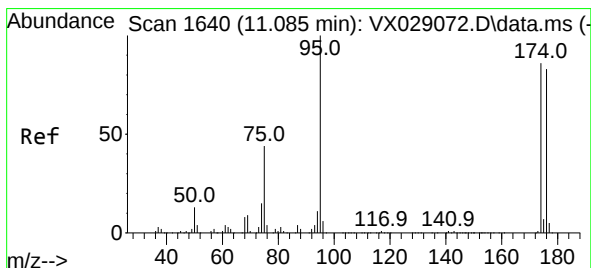
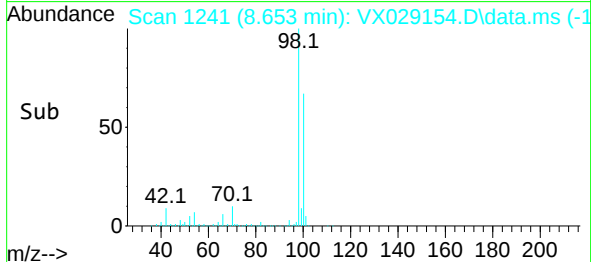
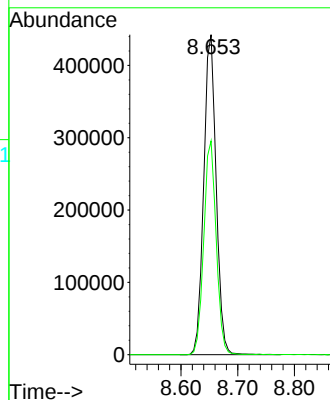
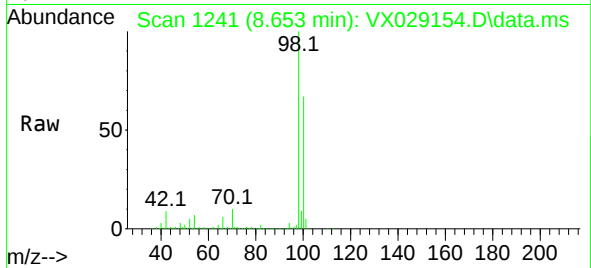




#50
Toluene-d8
Concen: 48.449 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

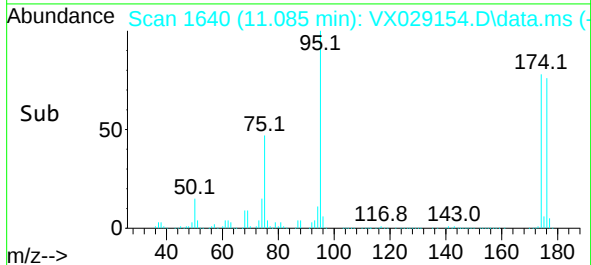
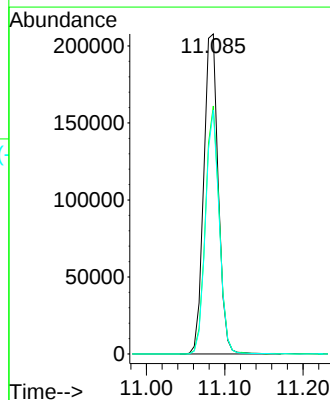
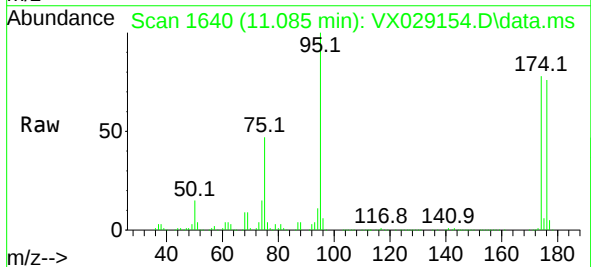
Instrument :
MSVOA_X
ClientSampleId :
07BR-20220531

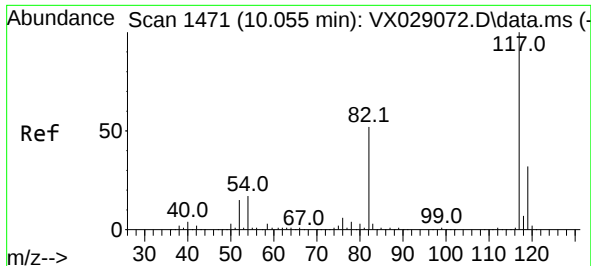
Tgt Ion: 98 Resp: 673240
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.803 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion: 95 Resp: 267512
Ion Ratio Lower Upper
95 100
174 74.0 0.0 163.0
176 72.1 0.0 155.0

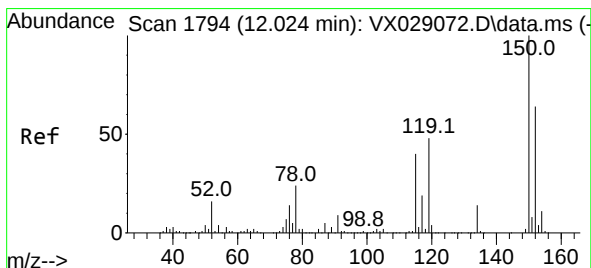
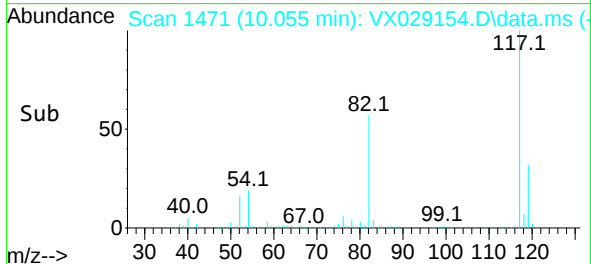
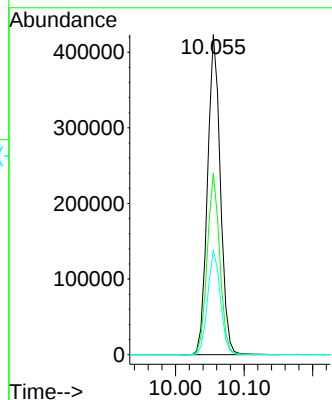
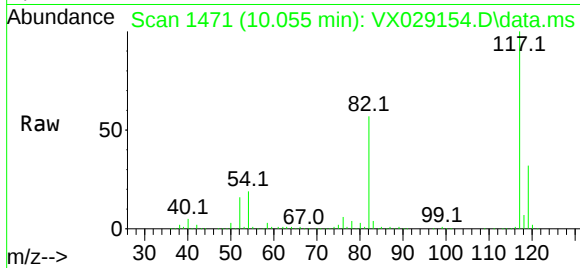




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

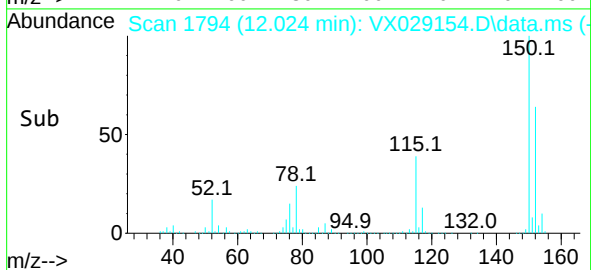
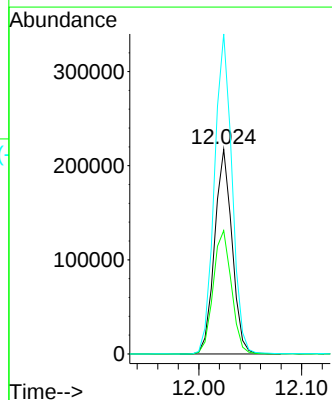
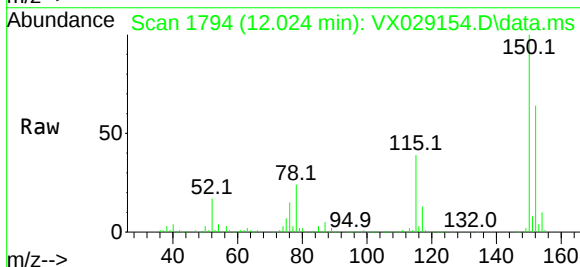
Instrument :
MSVOA_X
ClientSampleId :
07BR-20220531

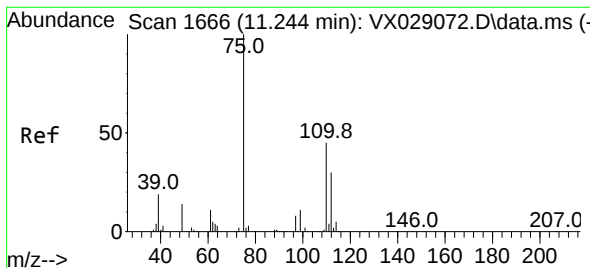
Tgt Ion:117 Resp: 551872
Ion Ratio Lower Upper
117 100
82 56.7 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029154.D
Acq: 02 Jun 2022 22:56

Tgt Ion:152 Resp: 255270
Ion Ratio Lower Upper
152 100
115 63.2 37.5 112.7
150 158.1 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 25.000 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX029154.D

Acq: 02 Jun 2022 22:56

Instrument :

MSVOA_X

ClientSampleId :

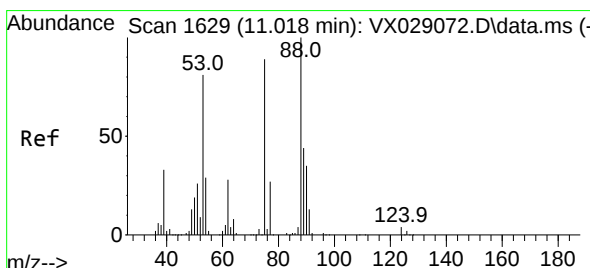
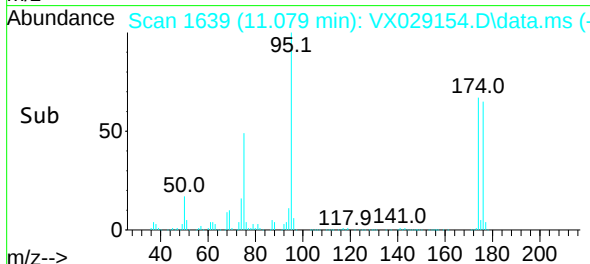
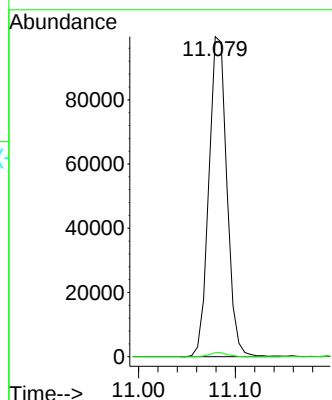
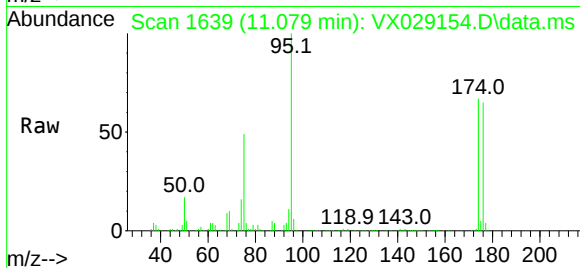
07BR-20220531

Tgt Ion: 75 Resp: 129368

Ion Ratio Lower Upper

75 100

77 1.3 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.345 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX029154.D

Acq: 02 Jun 2022 22:56

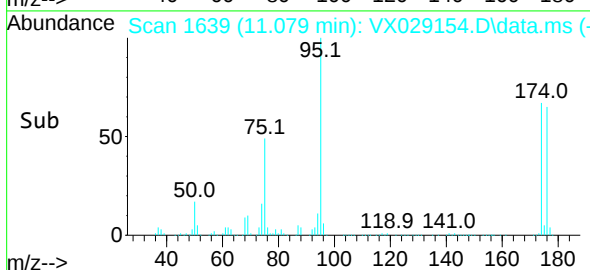
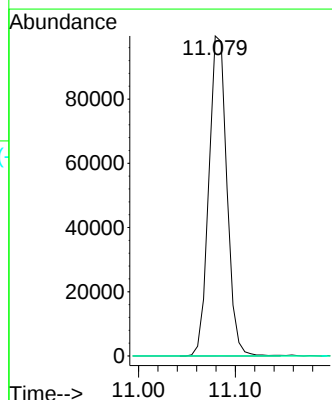
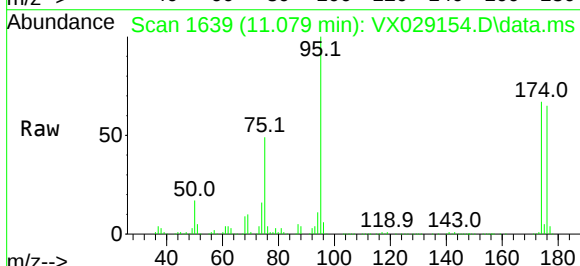
Tgt Ion: 75 Resp: 129368

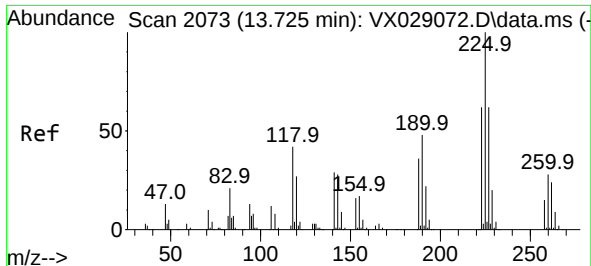
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

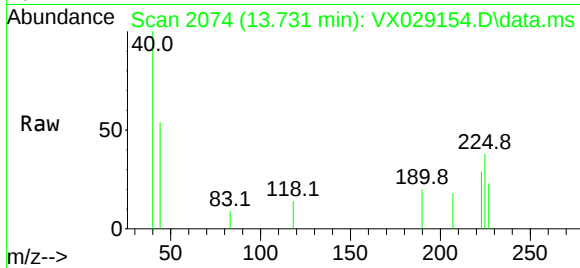
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX029154.D
 Acq: 02 Jun 2022 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 07BR-20220531



Tgt Ion:	225	Resp:	229
Ion	Ratio	Lower	Upper
225	100		
223	81.7	34.2	102.5
227	38.9	33.9	101.7

