

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029146.D
 Acq On : 02 Jun 2022 19:26
 Operator : JC/MD
 Sample : N3022-04 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 45BR-20220525

Quant Time: Jun 03 04:33:51 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	293338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	542056	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	524738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	240742	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	193903	58.620	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 117.240%	
35) Dibromofluoromethane	5.391	113	180995	50.270	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.540%	
50) Toluene-d8	8.653	98	646424	49.089	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.180%	
62) 4-Bromofluorobenzene	11.079	95	252797	49.663	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.320%	

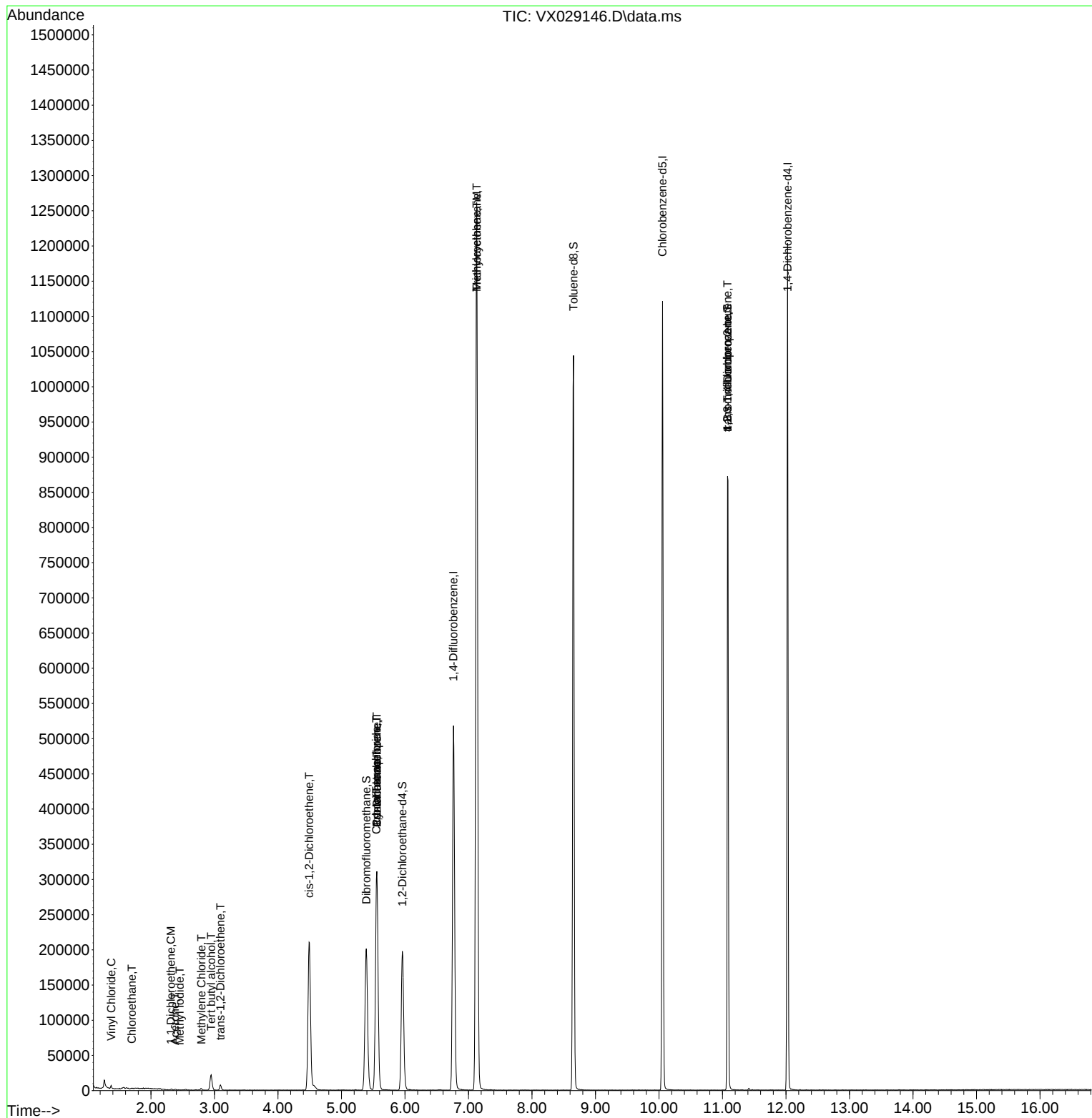
Target Compounds			Qvalue			
4) Vinyl Chloride	1.374	62	2641	0.900	ug/l #	81
5) Bromomethane	1.612	94	717	Below Cal		83
6) Chloroethane	1.697	64	557	1.615	ug/l #	43
10) Methyl Iodide	2.453	142	369	4.329	ug/l #	49
11) Tert butyl alcohol	2.947	59	12302	16.054	ug/l #	74
12) 1,1-Dichloroethene	2.313	96	540	0.204	ug/l	89
16) Acetone	2.380	43	1214	0.932	ug/l #	80
20) Methylene Chloride	2.794	84	1097	0.361	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	3409	1.143	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	142704	40.118	ug/l	87
31) Cyclohexane	5.556	56	5757	1.339	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22543	4.866	ug/l #	49
38) Carbon Tetrachloride	5.550	117	31208	5.895	ug/l #	15
39) Methylcyclohexane	7.129	83	5629	0.983	ug/l #	1
44) Trichloroethene	7.129	130	506957	125.693	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	122571	25.116	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	122571	73.685	ug/l #	15

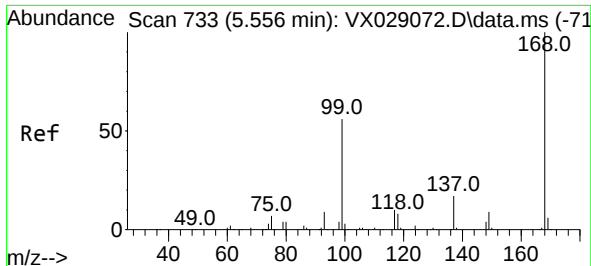
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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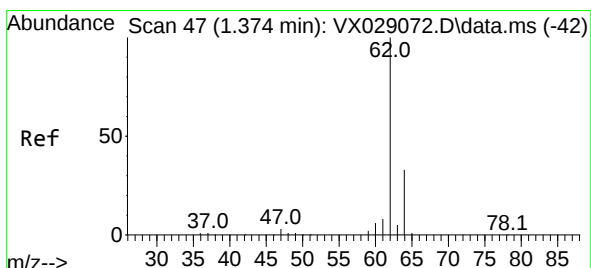
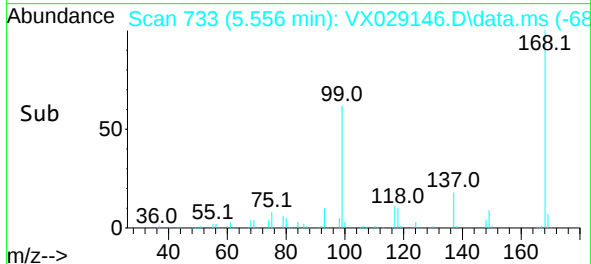
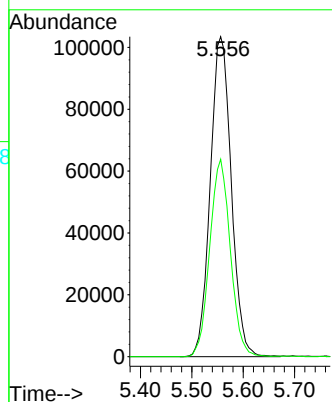
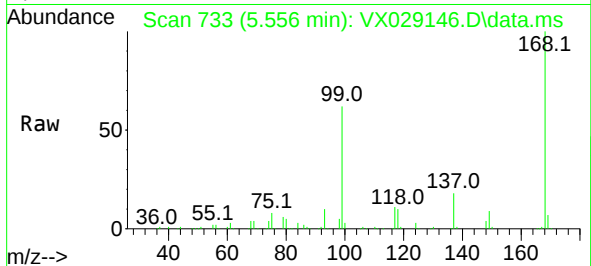




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

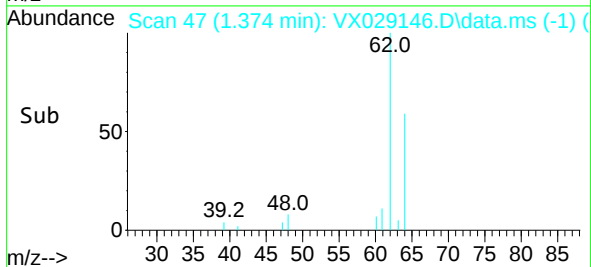
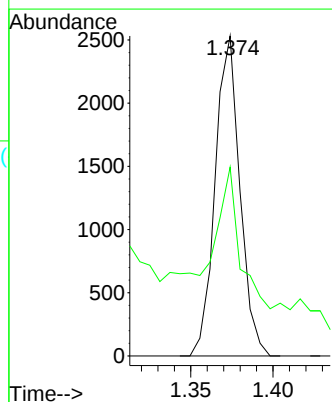
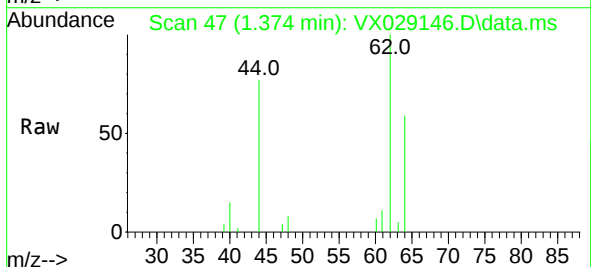
Instrument :
MSVOA_X
ClientSampleId :
45BR-20220525

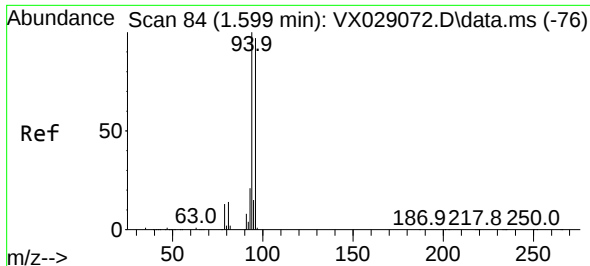
Tgt Ion:168 Resp: 293338
Ion Ratio Lower Upper
168 100
99 61.7 41.7 62.5



#4
Vinyl Chloride
Concen: 0.900 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Tgt Ion: 62 Resp: 2641
Ion Ratio Lower Upper
62 100
64 42.5 25.5 38.3#

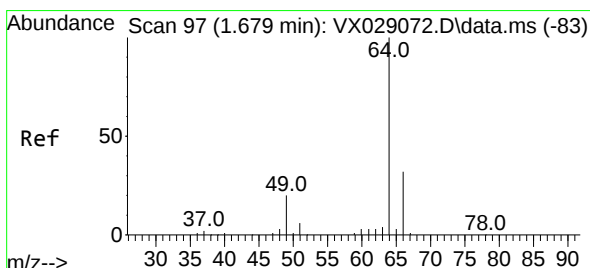
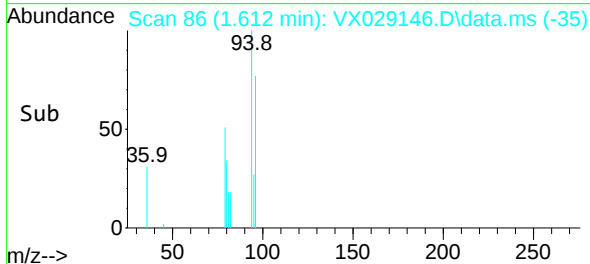
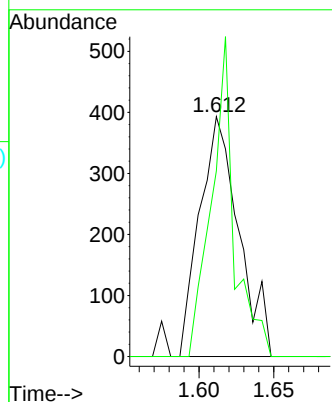
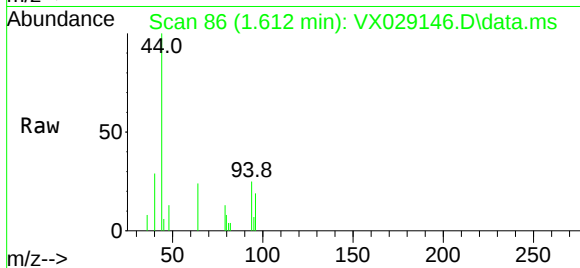




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

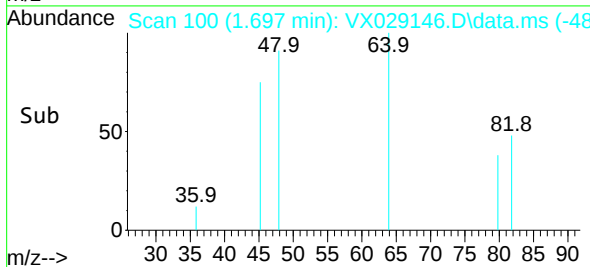
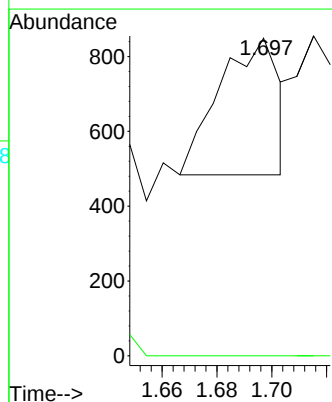
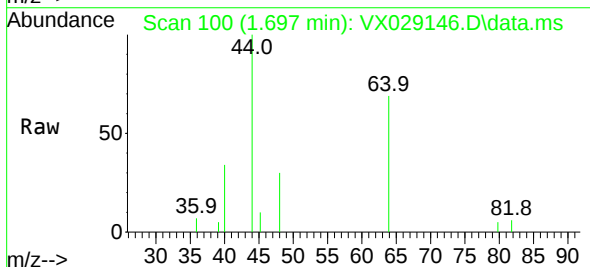
Instrument :
MSVOA_X
ClientSampleId :
45BR-20220525

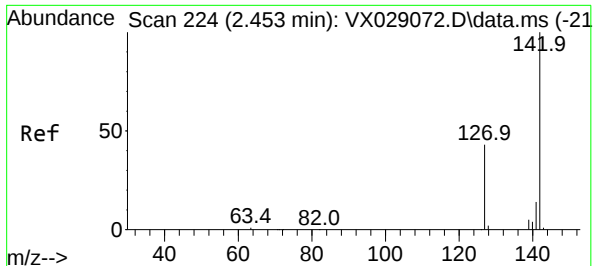
Tgt Ion: 94 Resp: 717
Ion Ratio Lower Upper
94 100
96 77.4 75.3 112.9



#6
Chloroethane
Concen: 1.615 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

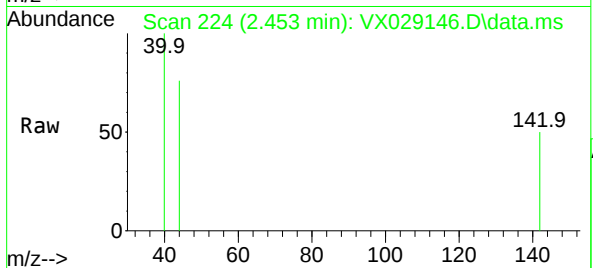
Tgt Ion: 64 Resp: 557
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



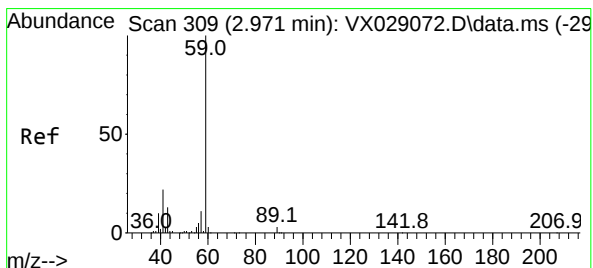
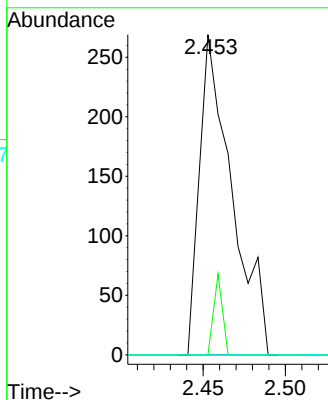
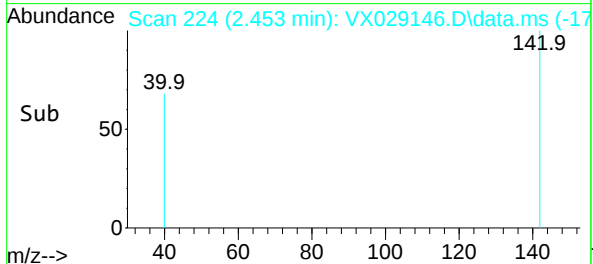


#10
Methyl Iodide
Concen: 4.329 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Instrument :
MSVOA_X
ClientSampleId :
45BR-20220525

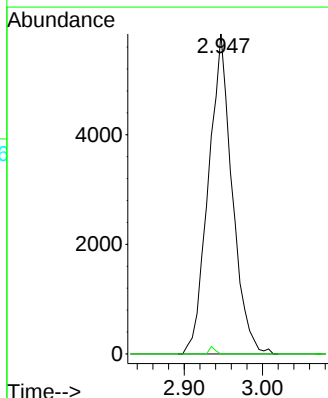
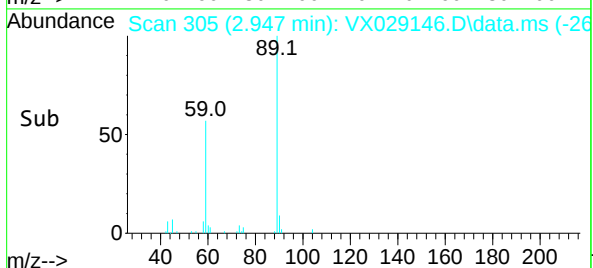
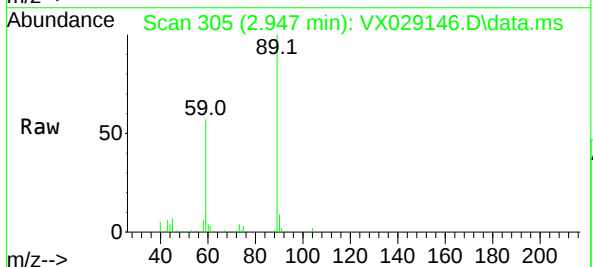


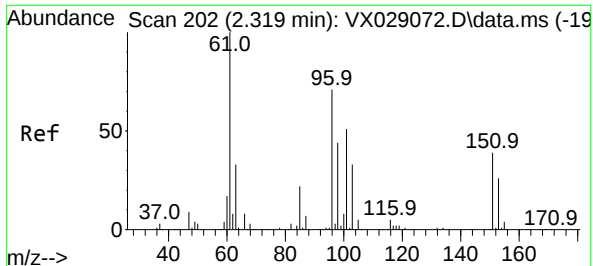
Tgt Ion:142 Resp: 369
Ion Ratio Lower Upper
142 100
127 6.8 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 16.054 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Tgt Ion: 59 Resp: 12302
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.204 ug/l

RT: 2.313 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX029146.D

Acq: 02 Jun 2022 19:26

Instrument :

MSVOA_X

ClientSampleId :

45BR-20220525

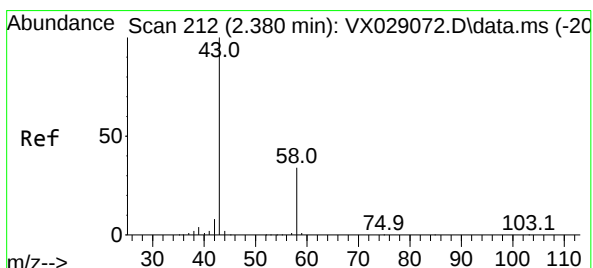
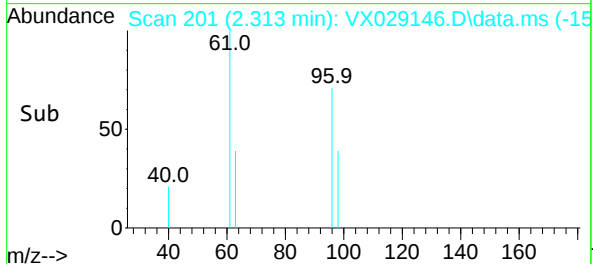
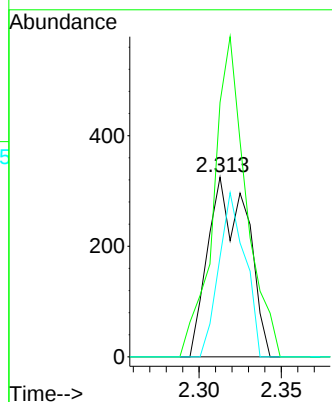
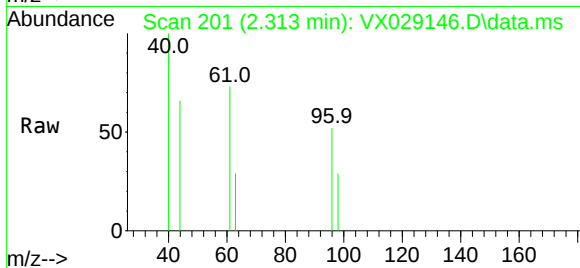
Tgt Ion: 96 Resp: 540

Ion Ratio Lower Upper

96 100

61 141.5 124.6 187.0

98 55.7 51.0 76.4



#16

Acetone

Concen: 0.932 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX029146.D

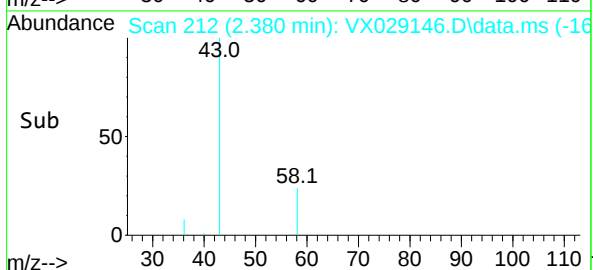
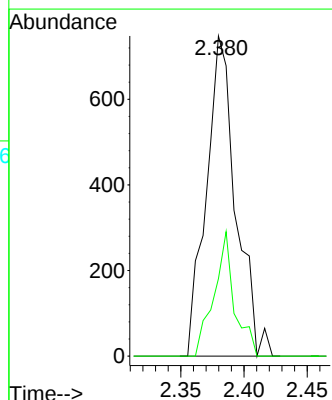
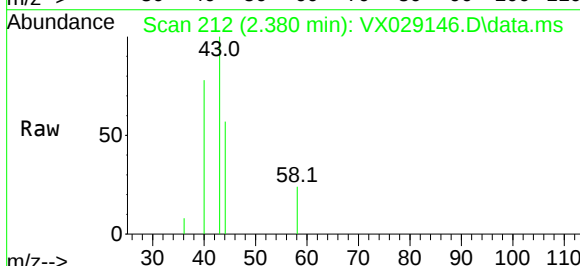
Acq: 02 Jun 2022 19:26

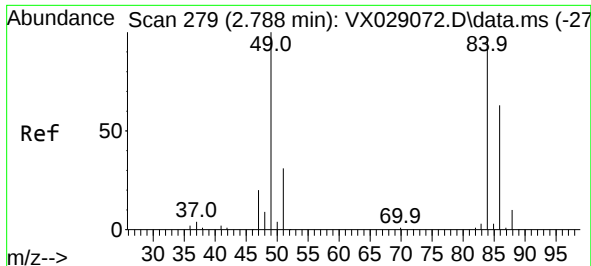
Tgt Ion: 43 Resp: 1214

Ion Ratio Lower Upper

43 100

58 24.2 28.8 43.2#

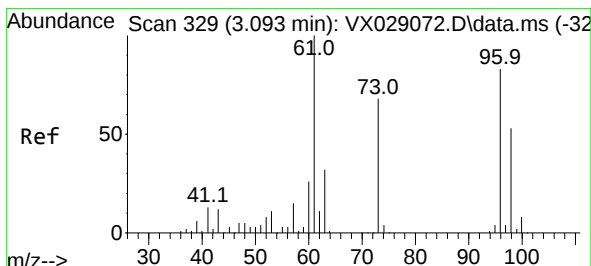
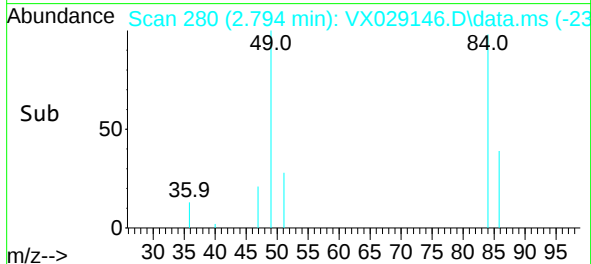
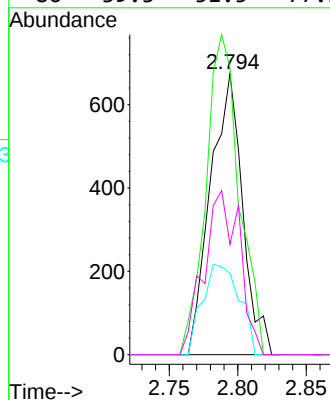
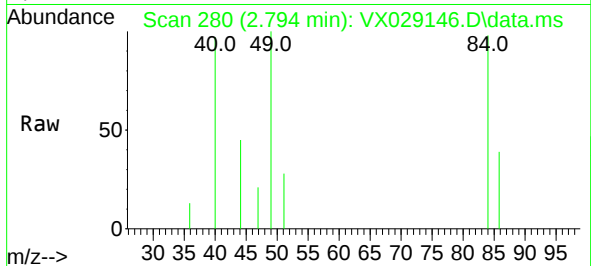




#20
Methylene Chloride
Concen: 0.361 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

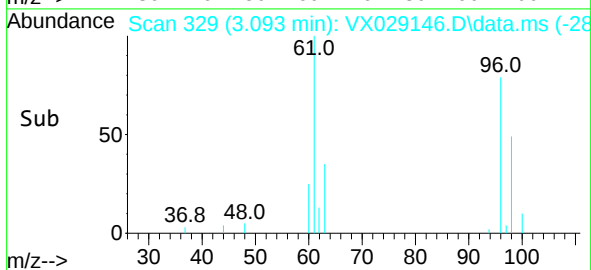
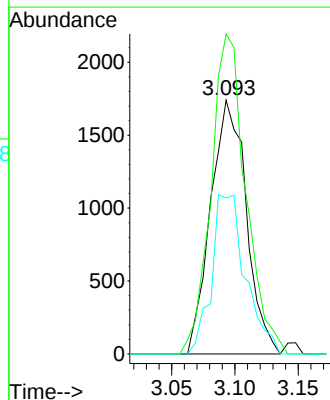
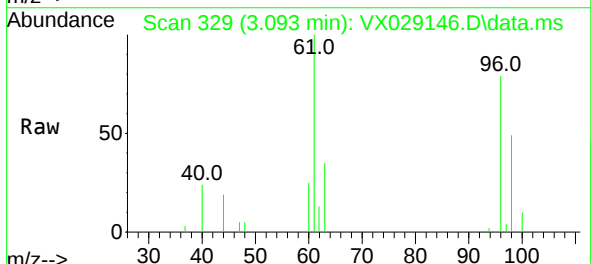
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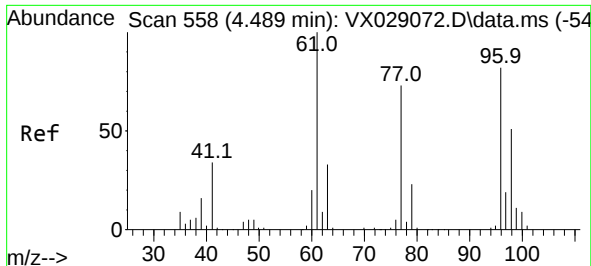
Tgt Ion: 84 Resp: 1097
Ion Ratio Lower Upper
84 100
49 102.1 85.5 128.3
51 29.1 26.6 39.8
86 39.3 51.5 77.3#



#21
trans-1,2-Dichloroethene
Concen: 1.143 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Tgt Ion: 96 Resp: 3409
Ion Ratio Lower Upper
96 100
61 126.1 105.4 158.2
98 61.4 50.0 75.0

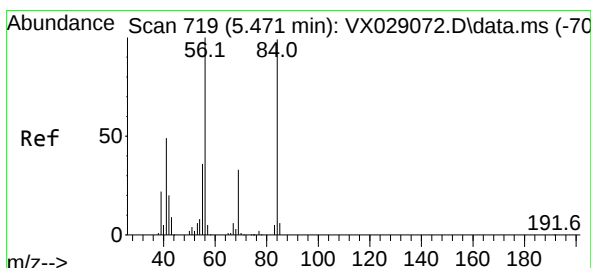
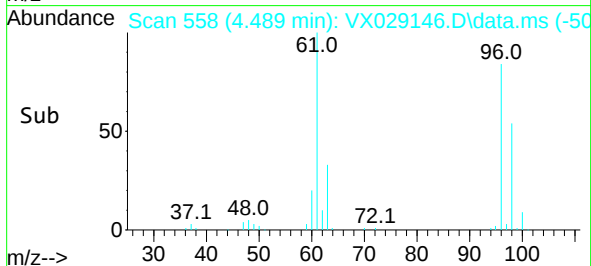
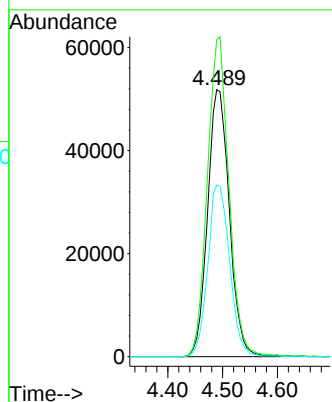
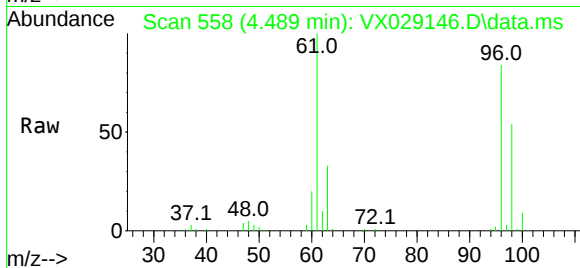




#27
 cis-1,2-Dichloroethene
 Concen: 40.118 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX029146.D
 Acq: 02 Jun 2022 19:26

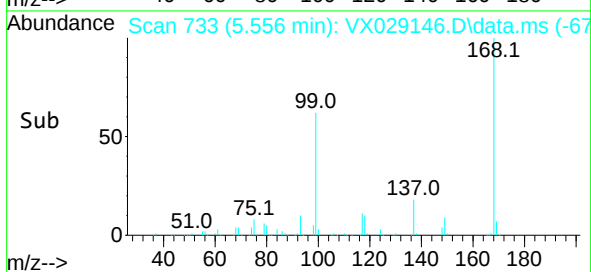
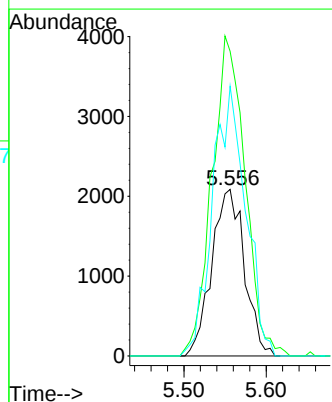
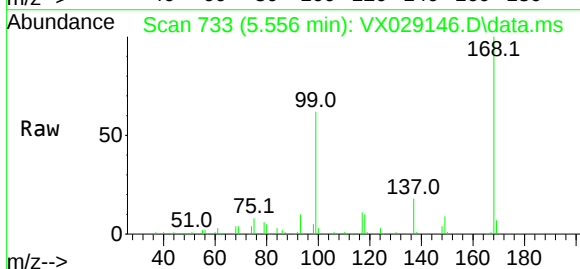
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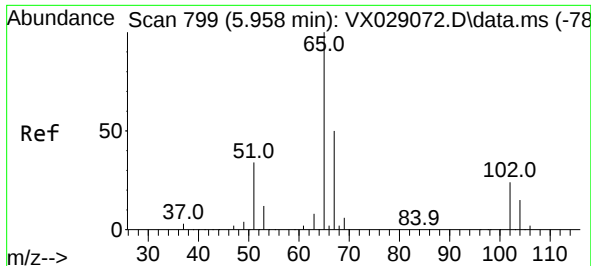
Tgt Ion: 96 Resp: 142704
 Ion Ratio Lower Upper
 96 100
 61 118.6 0.0 283.8
 98 64.5 0.0 129.8



#31
 Cyclohexane
 Concen: 1.339 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.085 min
 Lab File: VX029146.D
 Acq: 02 Jun 2022 19:26

Tgt Ion: 56 Resp: 5757
 Ion Ratio Lower Upper
 56 100
 69 182.9 26.7 40.1#
 84 161.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.620 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029146.D

Acq: 02 Jun 2022 19:26

Instrument :

MSVOA_X

ClientSampleId :

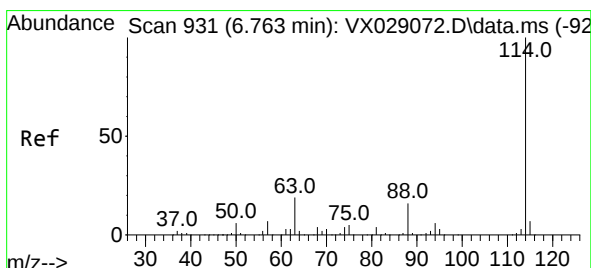
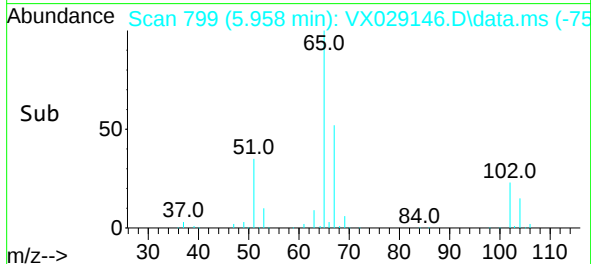
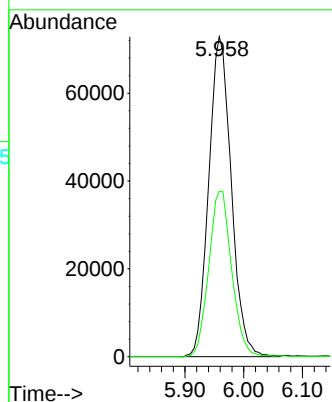
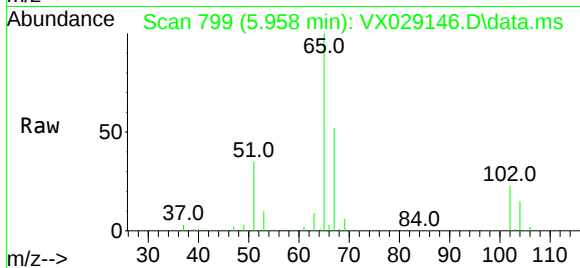
45BR-20220525

Tgt Ion: 65 Resp: 193903

Ion Ratio Lower Upper

65 100

67 52.6 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: VX029146.D

Acq: 02 Jun 2022 19:26

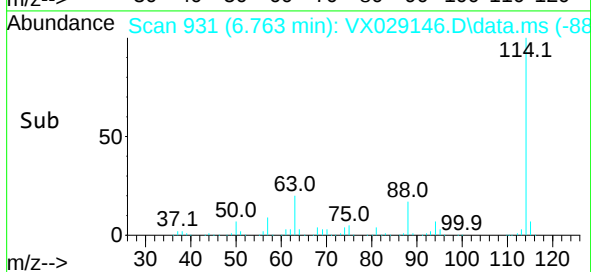
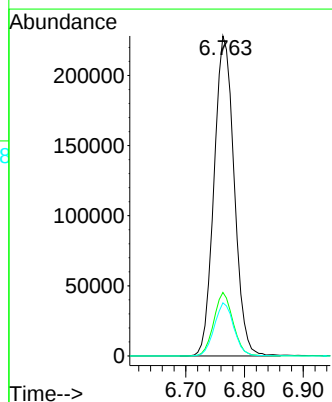
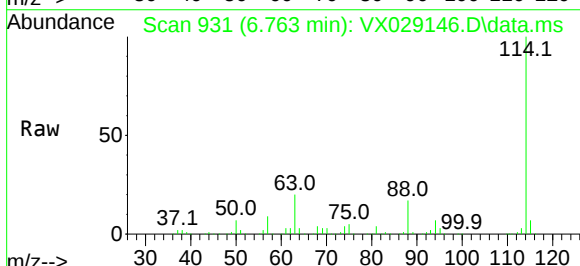
Tgt Ion: 114 Resp: 542056

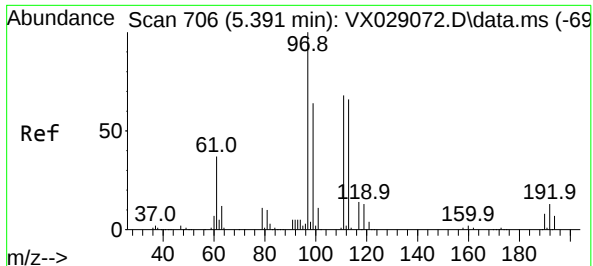
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.8

88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.270 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029146.D

Acq: 02 Jun 2022 19:26

Instrument :

MSVOA_X

ClientSampleId :

45BR-20220525

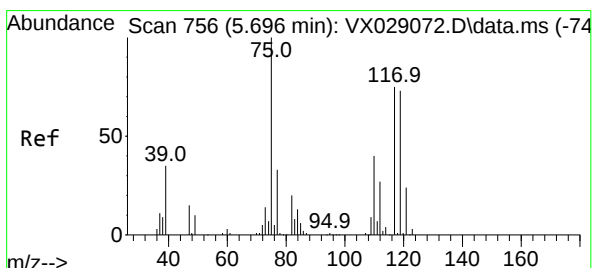
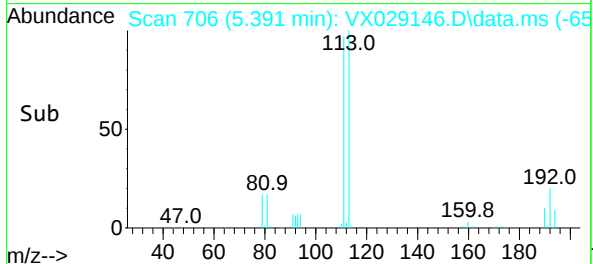
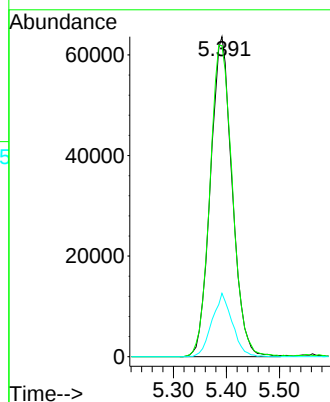
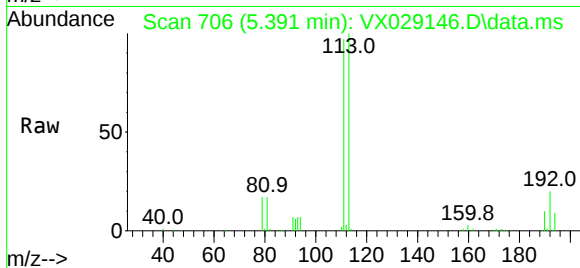
Tgt Ion:113 Resp: 180995

Ion Ratio Lower Upper

113 100

111 101.0 82.8 124.2

192 18.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029146.D

Acq: 02 Jun 2022 19:26

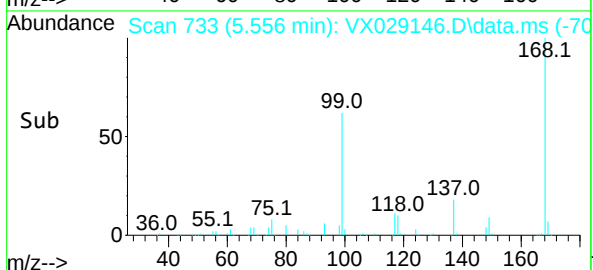
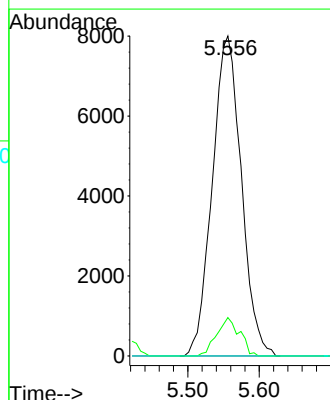
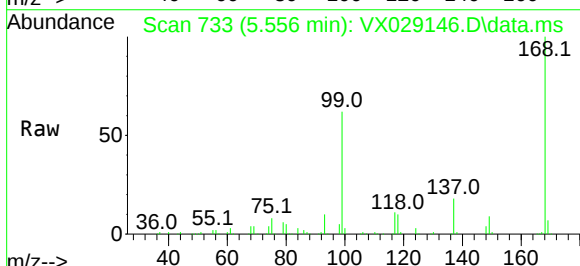
Tgt Ion: 75 Resp: 22543

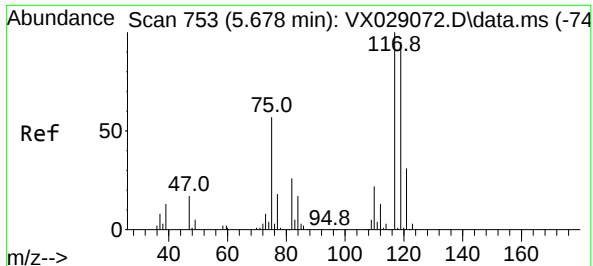
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#

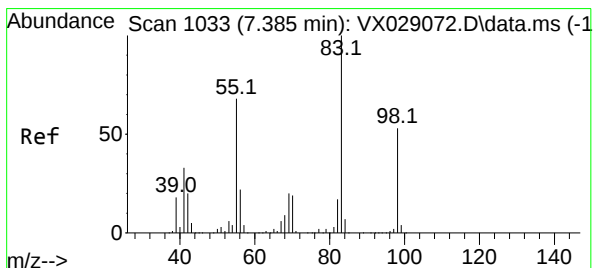
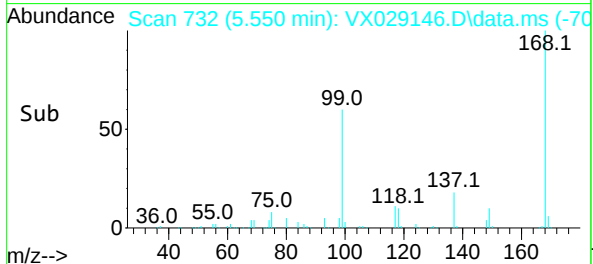
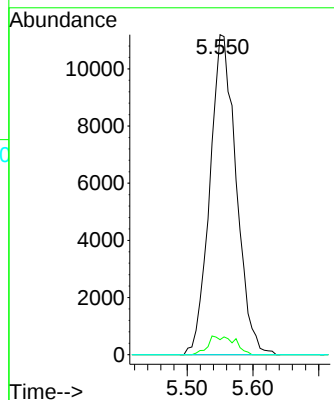
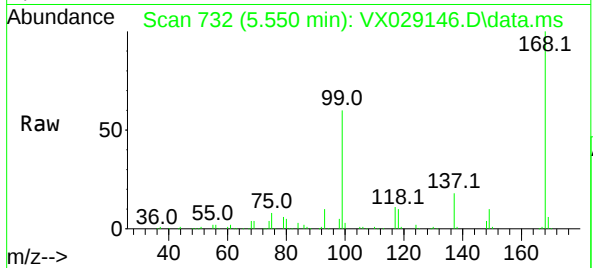




#38
Carbon Tetrachloride
Concen: 5.895 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

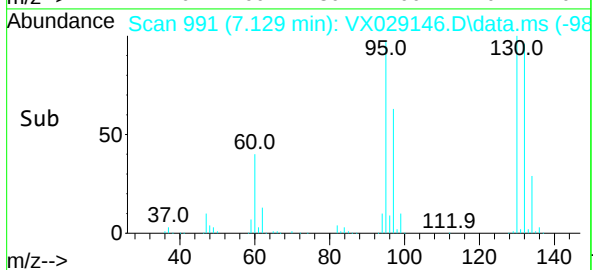
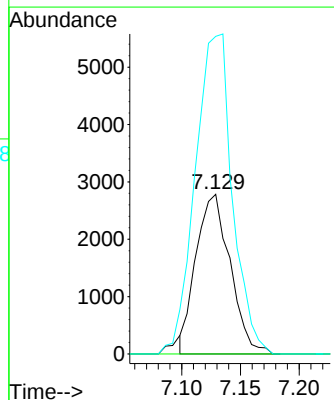
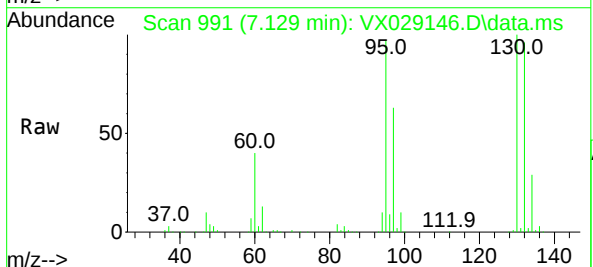
Instrument :
MSVOA_X
ClientSampleId :
45BR-20220525

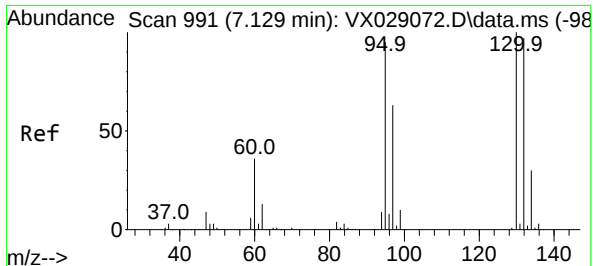
Tgt Ion:117 Resp: 31208
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.983 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Tgt Ion: 83 Resp: 5629
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 198.8 37.4 56.2#

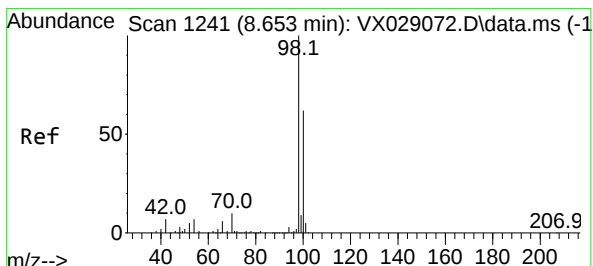
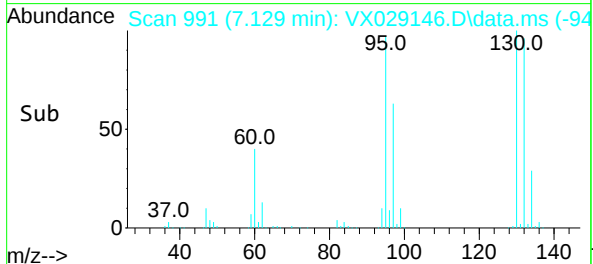
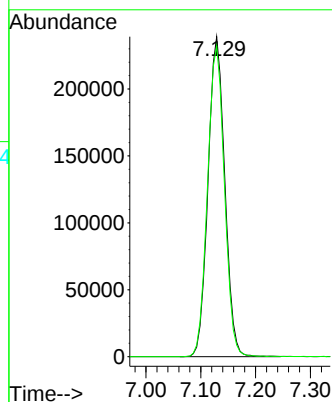
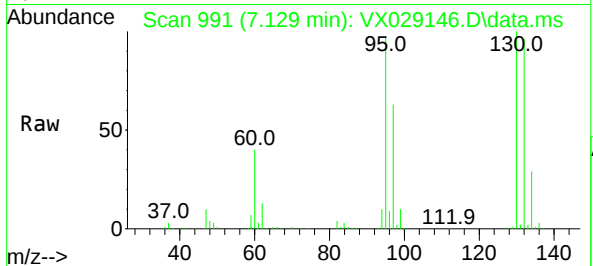




#44
Trichloroethene
Concen: 125.693 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

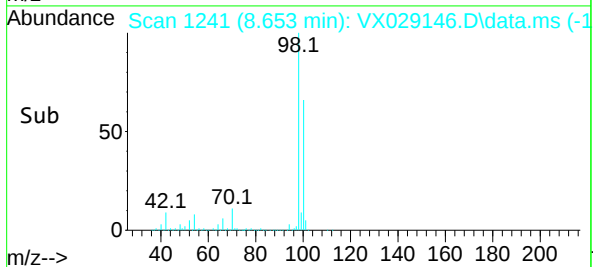
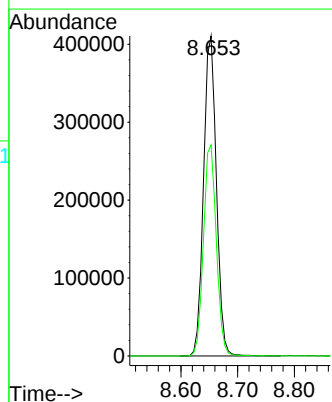
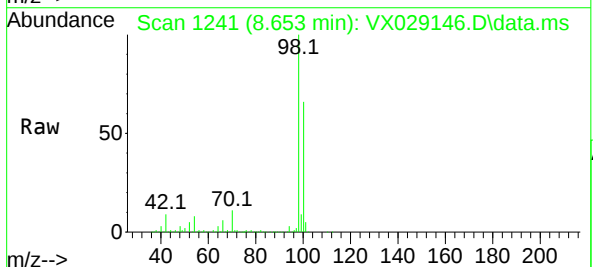
Instrument :
MSVOA_X
ClientSampleId :
45BR-20220525

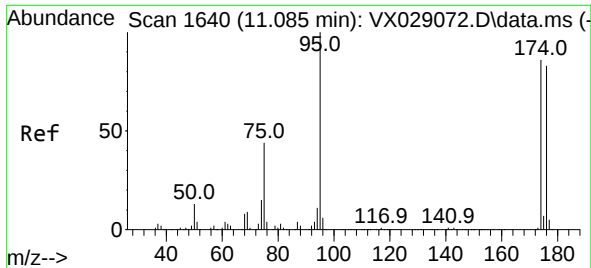
Tgt Ion:130 Resp: 506957
Ion Ratio Lower Upper
130 100
95 97.1 0.0 188.8



#50
Toluene-d8
Concen: 49.089 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Tgt Ion: 98 Resp: 646424
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

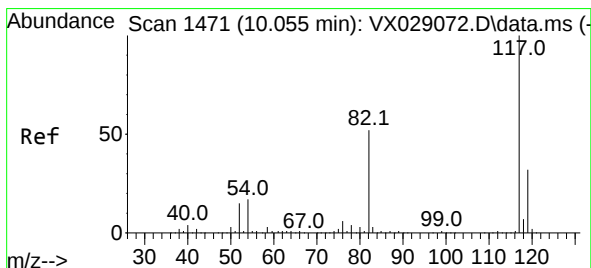
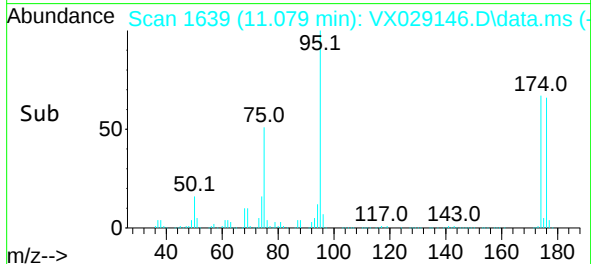
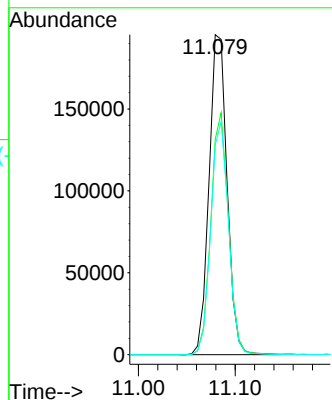
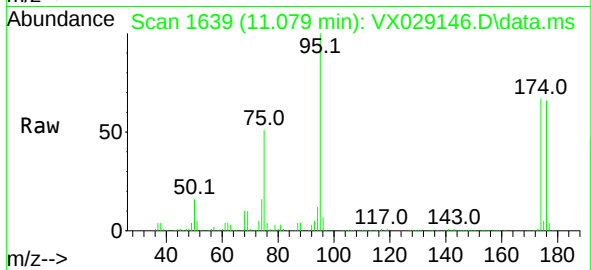




#62
4-Bromofluorobenzene
Concen: 49.663 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

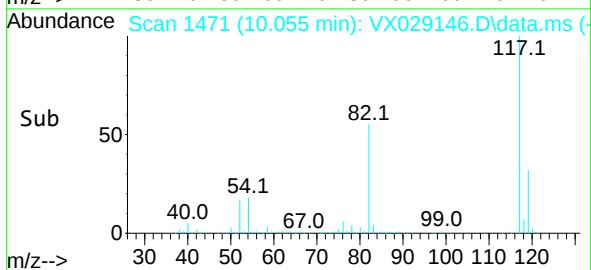
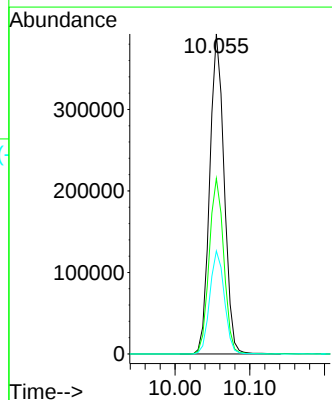
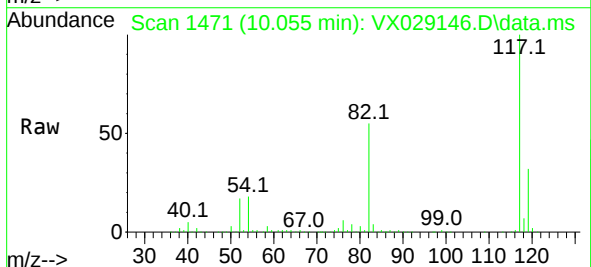
Instrument :
MSVOA_X
ClientSampleId :
45BR-20220525

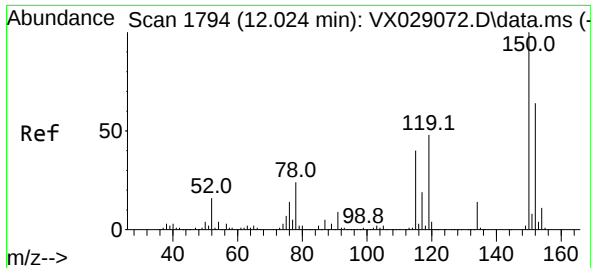
Tgt Ion: 95 Resp: 252797
Ion Ratio Lower Upper
95 100
174 73.9 0.0 163.0
176 71.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Tgt Ion: 117 Resp: 524738
Ion Ratio Lower Upper
117 100
82 54.8 41.8 62.8
119 32.2 24.8 37.2

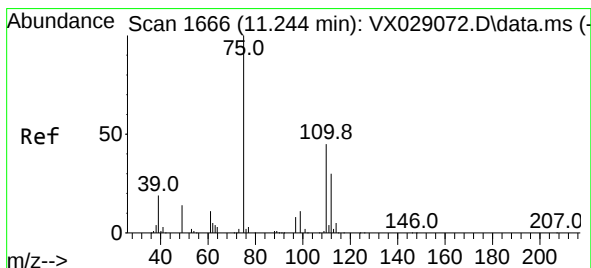
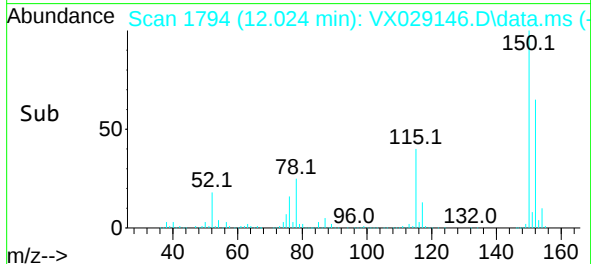
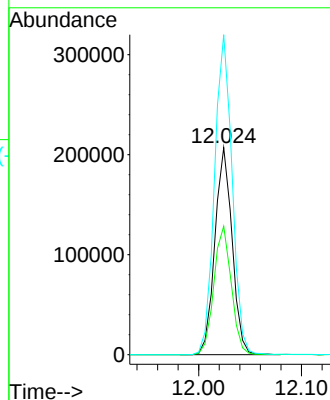
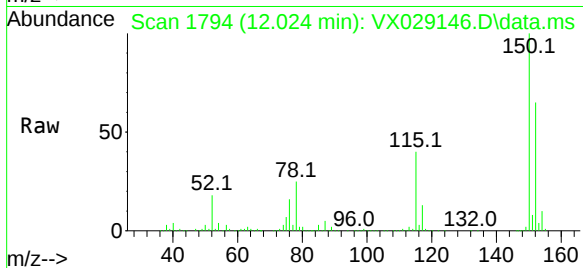




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

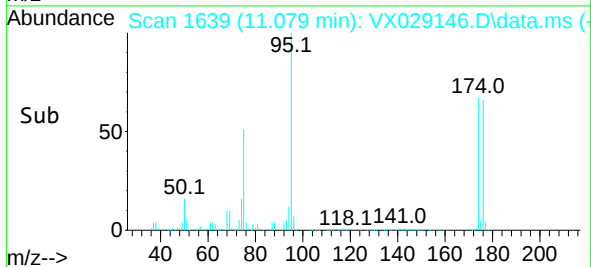
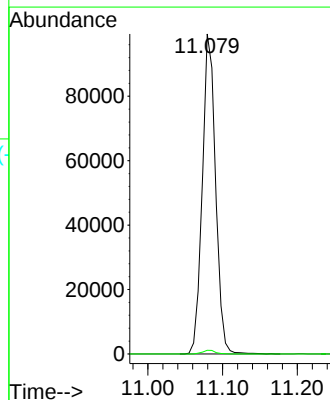
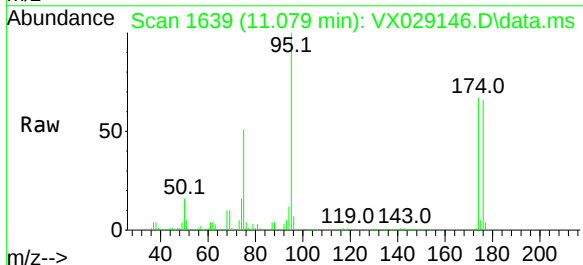
Instrument :
MSVOA_X
ClientSampleId :
45BR-20220525

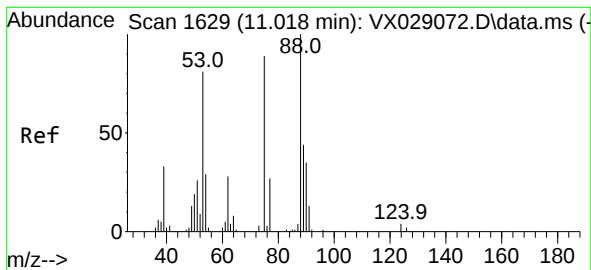
Tgt Ion:152 Resp: 240742
Ion Ratio Lower Upper
152 100
115 63.0 37.5 112.7
150 157.4 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.116 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029146.D
Acq: 02 Jun 2022 19:26

Tgt Ion: 75 Resp: 122571
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.685 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029146.D
 Acq: 02 Jun 2022 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 45BR-20220525

Tgt Ion: 75 Resp: 122571
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

