

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041422\
 Data File : VX028119.D
 Acq On : 14 Apr 2022 19:55
 Operator : JC/MD
 Sample : N2403-09DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-49DL

Quant Time: Apr 15 03:18:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

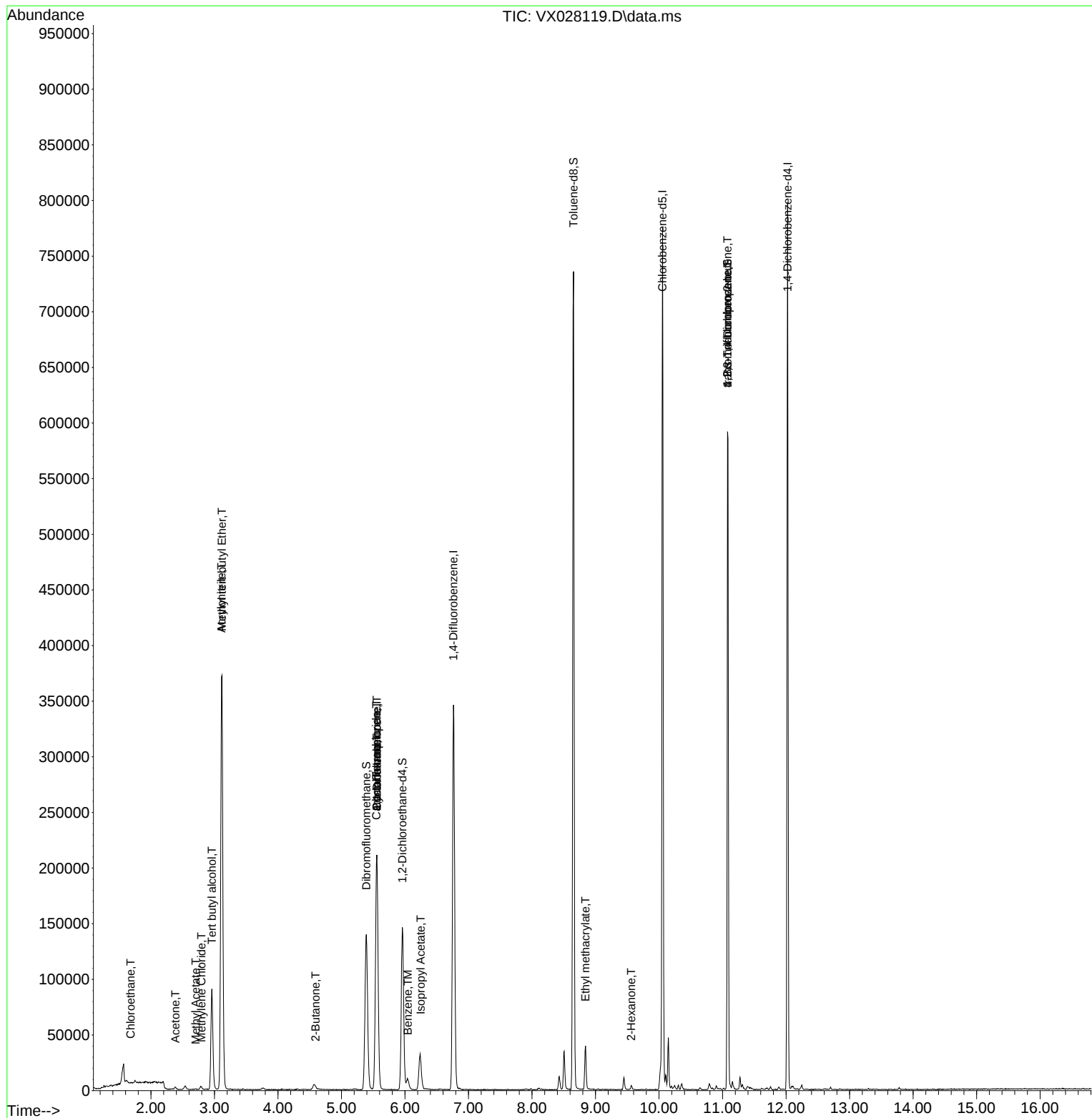
Internal Standards						
1) Pentafluorobenzene	5.556	168	206820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	354855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	336694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	131443	46.846	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.700%
35) Dibromofluoromethane	5.391	113	116123	49.940	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.880%
50) Toluene-d8	8.653	98	433414	49.977	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.960%
62) 4-Bromofluorobenzene	11.079	95	142540	44.021	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.040%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	670	Below Cal	#	61
6) Chloroethane	1.679	64	298	2.731	ug/l #	43
11) Tert butyl alcohol	2.959	59	107128	164.480	ug/l	99
13) Acrolein	2.178	56	235	Below Cal	#	56
15) Acrylonitrile	3.111	53	4580	3.394	ug/l #	35
16) Acetone	2.386	43	2289	1.958	ug/l	94
18) Methyl Acetate	2.703	43	840	0.269	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	429777	56.057	ug/l	97
20) Methylene Chloride	2.794	84	765	0.329	ug/l #	86
25) 2-Butanone	4.593	43	1122	0.555	ug/l #	44
31) Cyclohexane	5.556	56	4874	1.263	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	15927	4.488	ug/l #	50
38) Carbon Tetrachloride	5.550	117	20600	5.437	ug/l #	15
40) Benzene	6.044	78	10632	1.030	ug/l	95
43) Isopropyl Acetate	6.245	43	9287	1.348	ug/l #	57
56) Ethyl methacrylate	8.842	69	3307	0.754	ug/l #	53
59) 2-Hexanone	9.561	43	861	0.250	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	78775	23.180	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	78775	65.287	ug/l #	15

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

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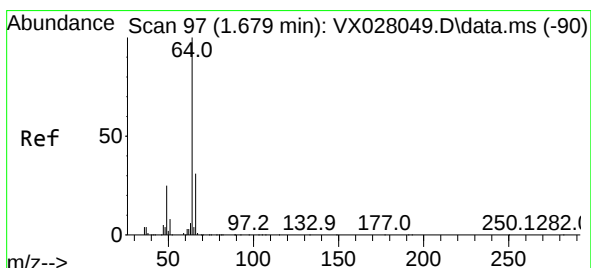
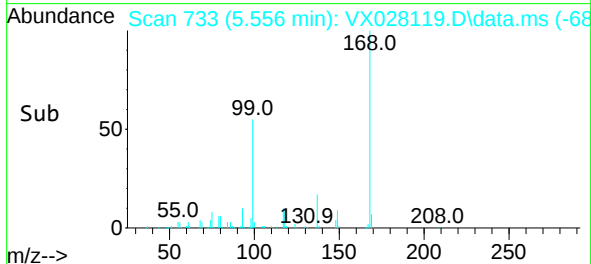
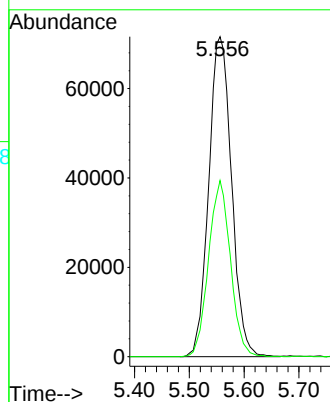
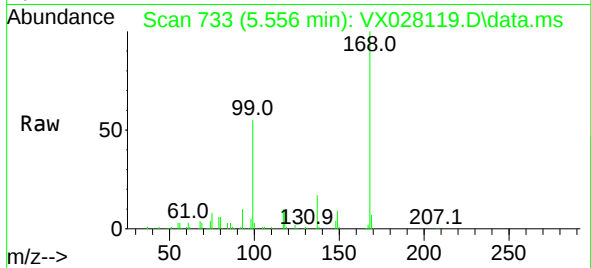




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

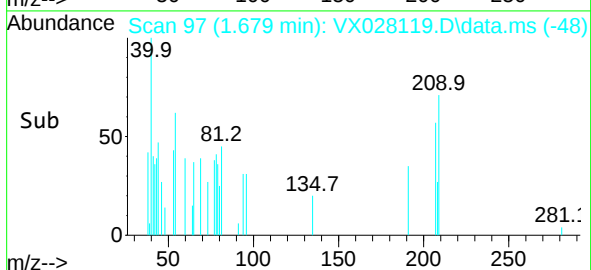
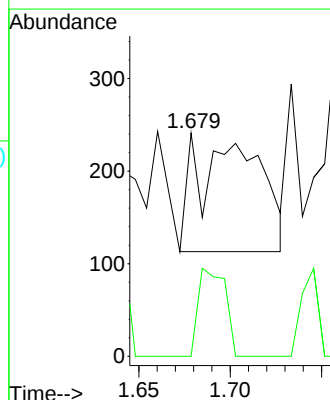
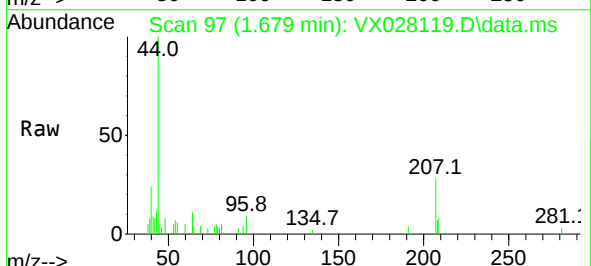
Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

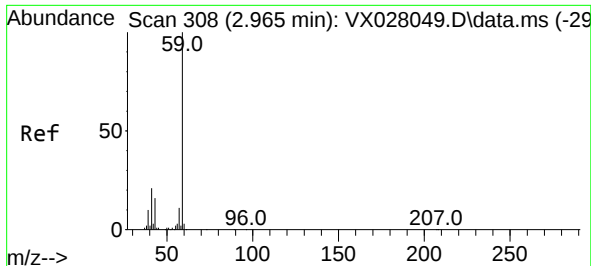
Tgt Ion:168 Resp: 206820
Ion Ratio Lower Upper
168 100
99 55.0 41.7 62.5



#6
Chloroethane
Concen: 2.731 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

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





#11

Tert butyl alcohol

Concen: 164.480 ug/l

RT: 2.959 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX028119.D

Acq: 14 Apr 2022 19:55

Instrument :

MSVOA_X

ClientSampleId :

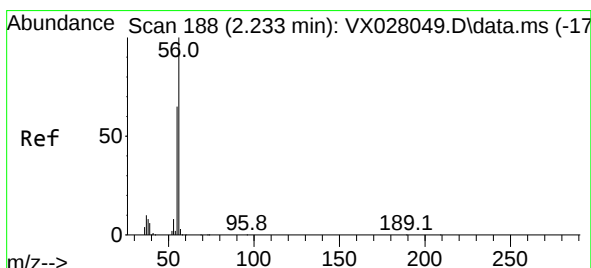
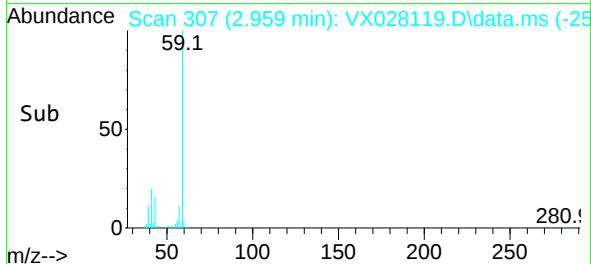
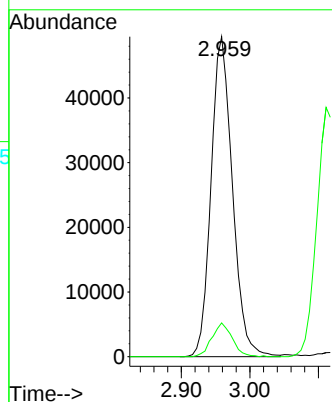
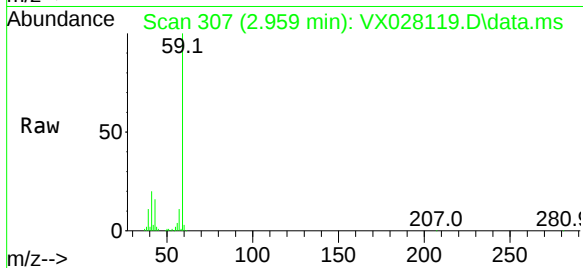
MW-49DL

Tgt Ion: 59 Resp: 107128

Ion Ratio Lower Upper

59 100

57 10.1 8.3 12.5



#13

Acrolein

Concen: Below Cal

RT: 2.178 min Scan# 179

Delta R.T. -0.055 min

Lab File: VX028119.D

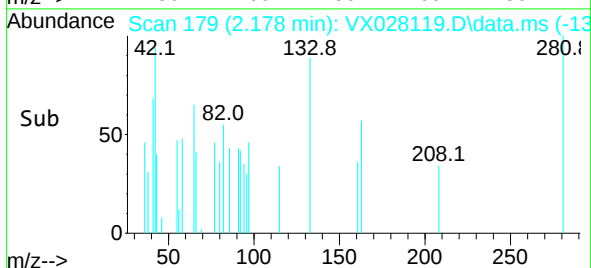
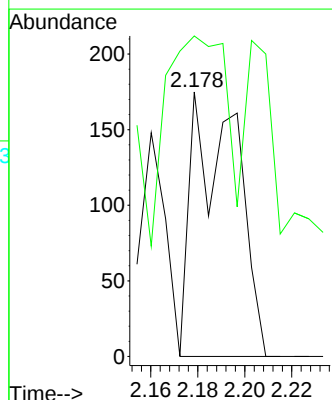
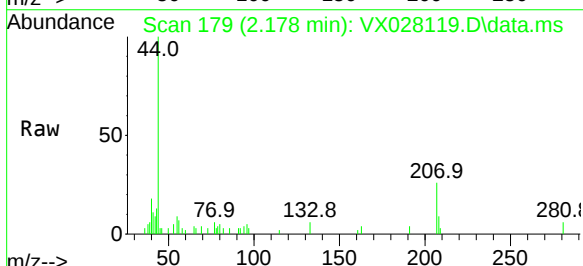
Acq: 14 Apr 2022 19:55

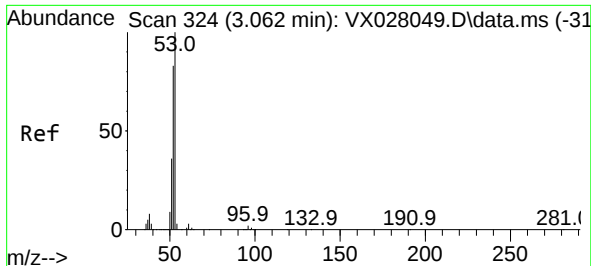
Tgt Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 104.7 55.0 82.6#

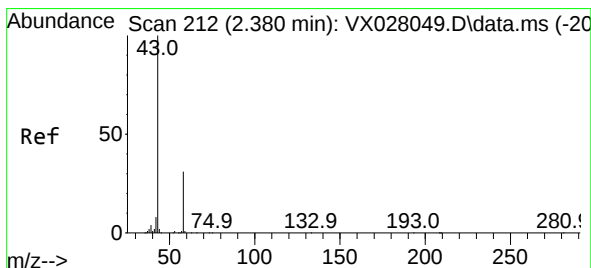
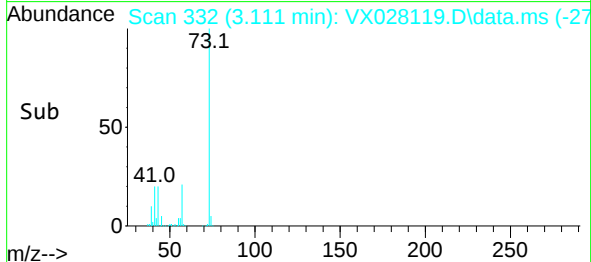
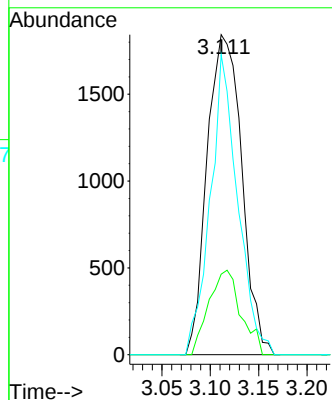
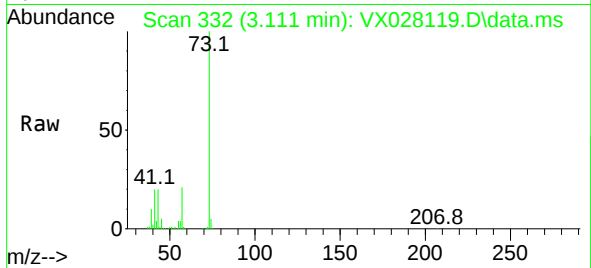




#15
Acrylonitrile
Concen: 3.394 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.049 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

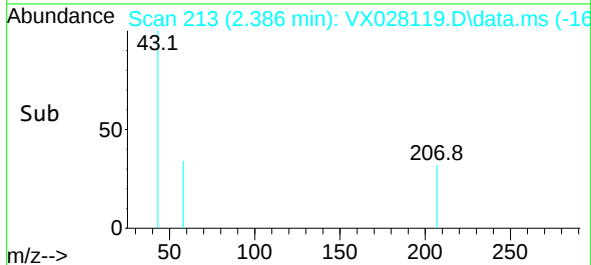
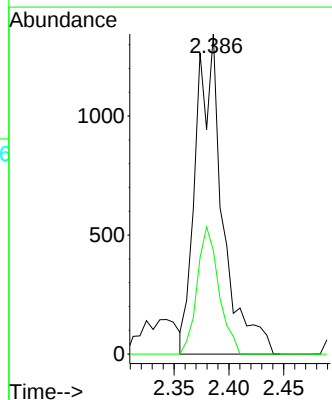
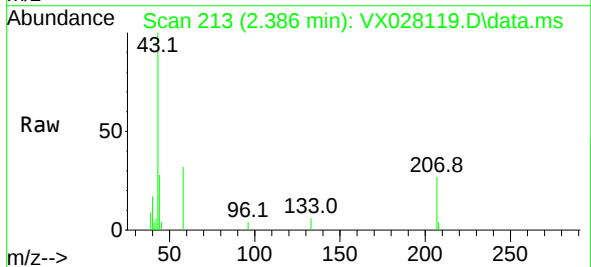
Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

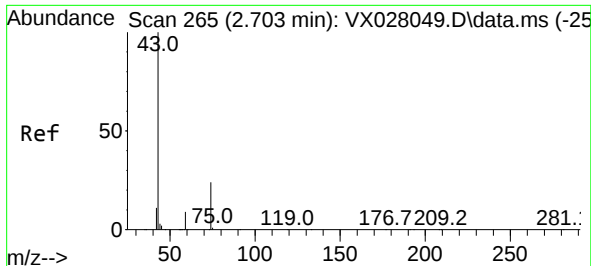
Tgt Ion: 53 Resp: 4580
Ion Ratio Lower Upper
53 100
52 24.6 65.7 98.5#
51 74.7 28.4 42.6#



#16
Acetone
Concen: 1.958 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 43 Resp: 2289
Ion Ratio Lower Upper
43 100
58 32.4 28.8 43.2

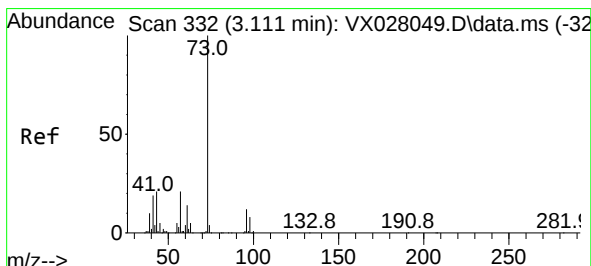
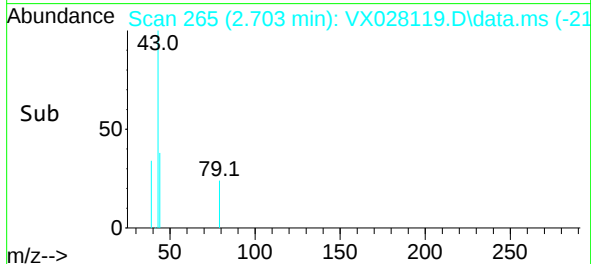
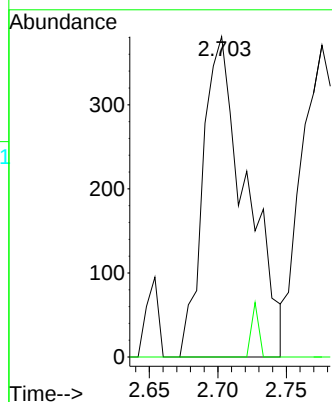
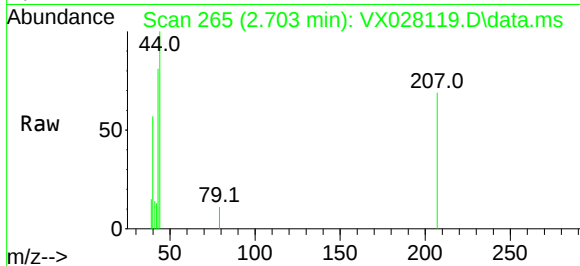




#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

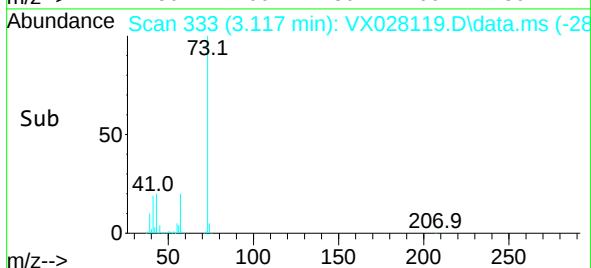
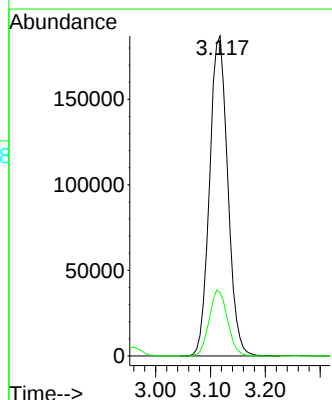
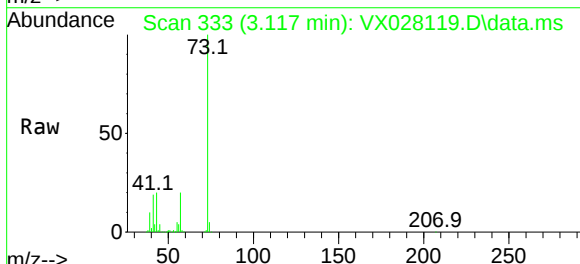
Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

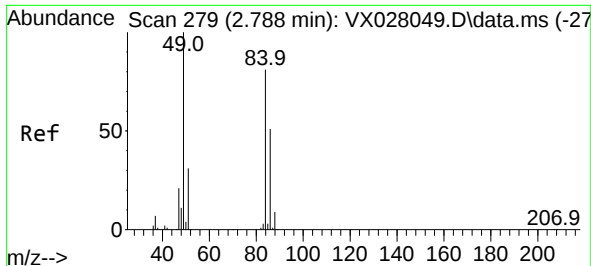
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#19
Methyl tert-butyl Ether
Concen: 56.057 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 73 Resp: 429777
Ion Ratio Lower Upper
73 100
57 19.8 16.8 25.2

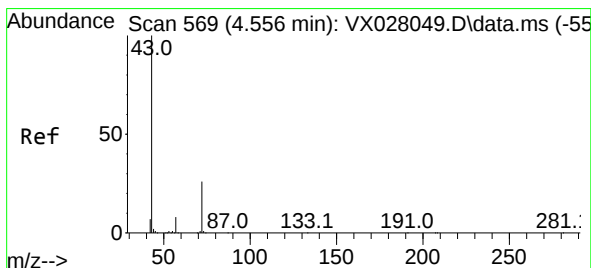
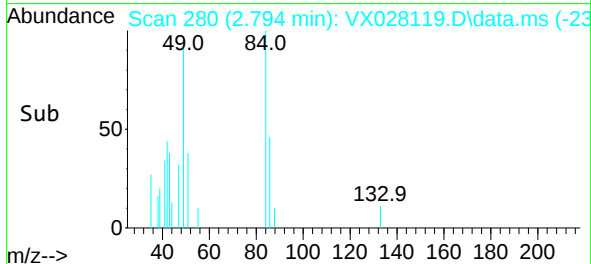
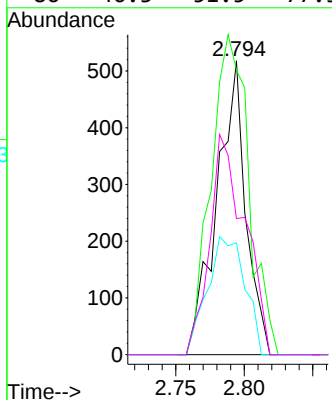
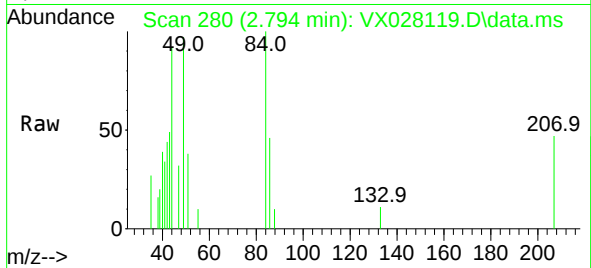




#20
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

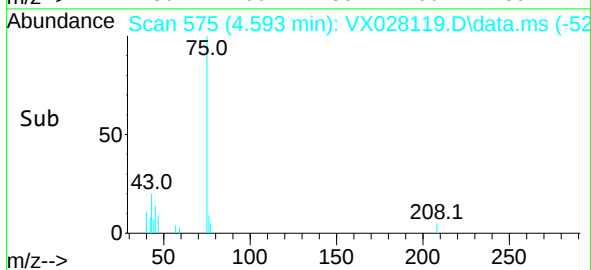
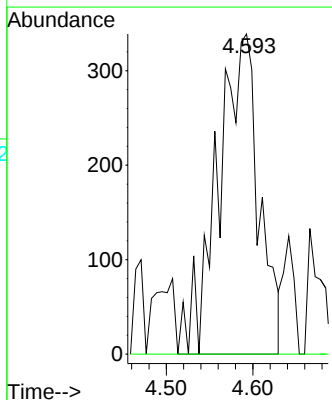
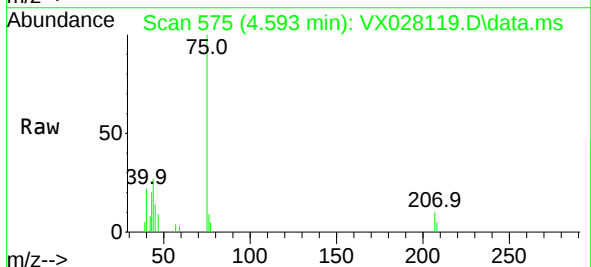
Instrument :
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ClientSampleId :
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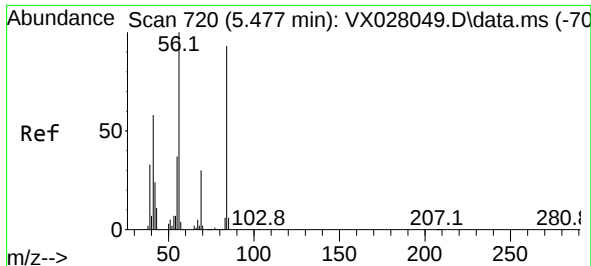
Tgt Ion:	84	Resp:	765
Ion	Ratio	Lower	Upper
84	100		
49	96.9	85.5	128.3
51	38.0	26.6	39.8
86	46.3	51.5	77.3



#25
2-Butanone
Concen: 0.555 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion:	43	Resp:	1122
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.4	36.6

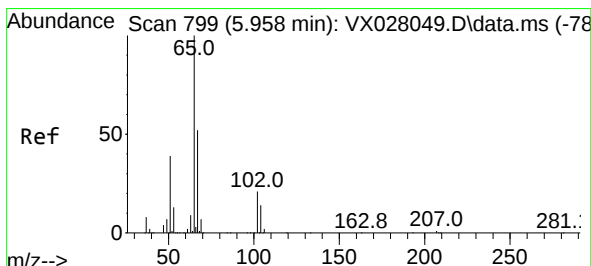
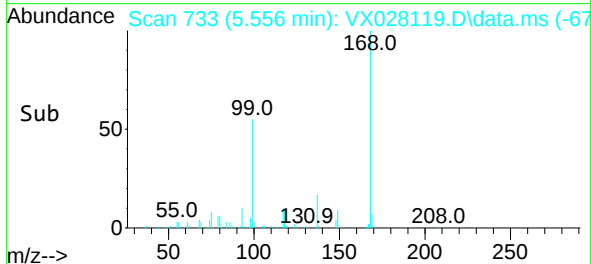
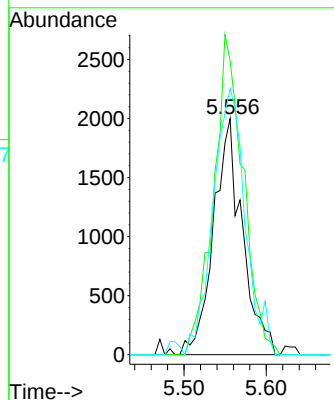
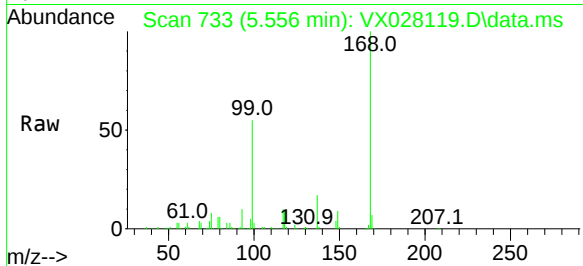




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.079 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

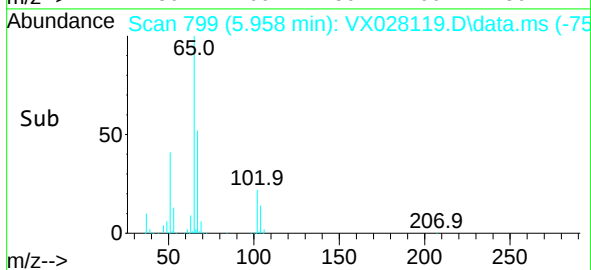
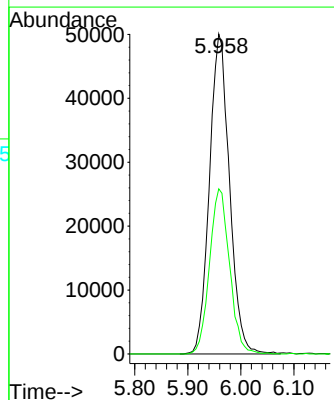
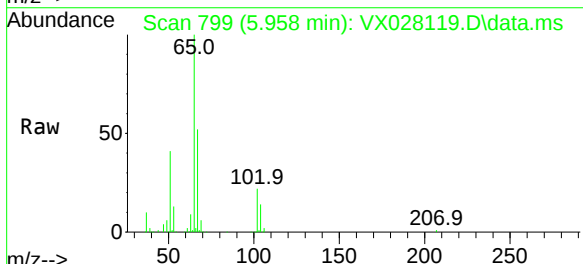
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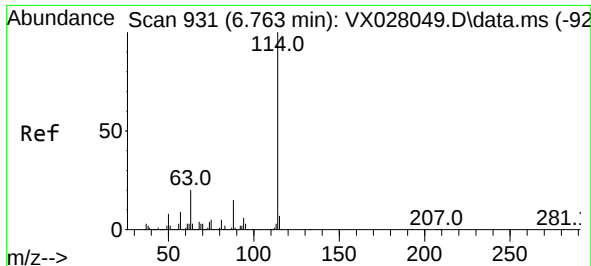
Tgt Ion: 56 Resp: 4874
Ion Ratio Lower Upper
56 100
69 124.5 26.7 40.1#
84 112.7 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 46.846 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 65 Resp: 131443
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4

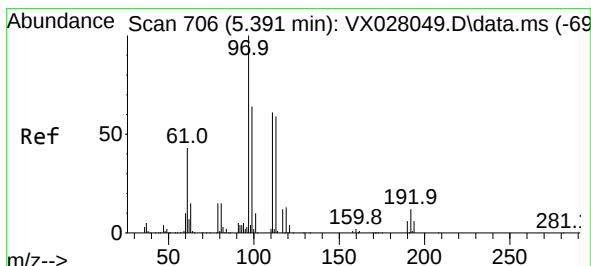
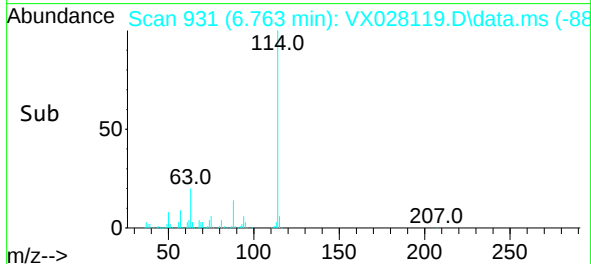
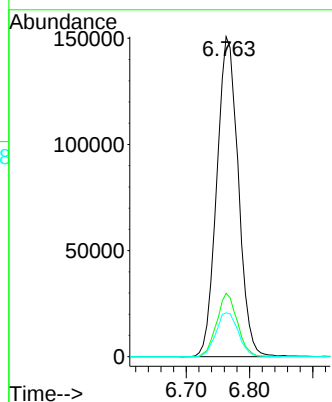
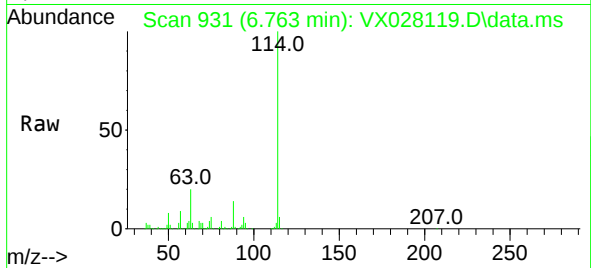




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

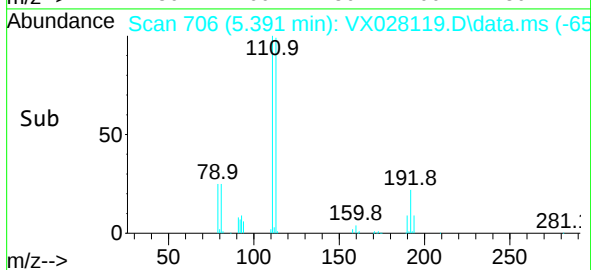
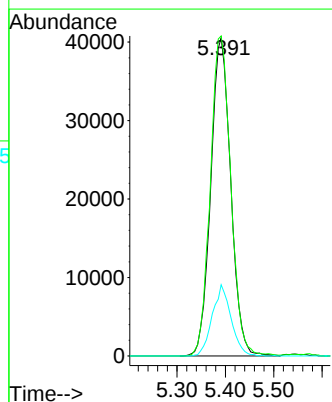
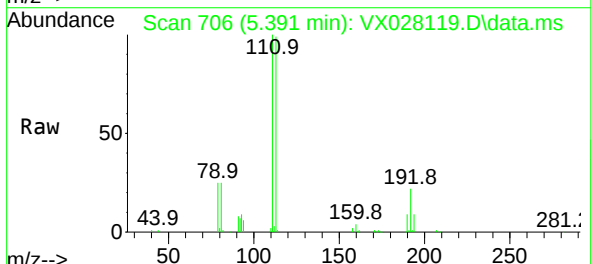
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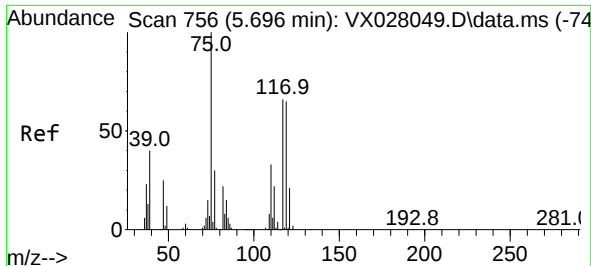
Tgt Ion:114 Resp: 354855
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 13.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.940 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion:113 Resp: 116123
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 21.1 16.9 25.3

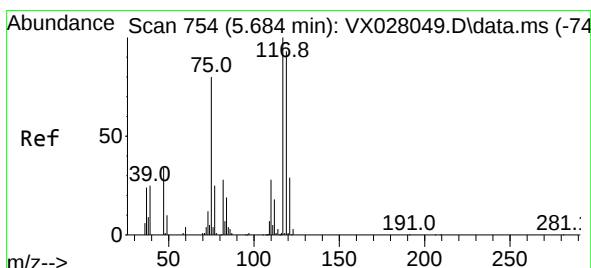
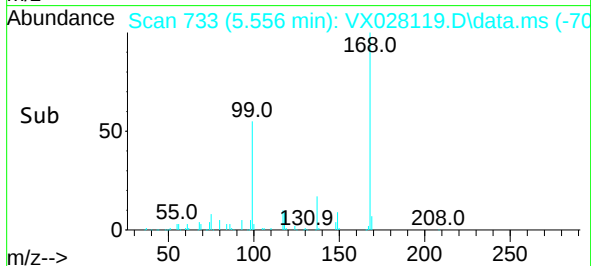
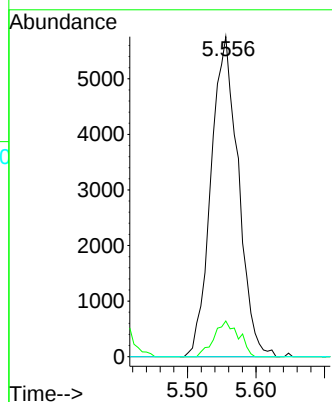
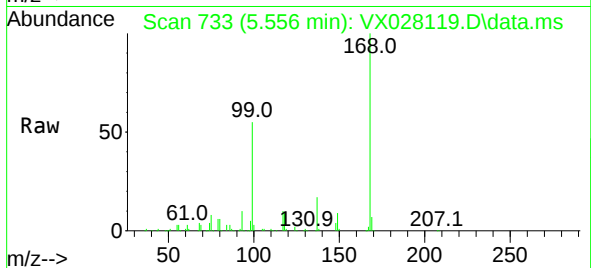




#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

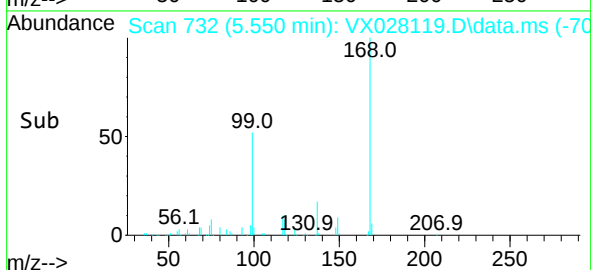
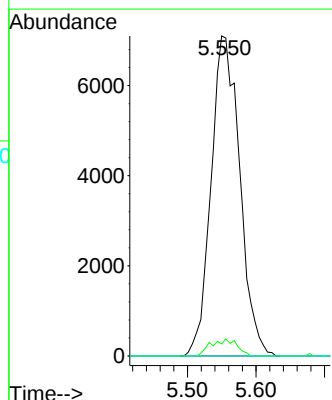
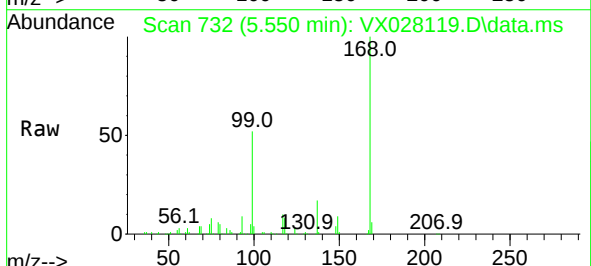
Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

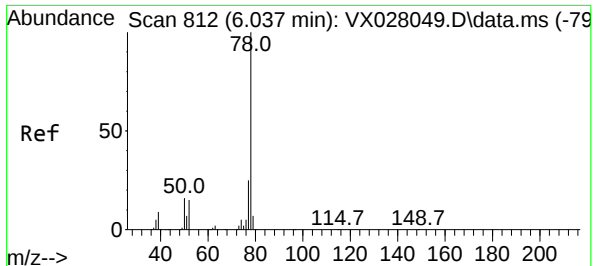
Tgt Ion: 75 Resp: 15927
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.437 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 117 Resp: 20600
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.2 36.2#

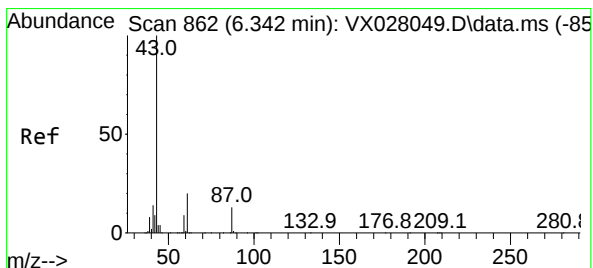
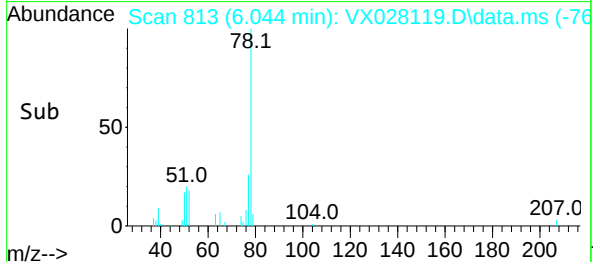
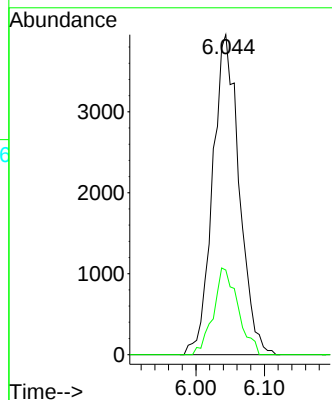
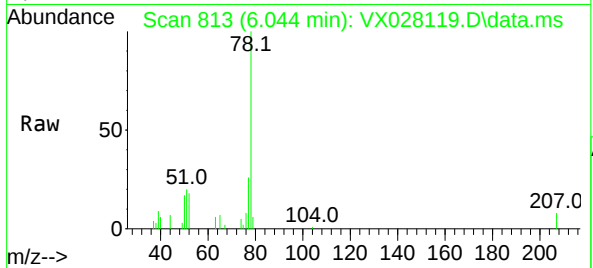




#40
Benzene
Concen: 1.030 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

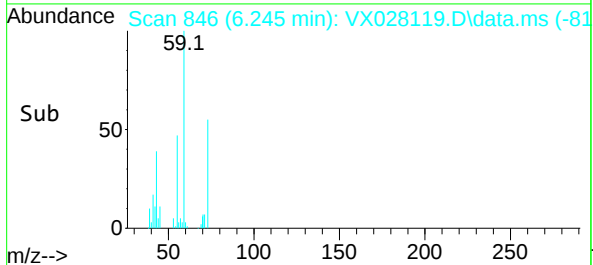
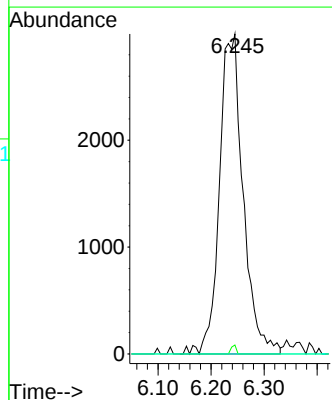
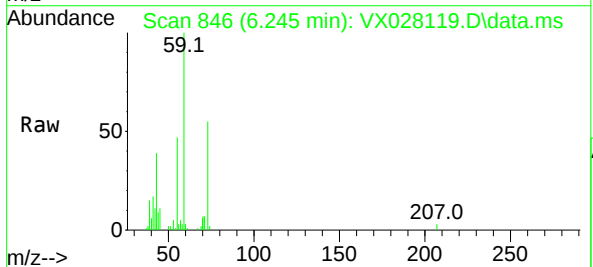
Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

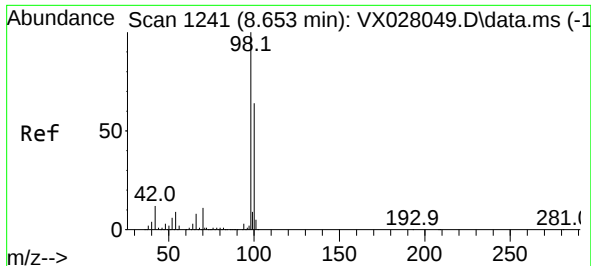
Tgt Ion: 78 Resp: 10632
Ion Ratio Lower Upper
78 100
77 26.5 19.3 28.9



#43
Isopropyl Acetate
Concen: 1.348 ug/l
RT: 6.245 min Scan# 846
Delta R.T. -0.097 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 43 Resp: 9287
Ion Ratio Lower Upper
43 100
61 0.6 18.5 27.7#
87 0.0 13.0 19.6#

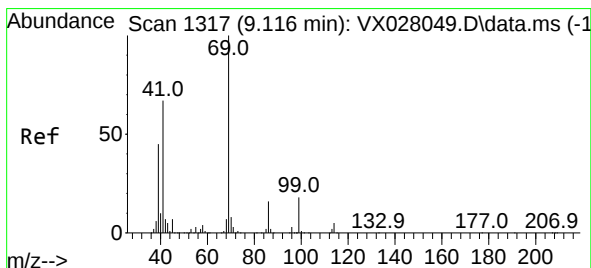
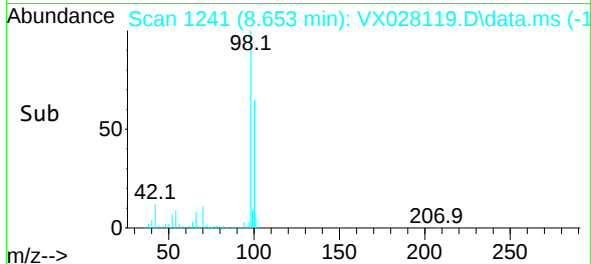
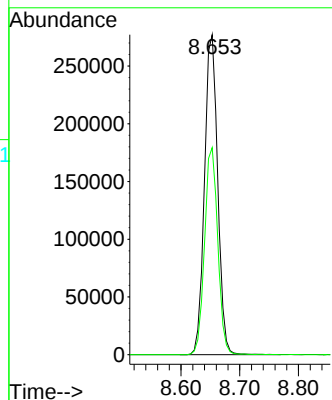
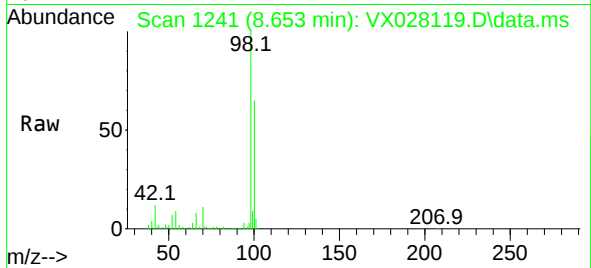




#50
Toluene-d8
Concen: 49.977 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

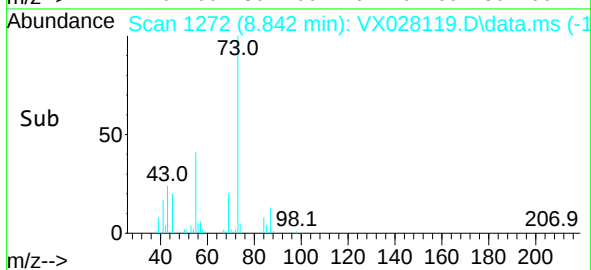
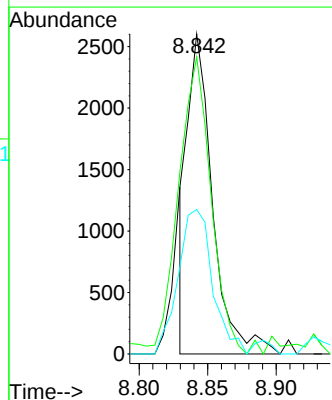
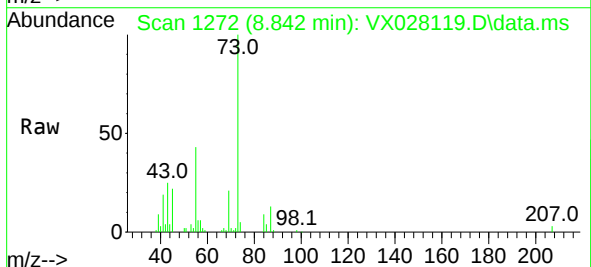
Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

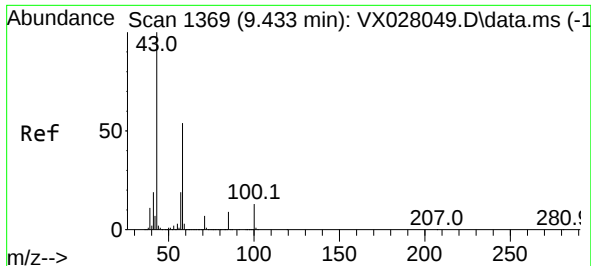
Tgt Ion: 98 Resp: 433414
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#56
Ethyl methacrylate
Concen: 0.754 ug/l
RT: 8.842 min Scan# 1272
Delta R.T. -0.274 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 69 Resp: 3307
Ion Ratio Lower Upper
69 100
41 90.8 43.8 65.6#
39 48.6 22.2 33.2#

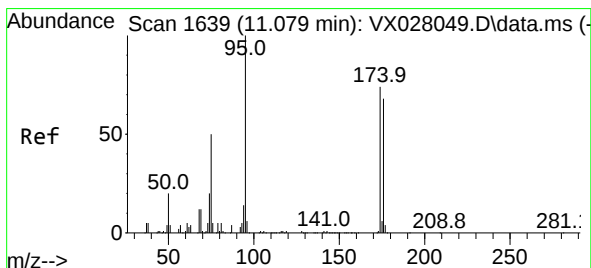
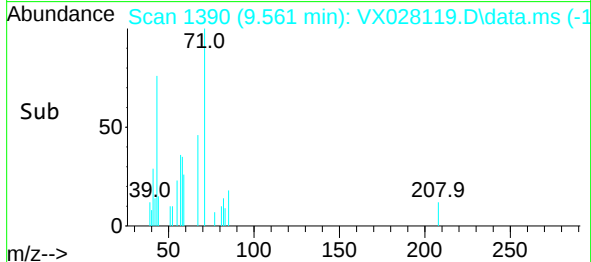
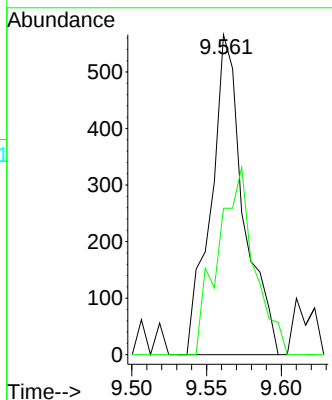
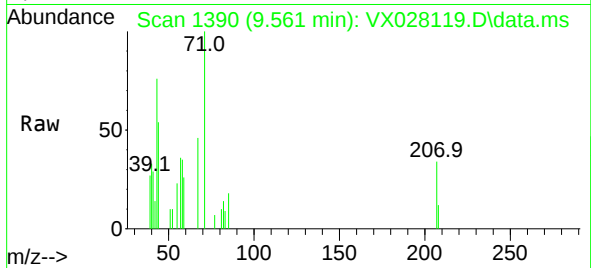




#59
2-Hexanone
Concen: 0.250 ug/l
RT: 9.561 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

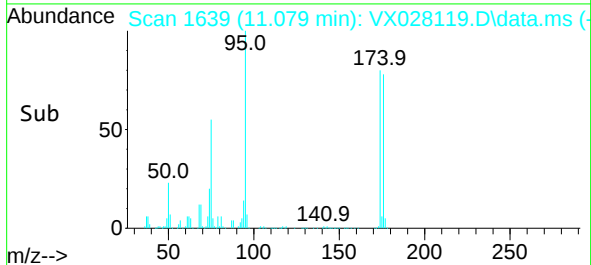
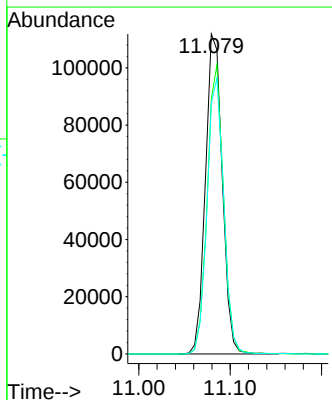
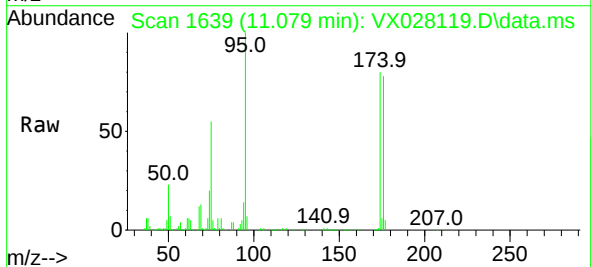
Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

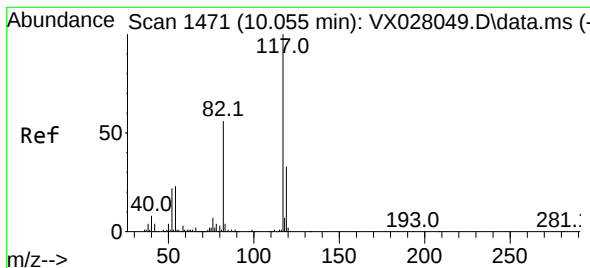
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 65.2 31.9 95.7



#62
4-Bromofluorobenzene
Concen: 44.021 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 95 Resp: 142540
Ion Ratio Lower Upper
95 100
174 87.6 0.0 163.0
176 85.6 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: VX028119.D

Acq: 14 Apr 2022 19:55

Instrument :

MSVOA_X

ClientSampleId :

MW-49DL

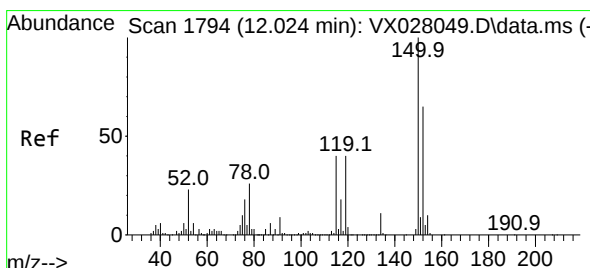
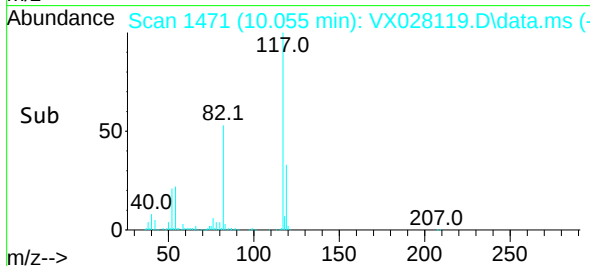
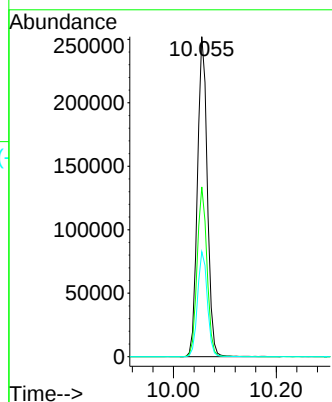
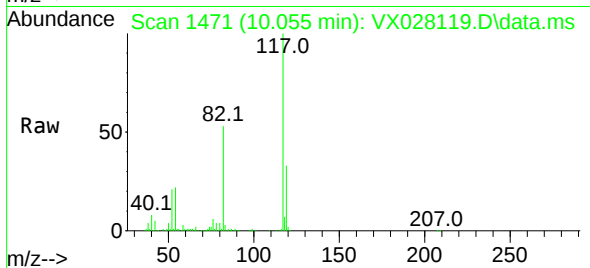
Tgt Ion:117 Resp: 336694

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.8

119 32.8 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: VX028119.D

Acq: 14 Apr 2022 19:55

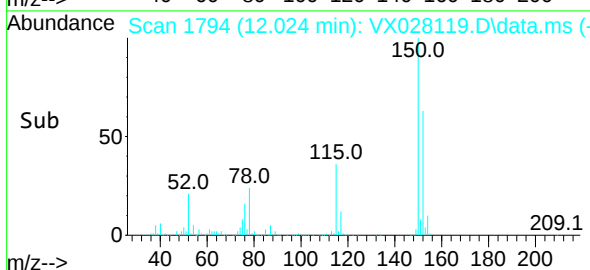
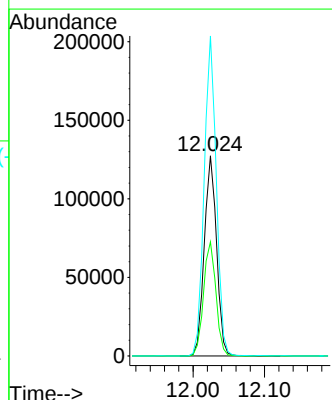
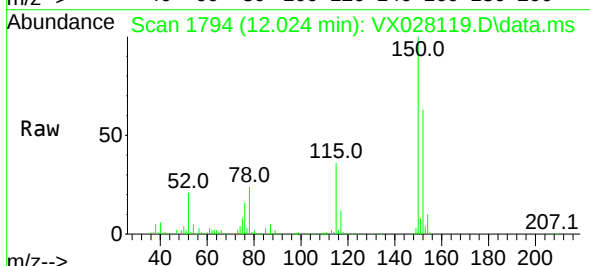
Tgt Ion:152 Resp: 152650

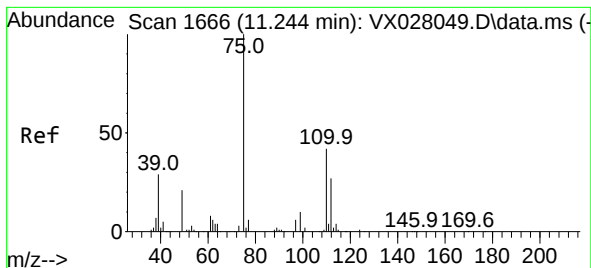
Ion Ratio Lower Upper

152 100

115 57.2 37.5 112.7

150 157.2 0.0 338.2

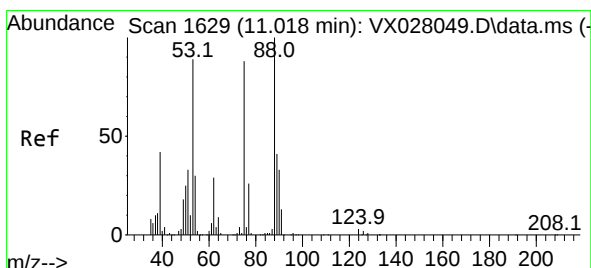
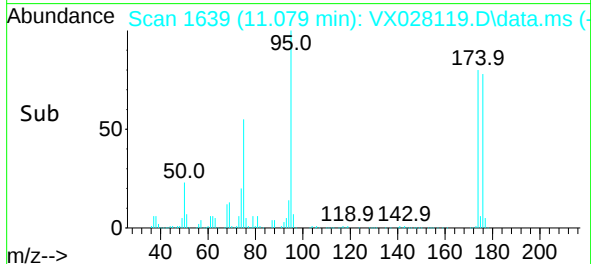
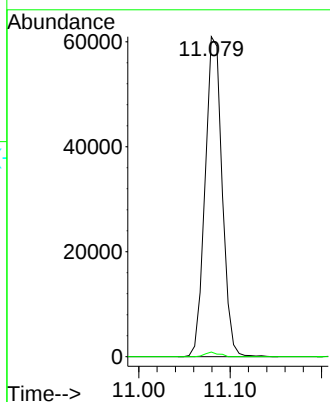
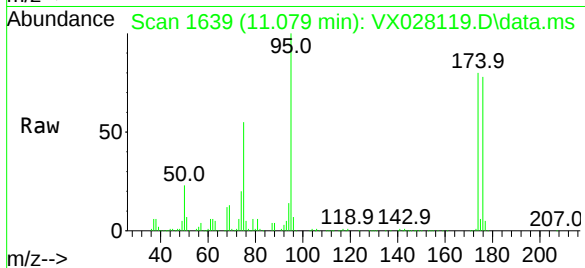




#76
1,2,3-Trichloropropane
Concen: 23.180 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Instrument :
MSVOA_X
ClientSampleId :
MW-49DL

Tgt Ion: 75 Resp: 78775
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028119.D
Acq: 14 Apr 2022 19:55

Tgt Ion: 75 Resp: 78775
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#

