

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029201.D
 Acq On : 03 Jun 2022 19:32
 Operator : JC/MD
 Sample : N3022-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 08BR-20220525

Quant Time: Jun 06 02:36:58 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)

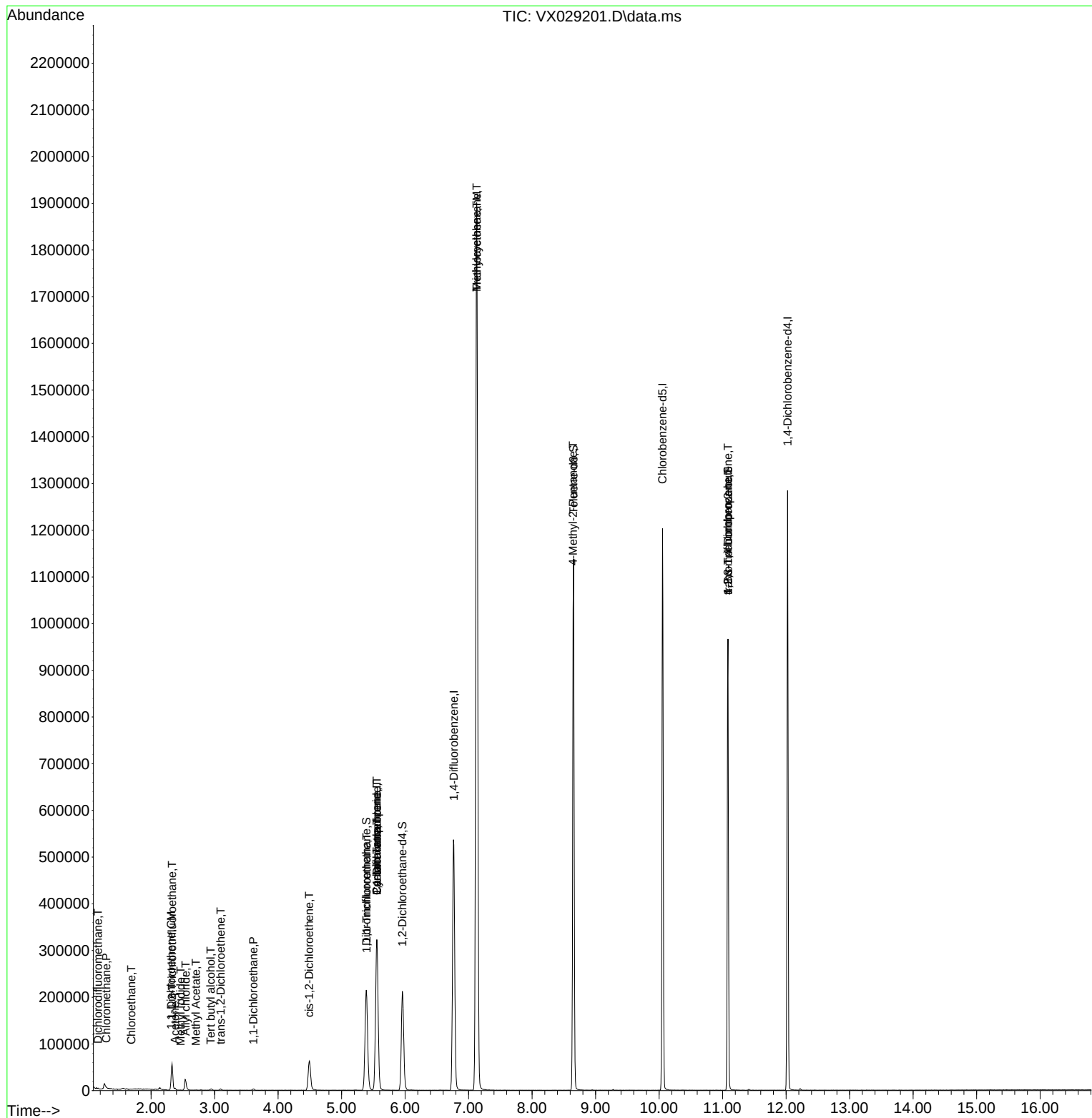
Internal Standards						
1) Pentafluorobenzene	5.555	168	302550	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	573406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	559963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	260919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	203725	59.714	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 119.420%	
35) Dibromofluoromethane	5.391	113	190951	50.136	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.280%	
50) Toluene-d8	8.652	98	684793	49.160	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	11.085	95	275487	51.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.320%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	981	0.373	ug/l	100
3) Chloromethane	1.294	50	579	0.210	ug/l	91
5) Bromomethane	1.617	94	683	Below Cal		86
6) Chloroethane	1.690	64	671	1.650	ug/l	# 43
9) 1,1,2-Trichlorotrifluo...	2.330	101	21528	7.716	ug/l	97
10) Methyl Iodide	2.464	142	365	4.325	ug/l	# 88
11) Tert butyl alcohol	2.940	59	1953	2.471	ug/l	# 72
12) 1,1-Dichloroethene	2.318	96	1666	0.611	ug/l	87
14) Allyl chloride	2.544	41	2915	0.712	ug/l	# 62
16) Acetone	2.379	43	4436	3.302	ug/l	95
18) Methyl Acetate	2.708	43	765	0.220	ug/l	# 83
21) trans-1,2-Dichloroethene	3.099	96	1511	0.491	ug/l	# 76
24) 1,1-Dichloroethane	3.611	63	3630	0.716	ug/l	# 87
27) cis-1,2-Dichloroethene	4.489	96	42608	11.614	ug/l	86
31) Cyclohexane	5.555	56	5890	1.328	ug/l	# 1
32) 1,1,1-Trichloroethane	5.397	97	1293	0.254	ug/l	# 46
36) 1,1-Dichloropropene	5.555	75	23499	4.795	ug/l	# 51
38) Carbon Tetrachloride	5.555	117	32445	5.793	ug/l	# 16
39) Methylcyclohexane	7.128	83	8484	1.400	ug/l	# 1
44) Trichloroethene	7.128	130	764464	179.479	ug/l	95
51) 4-Methyl-2-Pentanone	8.646	43	2536	0.513	ug/l	# 1
76) 1,2,3-Trichloropropane	11.085	75	132431	25.038	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	132431	73.456	ug/l	# 15

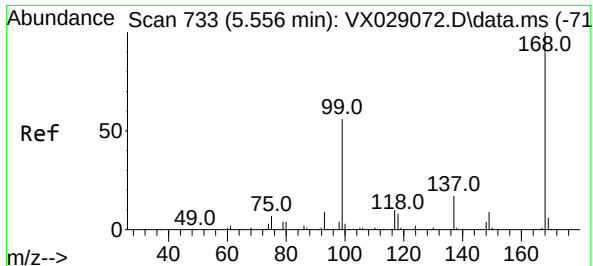
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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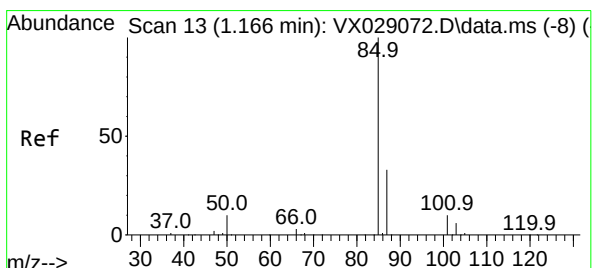
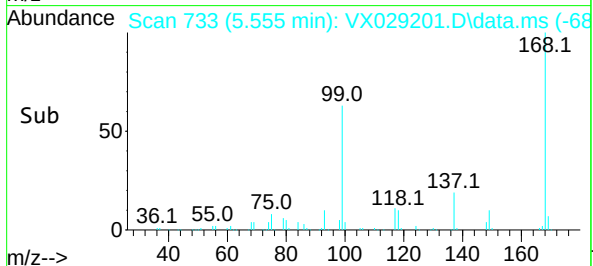
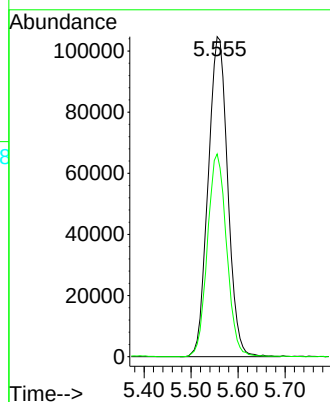
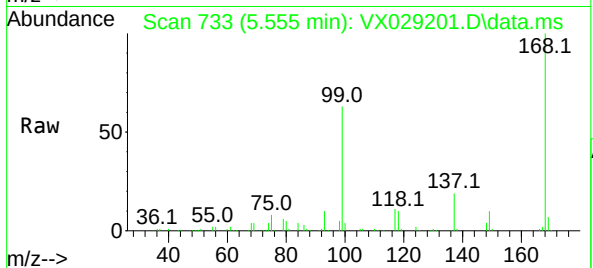




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

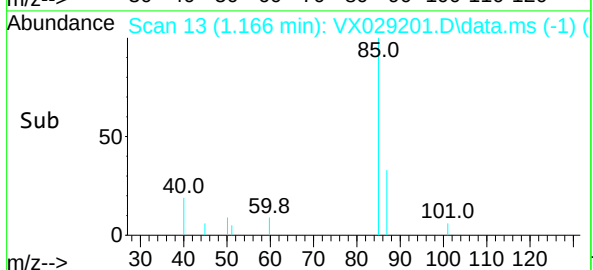
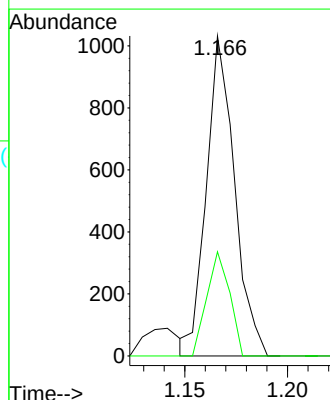
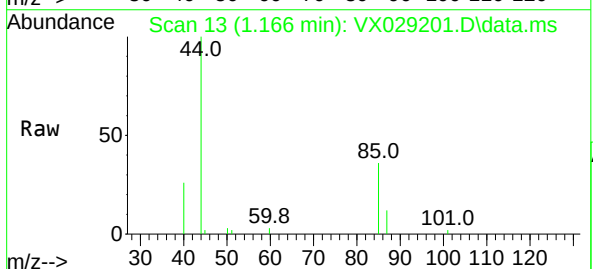
Instrument :
MSVOA_X
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08BR-20220525

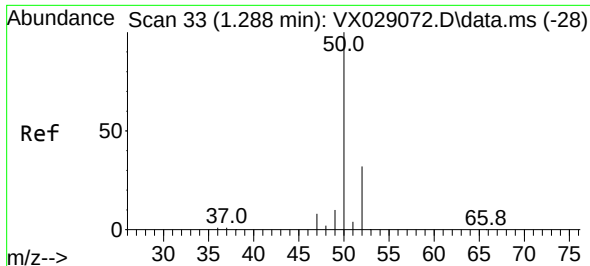
Tgt Ion:168 Resp: 302550
Ion Ratio Lower Upper
168 100
99 63.3 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 0.373 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 85 Resp: 981
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.6

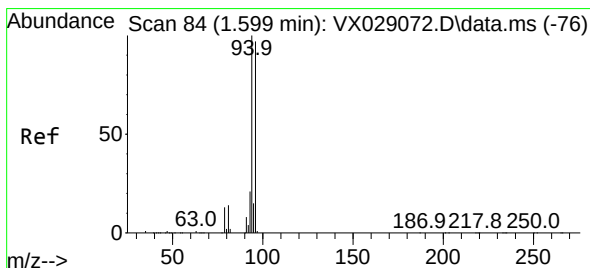
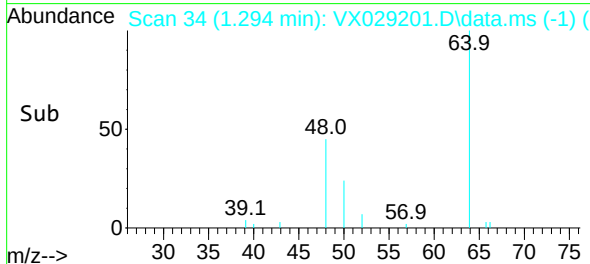
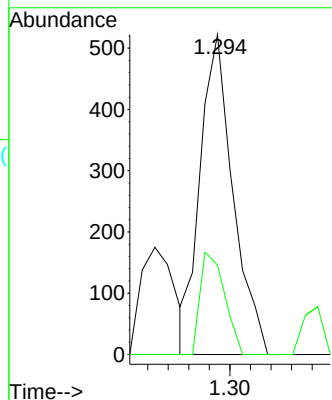
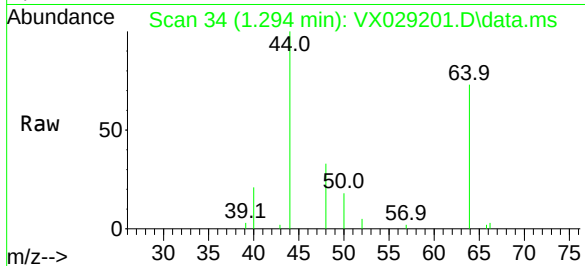




#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

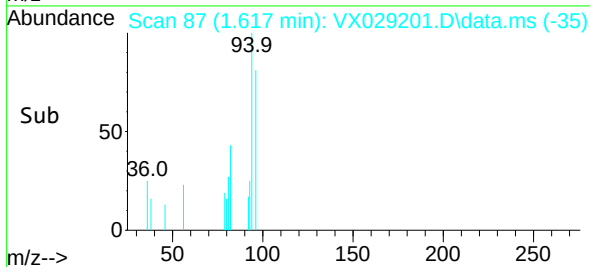
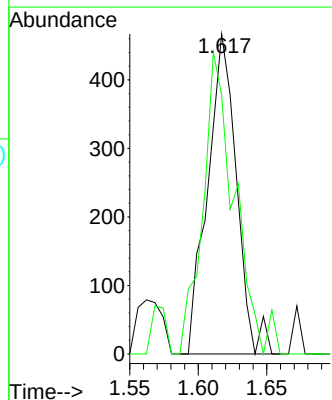
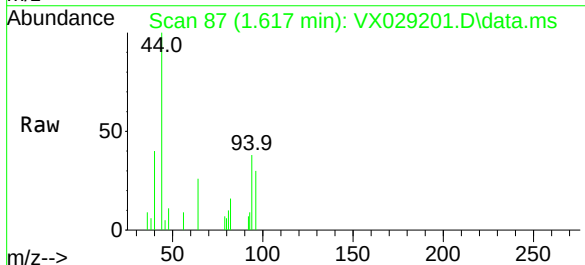
Instrument :
MSVOA_X
ClientSampleId :
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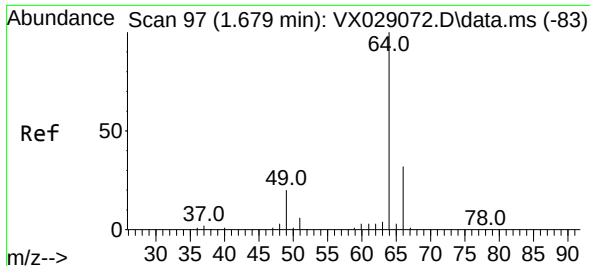
Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 28.0 26.4 39.6



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 94 Resp: 683
Ion Ratio Lower Upper
94 100
96 80.9 75.3 112.9

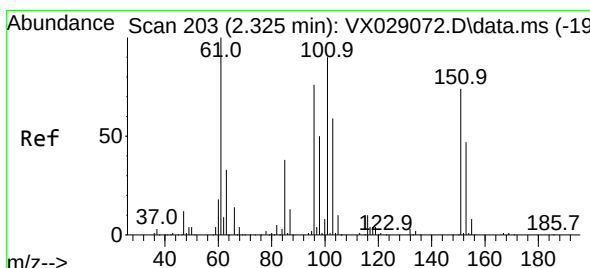
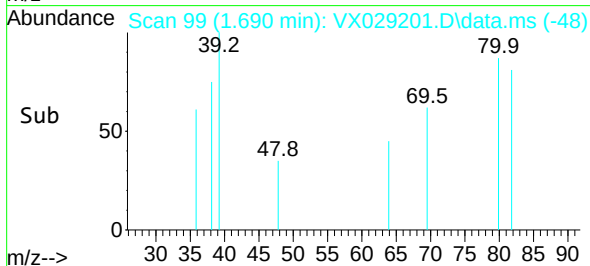
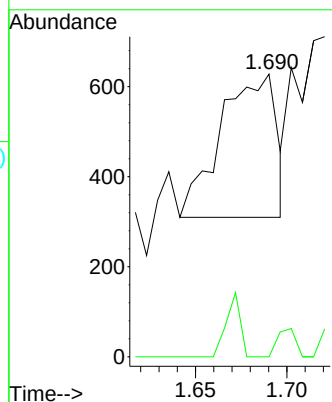
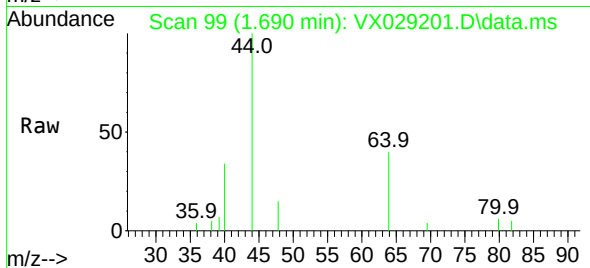




#6
Chloroethane
Concen: 1.650 ug/l
RT: 1.690 min Scan# 99
Delta R.T. 0.011 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

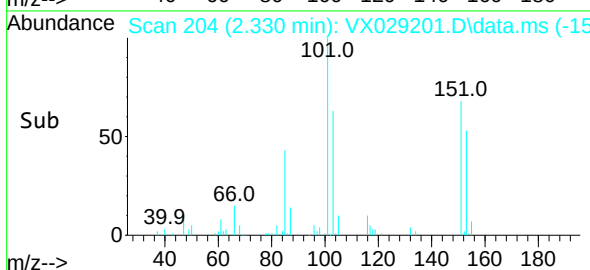
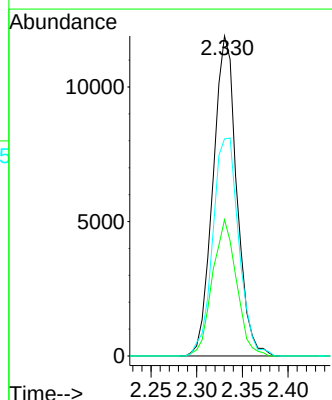
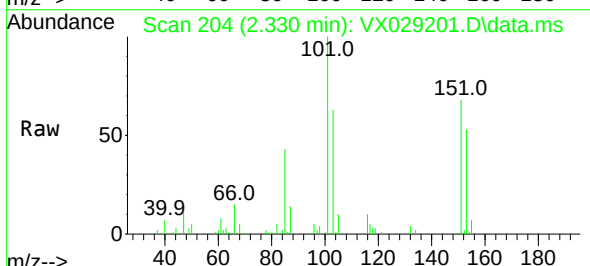
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

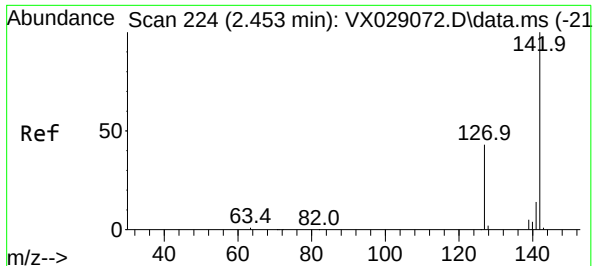
Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.716 ug/l
RT: 2.330 min Scan# 204
Delta R.T. 0.005 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 101 Resp: 21528
Ion Ratio Lower Upper
101 100
85 43.1 33.5 50.3
151 74.6 61.8 92.6

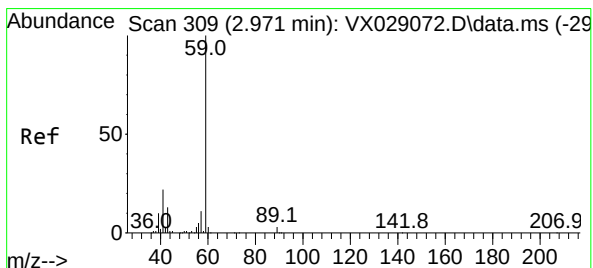
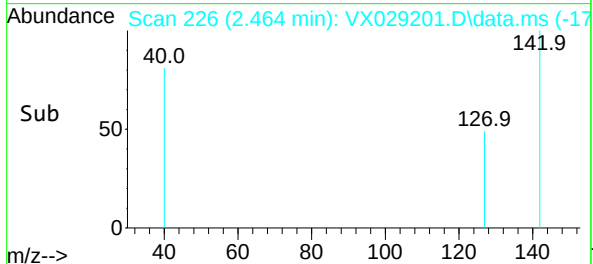
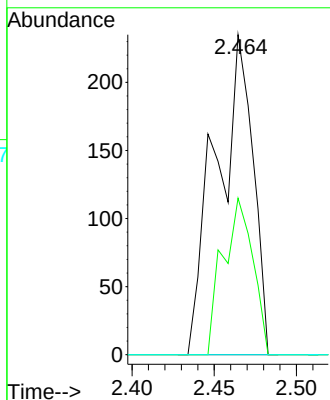
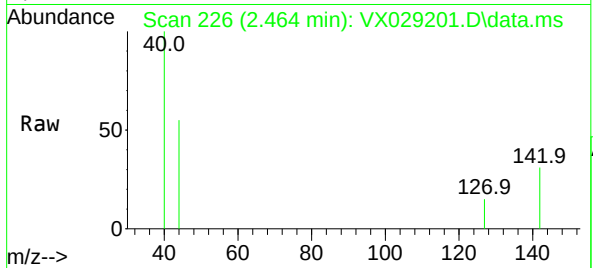




#10
Methyl Iodide
Concen: 4.325 ug/l
RT: 2.464 min Scan# 21
Delta R.T. 0.011 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

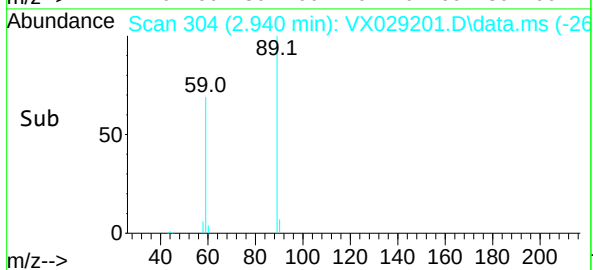
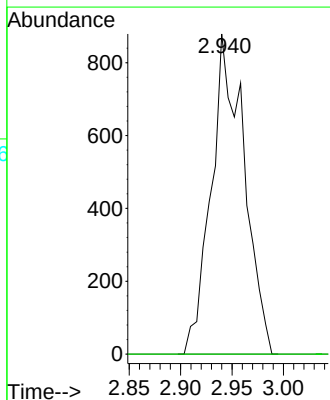
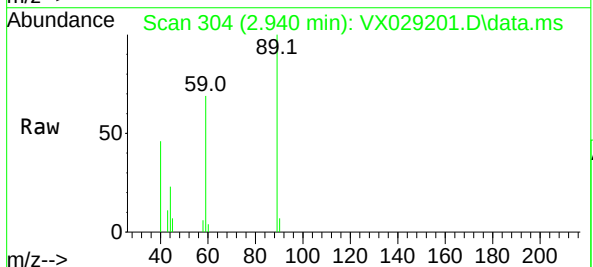
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

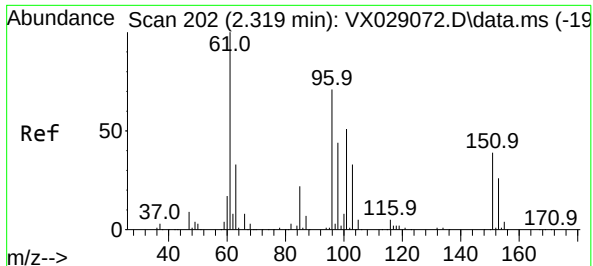
Tgt Ion:142 Resp: 365
Ion Ratio Lower Upper
142 100
127 40.0 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.471 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.031 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 59 Resp: 1953
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.611 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.001 min

Lab File: VX029201.D

Acq: 03 Jun 2022 19:32

Instrument :

MSVOA_X

ClientSampleId :

08BR-20220525

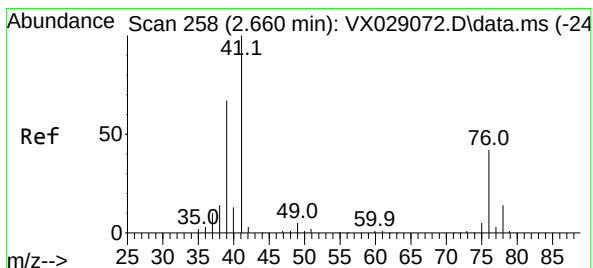
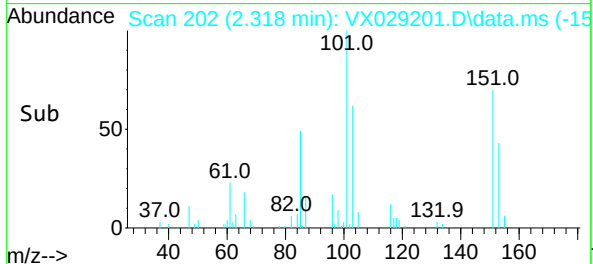
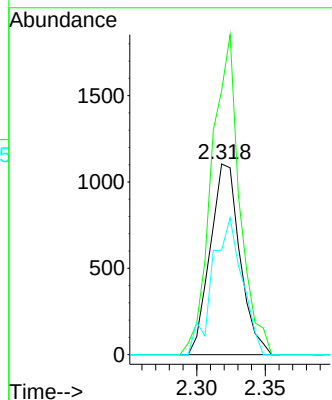
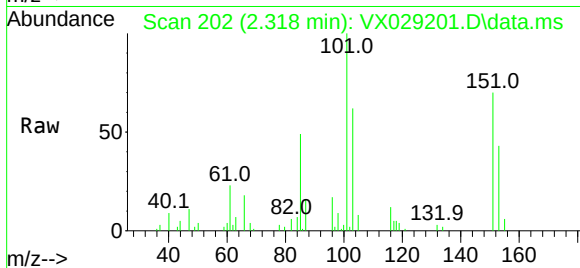
Tgt Ion: 96 Resp: 1666

Ion Ratio Lower Upper

96 100

61 138.6 124.6 187.0

98 54.8 51.0 76.4



#14

Allyl chloride

Concen: 0.712 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.116 min

Lab File: VX029201.D

Acq: 03 Jun 2022 19:32

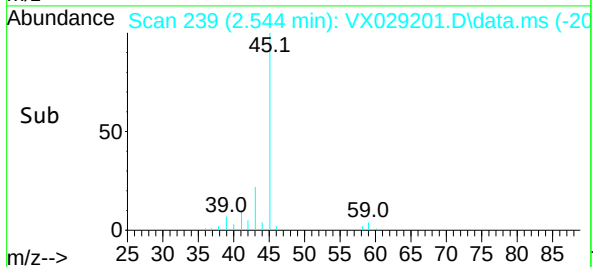
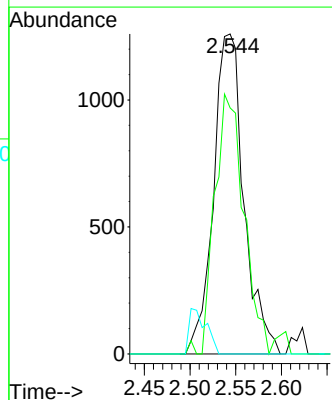
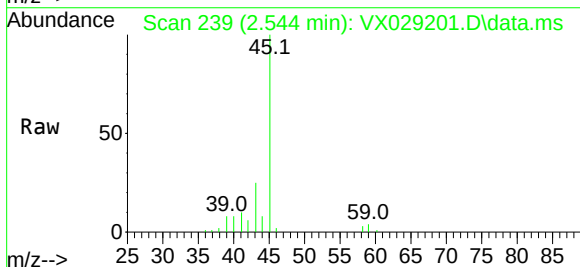
Tgt Ion: 41 Resp: 2915

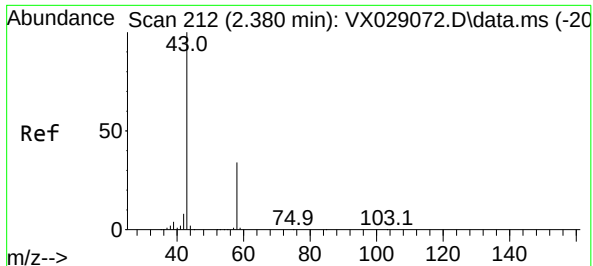
Ion Ratio Lower Upper

41 100

39 78.0 50.4 75.6#

76 0.0 32.7 49.1#

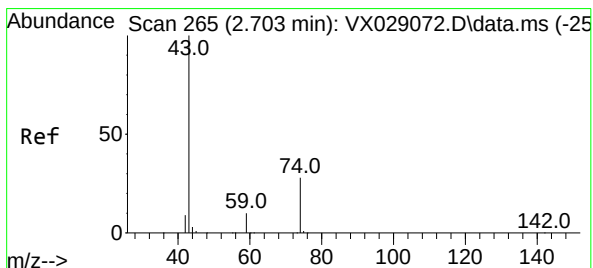
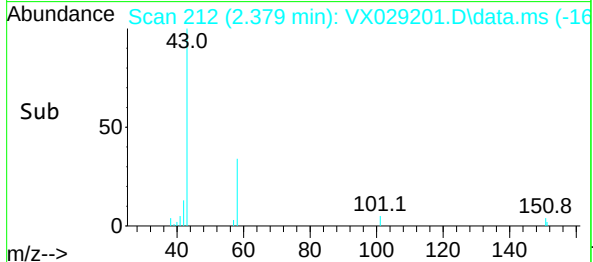
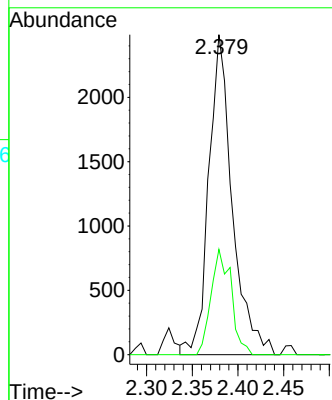
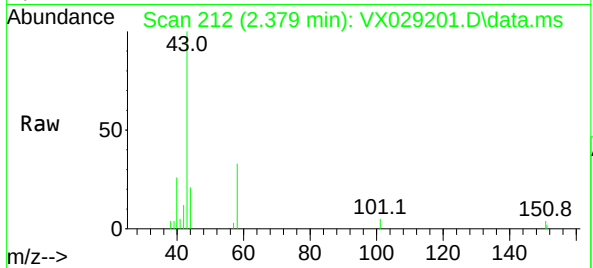




#16
Acetone
Concen: 3.302 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

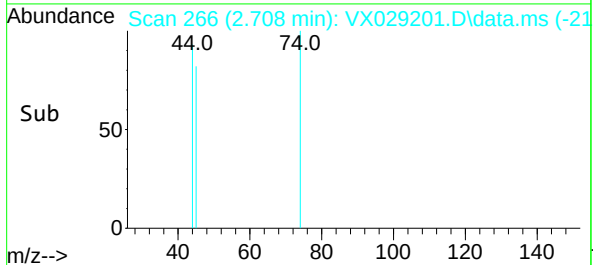
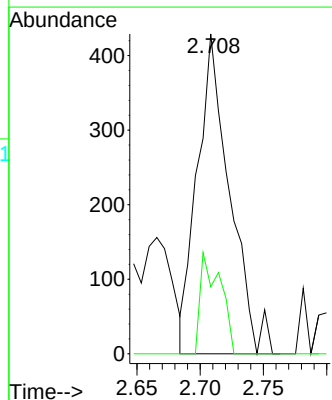
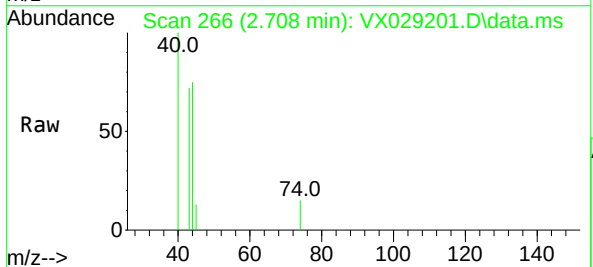
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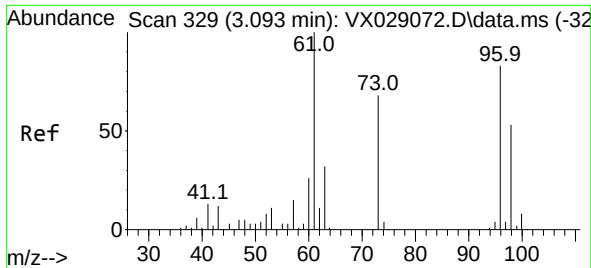
Tgt Ion: 43 Resp: 4436
Ion Ratio Lower Upper
43 100
58 32.9 28.8 43.2



#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.005 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 19.6 22.8 34.2#

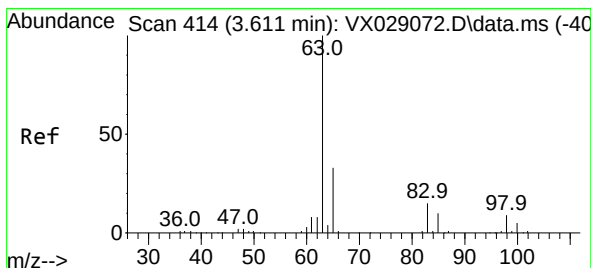
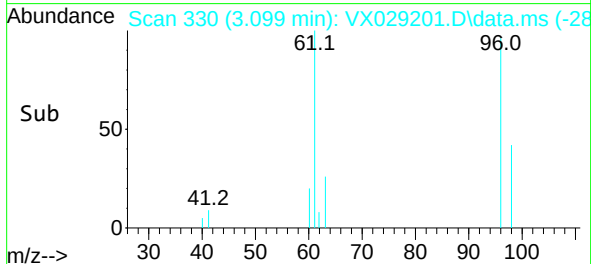
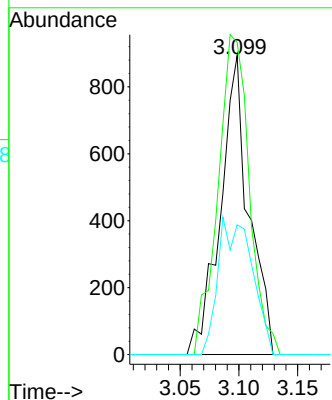
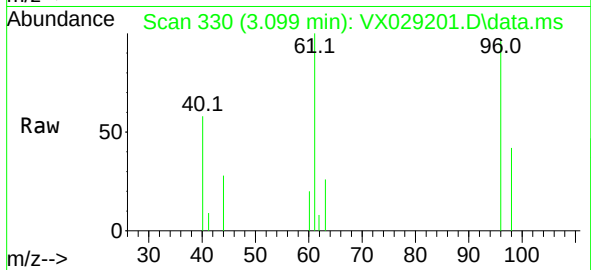




#21
trans-1,2-Dichloroethene
Concen: 0.491 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

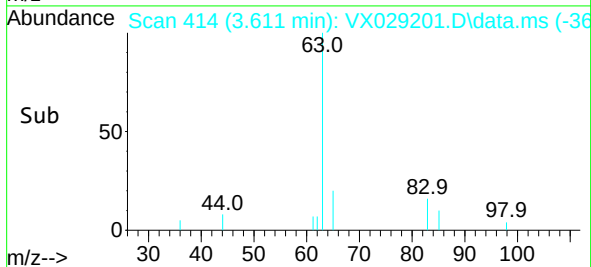
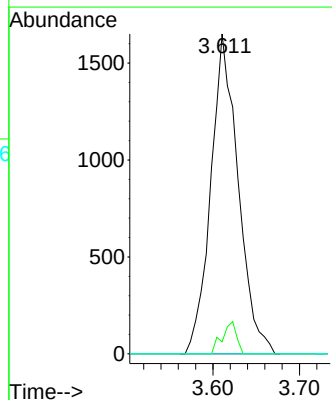
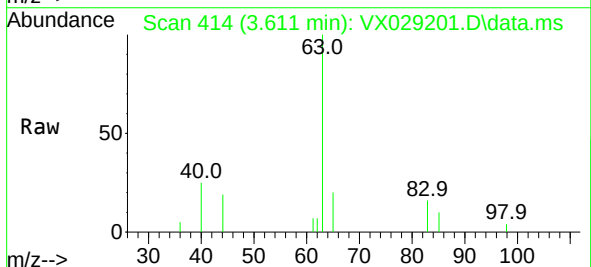
Instrument :
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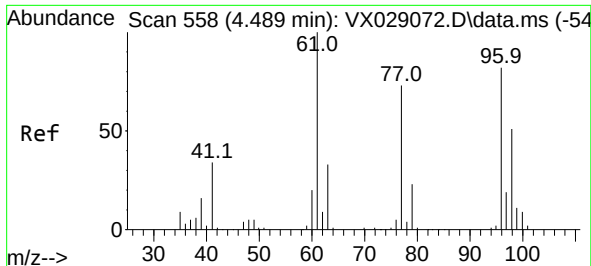
Tgt Ion: 96 Resp: 1511
Ion Ratio Lower Upper
96 100
61 104.4 105.4 158.2#
98 43.4 50.0 75.0#



#24
1,1-Dichloroethane
Concen: 0.716 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 63 Resp: 3630
Ion Ratio Lower Upper
63 100
98 3.8 3.9 11.7#
100 0.0 2.4 7.2#

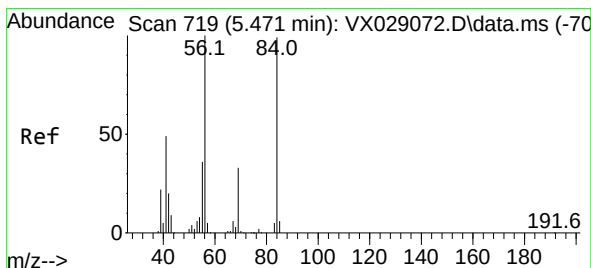
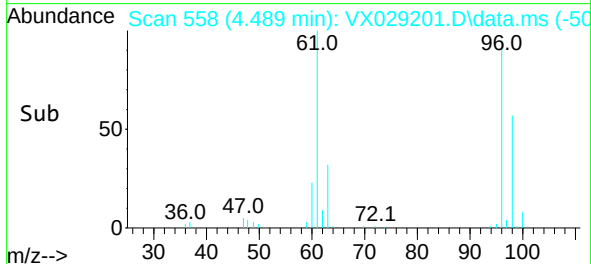
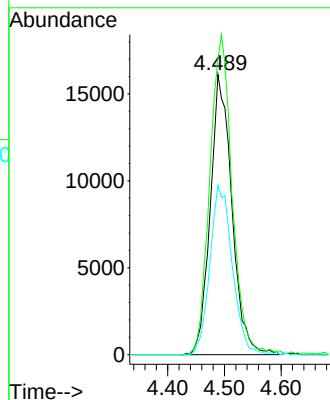
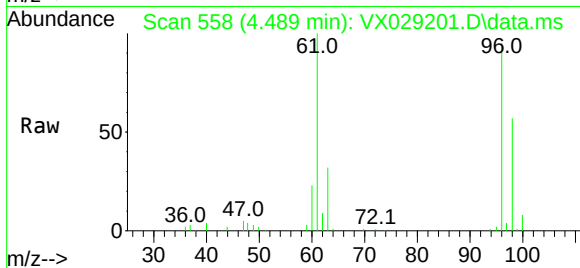




#27
 cis-1,2-Dichloroethene
 Concen: 11.614 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX029201.D
 Acq: 03 Jun 2022 19:32

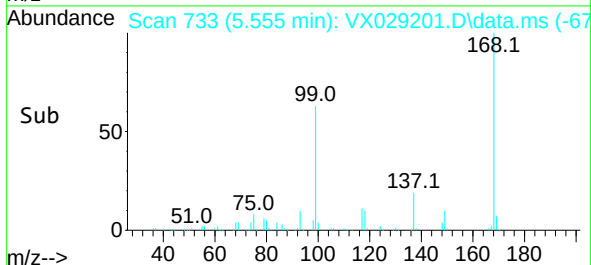
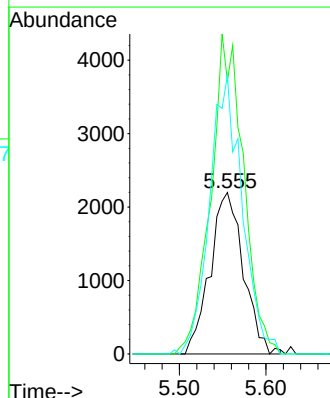
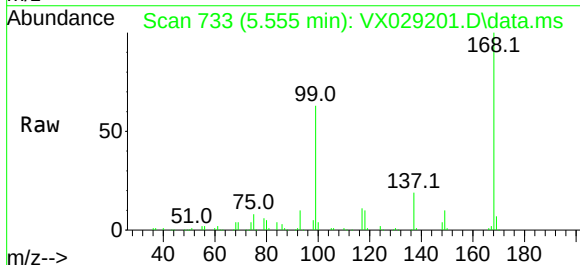
Instrument :
 MSVOA_X
 ClientSampleId :
 08BR-20220525

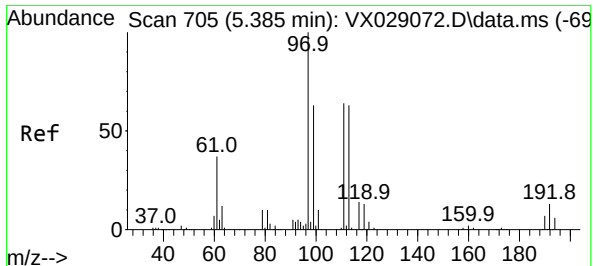
Tgt Ion: 96 Resp: 42608
 Ion Ratio Lower Upper
 96 100
 61 118.0 0.0 283.8
 98 62.5 0.0 129.8



#31
 Cyclohexane
 Concen: 1.328 ug/l
 RT: 5.555 min Scan# 733
 Delta R.T. 0.084 min
 Lab File: VX029201.D
 Acq: 03 Jun 2022 19:32

Tgt Ion: 56 Resp: 5890
 Ion Ratio Lower Upper
 56 100
 69 169.0 26.7 40.1#
 84 172.7 77.2 115.8#

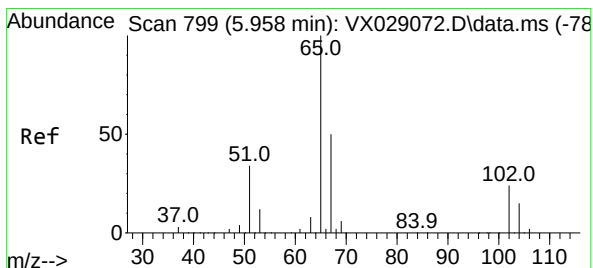
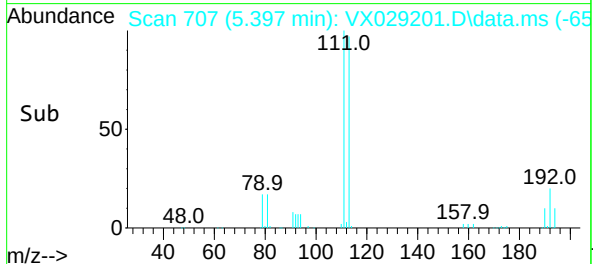
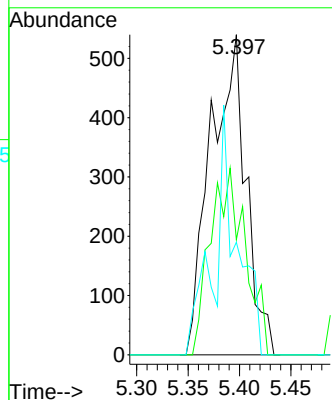
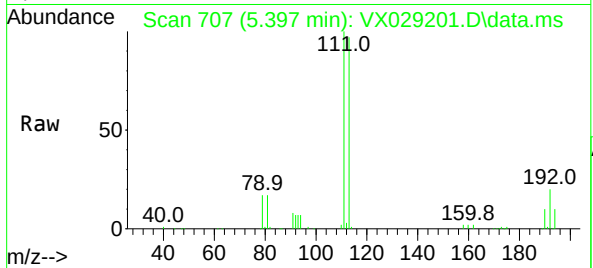




#32
1,1,1-Trichloroethane
Concen: 0.254 ug/l
RT: 5.397 min Scan# 705
Delta R.T. 0.012 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

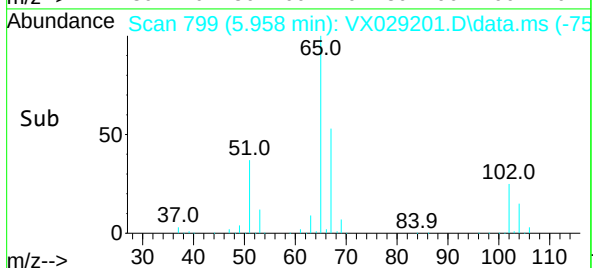
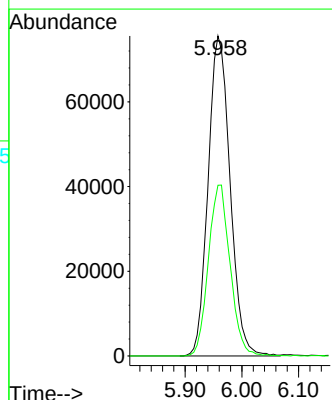
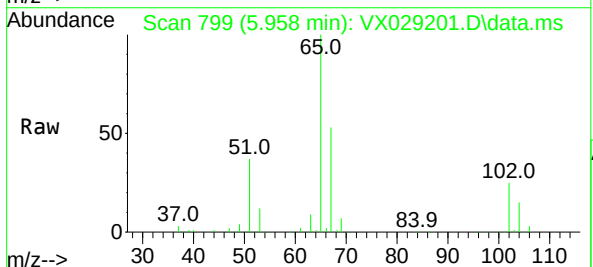
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

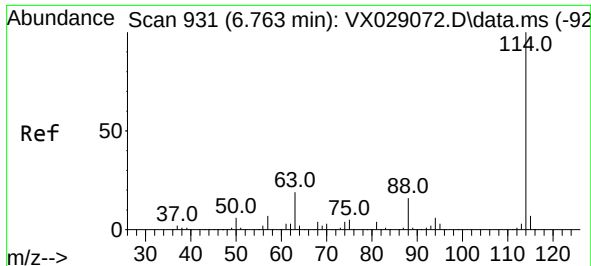
Tgt Ion: 97 Resp: 1293
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 50.3 34.0 51.0



#33
1,2-Dichloroethane-d4
Concen: 59.714 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 65 Resp: 203725
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4

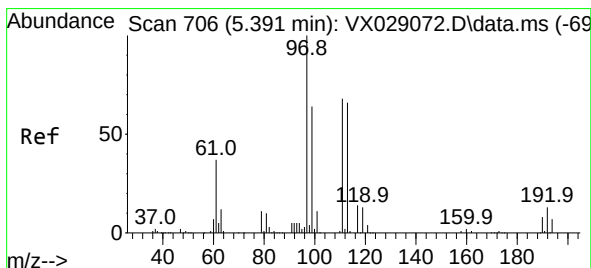
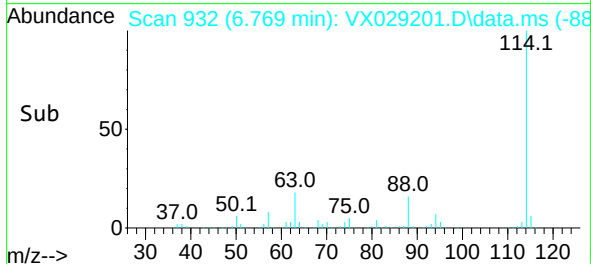
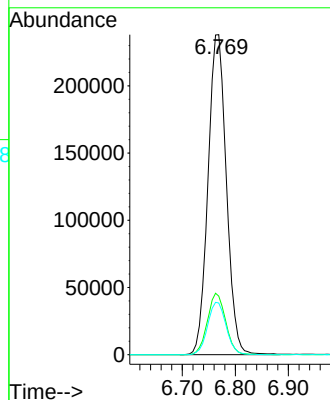
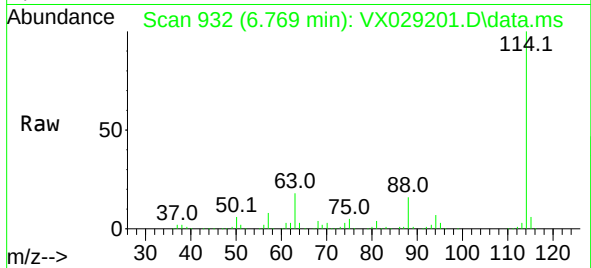




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

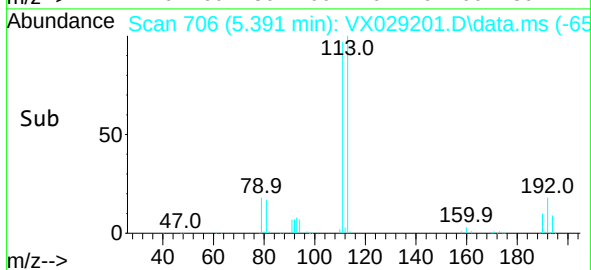
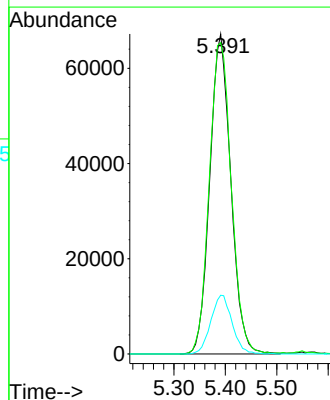
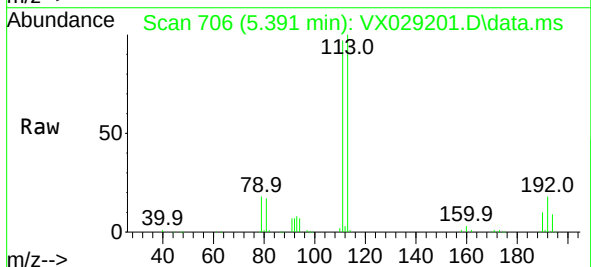
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

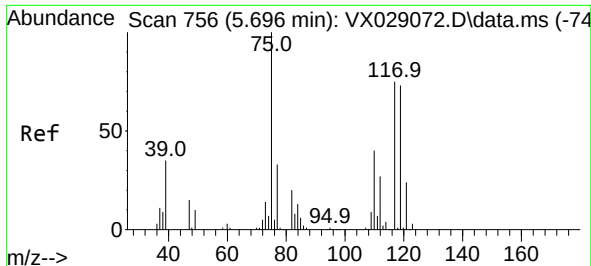
Tgt Ion:114 Resp: 573406
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.136 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion:113 Resp: 190951
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 18.5 16.9 25.3

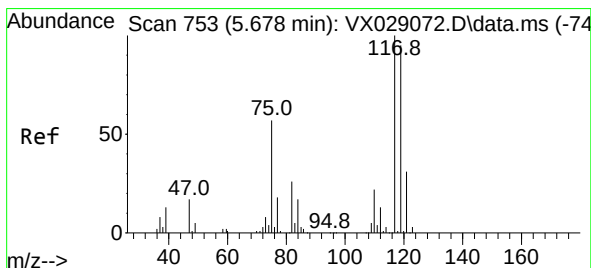
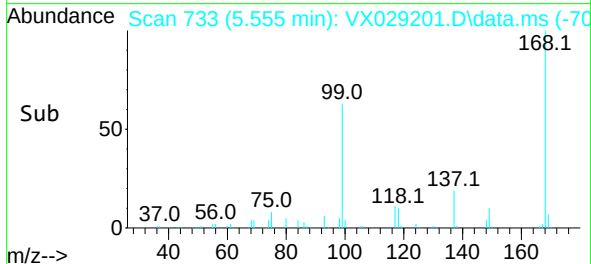
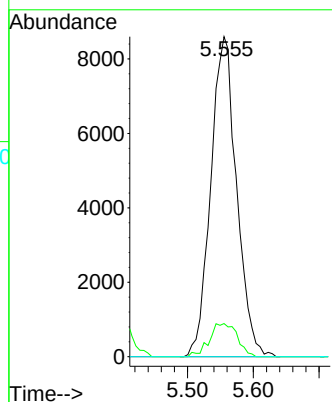
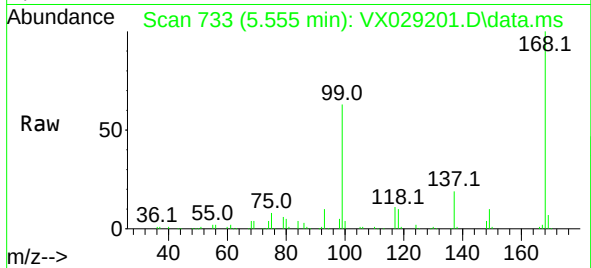




#36
1,1-Dichloropropene
Concen: 4.795 ug/l
RT: 5.555 min Scan# 711
Delta R.T. -0.141 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

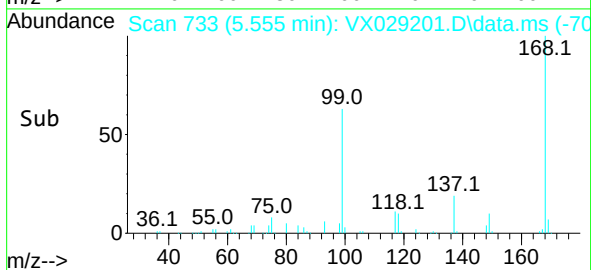
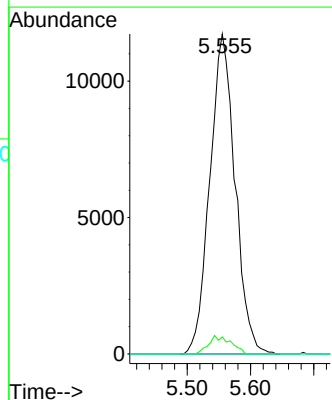
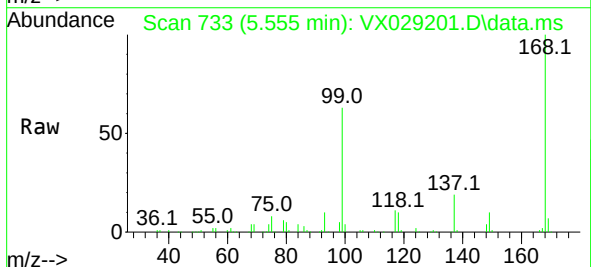
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

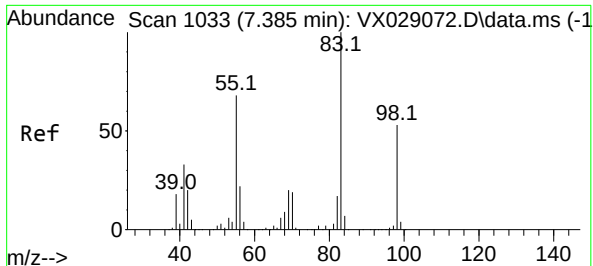
Tgt Ion: 75 Resp: 23499
Ion Ratio Lower Upper
75 100
110 11.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.123 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 117 Resp: 32445
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 1.400 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.257 min

Lab File: VX029201.D

Acq: 03 Jun 2022 19:32

Instrument :

MSVOA_X

ClientSampleId :

08BR-20220525

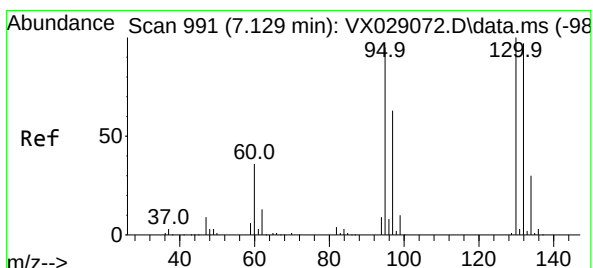
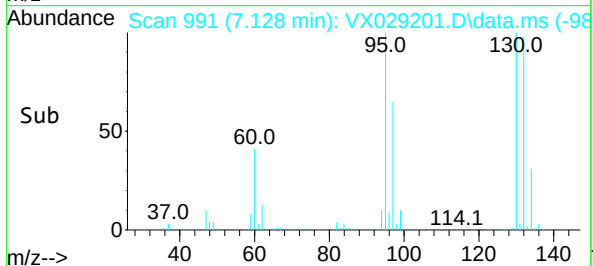
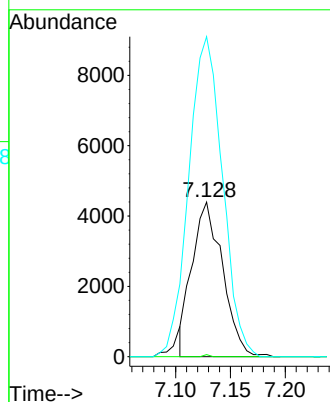
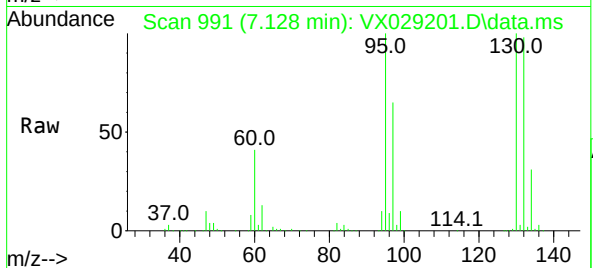
Tgt Ion: 83 Resp: 8484

Ion Ratio Lower Upper

83 100

55 1.4 54.6 81.8#

98 207.1 37.4 56.2#



#44

Trichloroethene

Concen: 179.479 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.001 min

Lab File: VX029201.D

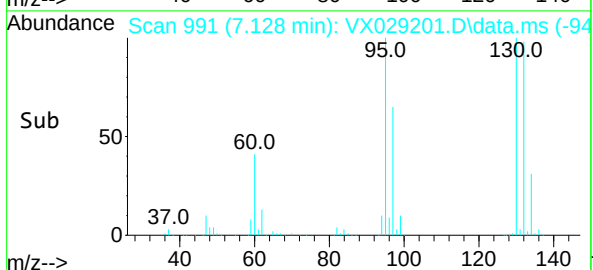
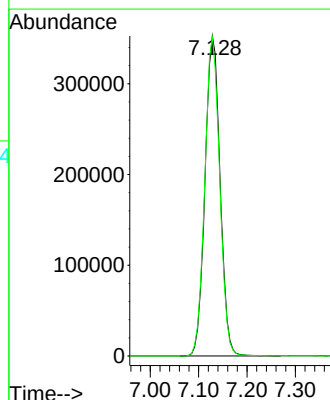
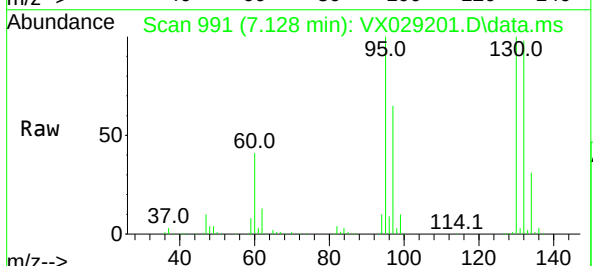
Acq: 03 Jun 2022 19:32

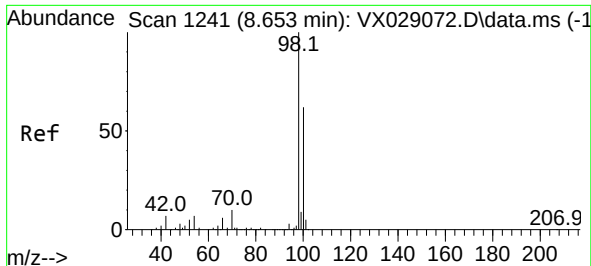
Tgt Ion:130 Resp: 764464

Ion Ratio Lower Upper

130 100

95 99.7 0.0 188.8

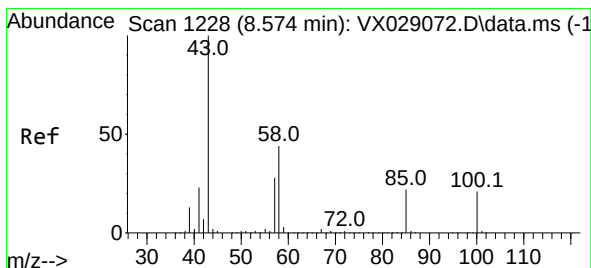
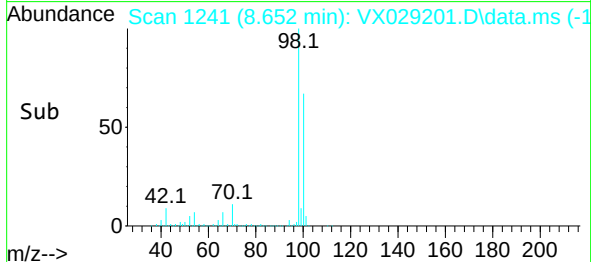
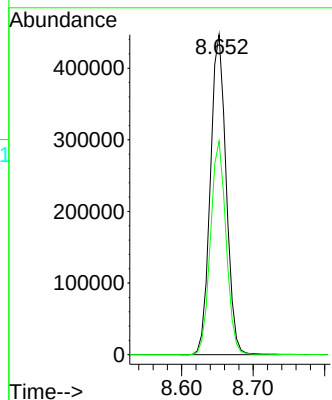
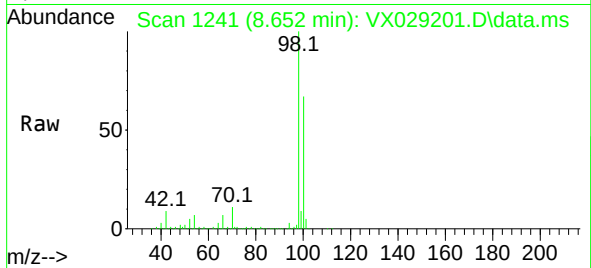




#50
Toluene-d8
Concen: 49.160 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

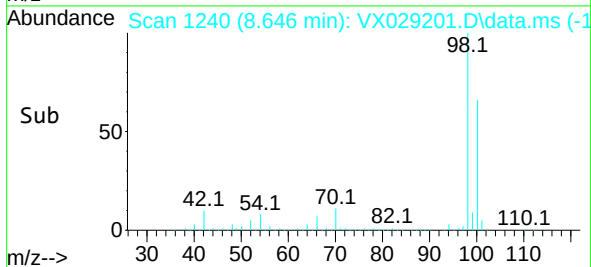
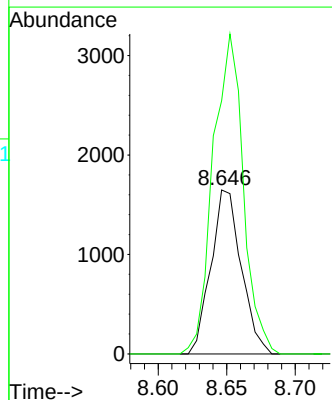
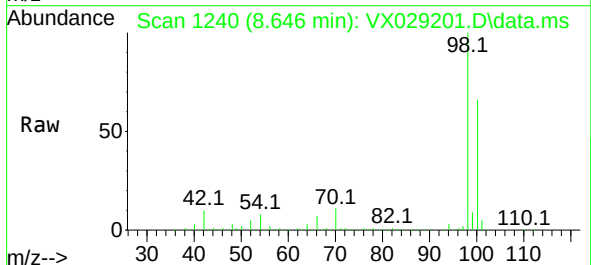
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

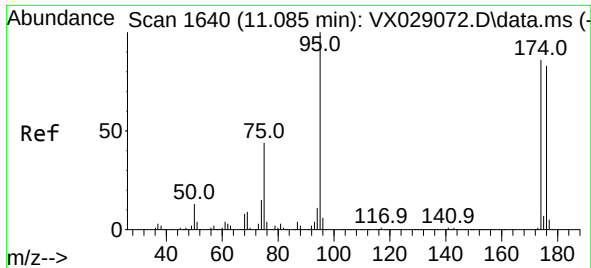
Tgt Ion: 98 Resp: 684793
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.072 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 43 Resp: 2536
Ion Ratio Lower Upper
43 100
58 194.4 36.1 54.1#

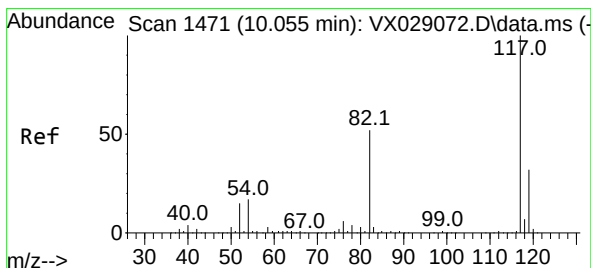
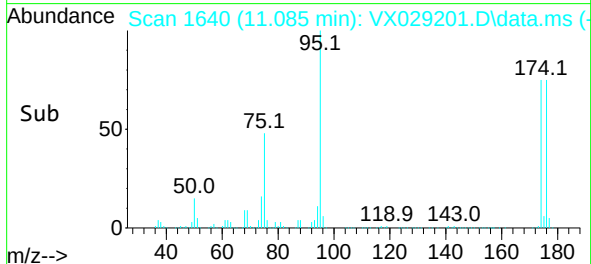
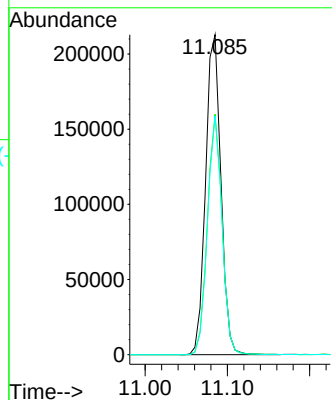
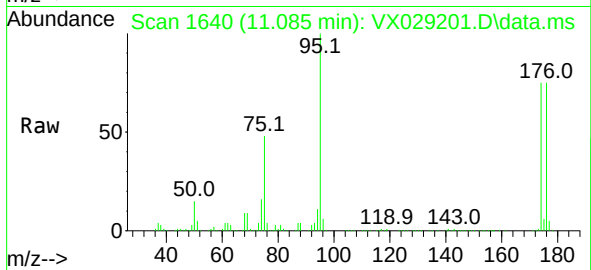




#62
4-Bromofluorobenzene
Concen: 51.161 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

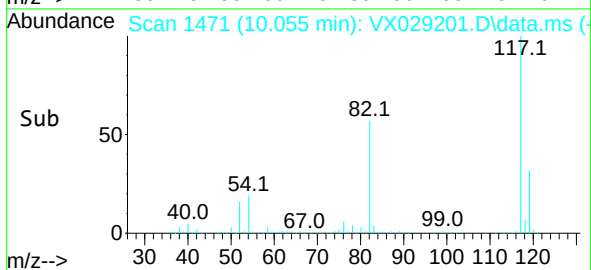
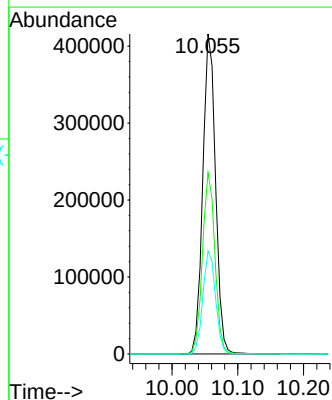
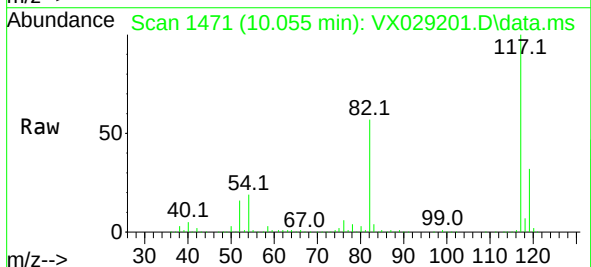
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

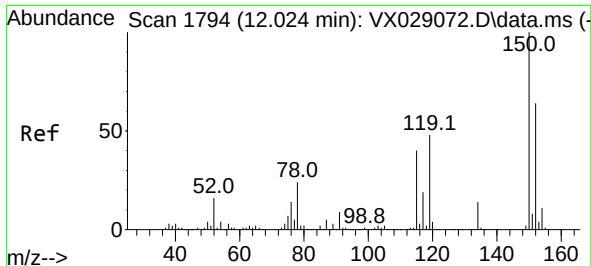
Tgt Ion: 95 Resp: 275487
Ion Ratio Lower Upper
95 100
174 72.4 0.0 163.0
176 70.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 117 Resp: 559963
Ion Ratio Lower Upper
117 100
82 56.7 41.8 62.8
119 32.2 24.8 37.2

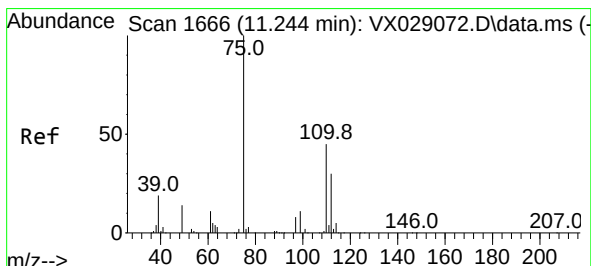
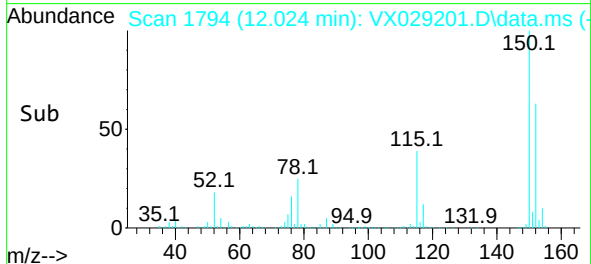
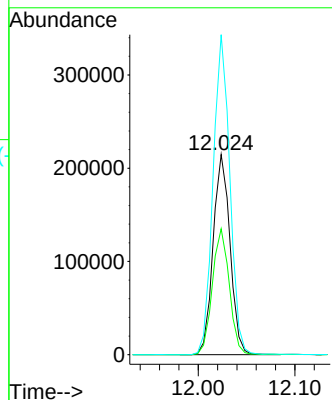
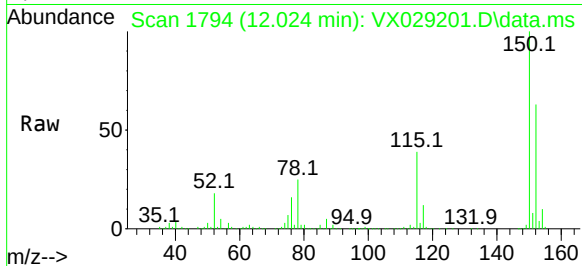




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

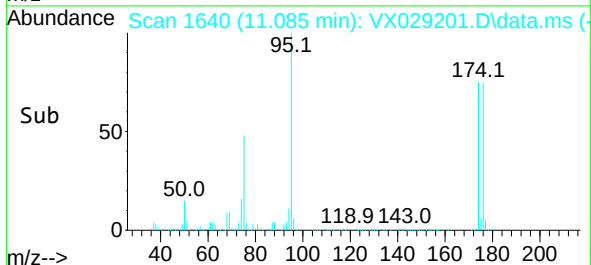
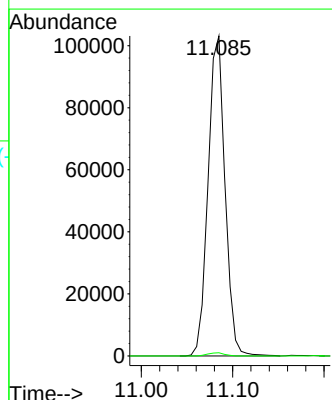
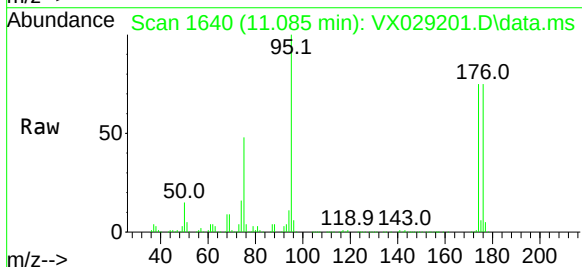
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

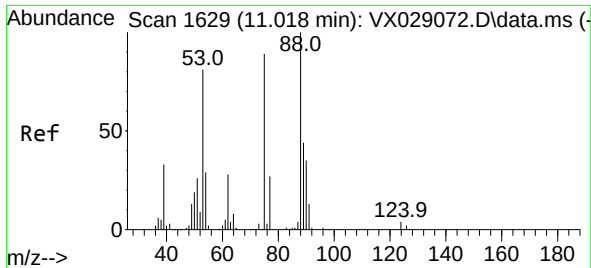
Tgt Ion:152 Resp: 260919
Ion Ratio Lower Upper
152 100
115 62.9 37.5 112.7
150 158.8 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.038 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029201.D
Acq: 03 Jun 2022 19:32

Tgt Ion: 75 Resp: 132431
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.456 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029201.D
 Acq: 03 Jun 2022 19:32

Instrument :
 MSVOA_X
 ClientSampleId :
 08BR-20220525

Tgt Ion: 75 Resp: 132431
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

