

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031767.D
 Acq On : 29 Sep 2022 12:50
 Operator : JC/MD
 Sample : N4863-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

Quant Time: Sep 30 04:29:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

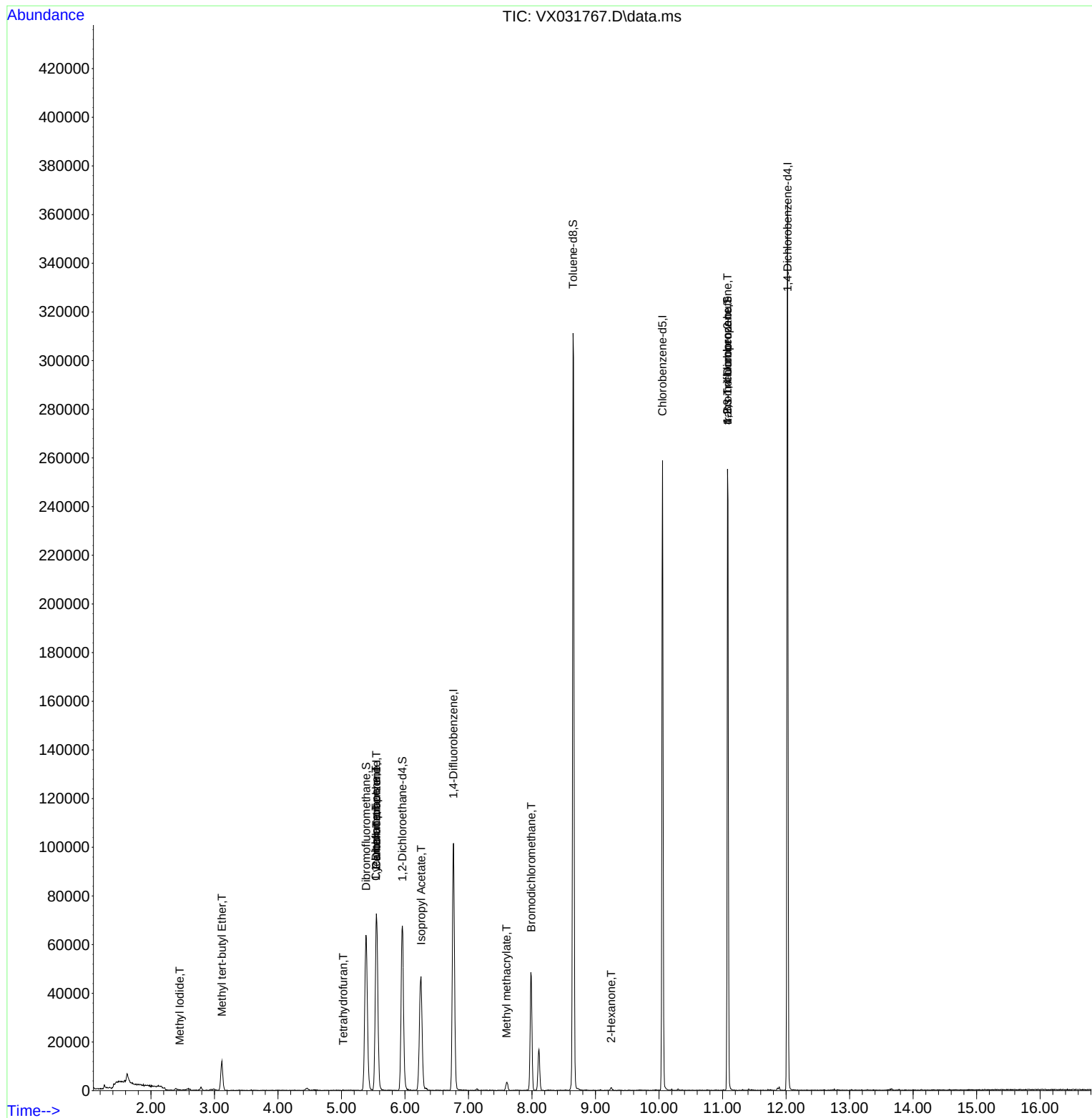
Internal Standards						
1) Pentafluorobenzene	5.549	168	68898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	106862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65139	44.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.100%
35) Dibromofluoromethane	5.385	113	54754	43.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.000%
50) Toluene-d8	8.646	98	190939	41.363	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	82.720%#
62) 4-Bromofluorobenzene	11.079	95	64801	38.300	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	76.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	67	Below Cal	#	41
5) Bromomethane	1.617	94	394	Below Cal		88
6) Chloroethane	1.788	64	792	Below Cal	#	43
10) Methyl Iodide	2.452	142	249	0.277 ug/l	#	58
11) Tert butyl alcohol	2.977	59	1158	Below Cal	#	73
12) 1,1-Dichloroethene	2.190	96	25	Below Cal	#	1
16) Acetone	2.391	43	789	Below Cal		91
17) Carbon Disulfide	2.519	76	502	Below Cal	#	75
19) Methyl tert-butyl Ether	3.117	73	12965	3.986 ug/l		99
20) Methylene Chloride	2.788	84	716	Below Cal	#	72
29) Tetrahydrofuran	5.025	42	101	0.230 ug/l	#	52
31) Cyclohexane	5.543	56	1548	1.113 ug/l	#	44
36) 1,1-Dichloropropene	5.543	75	5204	3.559 ug/l	#	50
38) Carbon Tetrachloride	5.549	117	7230	4.387 ug/l	#	15
43) Isopropyl Acetate	6.257	43	10573	4.555 ug/l	#	61
47) Bromodichloromethane	7.988	83	332	0.210 ug/l	#	25
48) Methyl methacrylate	7.598	41	1053	1.031 ug/l	#	32
59) 2-Hexanone	9.244	43	745	0.680 ug/l		78
76) 1,2,3-Trichloropropane	11.079	75	34716	26.414 ug/l	#	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34716	87.426 ug/l	#	11

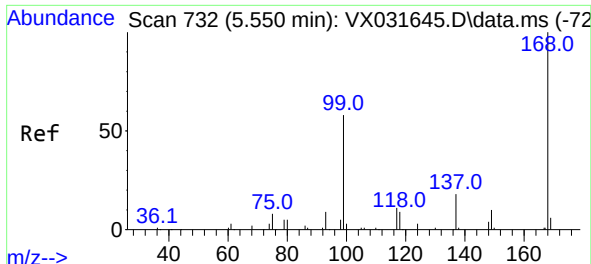
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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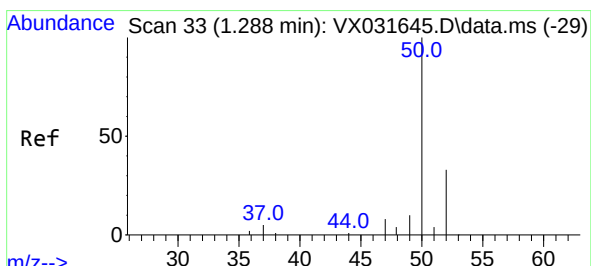
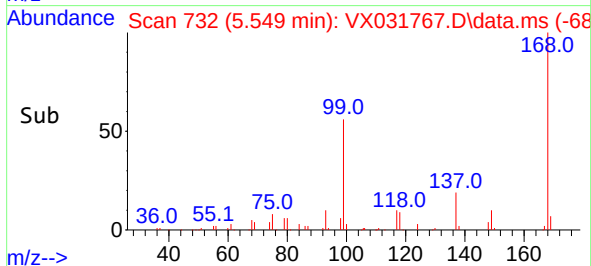
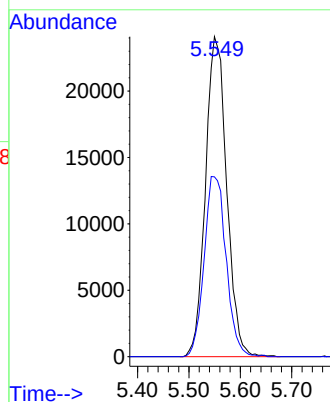
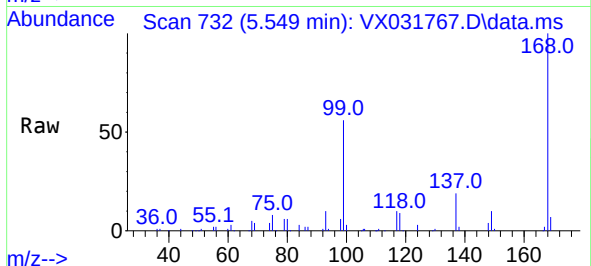




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

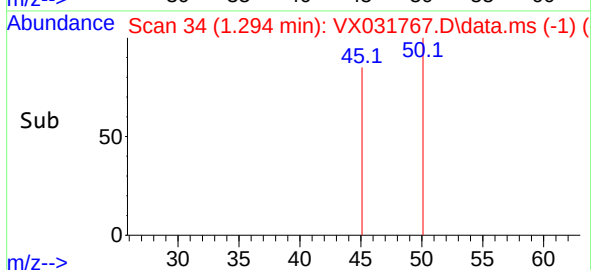
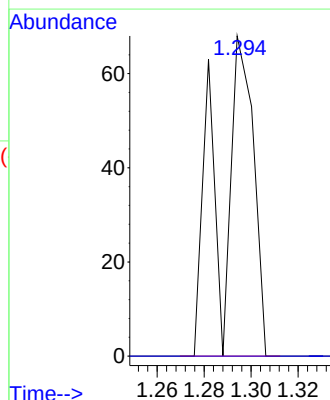
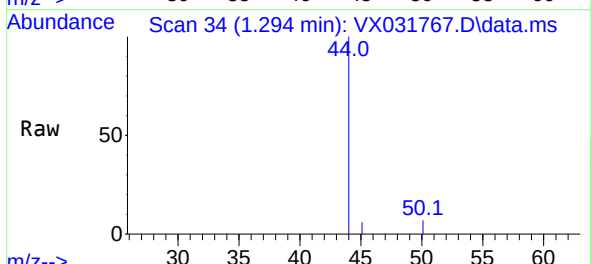
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

Tgt Ion:168 Resp: 68898
Ion Ratio Lower Upper
168 100
99 56.2 48.8 73.2

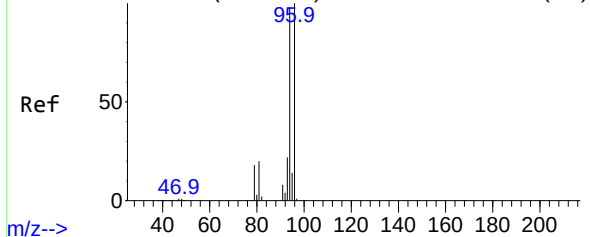


#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031645.D\data.ms (-81)



#5

Bromomethane

Concen: Below Cal

RT: 1.617 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX031767.D

Acq: 29 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

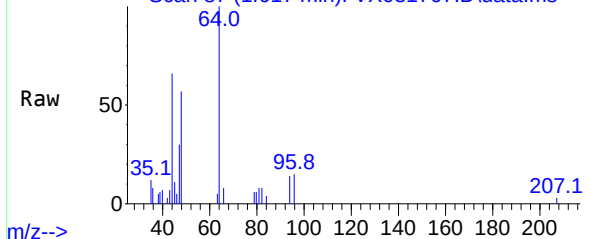
Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

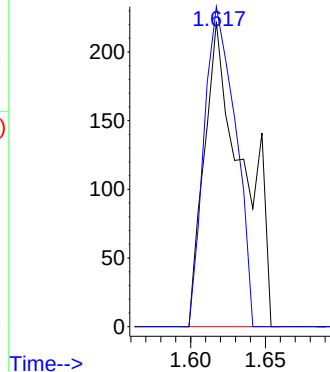
94 100

96 105.0 74.4 111.6

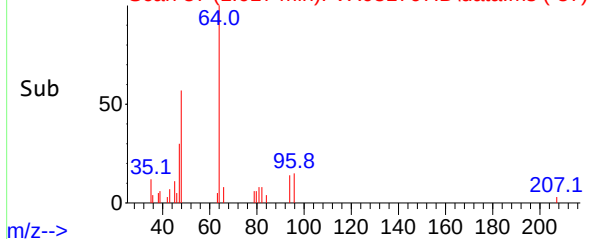
Abundance Scan 87 (1.617 min): VX031767.D\data.ms



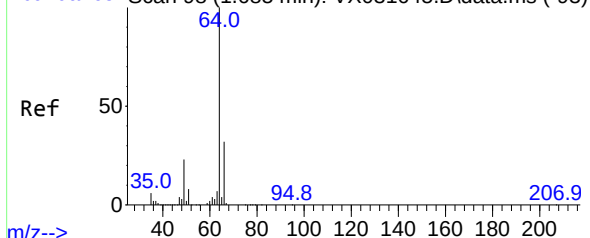
Abundance



Abundance Scan 87 (1.617 min): VX031767.D\data.ms (-37)



Abundance Scan 98 (1.685 min): VX031645.D\data.ms (-93)



#6

Chloroethane

Concen: Below Cal

RT: 1.788 min Scan# 115

Delta R.T. 0.103 min

Lab File: VX031767.D

Acq: 29 Sep 2022 12:50

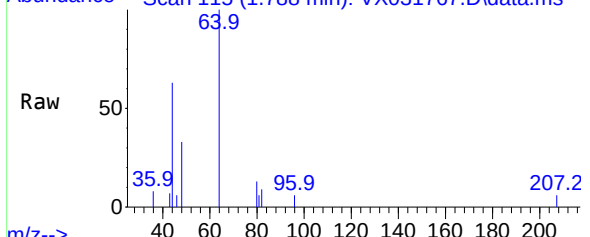
Tgt Ion: 64 Resp: 792

Ion Ratio Lower Upper

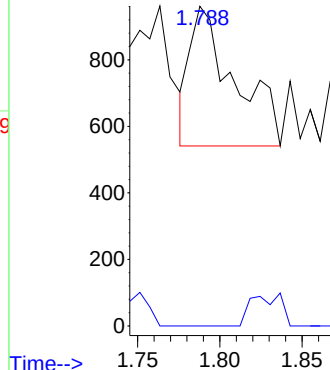
64 100

66 0.0 25.0 37.4#

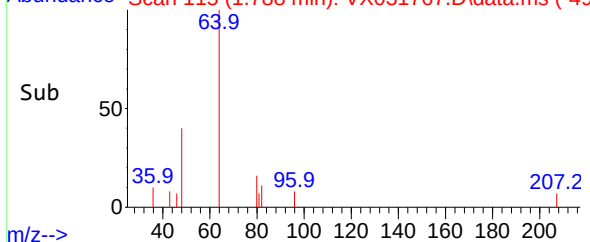
Abundance Scan 115 (1.788 min): VX031767.D\data.ms

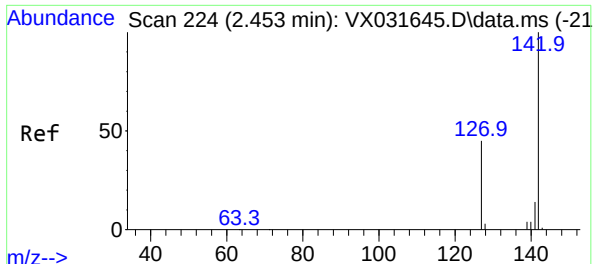


Abundance



Abundance Scan 115 (1.788 min): VX031767.D\data.ms (-49)

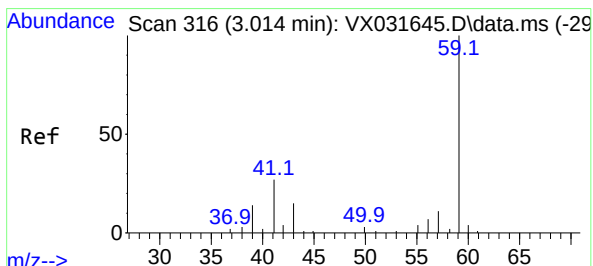
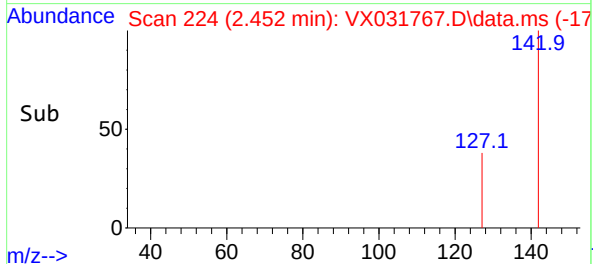
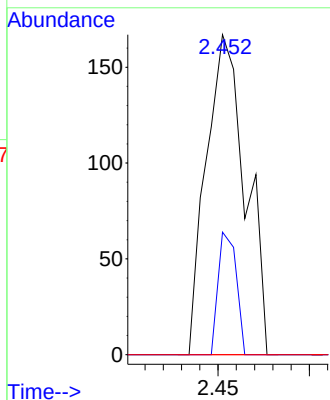
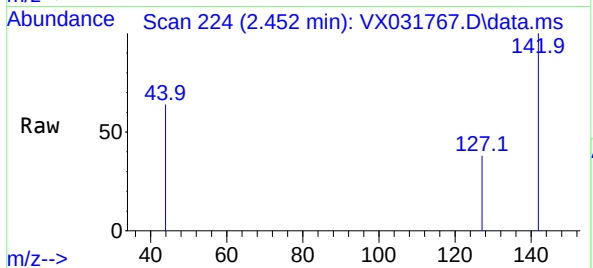




#10
Methyl Iodide
Concen: 0.277 ug/l
RT: 2.452 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

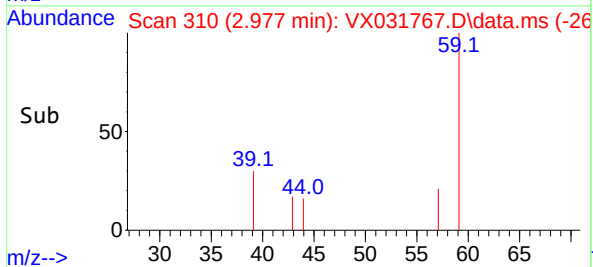
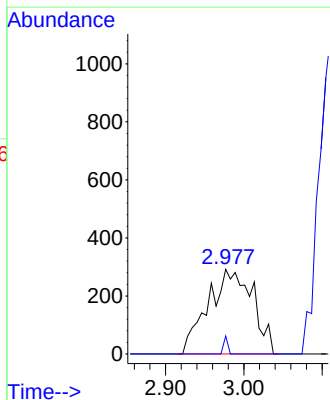
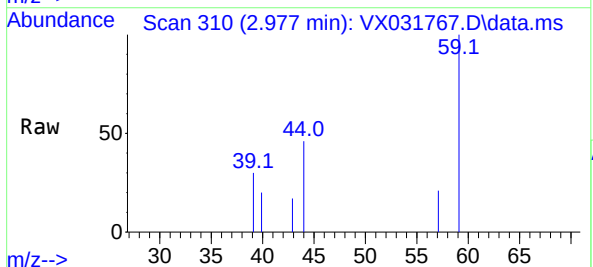
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

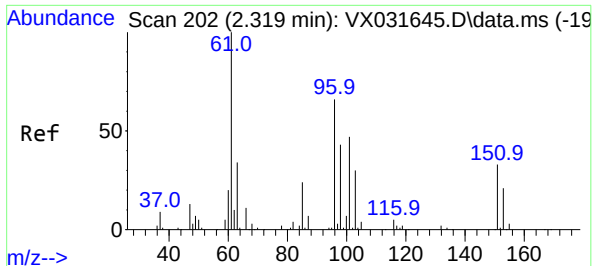
Tgt Ion:142 Resp: 249
Ion Ratio Lower Upper
142 100
127 17.7 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 59 Resp: 1158
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

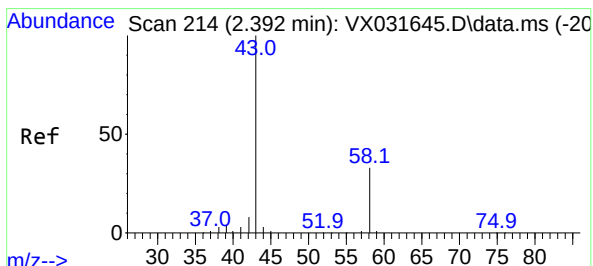
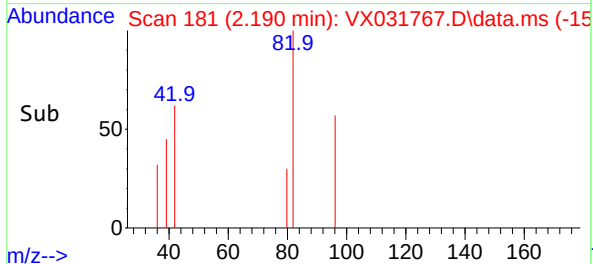
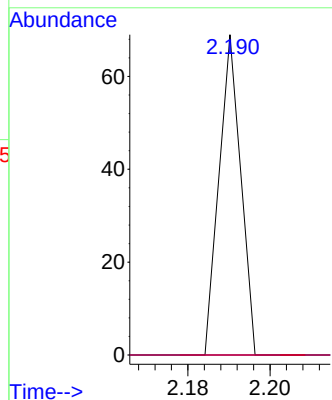
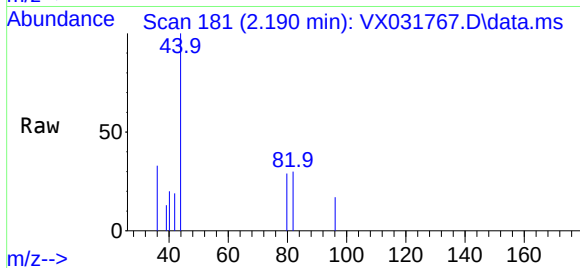




#12
1,1-Dichloroethene
Concen: Below Cal
RT: 2.190 min Scan# 11
Delta R.T. -0.129 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

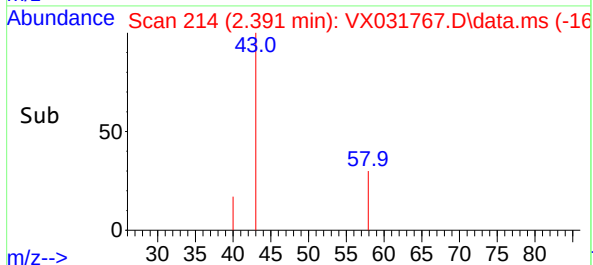
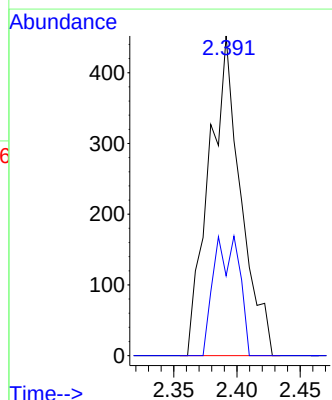
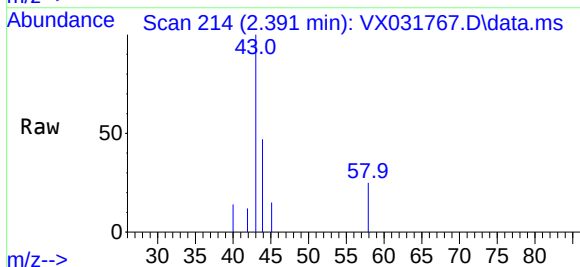
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

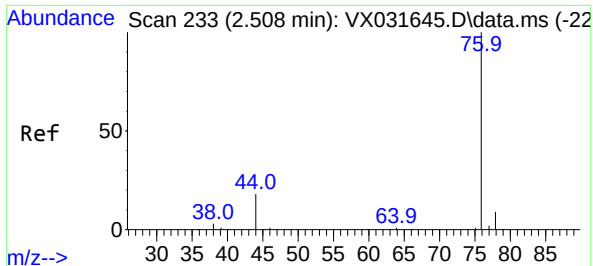
Tgt Ion: 96 Resp: 25
Ion Ratio Lower Upper
96 100
61 0.0 135.3 202.9#
98 0.0 49.4 74.2#



#16
Acetone
Concen: Below Cal
RT: 2.391 min Scan# 214
Delta R.T. 0.005 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 25.0 23.8 35.8

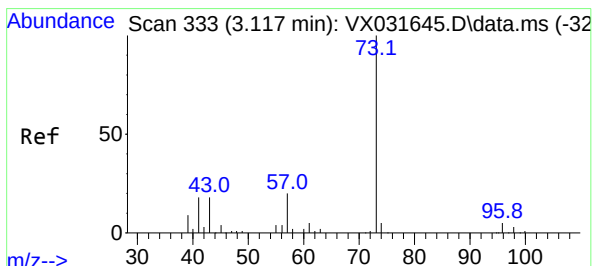
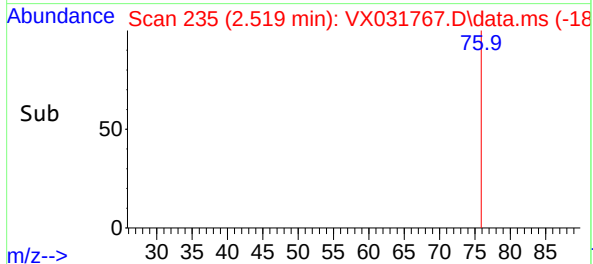
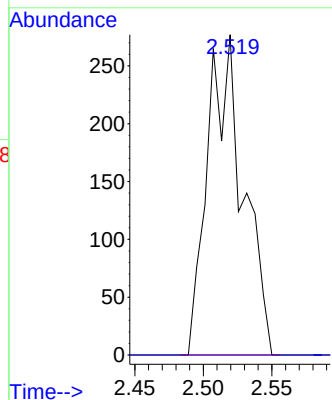
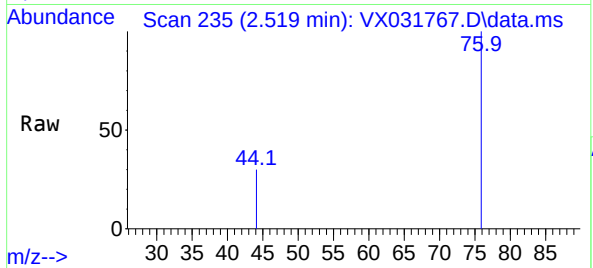




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.519 min Scan# 21
Delta R.T. 0.005 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

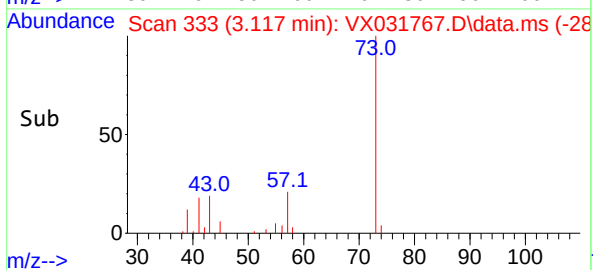
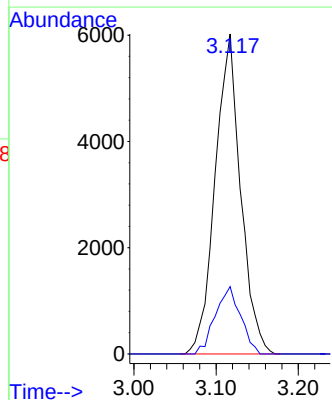
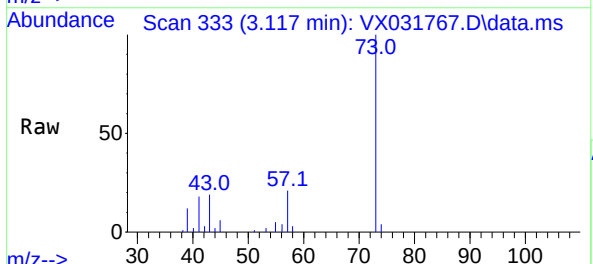
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

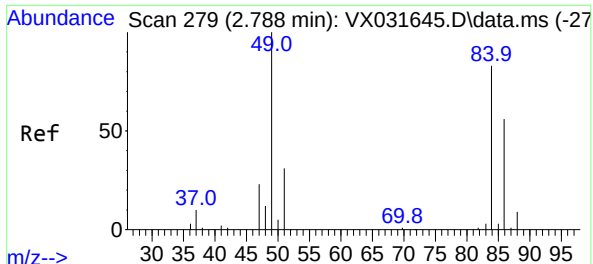
Tgt Ion: 76 Resp: 502
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 3.986 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 73 Resp: 12965
Ion Ratio Lower Upper
73 100
57 21.1 17.2 25.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX031767.D

Acq: 29 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

Tgt Ion: 84 Resp: 716

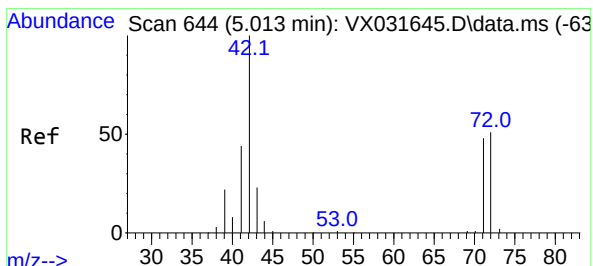
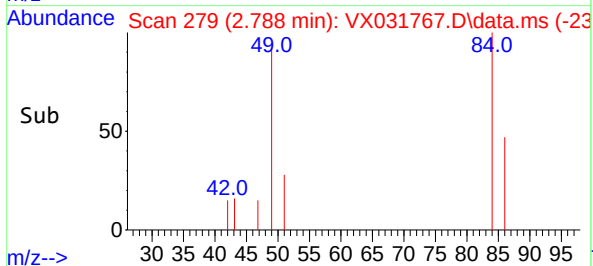
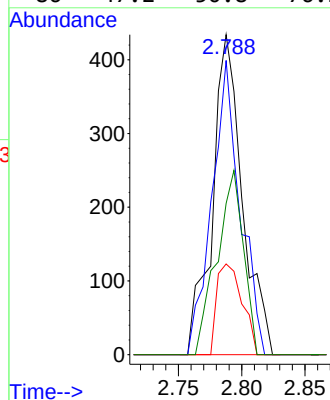
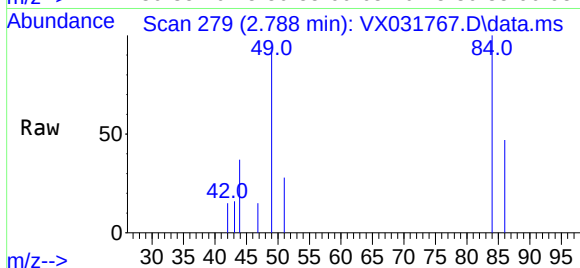
Ion Ratio Lower Upper

84 100

49 91.9 105.9 158.9#

51 28.3 32.2 48.2#

86 47.2 50.8 76.2#



#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX031767.D

Acq: 29 Sep 2022 12:50

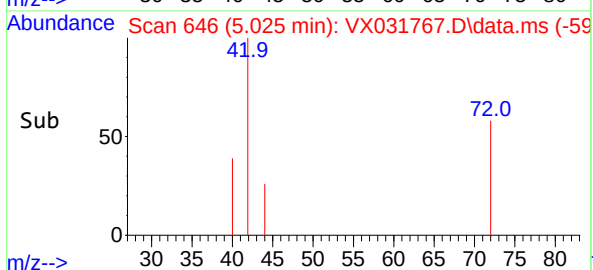
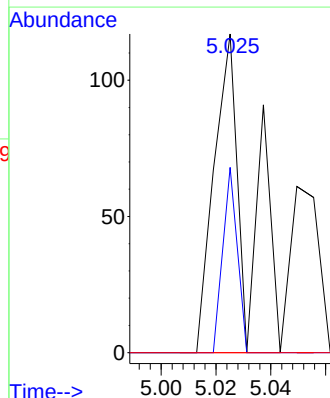
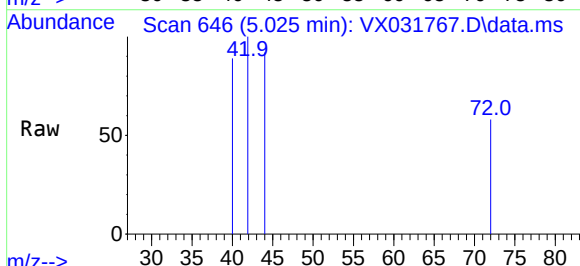
Tgt Ion: 42 Resp: 101

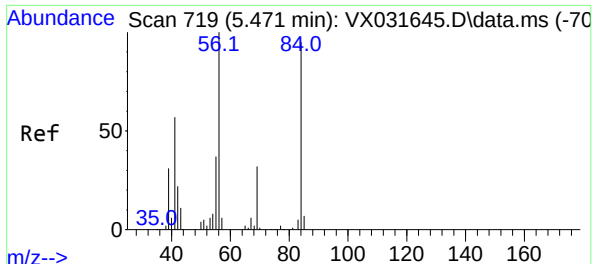
Ion Ratio Lower Upper

42 100

72 24.8 36.4 54.6#

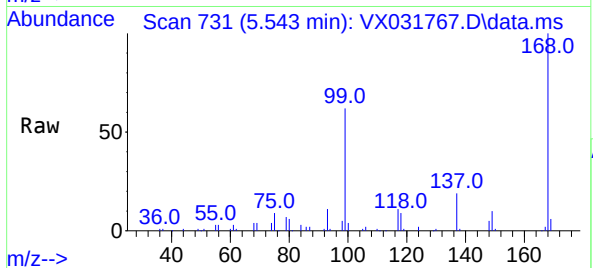
71 0.0 33.5 50.3#



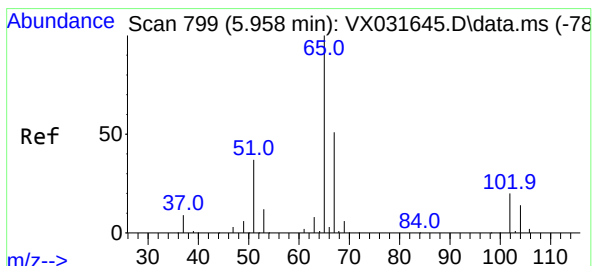
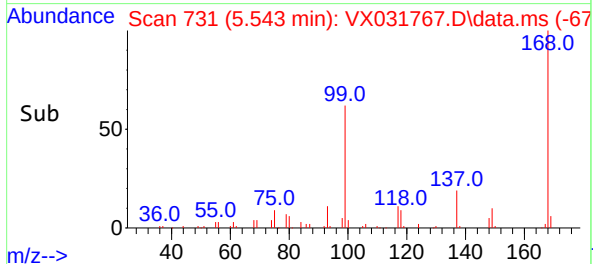
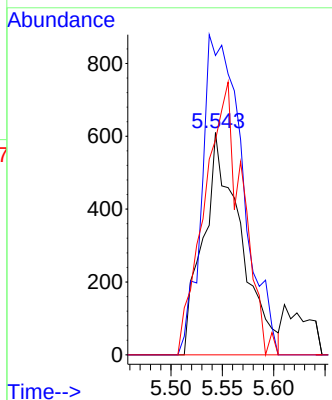


#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.072 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW-2R

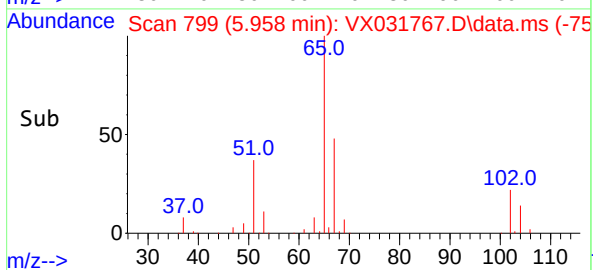
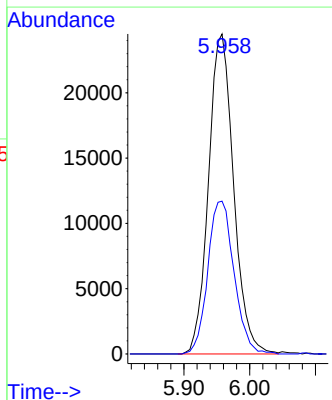
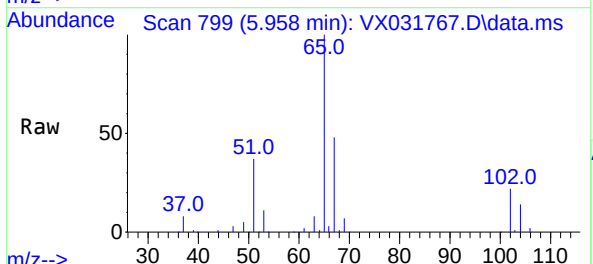


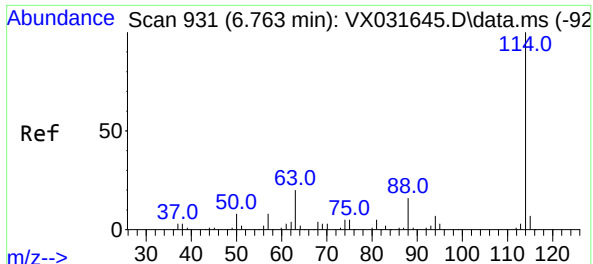
Tgt Ion: 56 Resp: 1548
Ion Ratio Lower Upper
56 100
69 134.8 25.1 37.7#
84 96.7 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 44.546 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 65 Resp: 65139
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.4

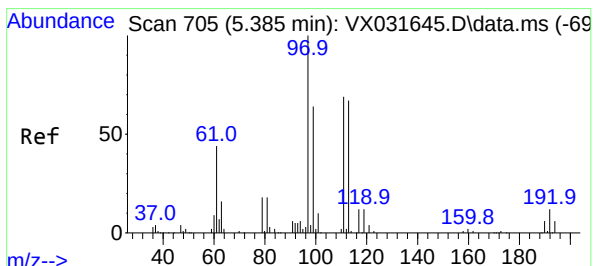
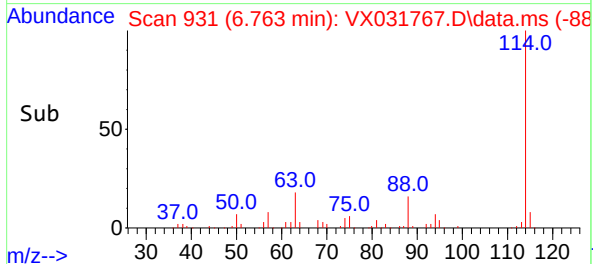
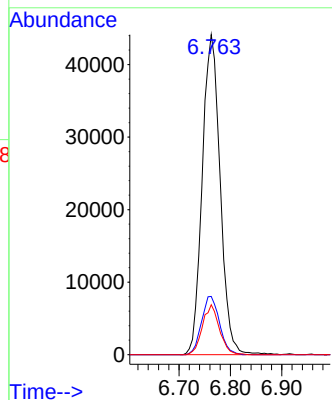
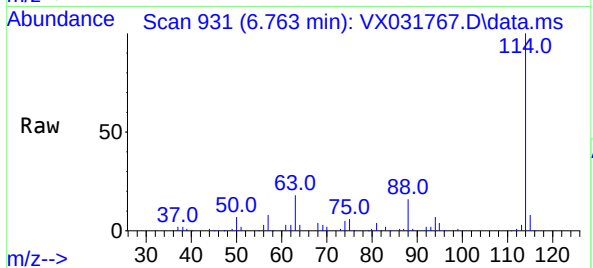




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

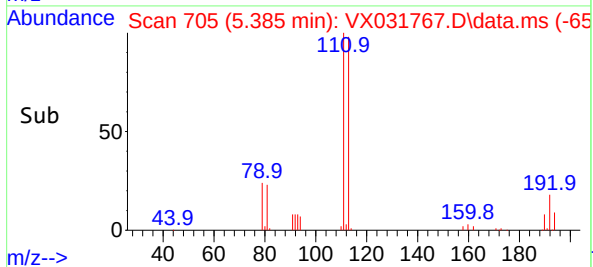
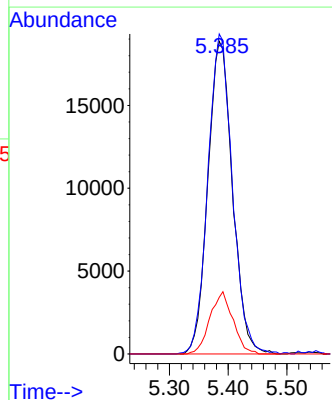
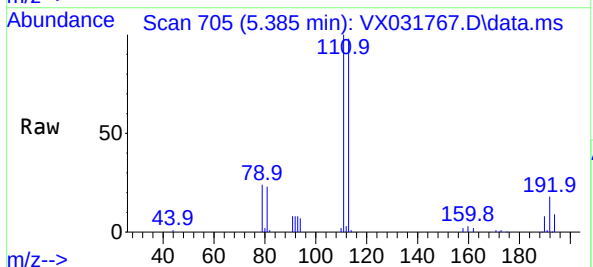
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

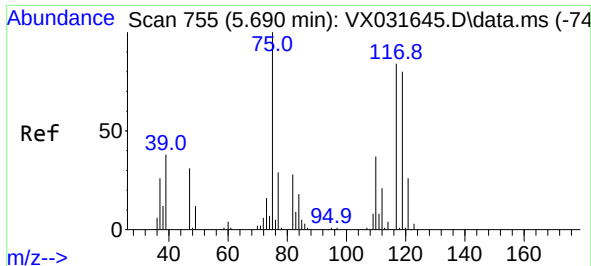
Tgt Ion:114 Resp: 106862
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.6
88 15.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 43.002 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

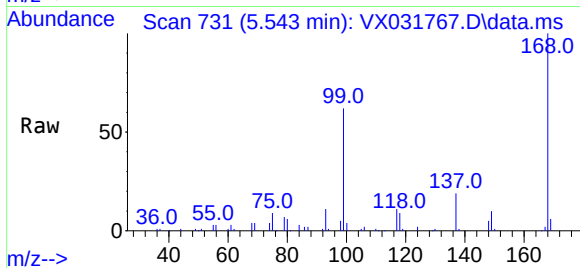
Tgt Ion:113 Resp: 54754
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 18.7 14.1 21.1



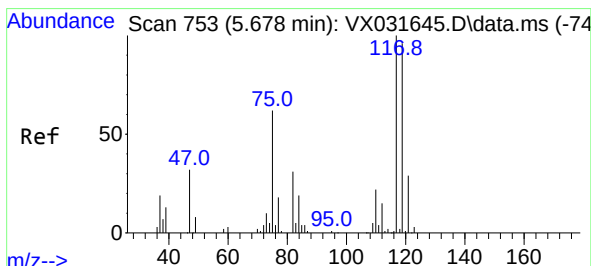
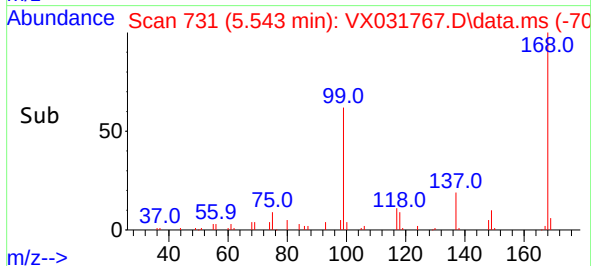
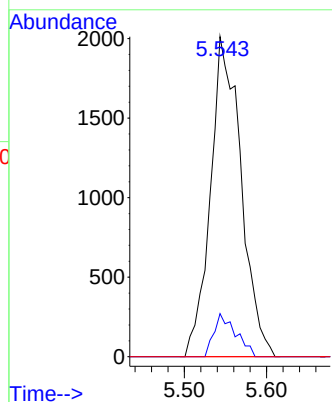


#36
1,1-Dichloropropene
Concen: 3.559 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW-2R

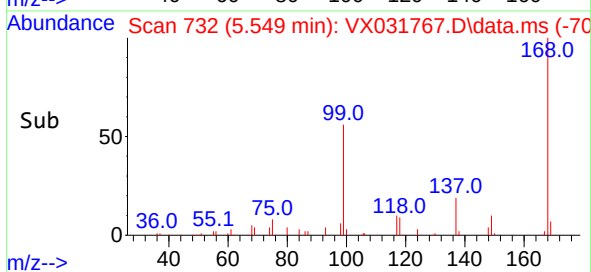
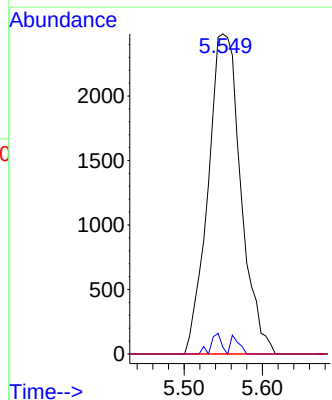
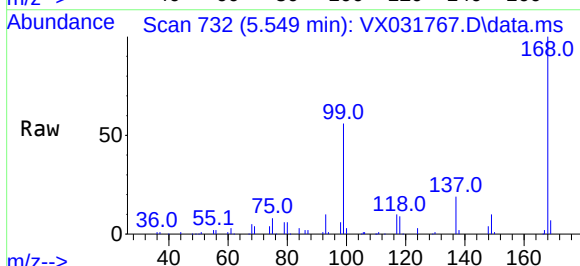


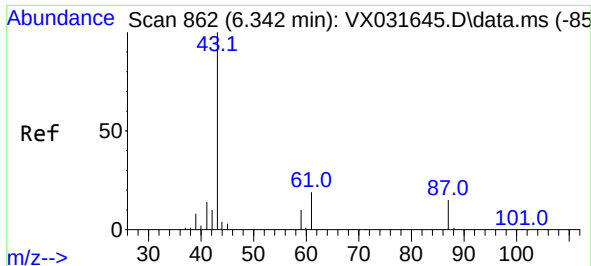
Tgt Ion: 75 Resp: 5204
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.387 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.129 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 117 Resp: 7230
Ion Ratio Lower Upper
117 100
119 2.1 74.6 112.0#
121 0.0 25.3 37.9#

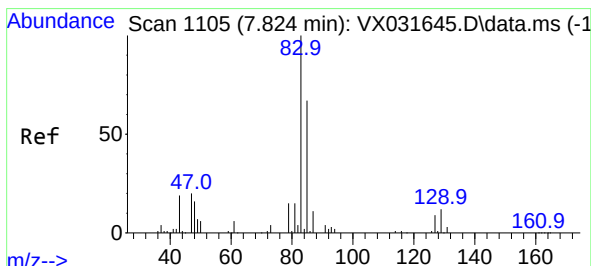
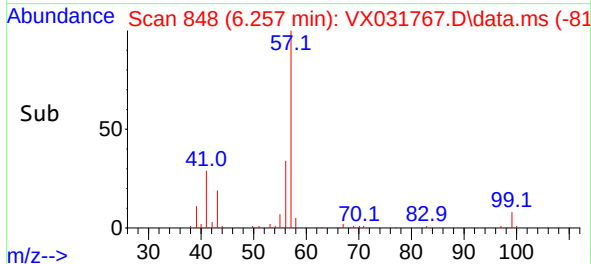
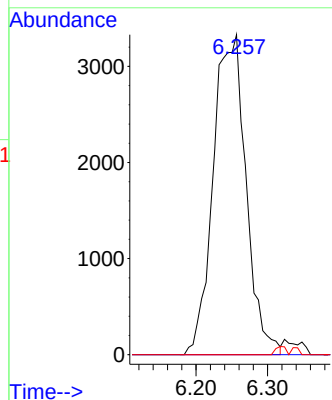
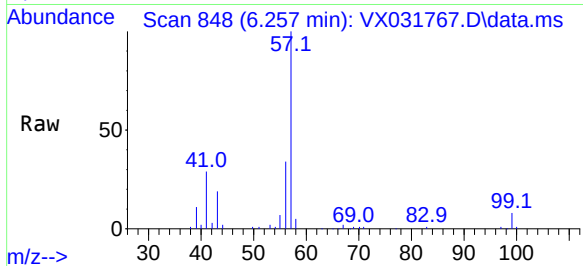




#43
Isopropyl Acetate
Concen: 4.555 ug/l
RT: 6.257 min Scan# 84
Delta R.T. -0.085 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

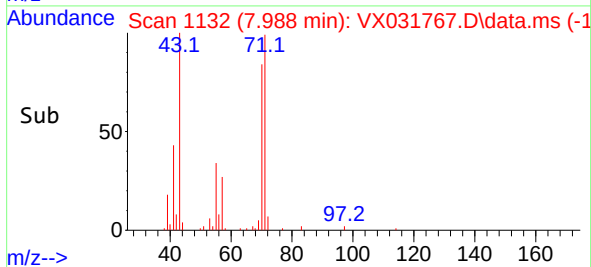
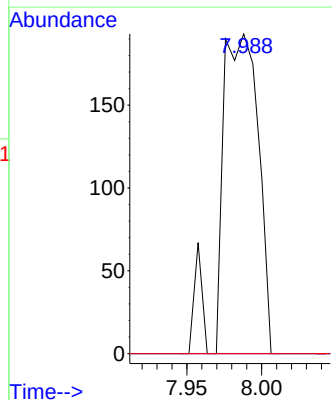
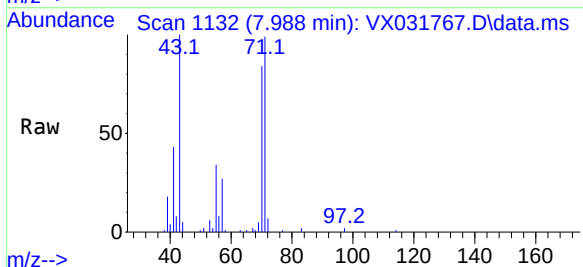
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

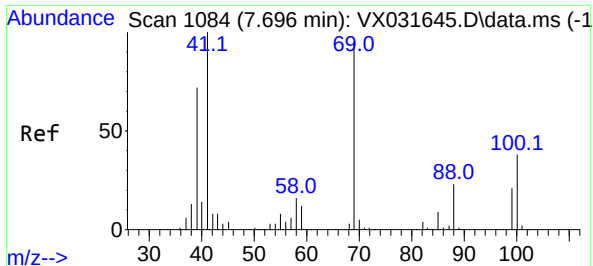
Tgt Ion: 43 Resp: 10573
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.6 15.8#



#47
Bromodichloromethane
Concen: 0.210 ug/l
RT: 7.988 min Scan# 1132
Delta R.T. 0.164 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 83 Resp: 332
Ion Ratio Lower Upper
83 100
85 0.0 51.0 76.6#
127 0.0 7.0 10.6#





#48

Methyl methacrylate

Concen: 1.031 ug/l

RT: 7.598 min Scan# 1053

Delta R.T. -0.098 min

Lab File: VX031767.D

Acq: 29 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

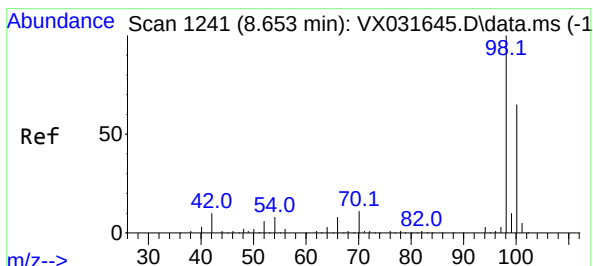
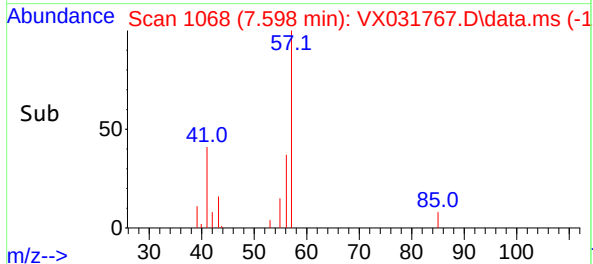
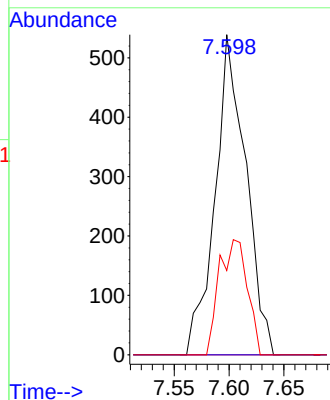
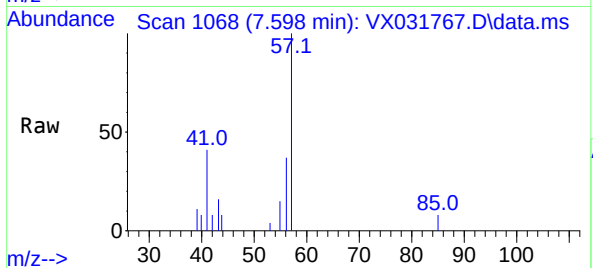
Tgt Ion: 41 Resp: 1053

Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 32.8 51.4 77.0#



#50

Toluene-d8

Concen: 41.363 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.007 min

Lab File: VX031767.D

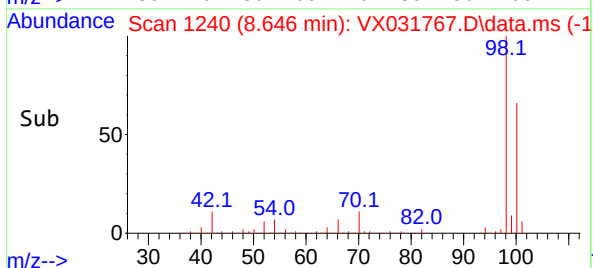
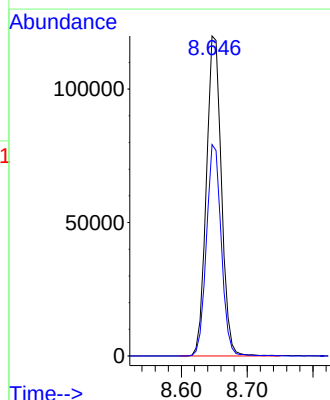
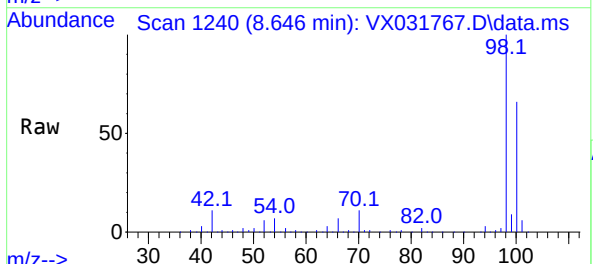
Acq: 29 Sep 2022 12:50

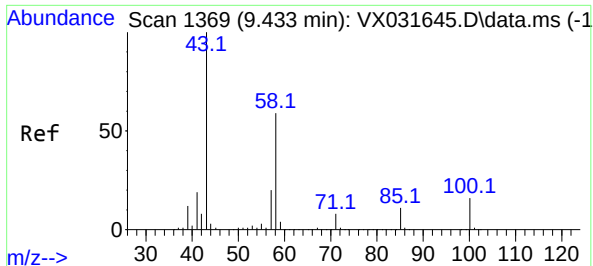
Tgt Ion: 98 Resp: 190939

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7





#59

2-Hexanone

Concen: 0.680 ug/l

RT: 9.244 min Scan# 11

Delta R.T. -0.189 min

Lab File: VX031767.D

Acq: 29 Sep 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

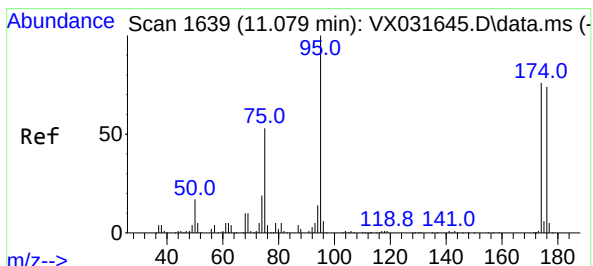
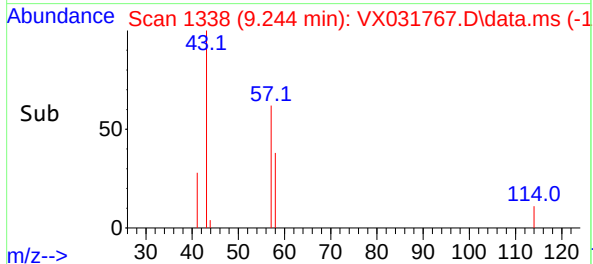
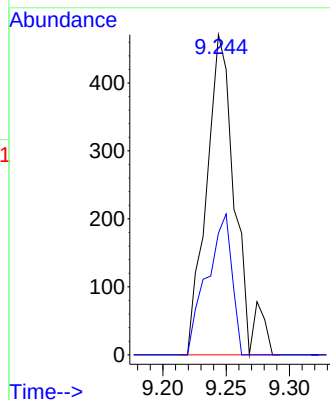
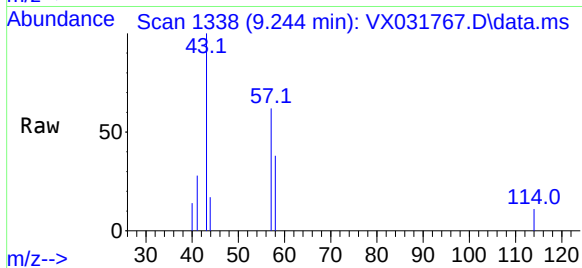
MW-2R

Tgt Ion: 43 Resp: 745

Ion Ratio Lower Upper

43 100

58 38.0 26.7 80.0



#62

4-Bromofluorobenzene

Concen: 38.300 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX031767.D

Acq: 29 Sep 2022 12:50

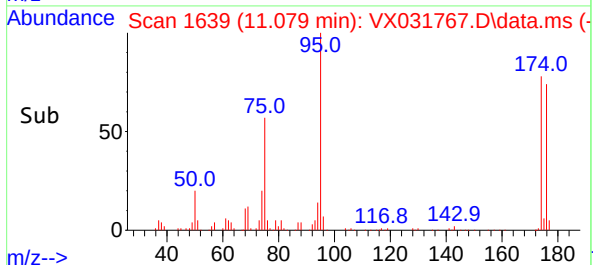
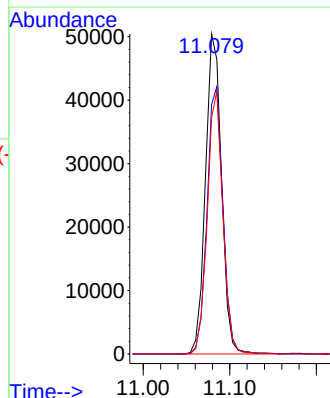
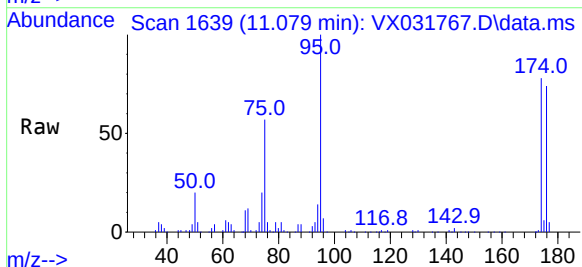
Tgt Ion: 95 Resp: 64801

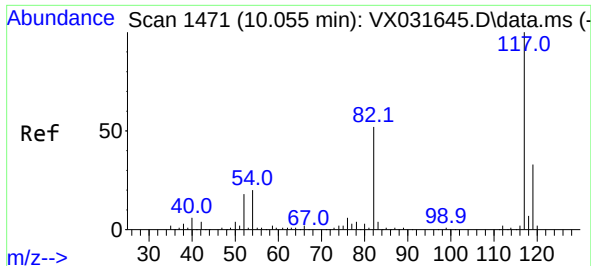
Ion Ratio Lower Upper

95 100

174 83.4 0.0 153.2

176 79.7 0.0 144.0

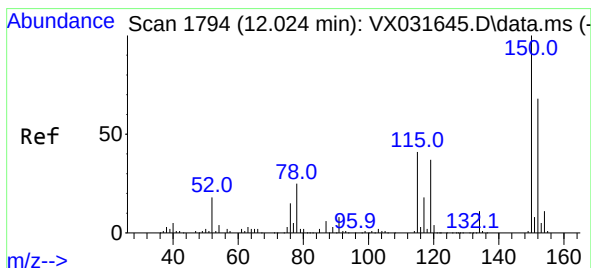
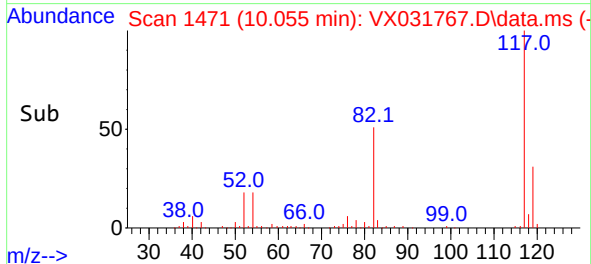
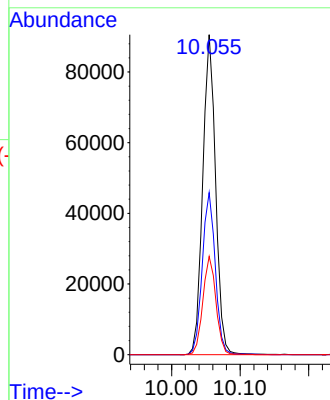
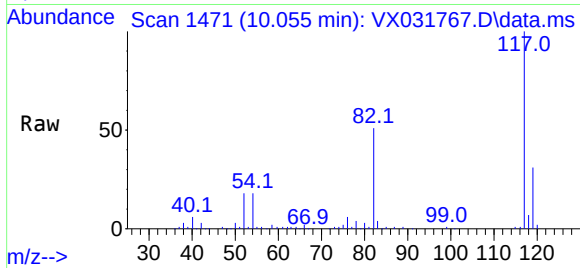




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

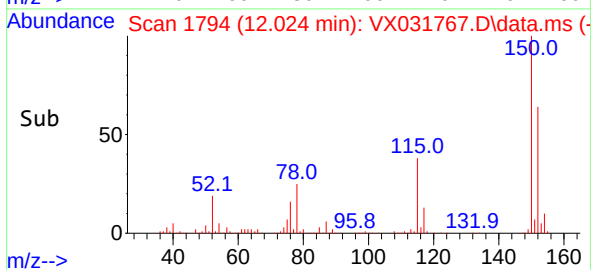
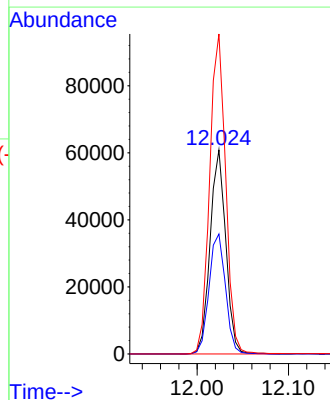
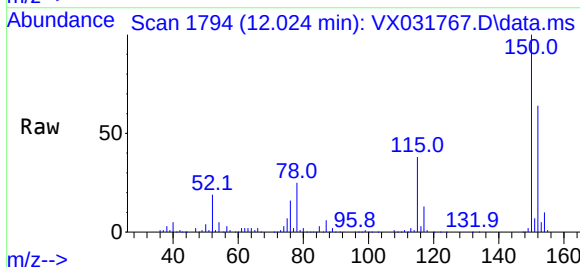
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

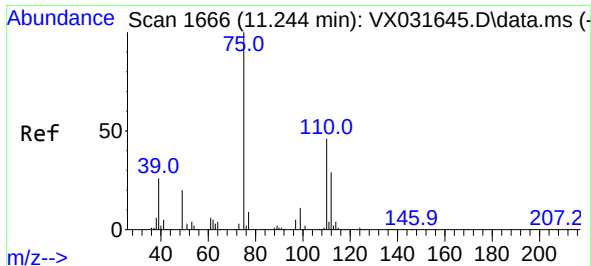
Tgt Ion:117 Resp: 118471
Ion Ratio Lower Upper
117 100
82 50.7 46.8 70.2
119 30.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion:152 Resp: 72499
Ion Ratio Lower Upper
152 100
115 61.7 43.4 130.1
150 159.9 0.0 346.8

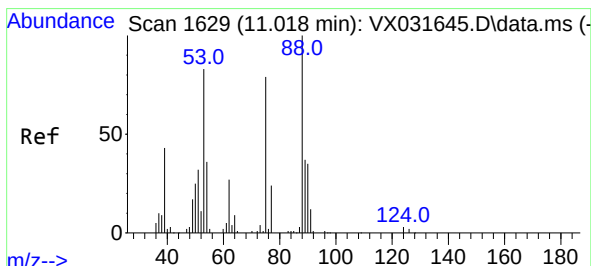
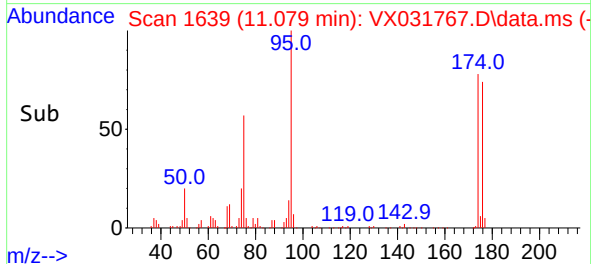
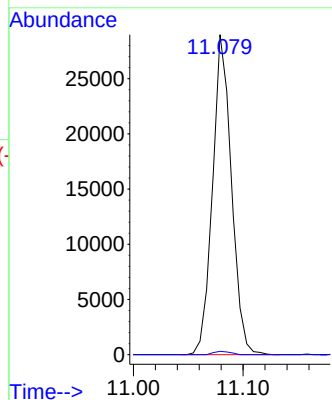
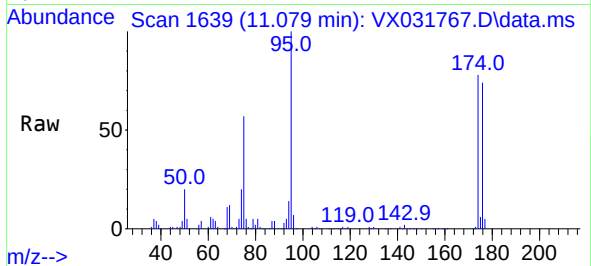




#76
1,2,3-Trichloropropane
Concen: 26.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW-2R

Tgt Ion: 75 Resp: 34716
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031767.D
Acq: 29 Sep 2022 12:50

Tgt Ion: 75 Resp: 34716
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

