

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029270.D
 Acq On : 07 Jun 2022 04:45
 Operator : JC/MD
 Sample : N3166-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20220531

Quant Time: Jun 07 06:11:53 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)

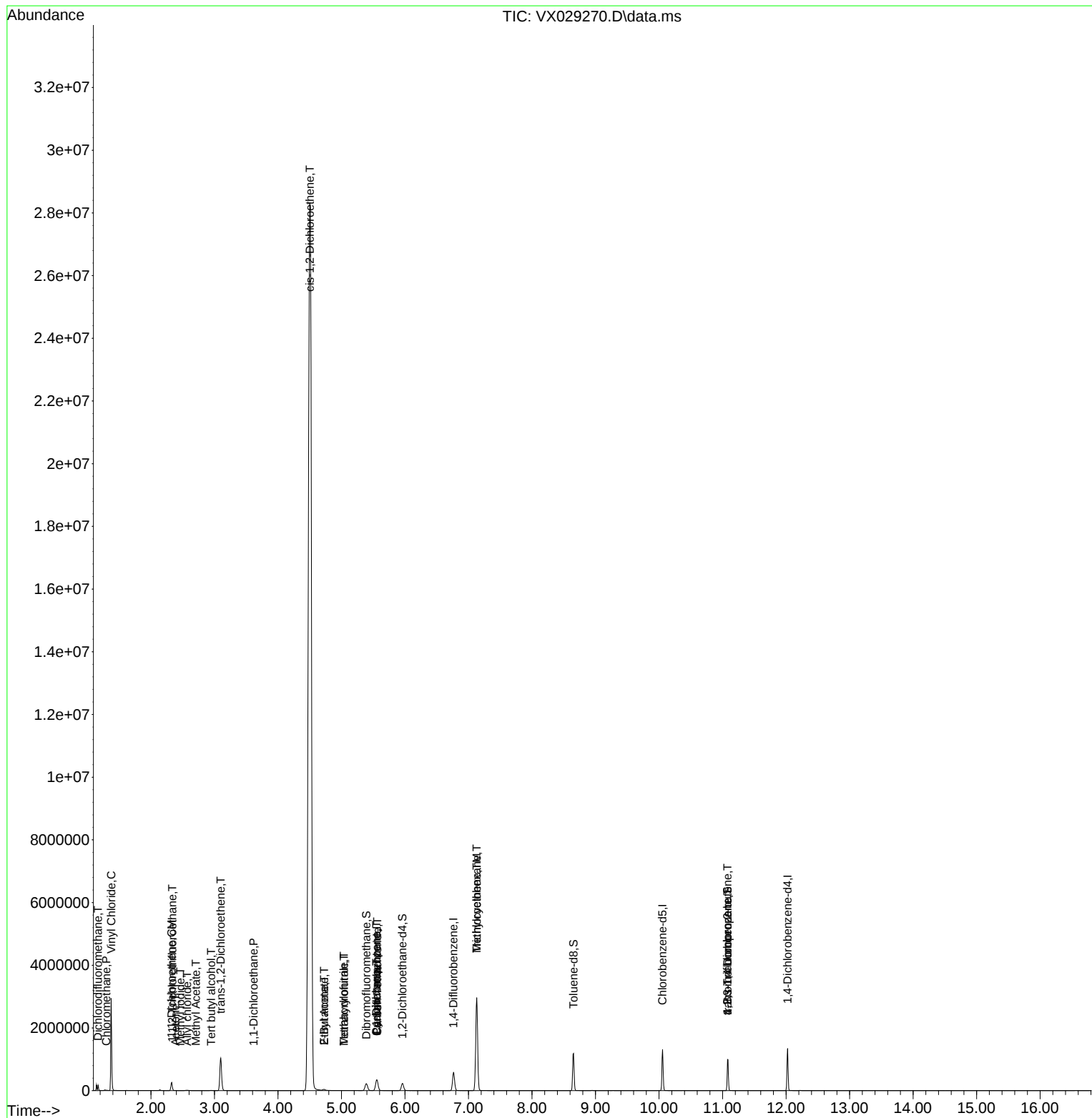
Internal Standards						
1) Pentafluorobenzene	5.556	168	317717	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	598979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	598371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	272879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	223147	62.284	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 124.560%			
35) Dibromofluoromethane	5.391	113	200603	50.421	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.840%			
50) Toluene-d8	8.653	98	728119	50.038	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.080%			
62) 4-Bromofluorobenzene	11.079	95	291888	51.893	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	95052	34.408	ug/l	99
3) Chloromethane	1.294	50	1559	0.539	ug/l	96
4) Vinyl Chloride	1.374	62	1798525	565.804	ug/l	97
5) Bromomethane	1.617	94	922	Below Cal		93
9) 1,1,2-Trichlorotrifluo...	2.337	101	5618	1.917	ug/l	94
10) Methyl Iodide	2.465	142	1026	4.489	ug/l #	88
11) Tert butyl alcohol	2.946	59	3460	4.169	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	84076	29.361	ug/l	98
14) Allyl chloride	2.568	41	2544	0.592	ug/l #	55
16) Acetone	2.386	43	5222	3.701	ug/l	93
18) Methyl Acetate	2.709	43	1192	0.327	ug/l #	88
21) trans-1,2-Dichloroethene	3.099	96	467056	144.573	ug/l	97
24) 1,1-Dichloroethane	3.617	63	3558	0.669	ug/l	98
25) 2-Butanone	4.727	43	54829	24.093	ug/l #	44
27) cis-1,2-Dichloroethene	4.501	96	22813789	5921.497	ug/l	78
29) Tetrahydrofuran	5.038	42	1591	1.090	ug/l #	66
31) Cyclohexane	5.550	56	6163	1.323	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	24830	4.850	ug/l #	50
37) Ethyl Acetate	4.727	43	54829	11.051	ug/l #	65
38) Carbon Tetrachloride	5.562	117	34144	5.836	ug/l #	15
39) Methylcyclohexane	7.129	83	13020	2.057	ug/l #	1
41) Methacrylonitrile	5.038	41	627	0.234	ug/l #	31
44) Trichloroethene	7.129	130	1147128	258.132	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	142217	25.709	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	142217	75.426	ug/l #	15

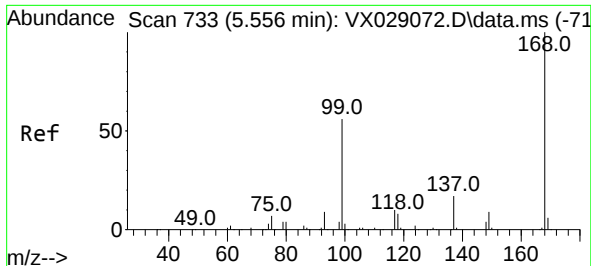
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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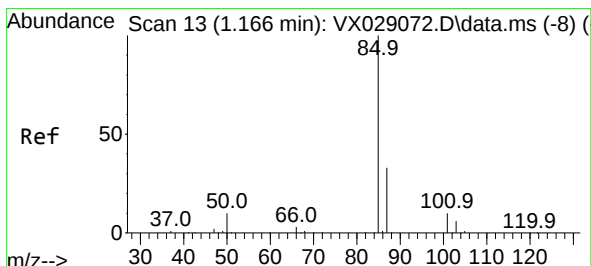
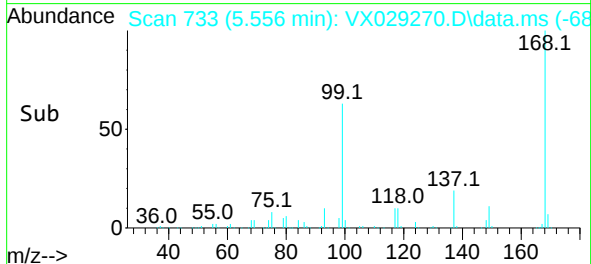
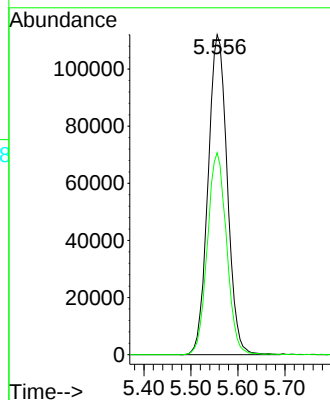
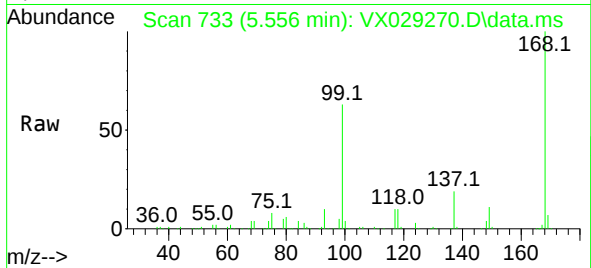




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

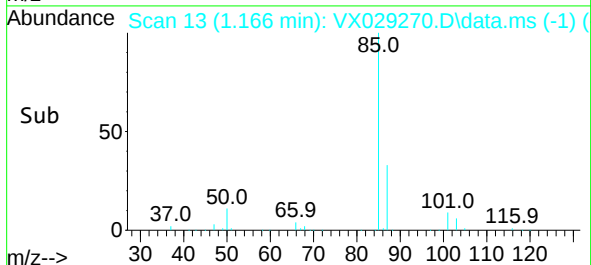
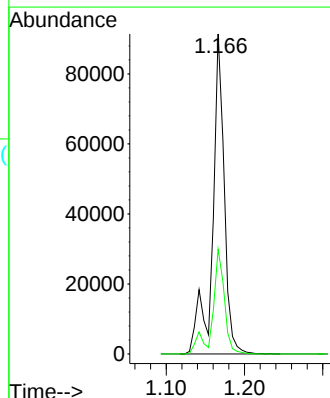
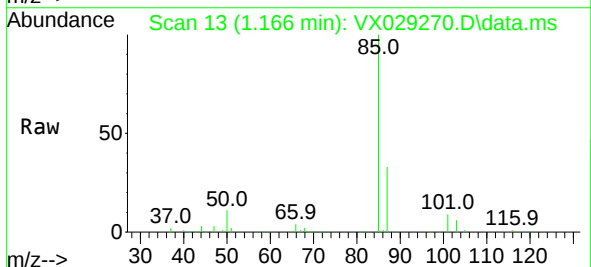
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

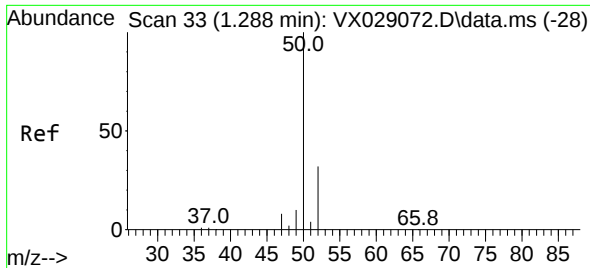
Tgt Ion:168 Resp: 317717
Ion Ratio Lower Upper
168 100
99 63.1 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 34.408 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 85 Resp: 95052
Ion Ratio Lower Upper
85 100
87 32.8 16.2 48.6

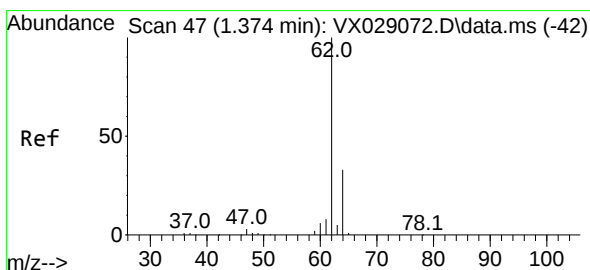
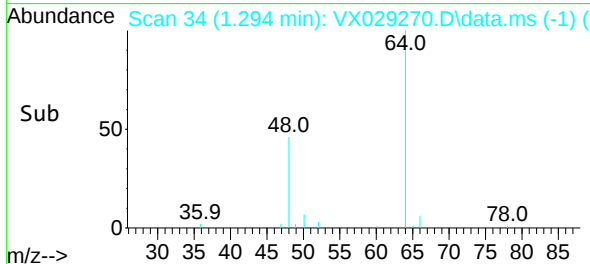
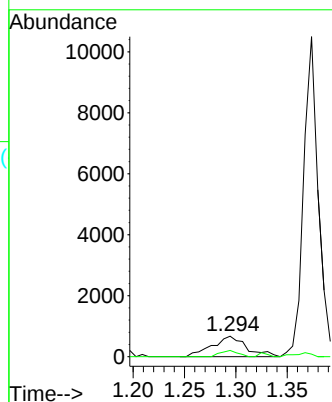
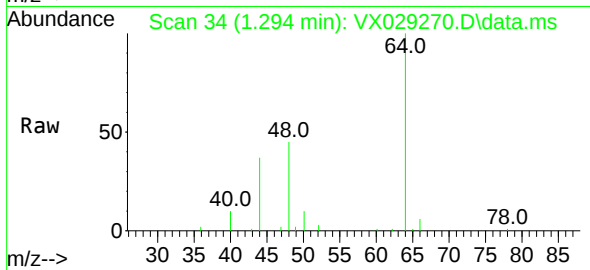




#3
Chloromethane
Concen: 0.539 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

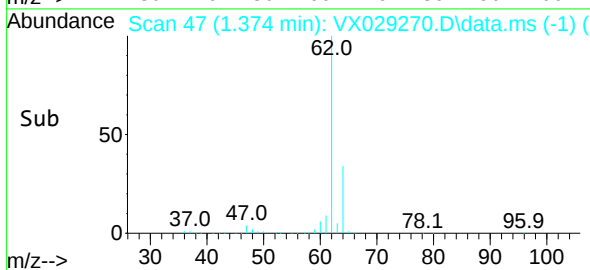
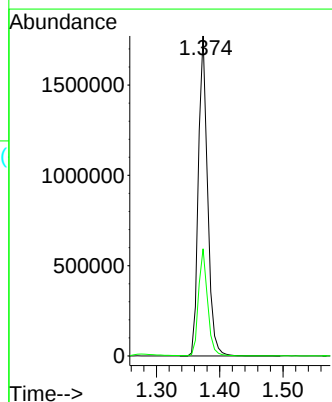
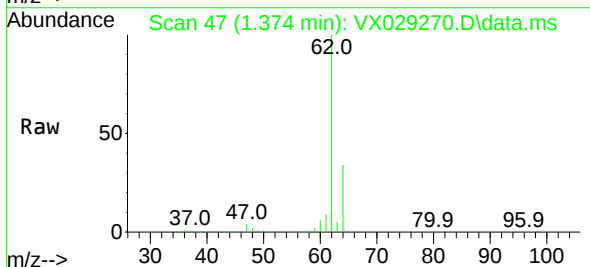
Instrument :
MSVOA_X
ClientSampleId :
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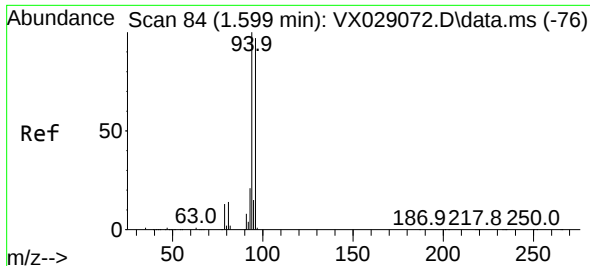
Tgt Ion: 50 Resp: 1559
Ion Ratio Lower Upper
50 100
52 30.8 26.4 39.6



#4
Vinyl Chloride
Concen: 565.804 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 62 Resp: 1798525
Ion Ratio Lower Upper
62 100
64 33.5 25.5 38.3

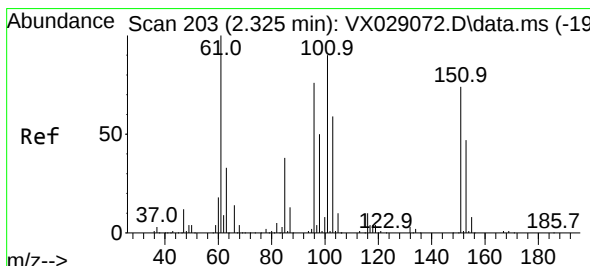
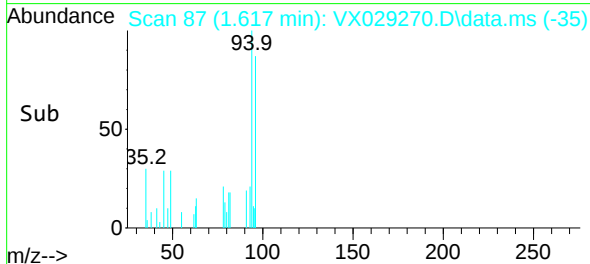
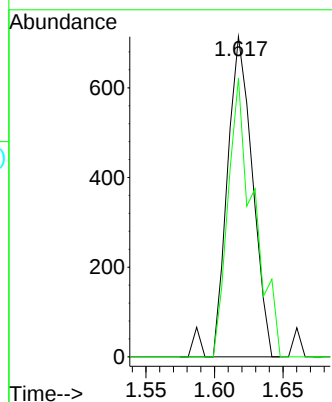
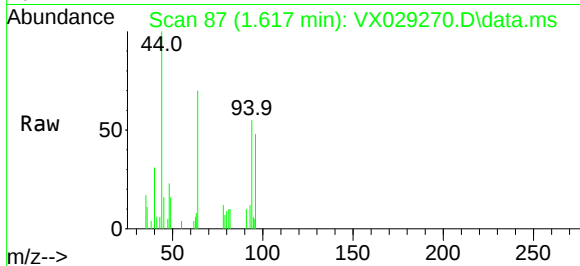




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

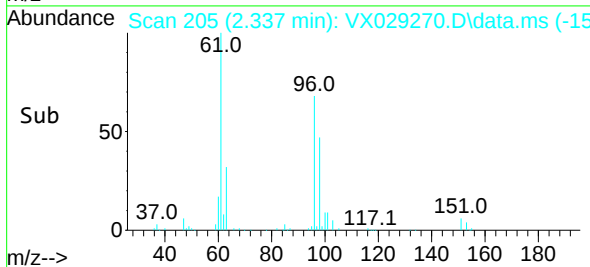
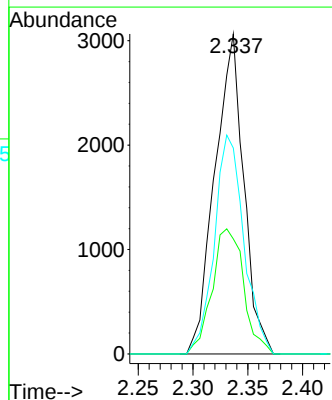
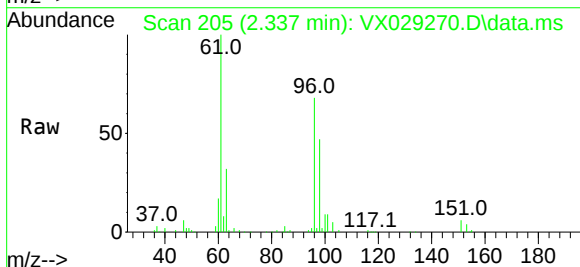
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

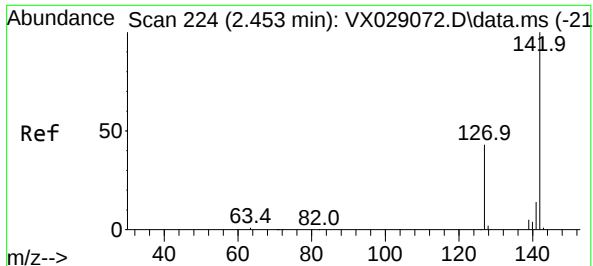
Tgt Ion: 94 Resp: 922
Ion Ratio Lower Upper
94 100
96 87.1 75.3 112.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.917 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 101 Resp: 5618
Ion Ratio Lower Upper
101 100
85 42.7 33.5 50.3
151 70.0 61.8 92.6

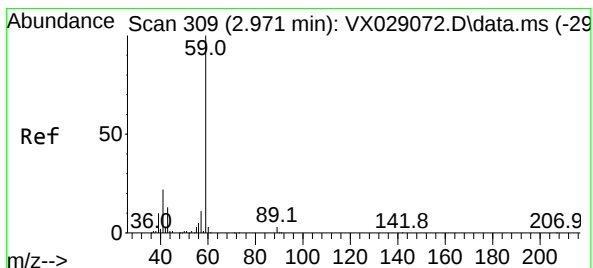
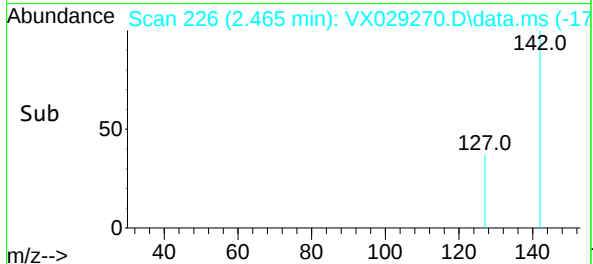
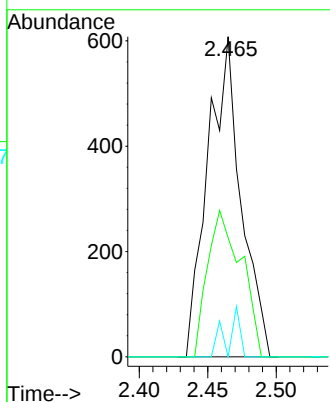
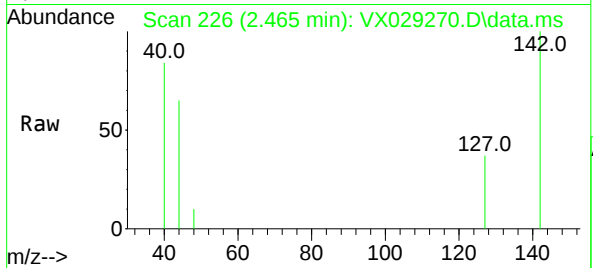




#10
Methyl Iodide
Concen: 4.489 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

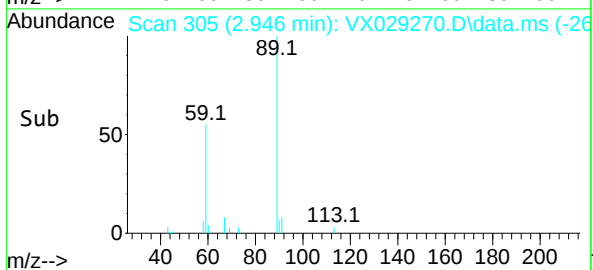
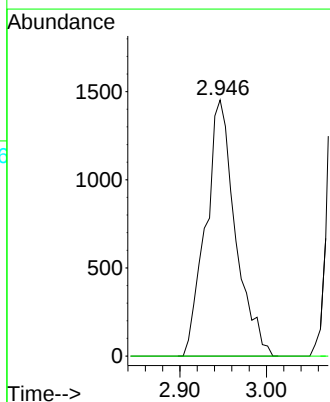
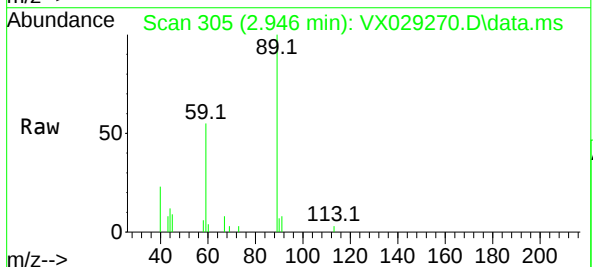
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

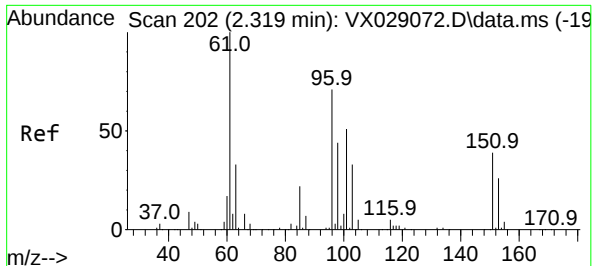
Tgt Ion:142 Resp: 1026
Ion Ratio Lower Upper
142 100
127 46.4 33.9 50.9
141 2.4 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.169 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 59 Resp: 3460
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 29.361 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX029270.D

Acq: 07 Jun 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20220531

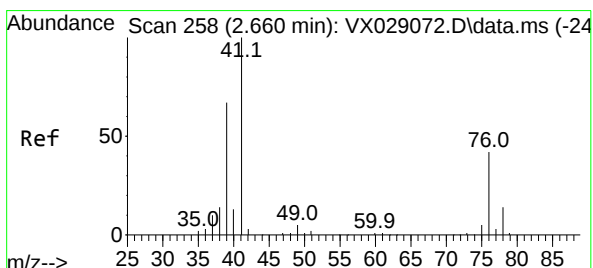
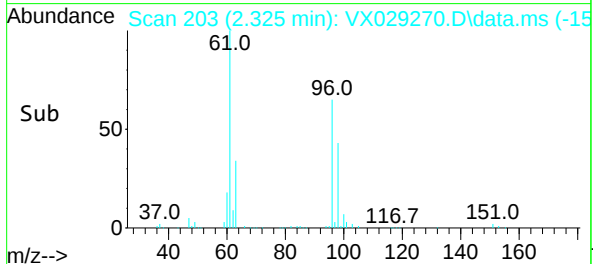
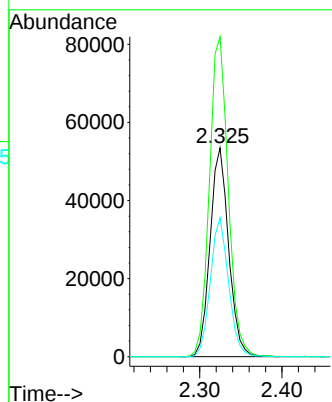
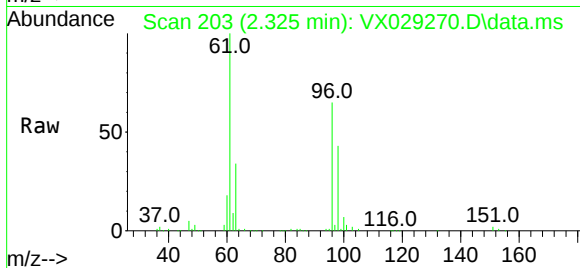
Tgt Ion: 96 Resp: 84076

Ion Ratio Lower Upper

96 100

61 153.3 124.6 187.0

98 66.6 51.0 76.4



#14

Allyl chloride

Concen: 0.592 ug/l

RT: 2.568 min Scan# 243

Delta R.T. -0.092 min

Lab File: VX029270.D

Acq: 07 Jun 2022 04:45

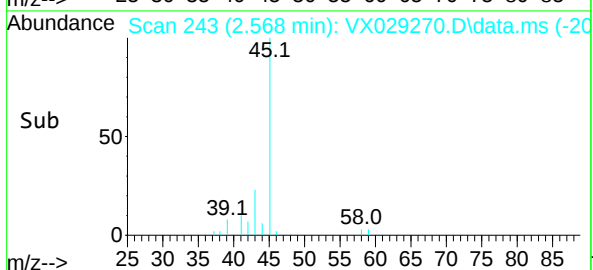
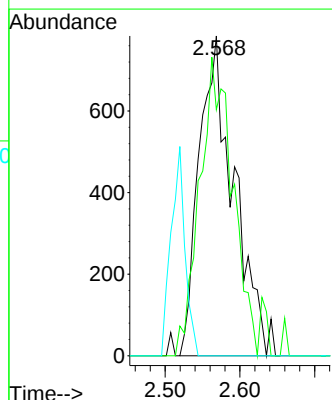
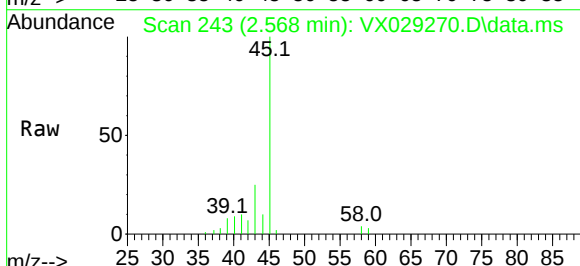
Tgt Ion: 41 Resp: 2544

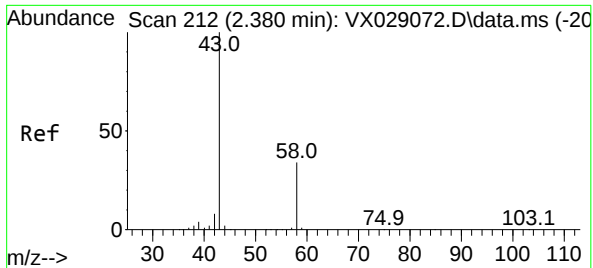
Ion Ratio Lower Upper

41 100

39 88.2 50.4 75.6#

76 0.0 32.7 49.1#

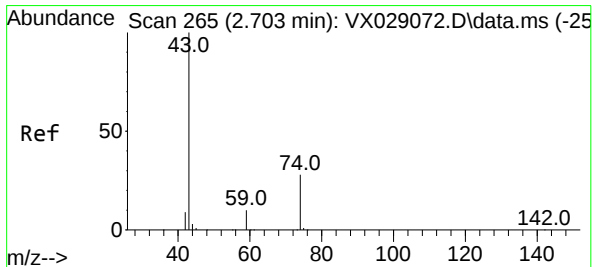
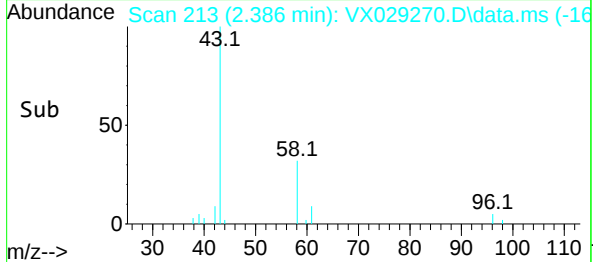
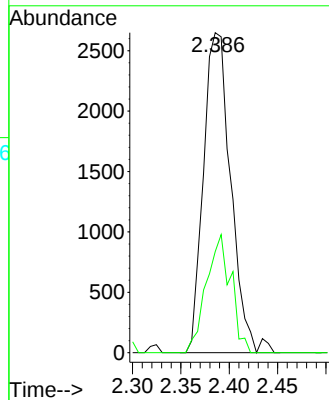
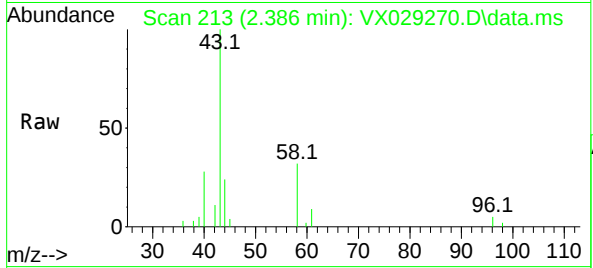




#16
Acetone
Concen: 3.701 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

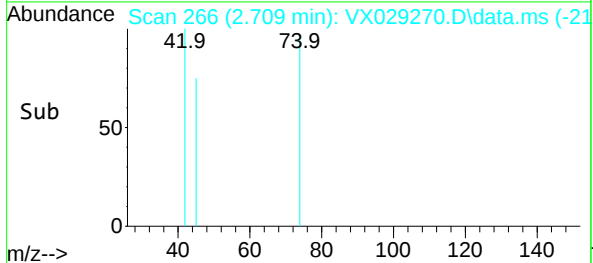
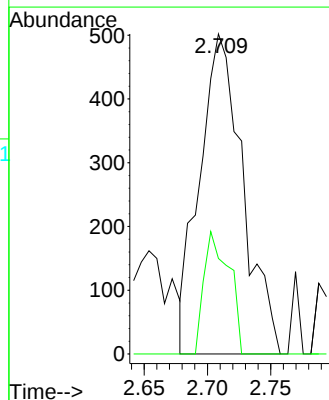
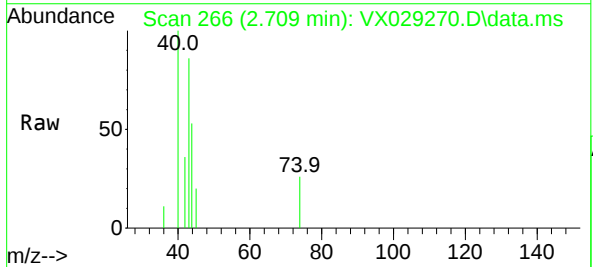
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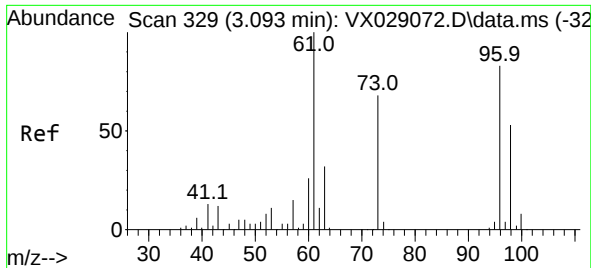
Tgt Ion: 43 Resp: 5222
Ion Ratio Lower Upper
43 100
58 31.6 28.8 43.2



#18
Methyl Acetate
Concen: 0.327 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
74 22.2 22.8 34.2#

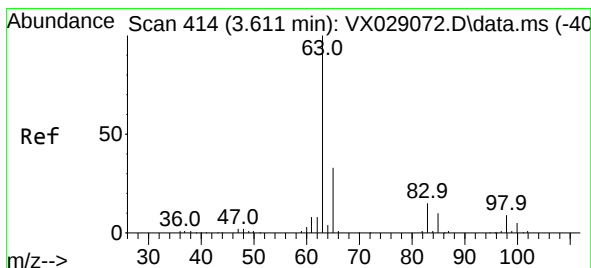
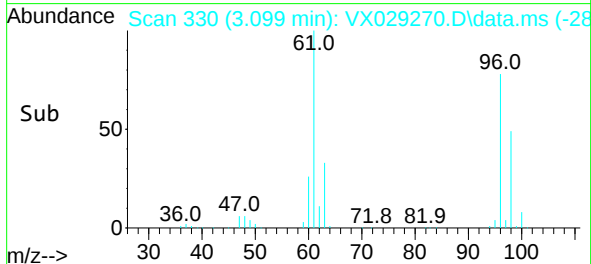
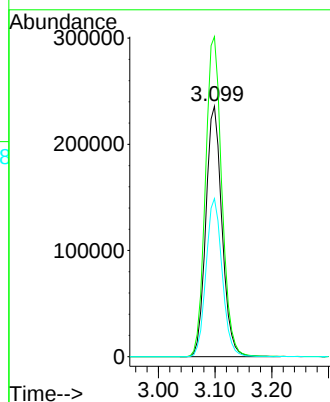
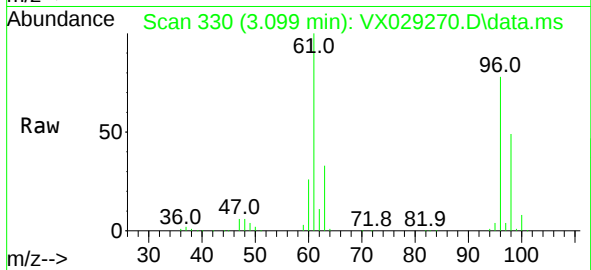




#21
trans-1,2-Dichloroethene
Concen: 144.573 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

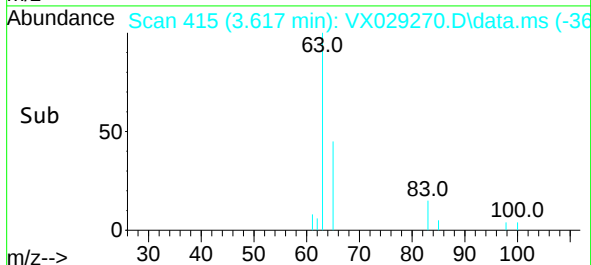
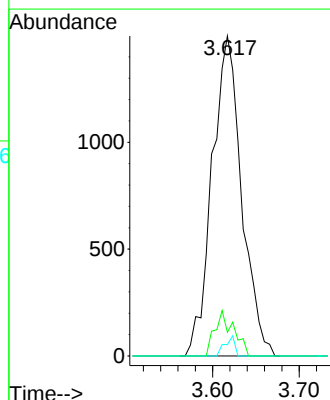
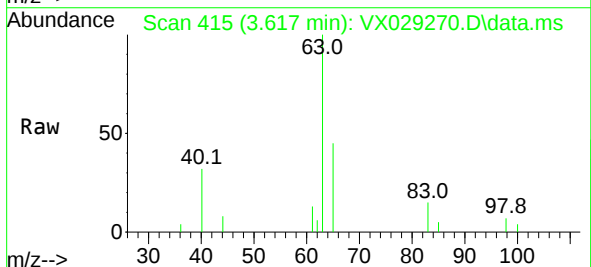
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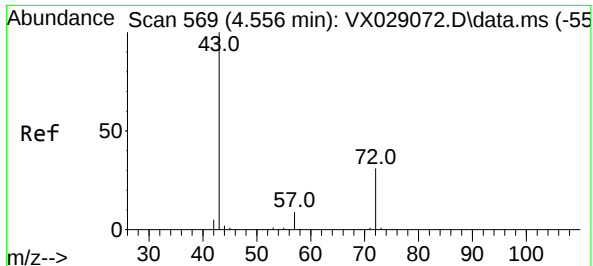
Tgt Ion: 96 Resp: 467056
Ion Ratio Lower Upper
96 100
61 127.8 105.4 158.2
98 63.1 50.0 75.0



#24
1,1-Dichloroethane
Concen: 0.669 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 63 Resp: 3558
Ion Ratio Lower Upper
63 100
98 7.4 3.9 11.7
100 3.5 2.4 7.2

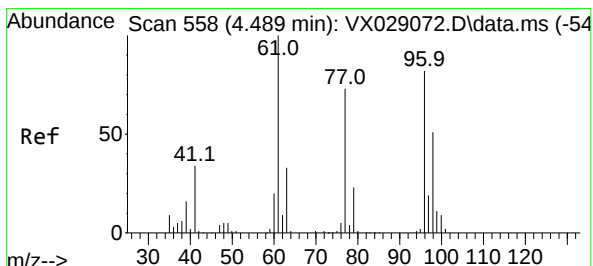
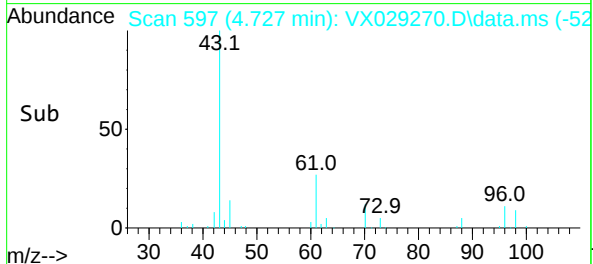
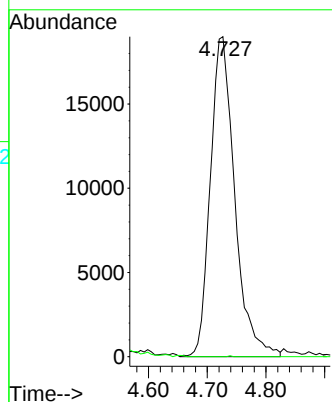
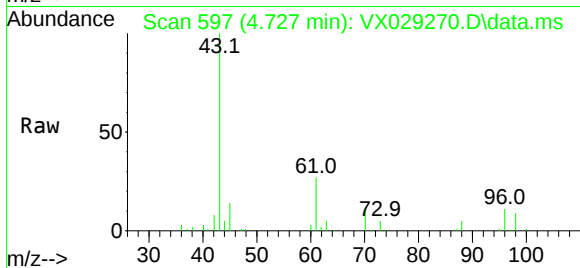




#25
2-Butanone
Concen: 24.093 ug/l
RT: 4.727 min Scan# 51
Delta R.T. 0.171 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

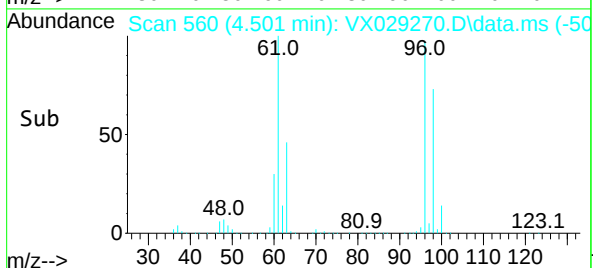
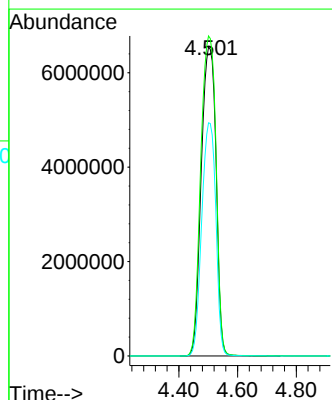
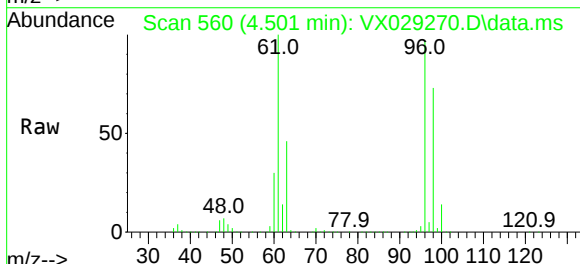
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

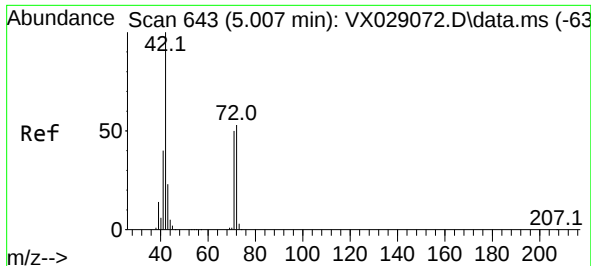
Tgt Ion: 43 Resp: 54829
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 5921.497 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 96 Resp: 22813789
Ion Ratio Lower Upper
96 100
61 107.0 0.0 283.8
98 72.0 0.0 129.8





#29

Tetrahydrofuran

Concen: 1.090 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX029270.D

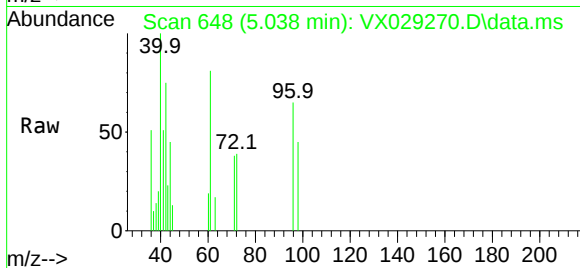
Acq: 07 Jun 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20220531



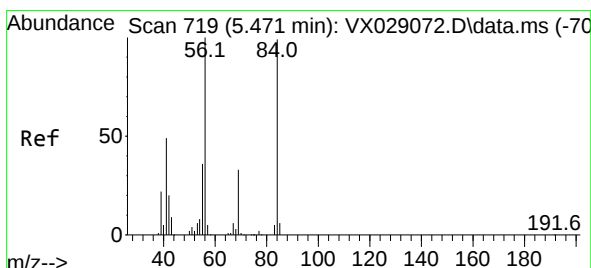
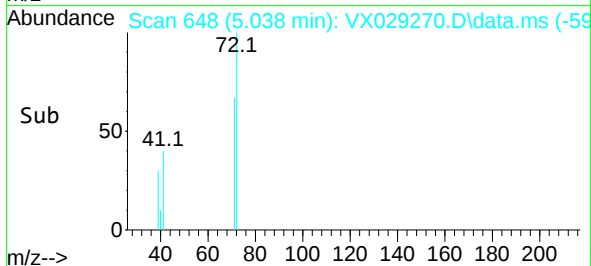
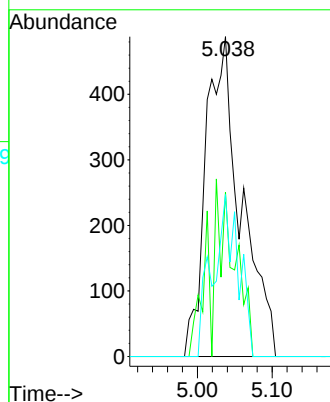
Tgt Ion: 42 Resp: 1591

Ion Ratio Lower Upper

42 100

72 29.1 44.1 66.1#

71 28.2 40.5 60.7#



#31

Cyclohexane

Concen: 1.323 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX029270.D

Acq: 07 Jun 2022 04:45

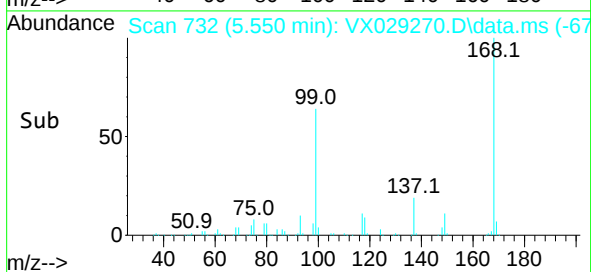
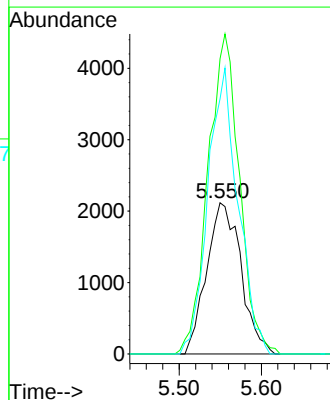
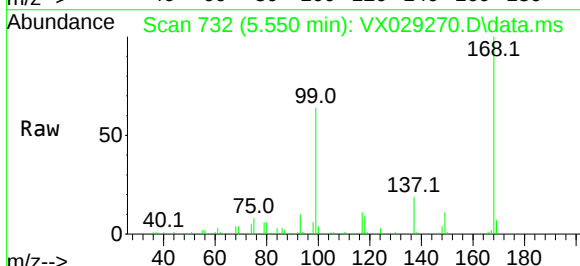
Tgt Ion: 56 Resp: 6163

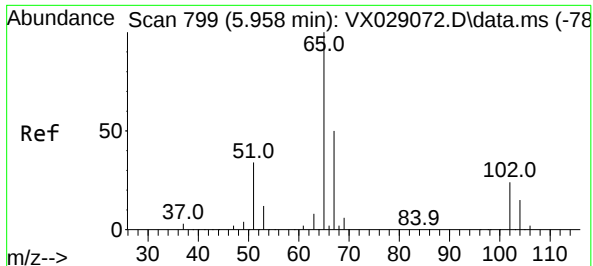
Ion Ratio Lower Upper

56 100

69 195.3 26.7 40.1#

84 168.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 62.284 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029270.D

Acq: 07 Jun 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

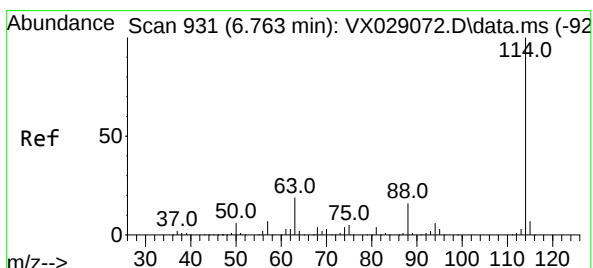
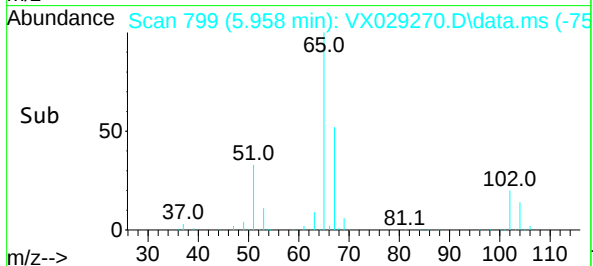
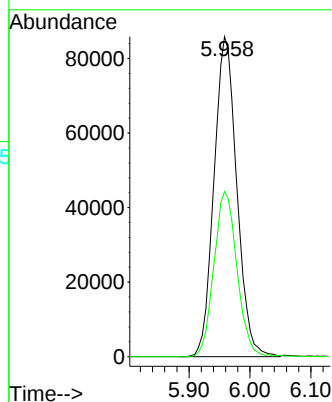
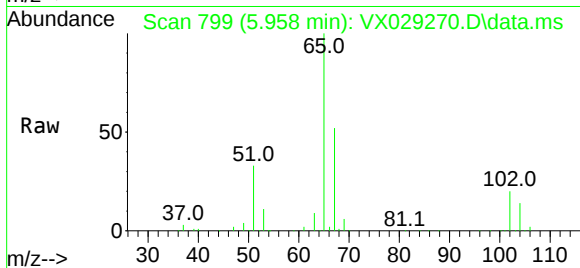
DUP05-20220531

Tgt Ion: 65 Resp: 223147

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029270.D

Acq: 07 Jun 2022 04:45

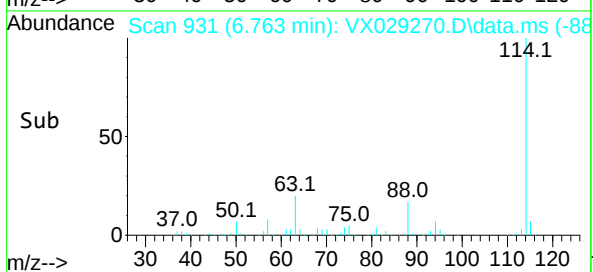
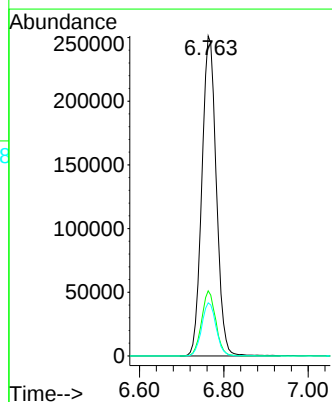
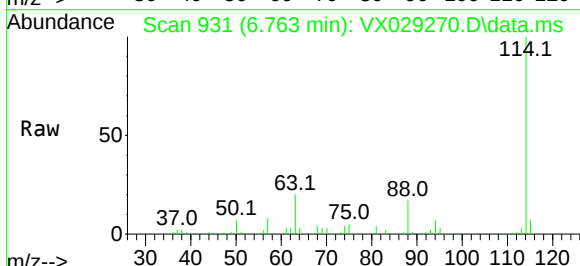
Tgt Ion: 114 Resp: 598979

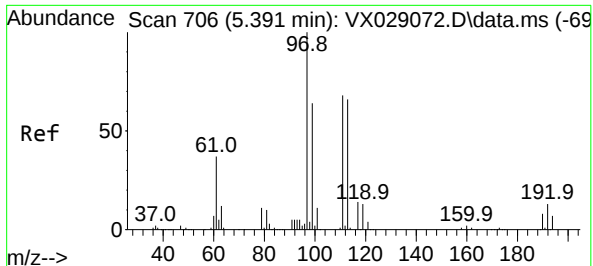
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.8

88 16.6 0.0 32.4

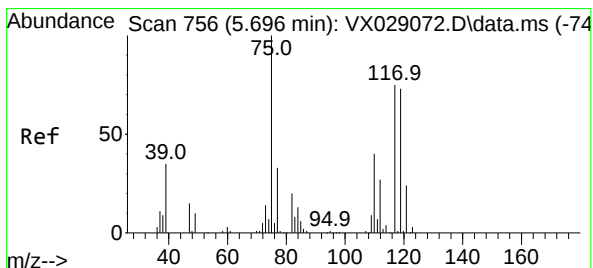
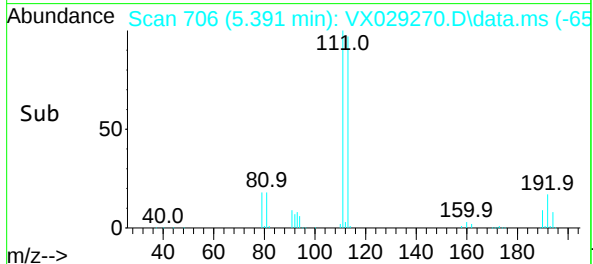
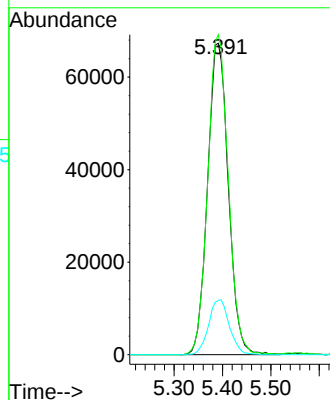
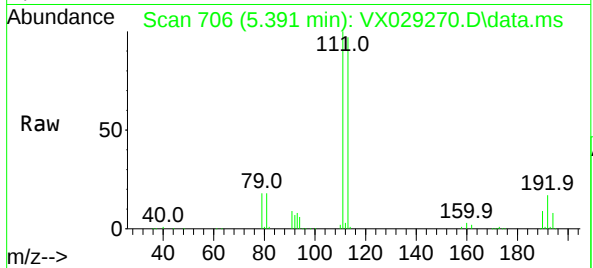




#35
Dibromofluoromethane
Concen: 50.421 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

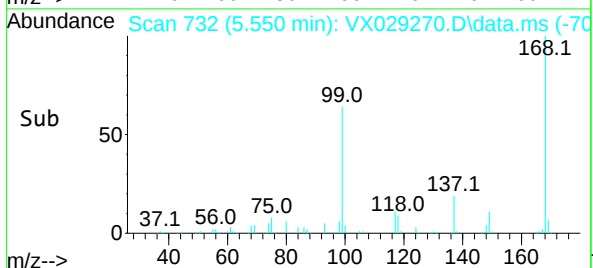
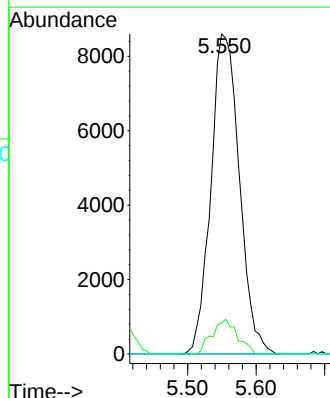
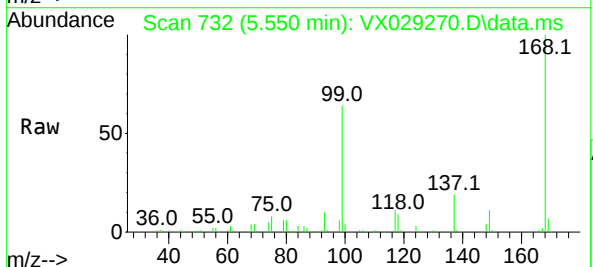
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

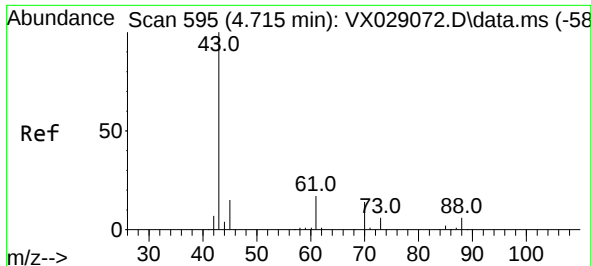
Tgt Ion:113 Resp: 200603
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 17.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.850 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 75 Resp: 24830
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 11.051 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX029270.D

Acq: 07 Jun 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20220531

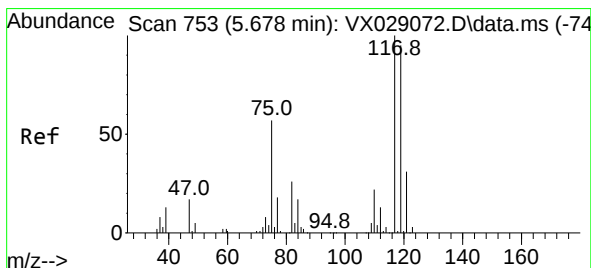
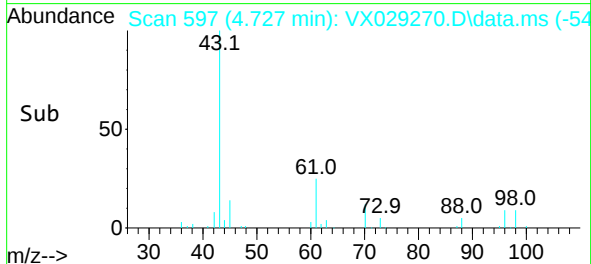
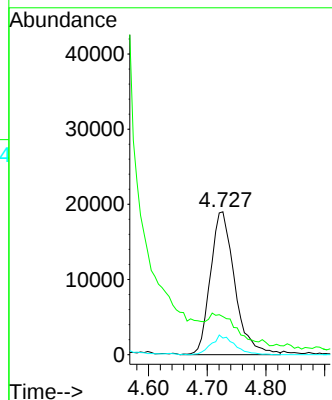
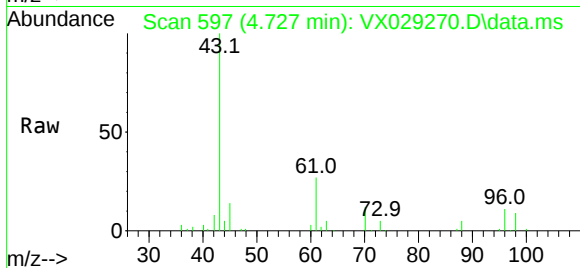
Tgt Ion: 43 Resp: 54829

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.836 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.116 min

Lab File: VX029270.D

Acq: 07 Jun 2022 04:45

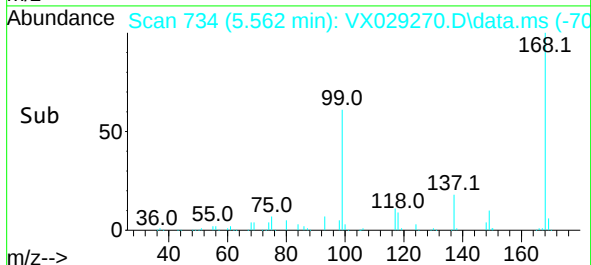
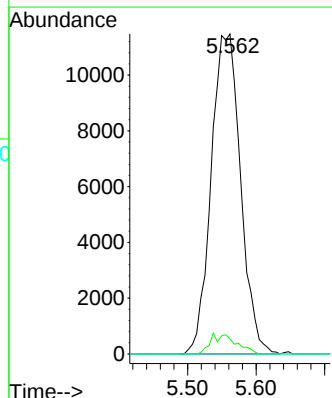
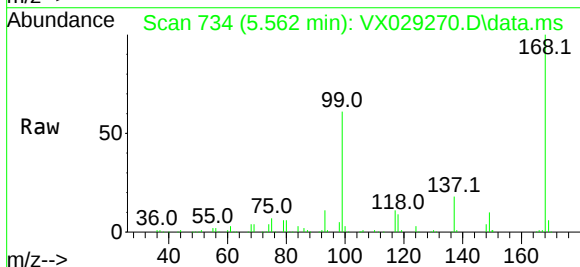
Tgt Ion: 117 Resp: 34144

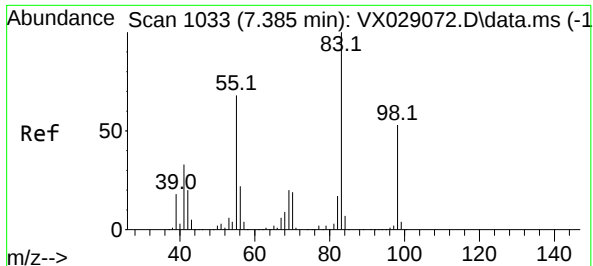
Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 24.2 36.2#

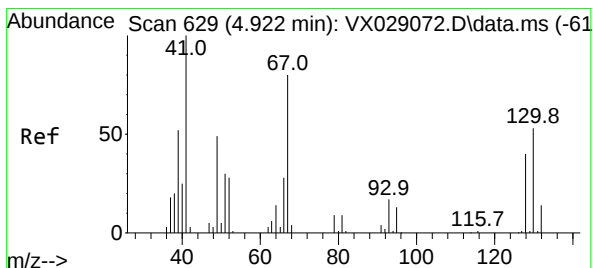
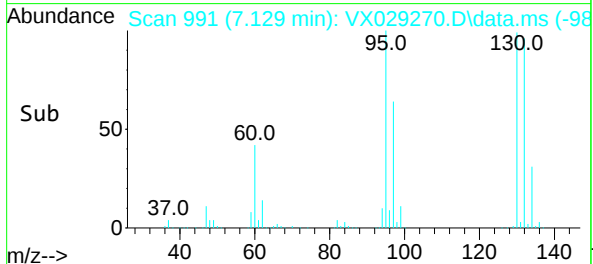
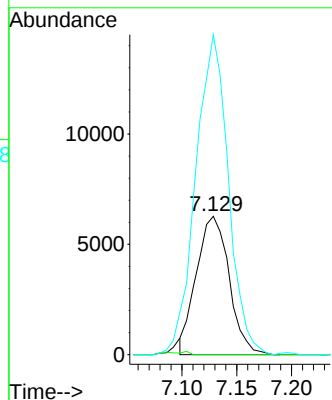
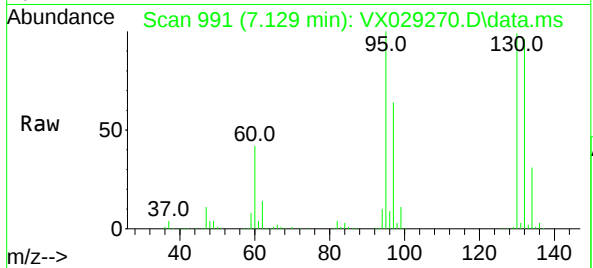




#39
Methylcyclohexane
Concen: 2.057 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

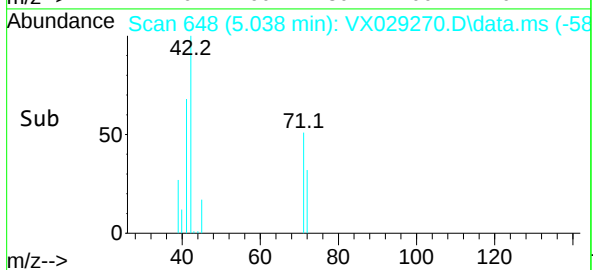
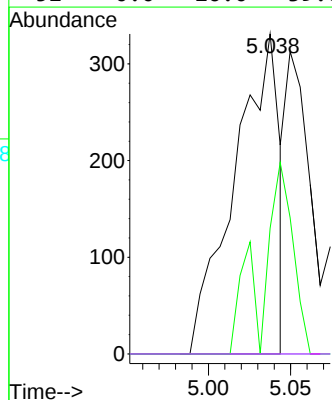
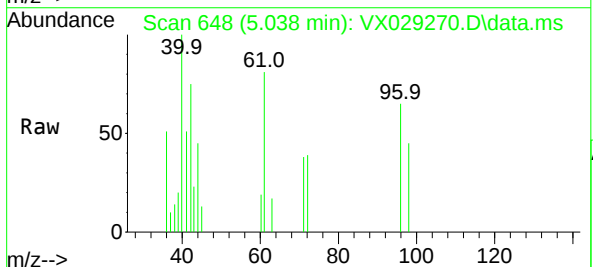
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

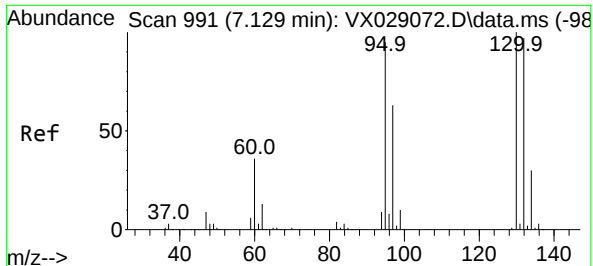
Tgt Ion: 83 Resp: 13020
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 230.2 37.4 56.2#



#41
Methacrylonitrile
Concen: 0.234 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 41 Resp: 627
Ion Ratio Lower Upper
41 100
39 30.5 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

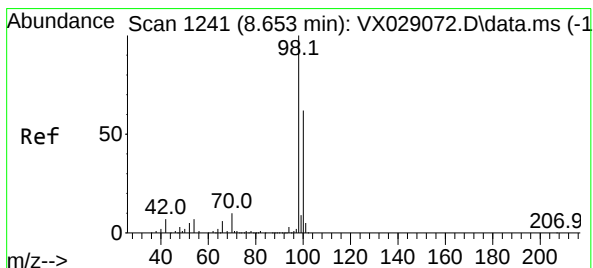
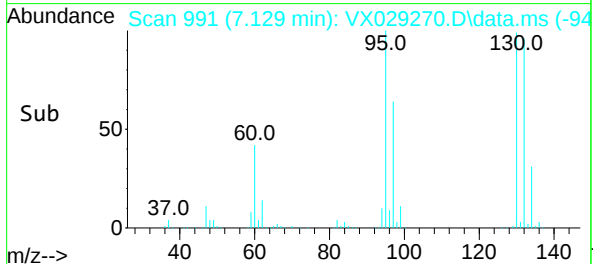
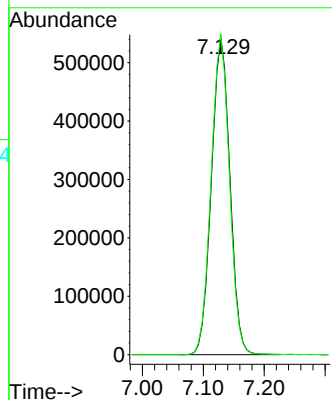
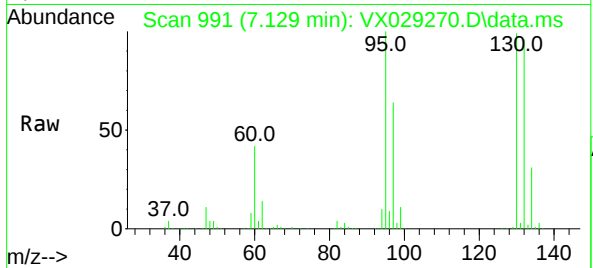




#44
Trichloroethene
Concen: 258.132 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

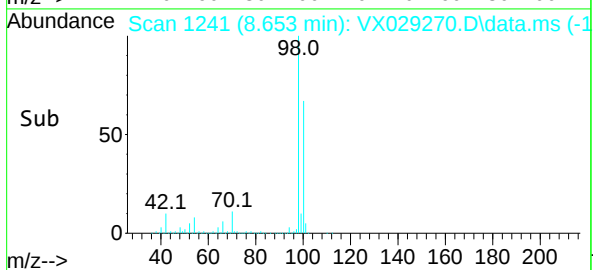
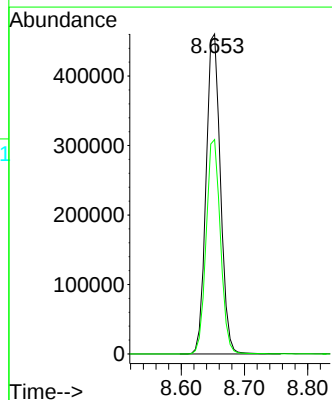
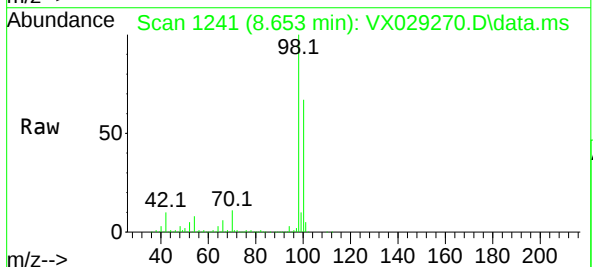
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

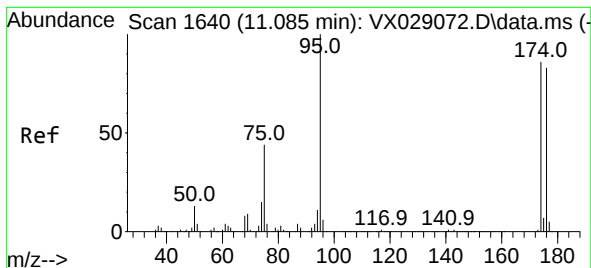
Tgt Ion:130 Resp: 1147128
Ion Ratio Lower Upper
130 100
95 100.9 0.0 188.8



#50
Toluene-d8
Concen: 50.038 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 98 Resp: 728119
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8

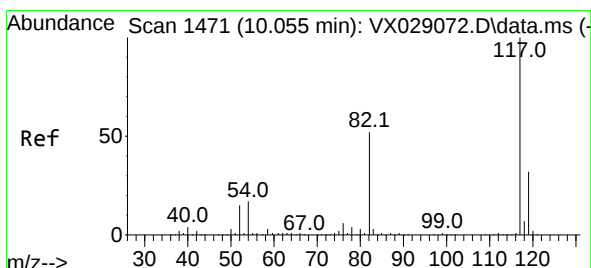
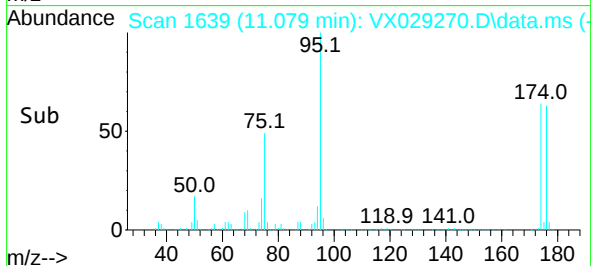
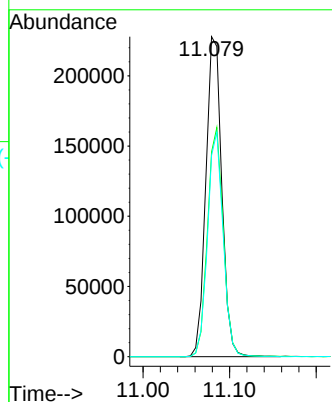
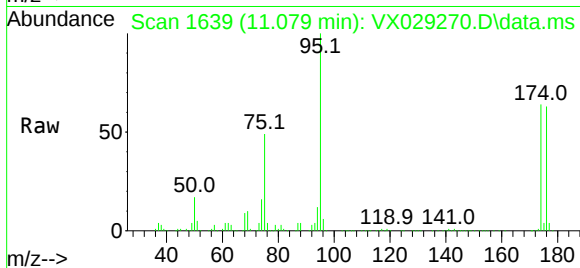




#62
4-Bromofluorobenzene
Concen: 51.893 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

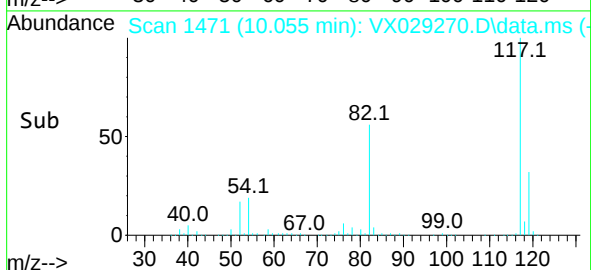
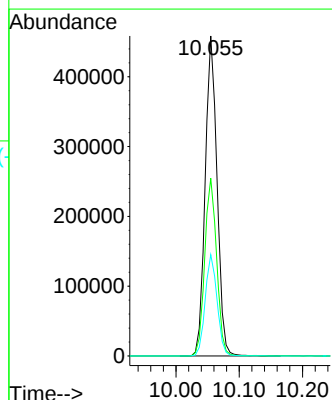
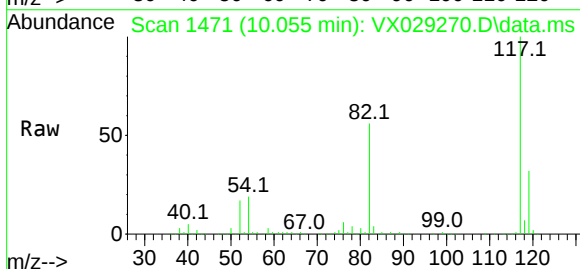
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

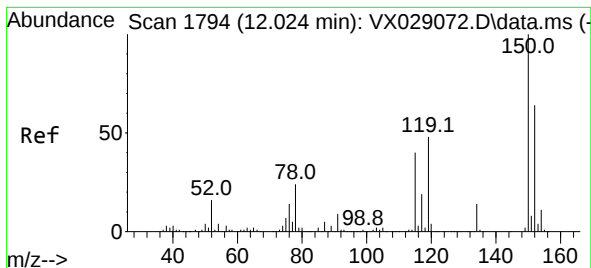
Tgt Ion: 95 Resp: 291888
Ion Ratio Lower Upper
95 100
174 70.7 0.0 163.0
176 68.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

Tgt Ion: 117 Resp: 598371
Ion Ratio Lower Upper
117 100
82 55.6 41.8 62.8
119 31.7 24.8 37.2

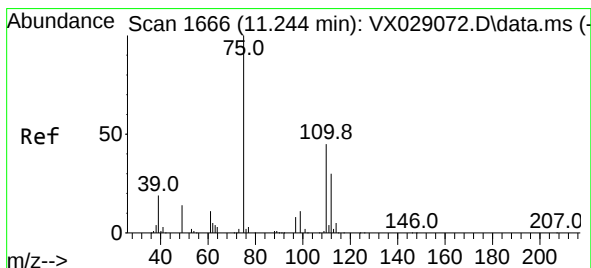
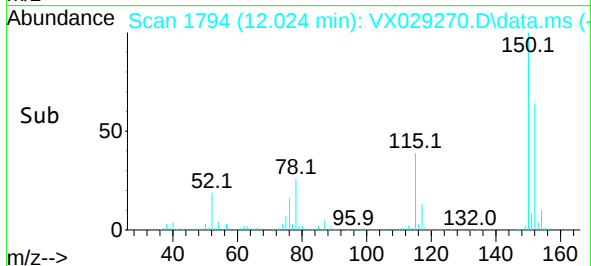
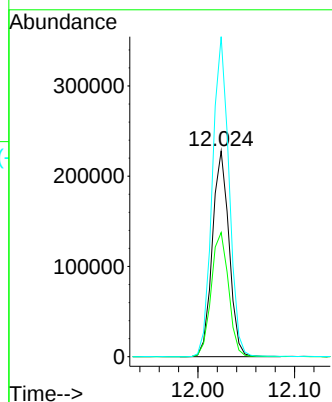
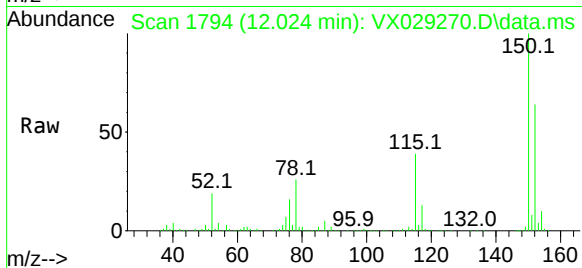




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

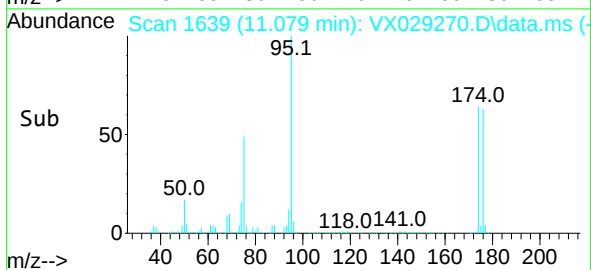
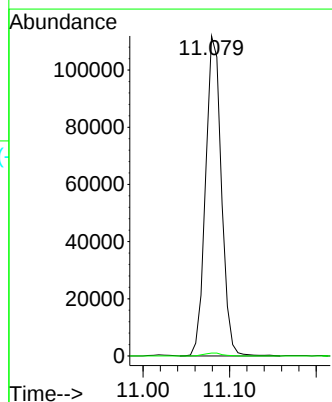
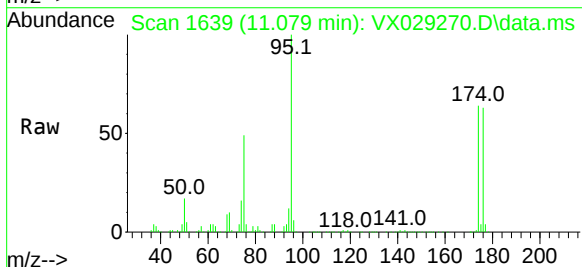
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20220531

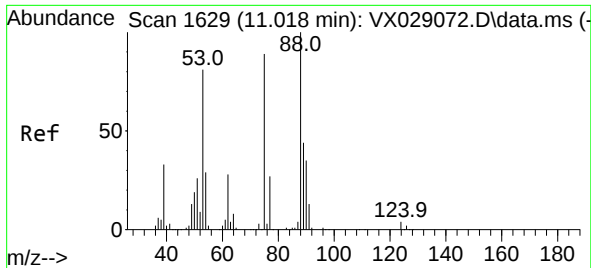
Tgt Ion:152 Resp: 272879
Ion Ratio Lower Upper
152 100
115 62.8 37.5 112.7
150 156.0 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029270.D
Acq: 07 Jun 2022 04:45

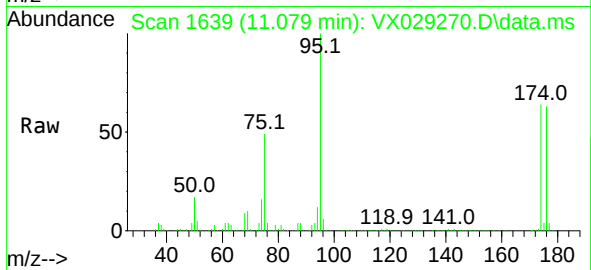
Tgt Ion: 75 Resp: 142217
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.426 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029270.D
 Acq: 07 Jun 2022 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20220531



Tgt Ion: 75 Resp: 142217
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

