

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029148.D
 Acq On : 02 Jun 2022 20:13
 Operator : JC/MD
 Sample : N3022-15 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20220525

Quant Time: Jun 03 04:34:09 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)

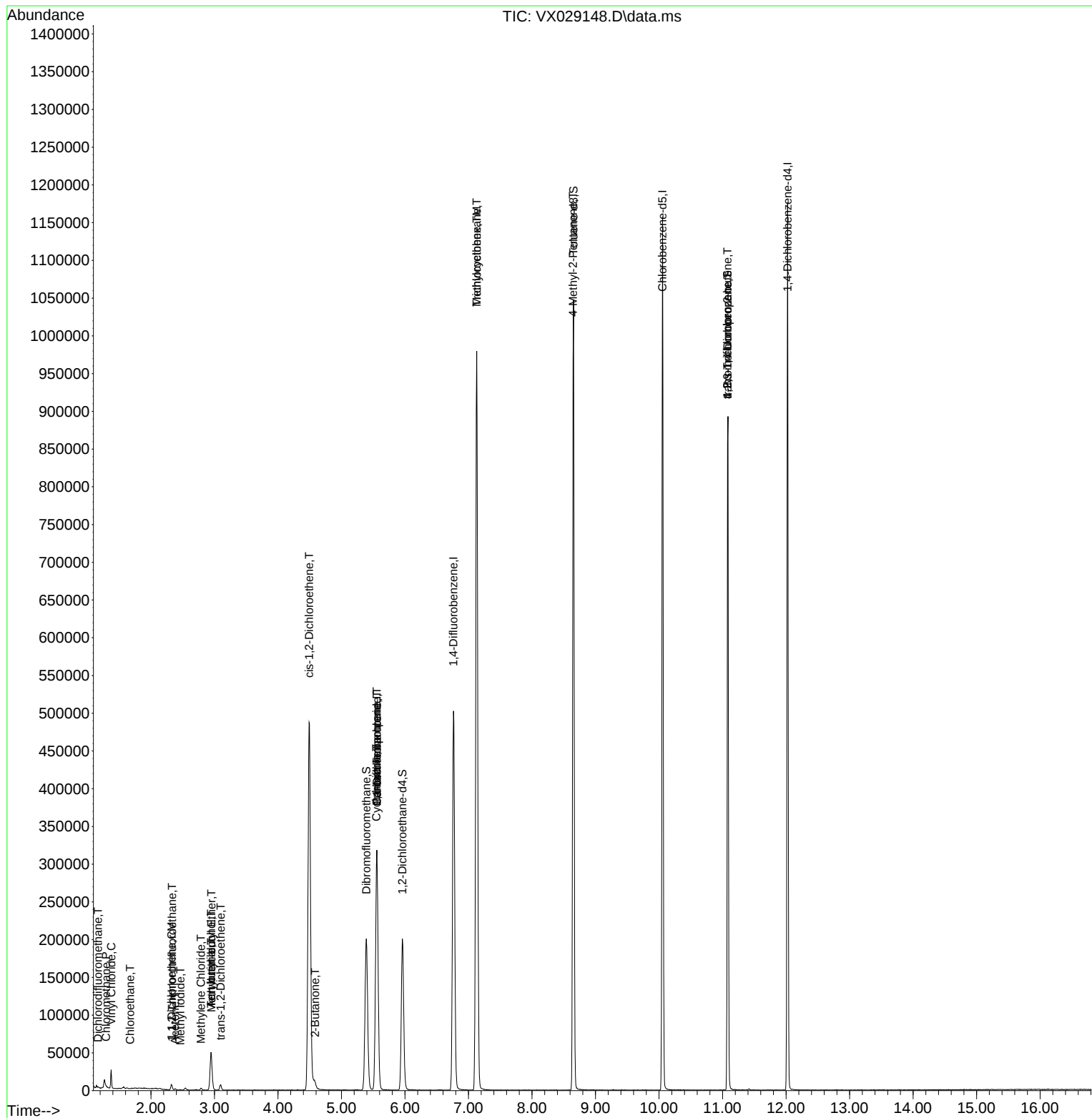
Internal Standards						
1) Pentafluorobenzene	5.556	168	294734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	539894	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	525294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	239357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191675	57.672	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.340%
35) Dibromofluoromethane	5.391	113	180376	50.299	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.600%
50) Toluene-d8	8.653	98	642761	49.006	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.020%
62) 4-Bromofluorobenzene	11.079	95	250823	49.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.940%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	1080	0.421	ug/l	95
3) Chloromethane	1.294	50	682	0.254	ug/l #	42
4) Vinyl Chloride	1.373	62	14996	5.086	ug/l	100
5) Bromomethane	1.611	94	471	Below Cal		99
6) Chloroethane	1.672	64	298	1.517	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	1216	0.447	ug/l	96
10) Methyl Iodide	2.465	142	304	4.311	ug/l #	78
11) Tert butyl alcohol	2.946	59	28677	37.247	ug/l #	76
12) 1,1-Dichloroethene	2.324	96	1869	0.704	ug/l #	89
15) Acrylonitrile	2.946	53	608	0.384	ug/l #	18
16) Acetone	2.379	43	1724	1.317	ug/l #	74
19) Methyl tert-butyl Ether	2.952	73	1927	0.214	ug/l	94
20) Methylene Chloride	2.788	84	1296	0.425	ug/l #	87
21) trans-1,2-Dichloroethene	3.099	96	3139	1.047	ug/l #	86
25) 2-Butanone	4.586	43	763	0.361	ug/l #	44
27) cis-1,2-Dichloroethene	4.489	96	333076	93.194	ug/l	86
31) Cyclohexane	5.549	56	5782	1.338	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23134	5.014	ug/l #	49
38) Carbon Tetrachloride	5.556	117	30612	5.805	ug/l #	16
39) Methylcyclohexane	7.128	83	4583	0.803	ug/l #	1
44) Trichloroethene	7.128	130	389469	96.787	ug/l	97
51) 4-Methyl-2-Pentanone	8.646	43	2228	0.479	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	122364	25.218	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	122364	73.986	ug/l #	15

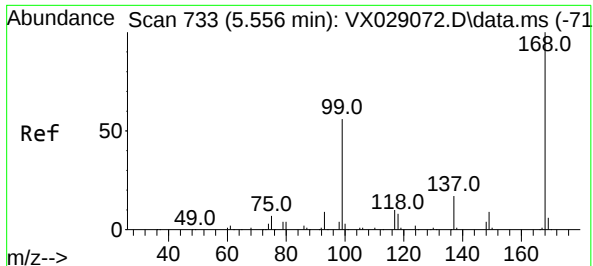
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 01 04:45:42 2022
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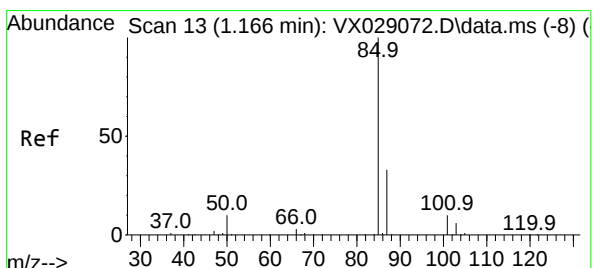
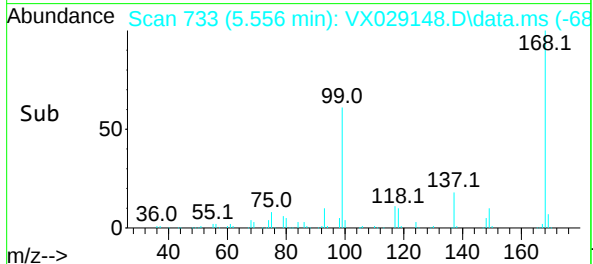
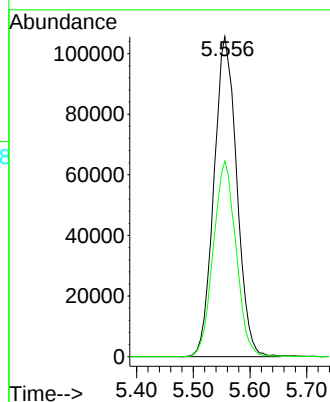
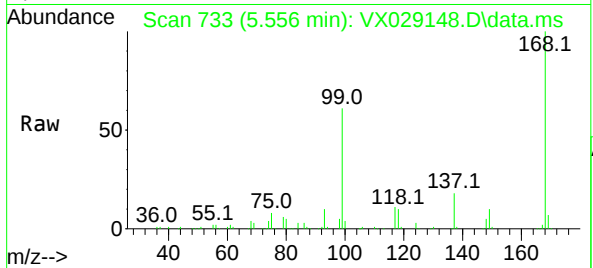




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

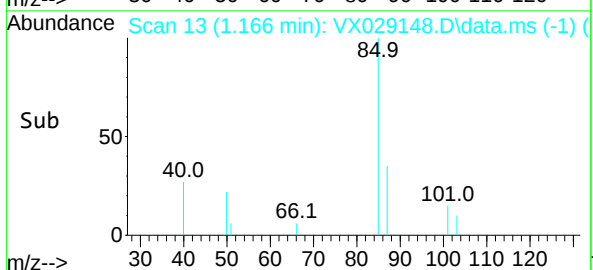
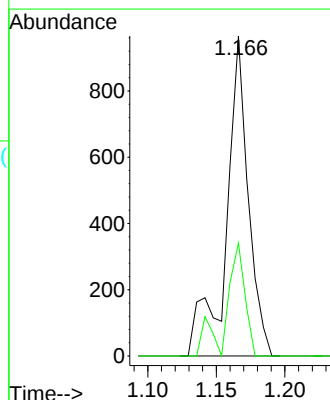
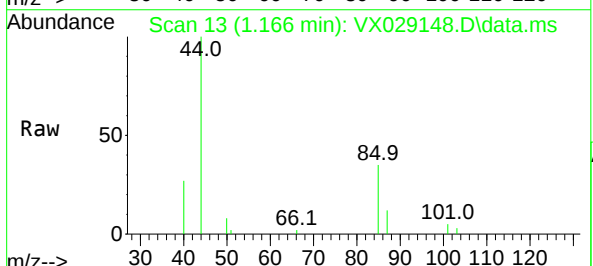
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

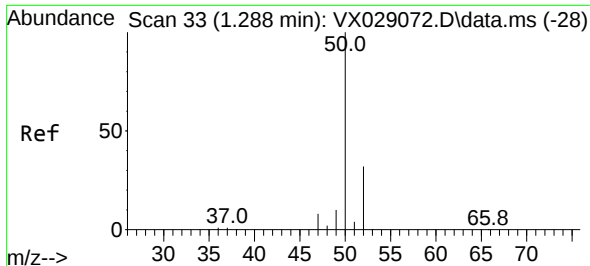
Tgt Ion:168 Resp: 294734
Ion Ratio Lower Upper
168 100
99 61.2 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.421 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 85 Resp: 1080
Ion Ratio Lower Upper
85 100
87 35.3 16.2 48.6

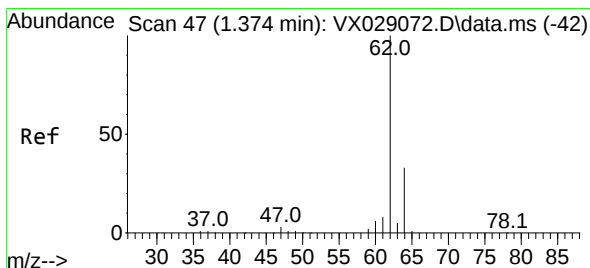
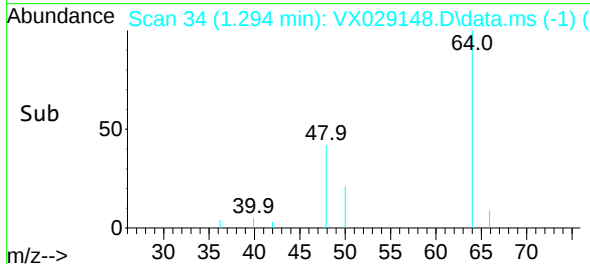
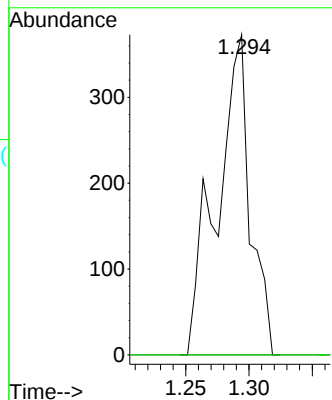
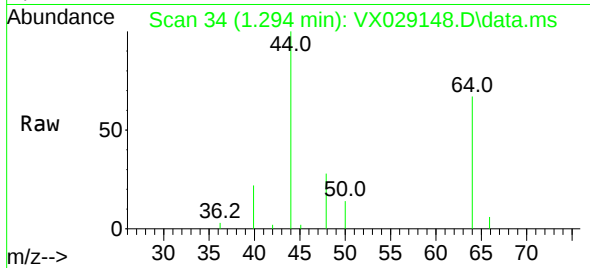




#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

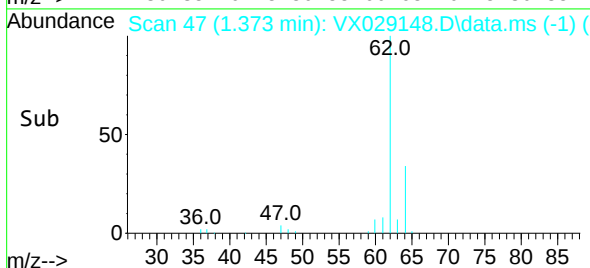
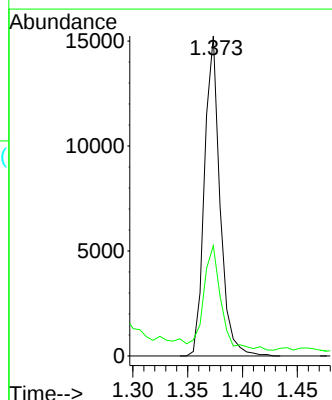
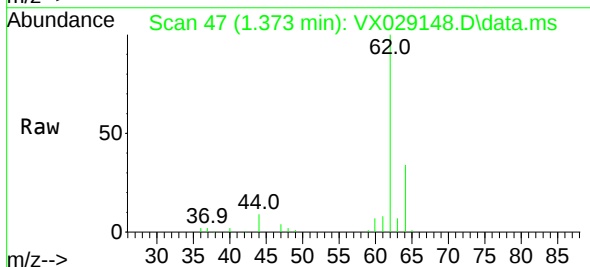
Instrument :
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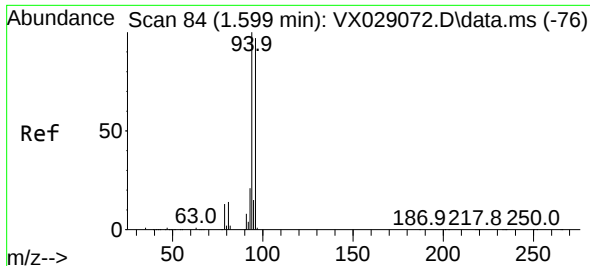
Tgt Ion: 50 Resp: 682
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 5.086 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 62 Resp: 14996
Ion Ratio Lower Upper
62 100
64 32.1 25.5 38.3

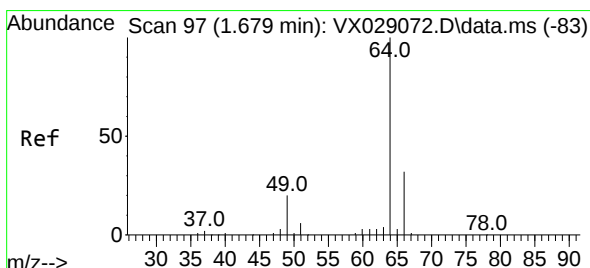
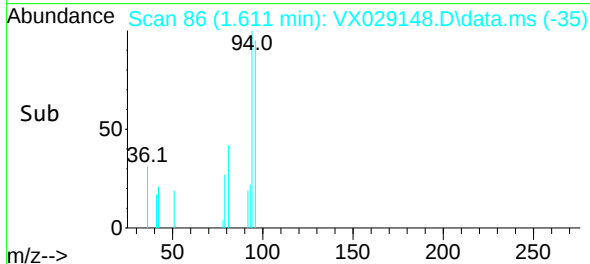
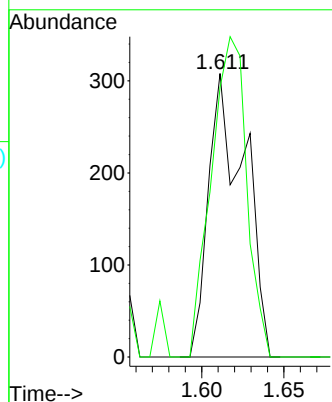
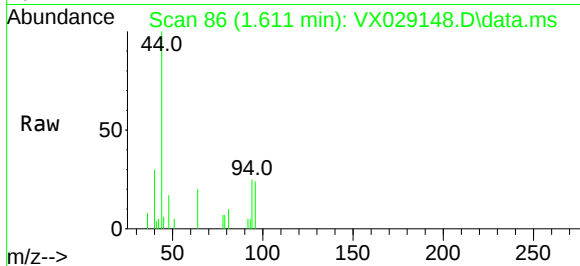




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

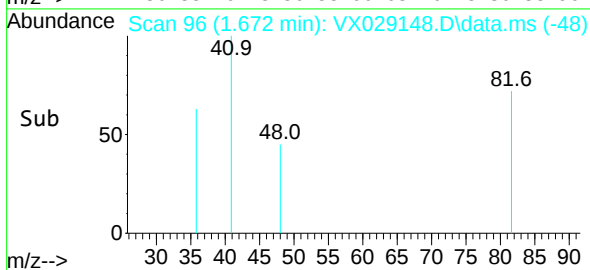
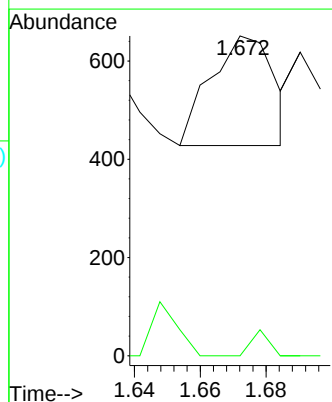
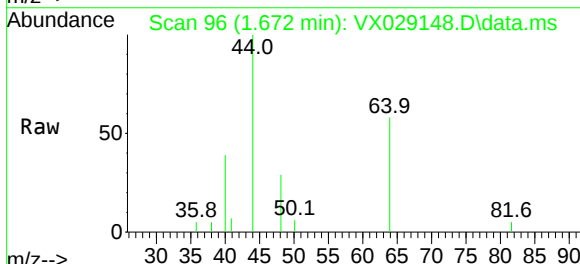
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

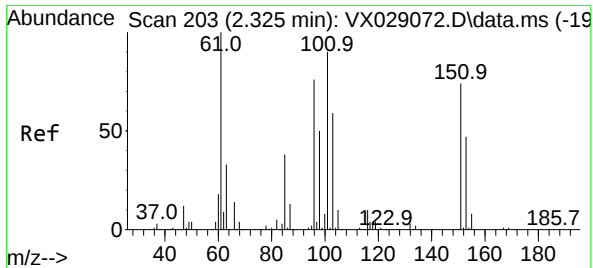
Tgt Ion: 94 Resp: 471
Ion Ratio Lower Upper
94 100
96 95.1 75.3 112.9



#6
Chloroethane
Concen: 1.517 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 64 Resp: 298
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

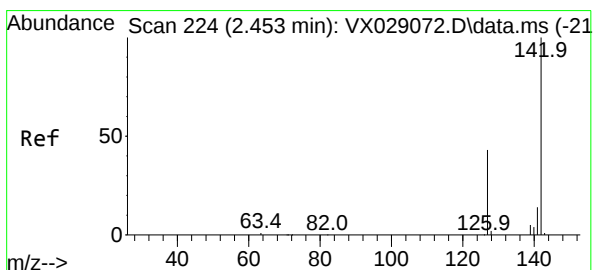
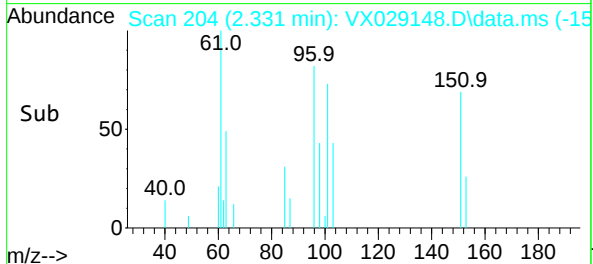
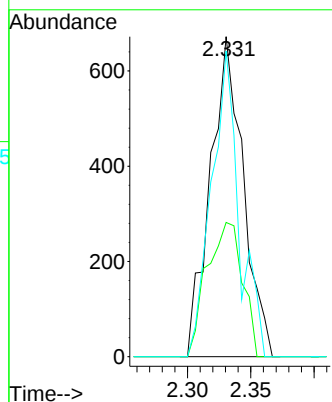
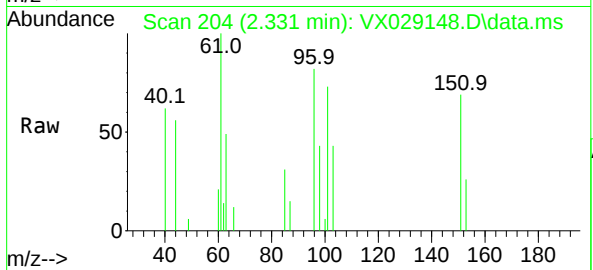




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.447 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

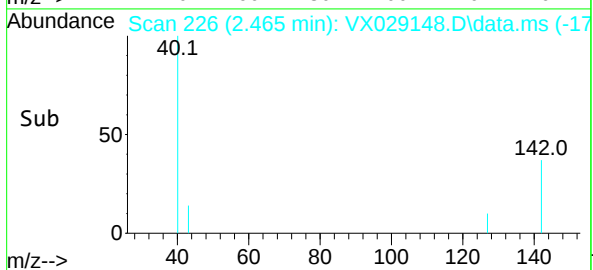
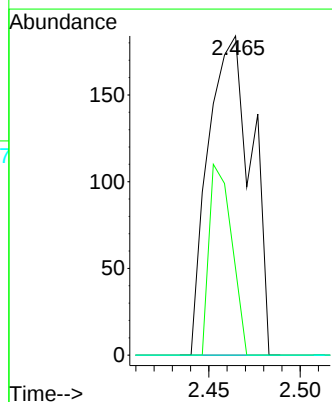
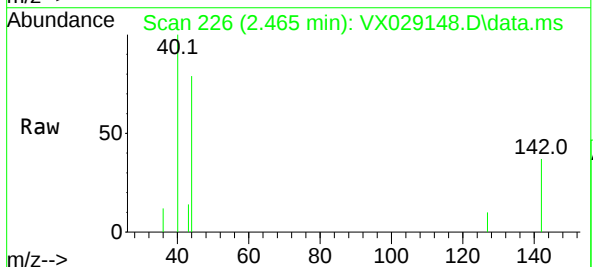
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

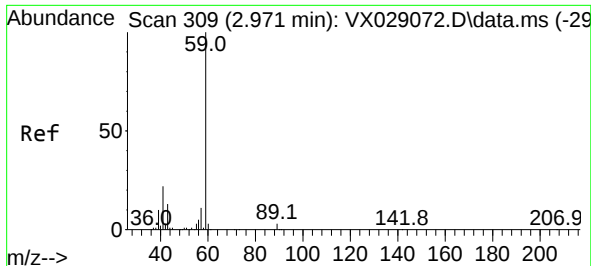
Tgt Ion:101 Resp: 1216
Ion Ratio Lower Upper
101 100
85 45.3 33.5 50.3
151 79.9 61.8 92.6



#10
Methyl Iodide
Concen: 4.311 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion:142 Resp: 304
Ion Ratio Lower Upper
142 100
127 31.3 33.9 50.9#
141 0.0 11.4 17.2#

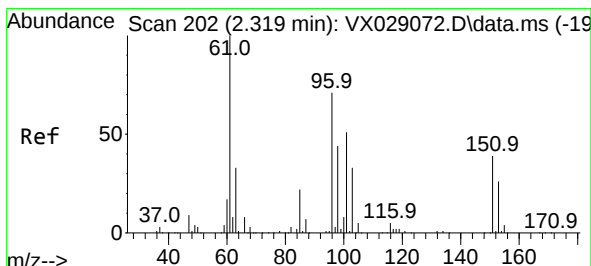
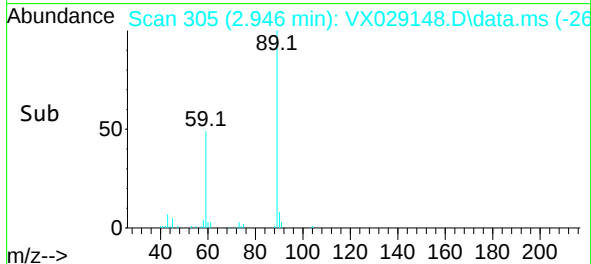
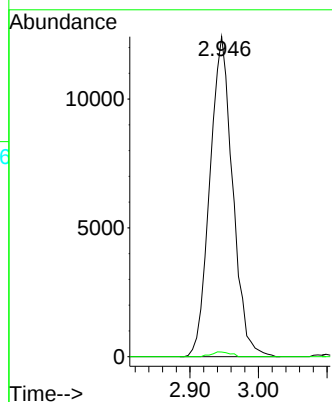
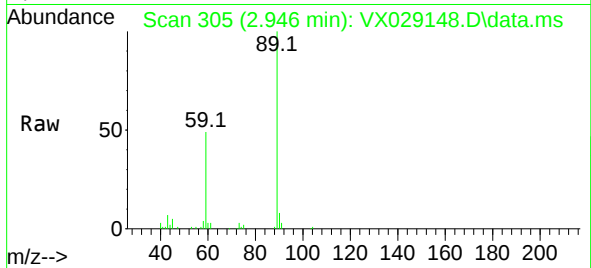




#11
Tert butyl alcohol
Concen: 37.247 ug/l
RT: 2.946 min Scan# 309
Delta R.T. -0.025 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

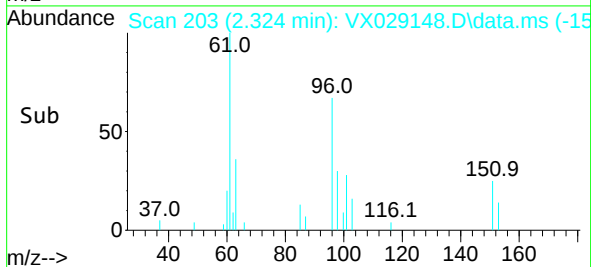
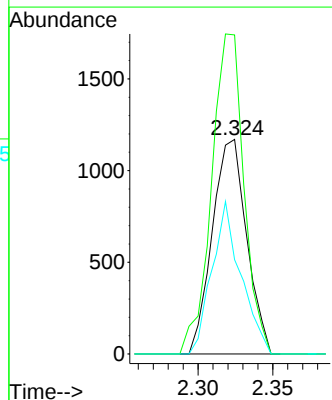
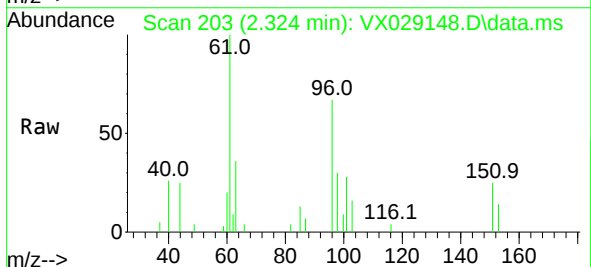
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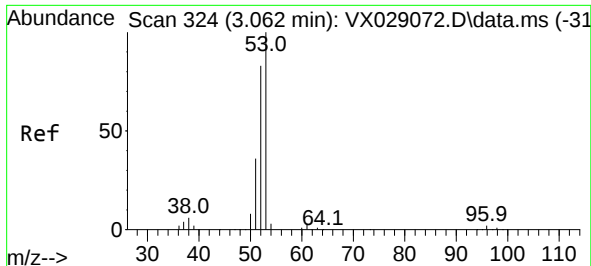
Tgt Ion: 59 Resp: 28677
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.005 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 96 Resp: 1869
Ion Ratio Lower Upper
96 100
61 148.7 124.6 187.0
98 43.9 51.0 76.4#

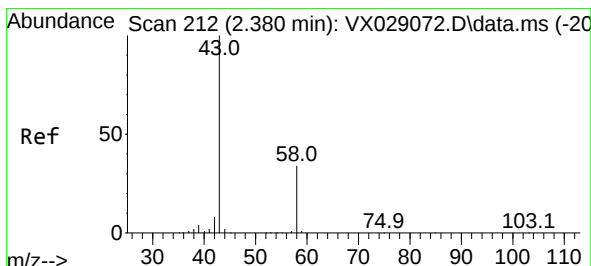
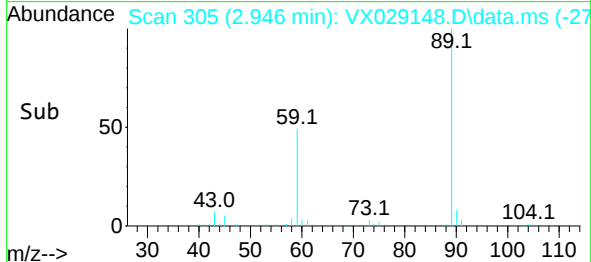
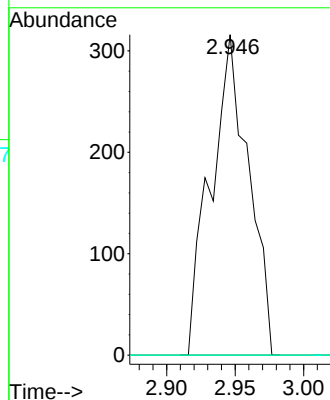
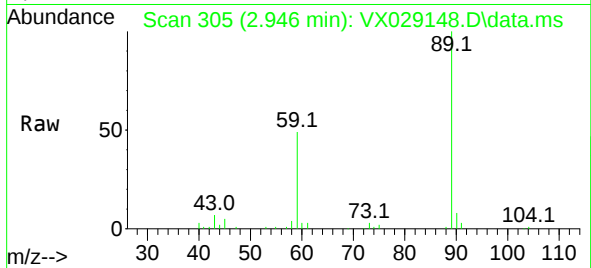




#15
Acrylonitrile
Concen: 0.384 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.116 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

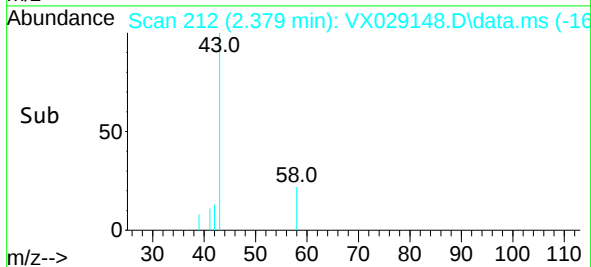
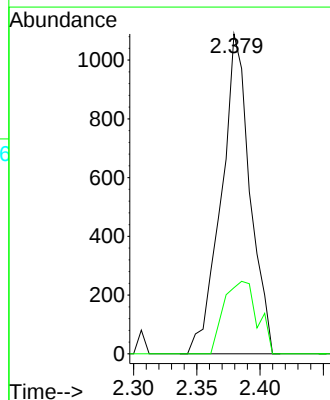
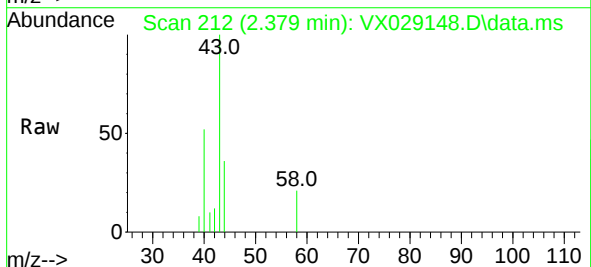
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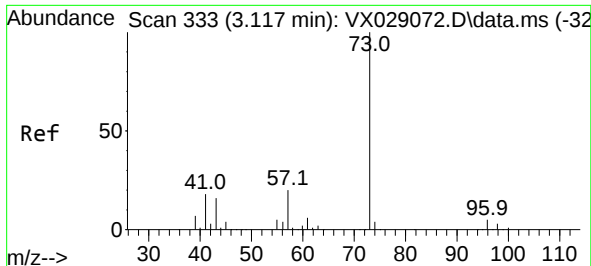
Tgt Ion: 53 Resp: 608
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 1.317 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
58 20.7 28.8 43.2#

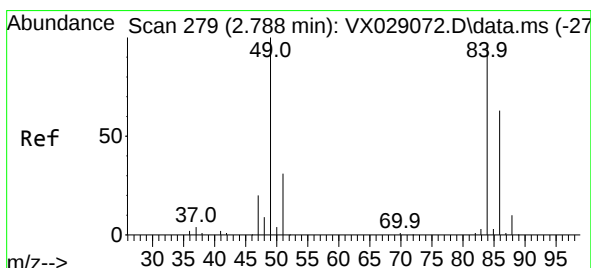
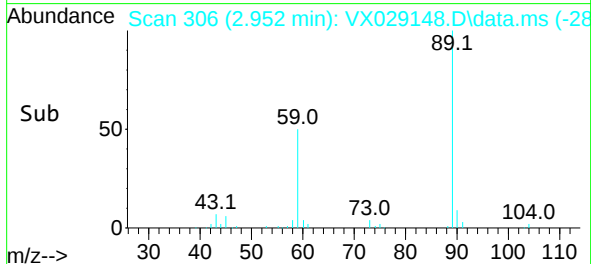
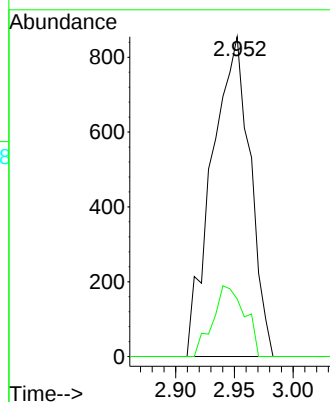
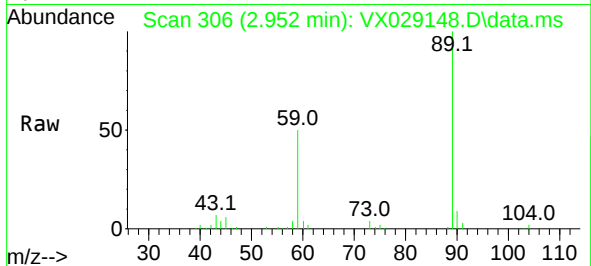




#19
Methyl tert-butyl Ether
Concen: 0.214 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.165 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

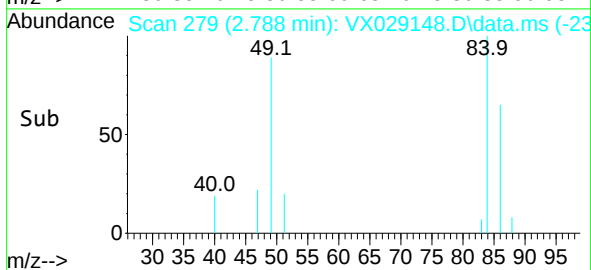
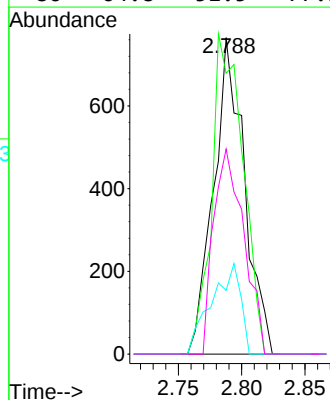
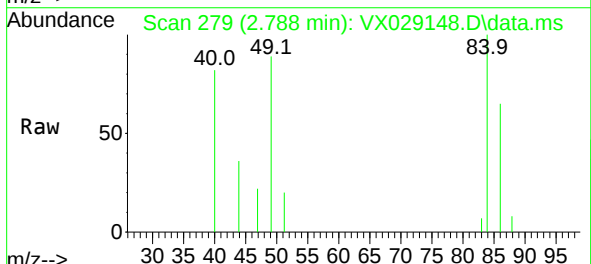
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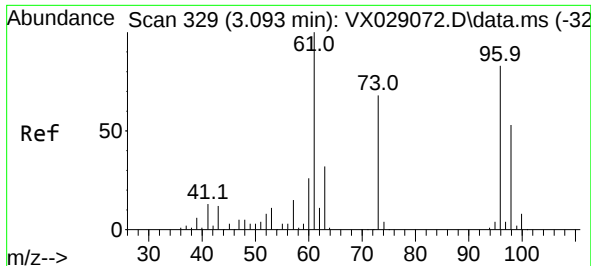
Tgt Ion: 73 Resp: 1927
Ion Ratio Lower Upper
73 100
57 18.0 16.8 25.2



#20
Methylene Chloride
Concen: 0.425 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 84 Resp: 1296
Ion Ratio Lower Upper
84 100
49 88.8 85.5 128.3
51 20.1 26.6 39.8#
86 64.8 51.5 77.3

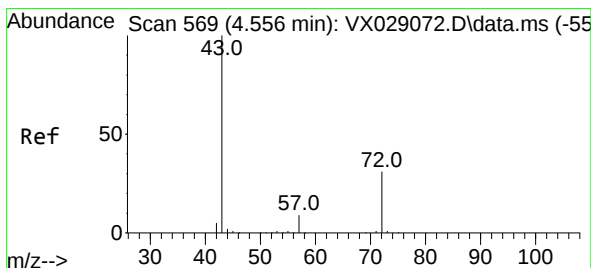
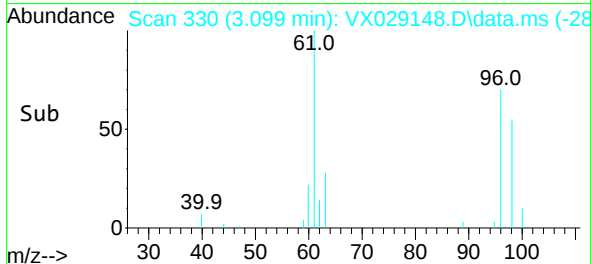
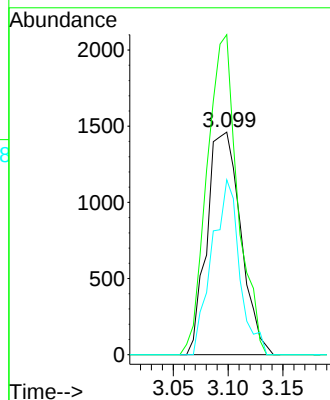
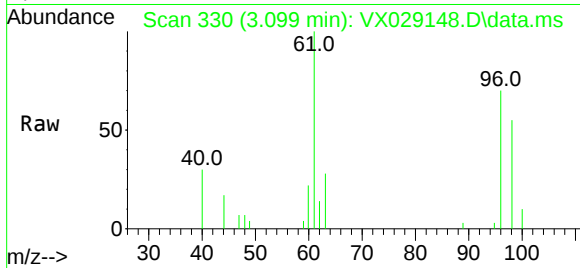




#21
trans-1,2-Dichloroethene
Concen: 1.047 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

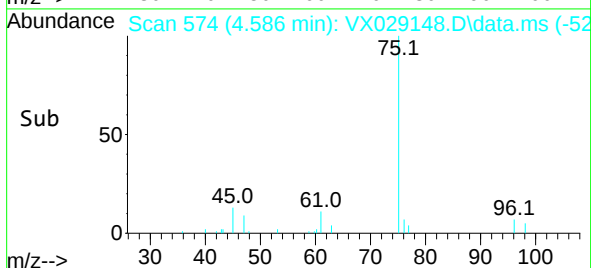
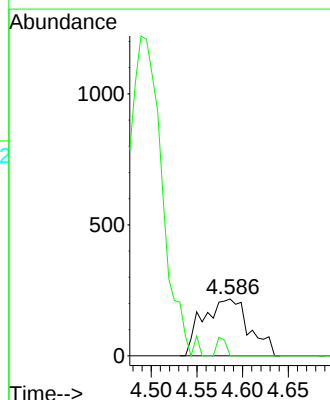
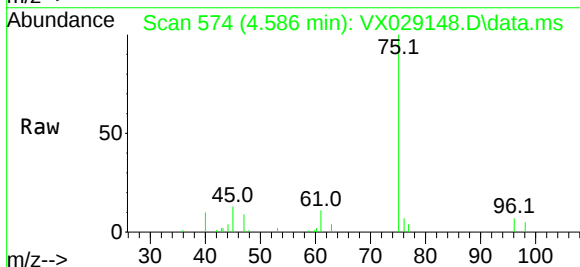
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

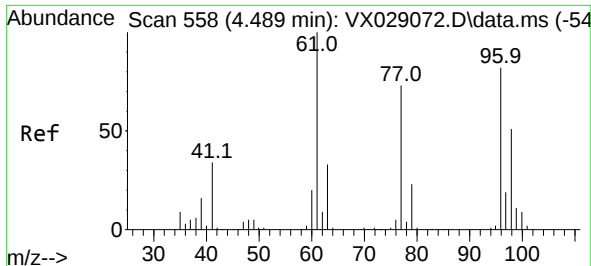
Tgt Ion: 96 Resp: 3139
Ion Ratio Lower Upper
96 100
61 143.8 105.4 158.2
98 78.6 50.0 75.0#



#25
2-Butanone
Concen: 0.361 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 93.194 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX029148.D

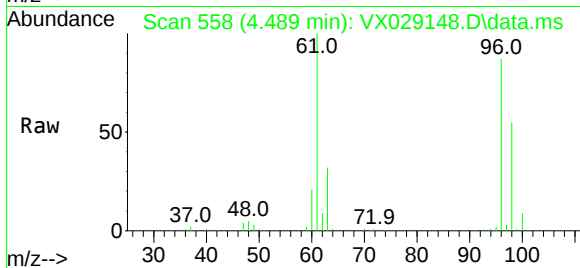
Acq: 02 Jun 2022 20:13

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20220525



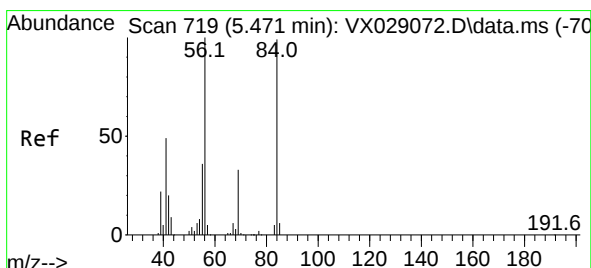
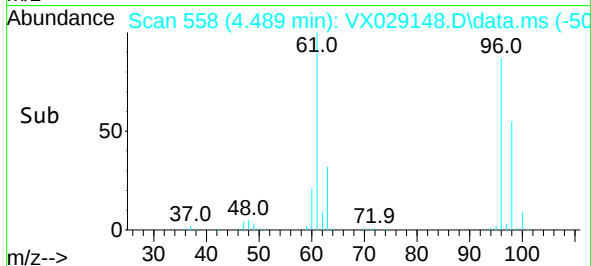
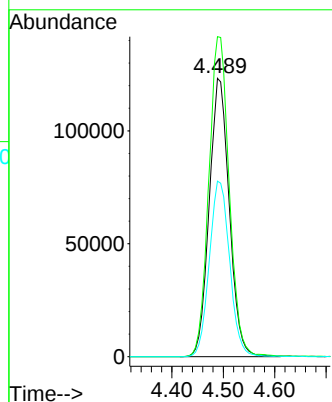
Tgt Ion: 96 Resp: 333076

Ion Ratio Lower Upper

96 100

61 117.2 0.0 283.8

98 64.0 0.0 129.8



#31

Cyclohexane

Concen: 1.338 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.078 min

Lab File: VX029148.D

Acq: 02 Jun 2022 20:13

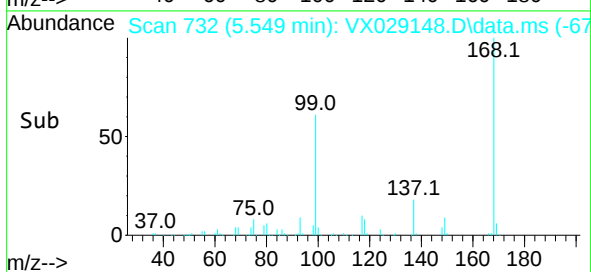
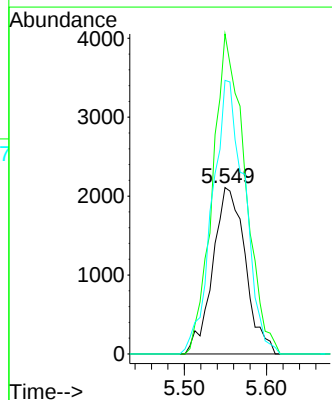
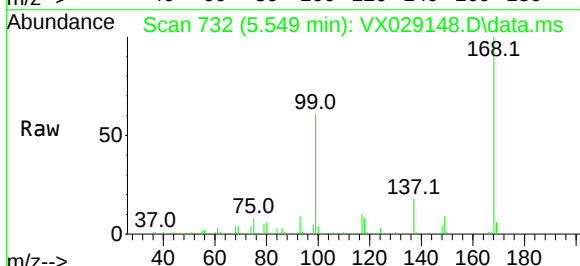
Tgt Ion: 56 Resp: 5782

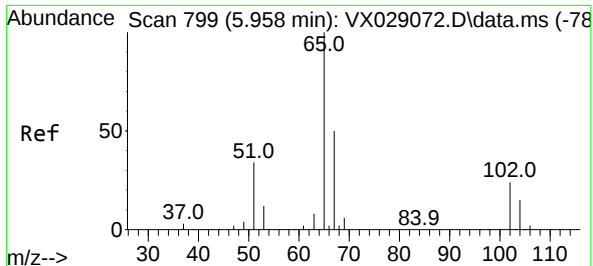
Ion Ratio Lower Upper

56 100

69 192.3 26.7 40.1#

84 164.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.672 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029148.D

Acq: 02 Jun 2022 20:13

Instrument :

MSVOA_X

ClientSampleId :

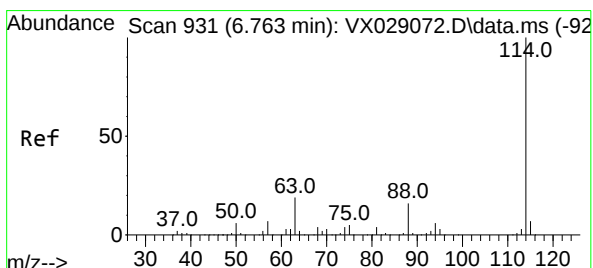
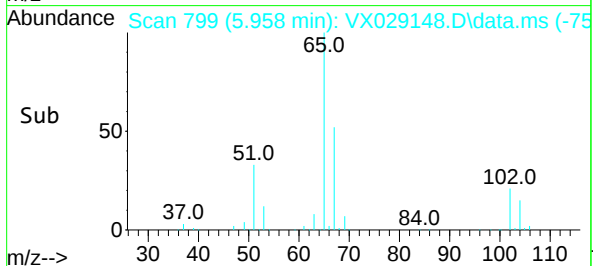
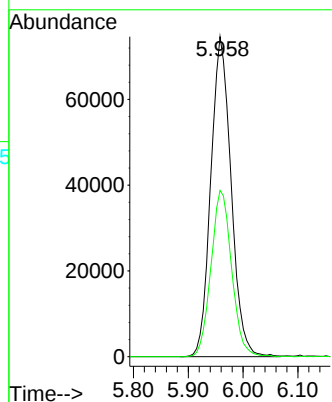
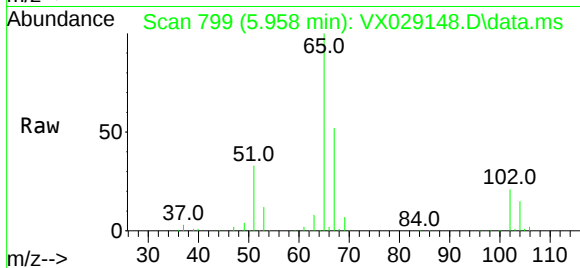
DUP03-20220525

Tgt Ion: 65 Resp: 191675

Ion Ratio Lower Upper

65 100

67 52.8 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: VX029148.D

Acq: 02 Jun 2022 20:13

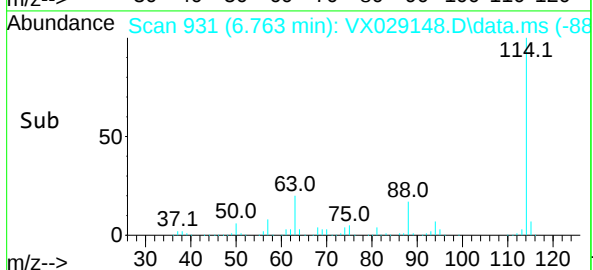
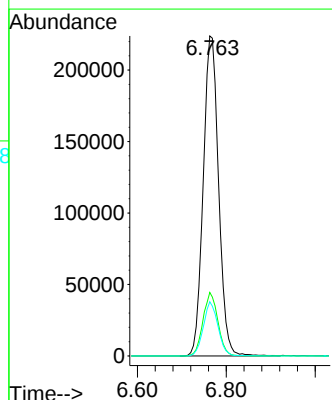
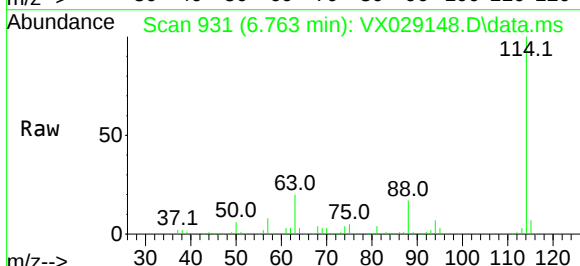
Tgt Ion: 114 Resp: 539894

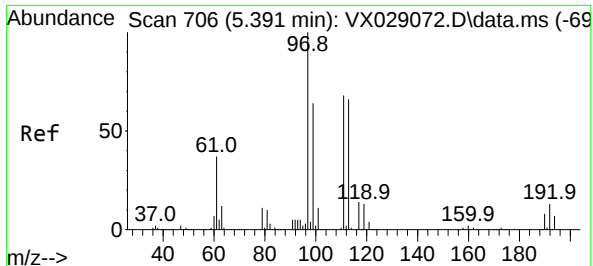
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.8

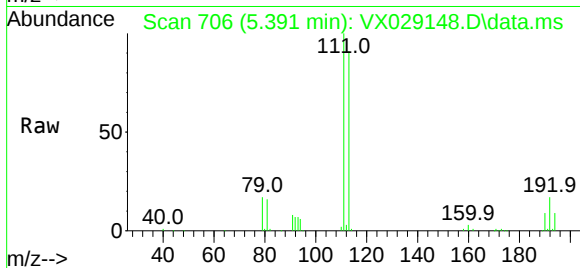
88 16.9 0.0 32.4



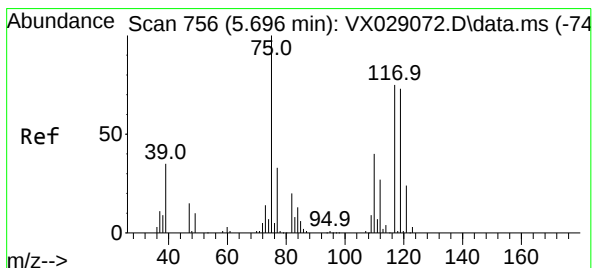
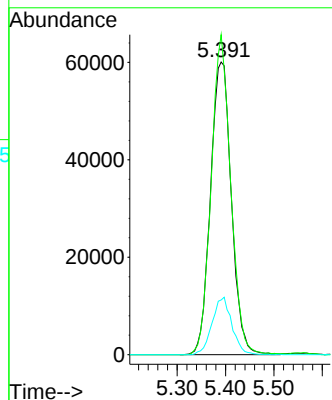
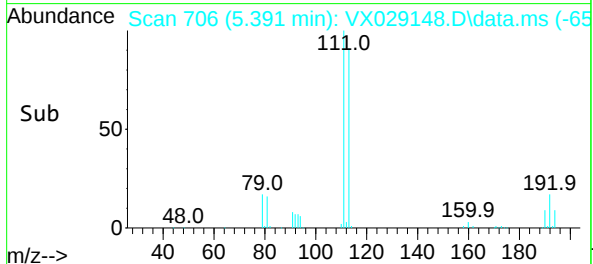


#35
Dibromofluoromethane
Concen: 50.299 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

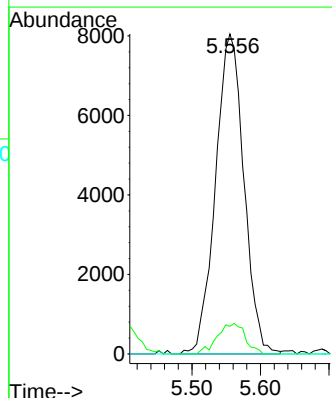
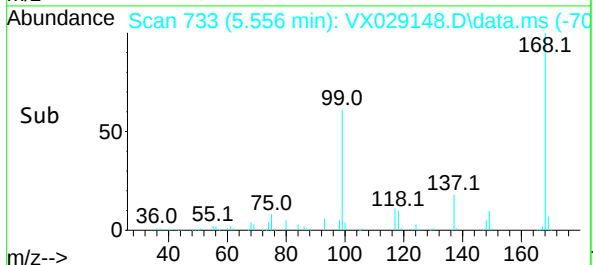
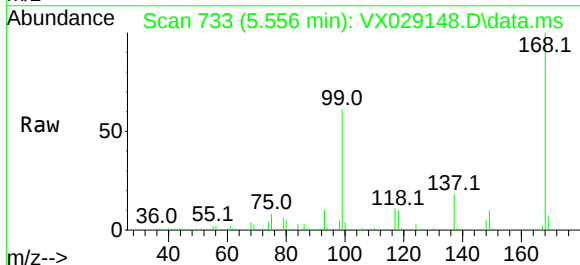


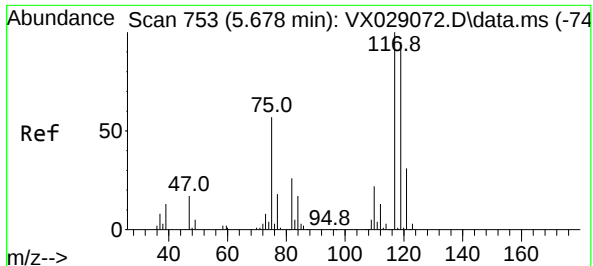
Tgt Ion:113 Resp: 180376
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.014 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

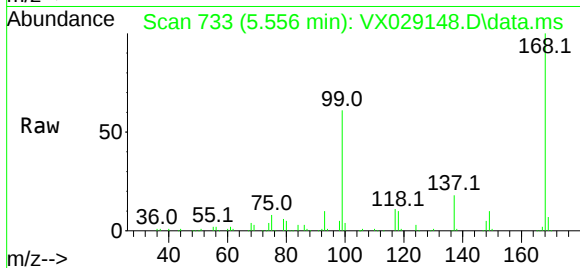
Tgt Ion: 75 Resp: 23134
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



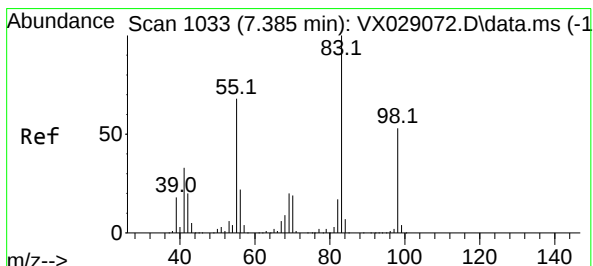
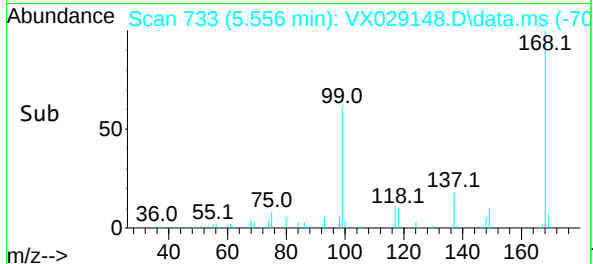
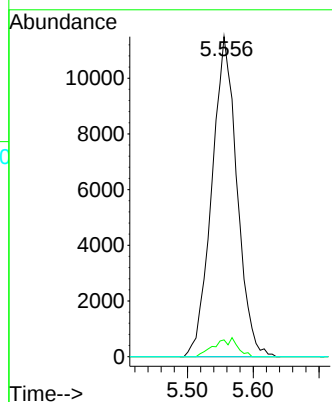


#38
Carbon Tetrachloride
Concen: 5.805 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

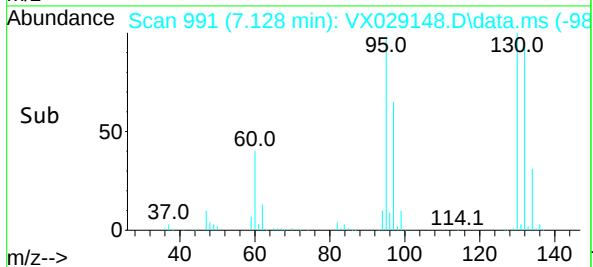
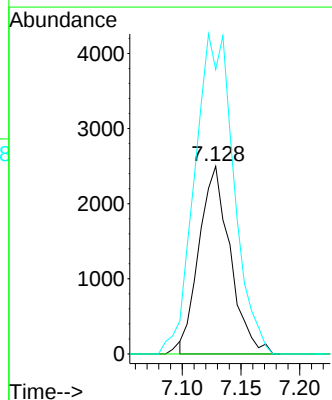
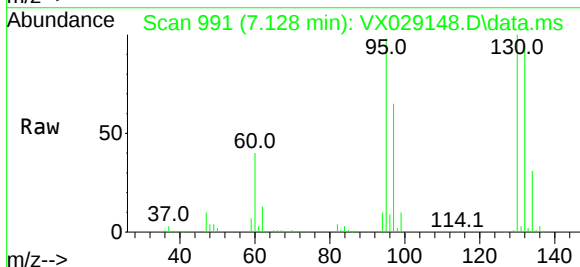


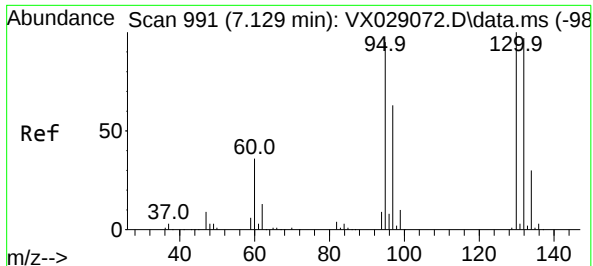
Tgt Ion:117 Resp: 30612
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.803 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.257 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 83 Resp: 4583
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 151.6 37.4 56.2#

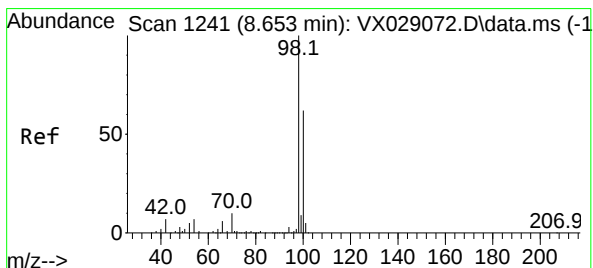
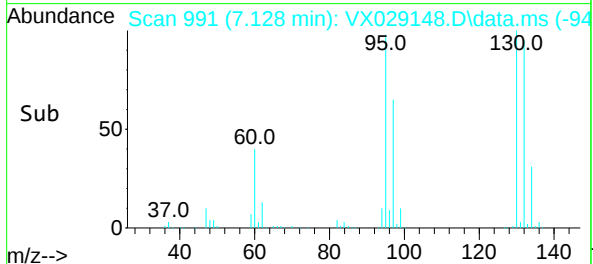
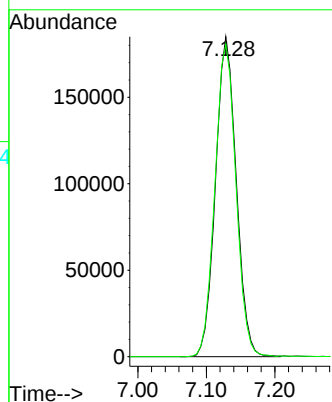
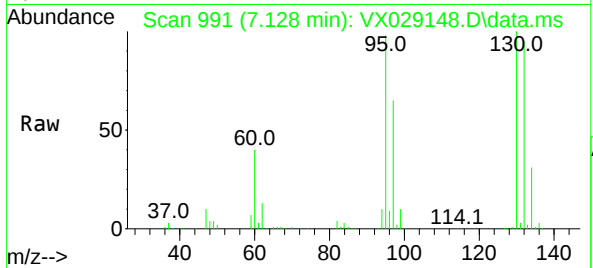




#44
Trichloroethene
Concen: 96.787 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

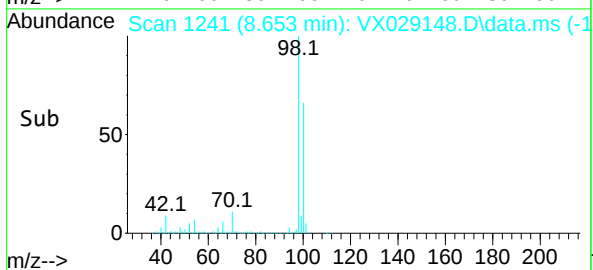
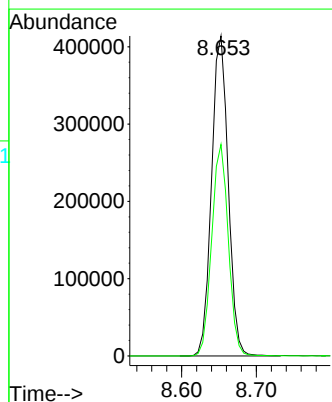
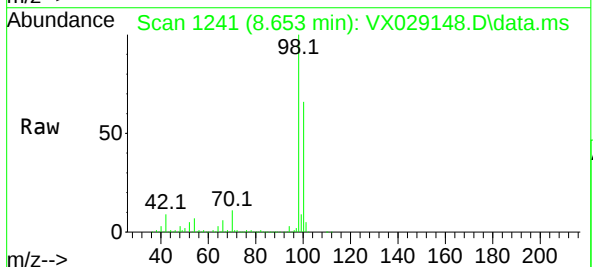
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

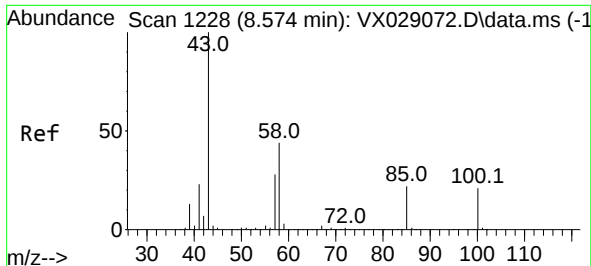
Tgt Ion:130 Resp: 389469
Ion Ratio Lower Upper
130 100
95 97.6 0.0 188.8



#50
Toluene-d8
Concen: 49.006 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 98 Resp: 642761
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.479 ug/l

RT: 8.646 min Scan# 11

Delta R.T. 0.072 min

Lab File: VX029148.D

Acq: 02 Jun 2022 20:13

Instrument :

MSVOA_X

ClientSampleId :

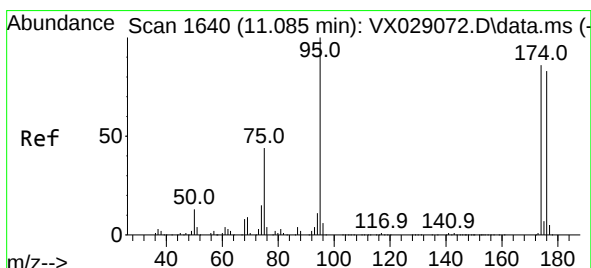
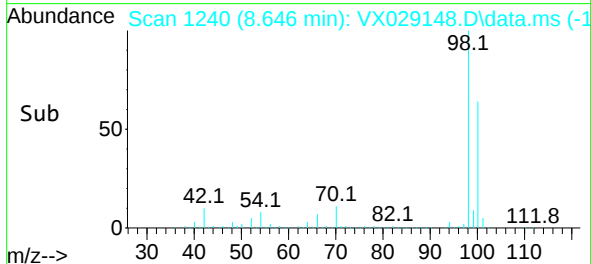
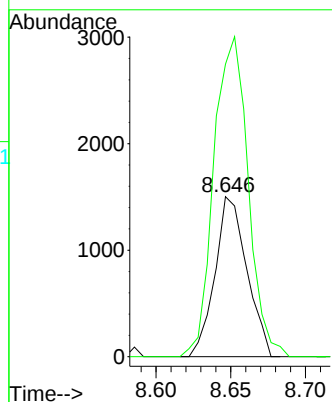
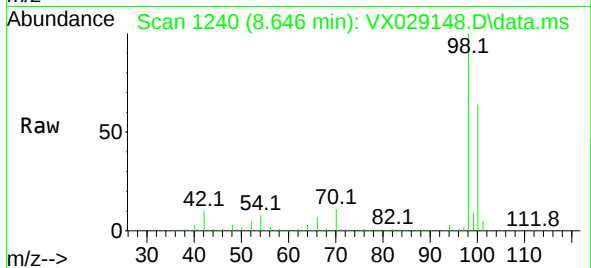
DUP03-20220525

Tgt Ion: 43 Resp: 2228

Ion Ratio Lower Upper

43 100

58 215.0 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 49.472 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029148.D

Acq: 02 Jun 2022 20:13

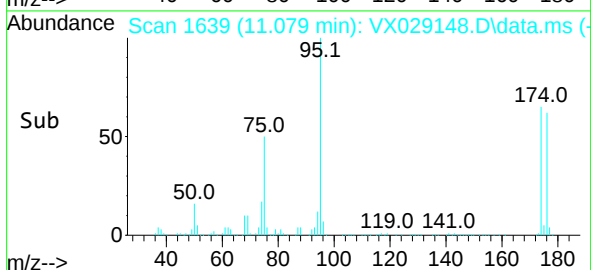
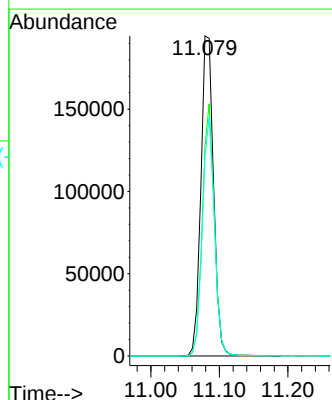
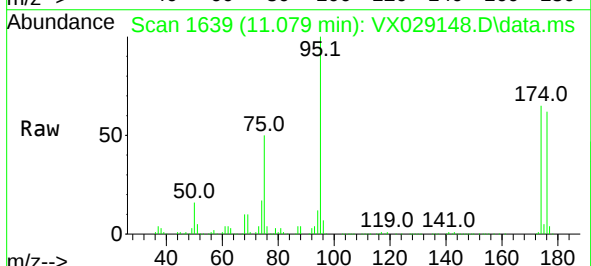
Tgt Ion: 95 Resp: 250823

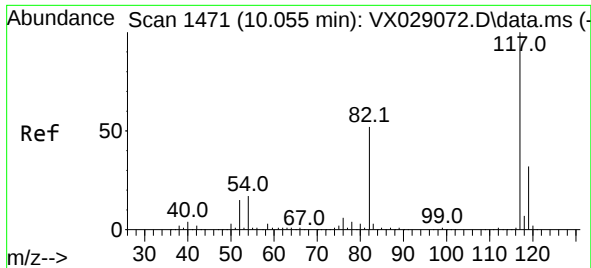
Ion Ratio Lower Upper

95 100

174 74.2 0.0 163.0

176 71.0 0.0 155.0

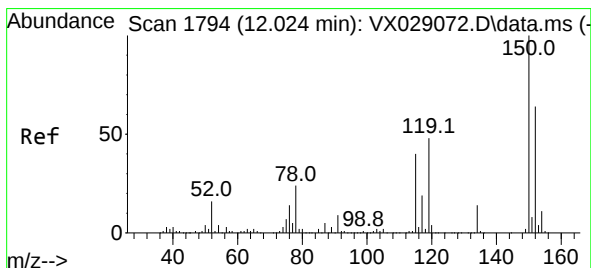
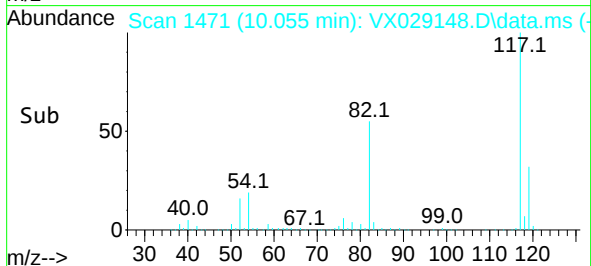
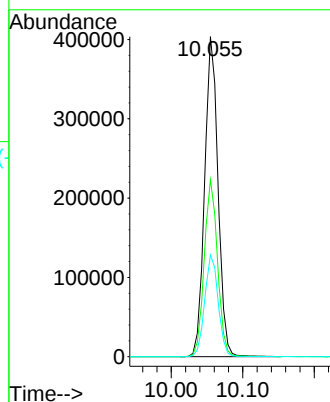
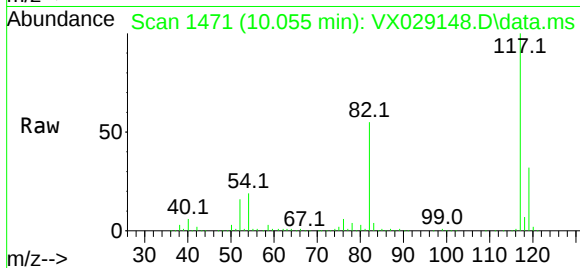




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

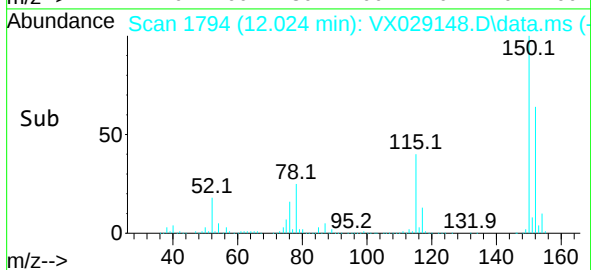
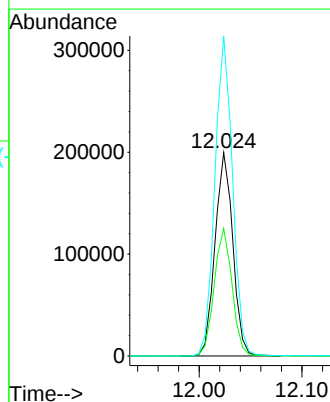
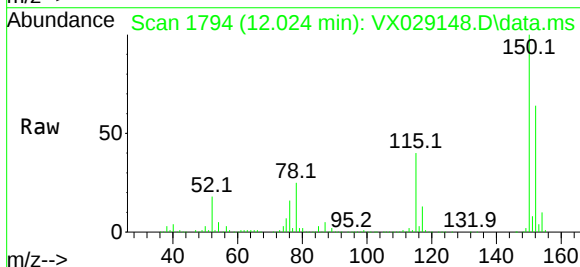
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

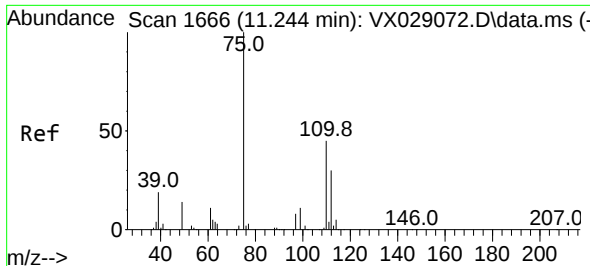
Tgt Ion:117 Resp: 525294
Ion Ratio Lower Upper
117 100
82 55.3 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion:152 Resp: 239357
Ion Ratio Lower Upper
152 100
115 62.9 37.5 112.7
150 156.1 0.0 338.2

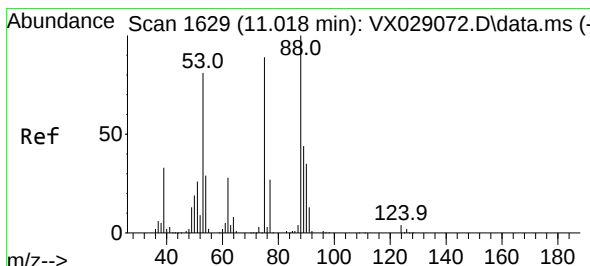
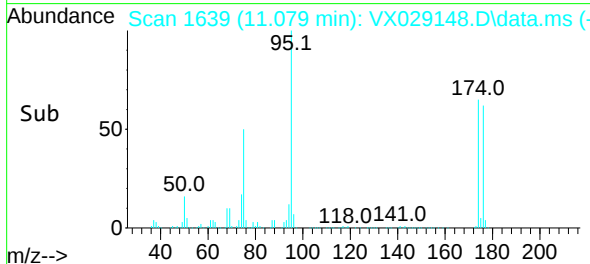
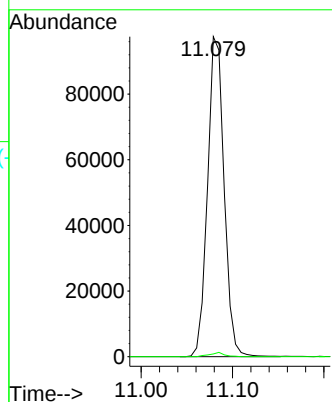
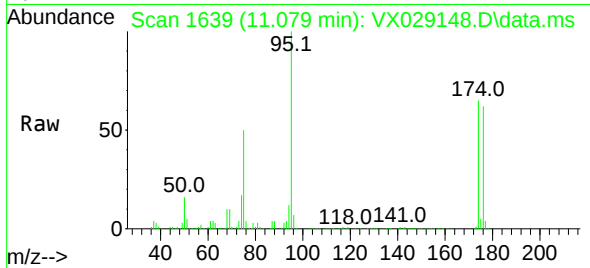




#76
1,2,3-Trichloropropane
Concen: 25.218 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20220525

Tgt Ion: 75 Resp: 122364
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029148.D
Acq: 02 Jun 2022 20:13

Tgt Ion: 75 Resp: 122364
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

