

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040622\
 Data File : VD072548.D
 Acq On : 06 Apr 2022 13:43
 Operator : VA/SY
 Sample : N2254-12
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-4-GR-5

Quant Time: Apr 07 01:11:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

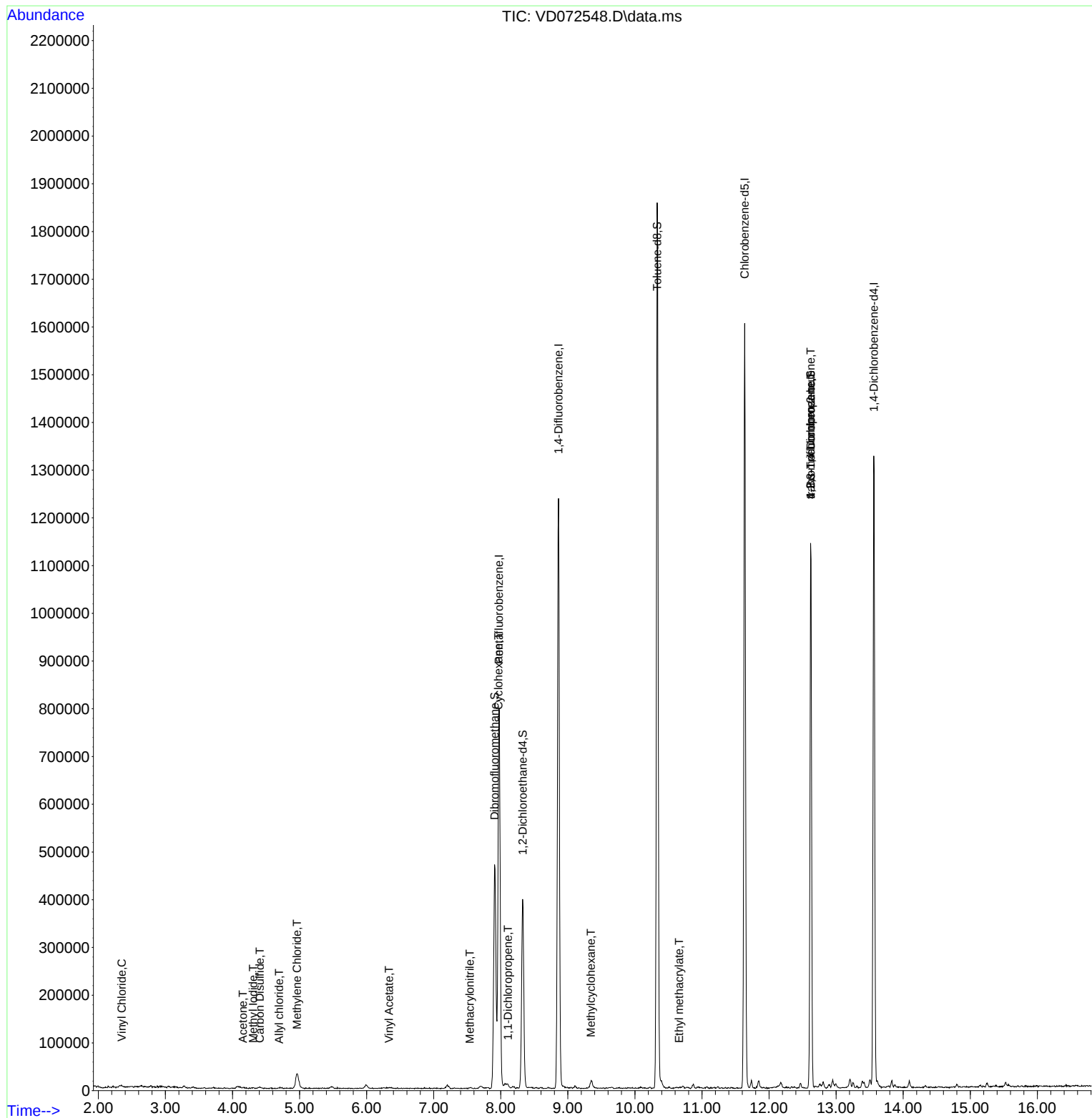
Internal Standards						
1) Pentafluorobenzene	7.973	168	582145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1060669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	919265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	358261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	314852	44.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.420%		
35) Dibromofluoromethane	7.908	113	339279	41.160	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.320%		
50) Toluene-d8	10.332	98	1261742	44.036	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.080%		
62) 4-Bromofluorobenzene	12.620	95	391575	34.993	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	69.980%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.350	62	1599	1.270	ug/l #	82
10) Methyl Iodide	4.309	142	1296	3.923	ug/l #	78
14) Allyl chloride	4.697	41	784	1.210	ug/l #	73
16) Acetone	4.156	43	1950	1.485	ug/l #	72
17) Carbon Disulfide	4.409	76	5026	4.038	ug/l #	92
20) Methylene Chloride	4.961	84	24557	3.141	ug/l	87
23) Vinyl Acetate	6.332	43	2553	6.509	ug/l #	75
31) Cyclohexane	7.967	56	15537	1.687	ug/l #	16
36) 1,1-Dichloropropene	8.108	75	2746	1.379	ug/l #	86
39) Methylcyclohexane	9.344	83	7032	3.417	ug/l #	72
41) Methacrylonitrile	7.538	41	53	1.678	ug/l #	1
56) Ethyl methacrylate	10.661	69	497	1.253	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	199211	50.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	199211	125.102	ug/l #	7

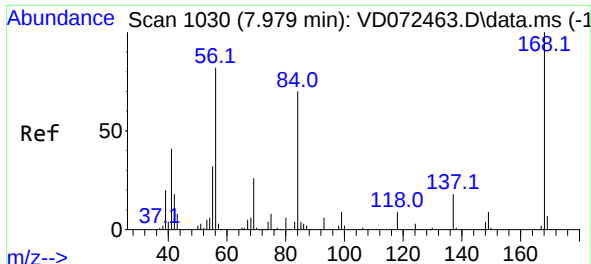
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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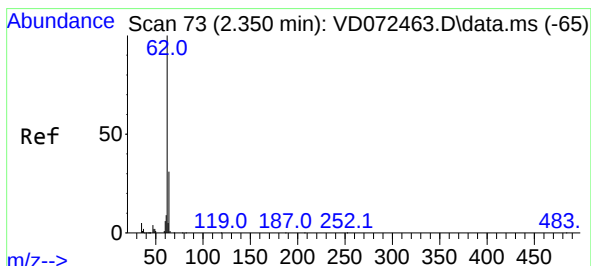
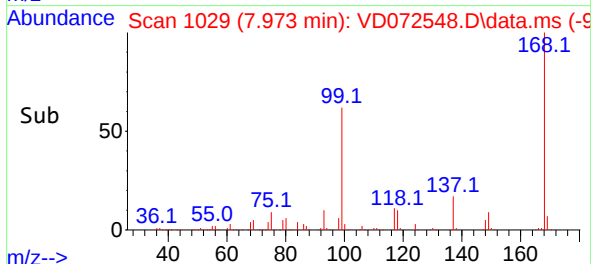
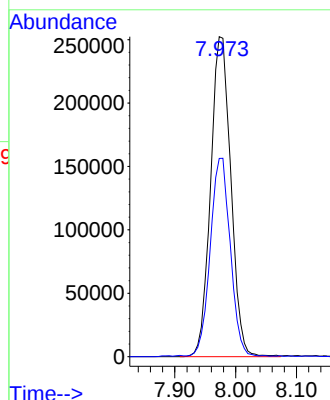
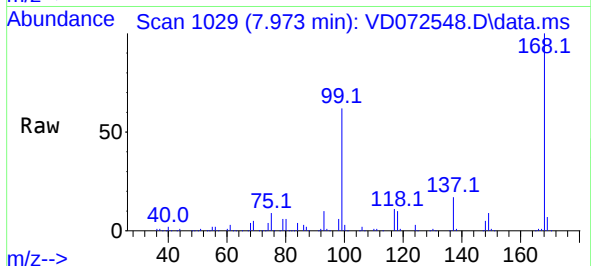




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

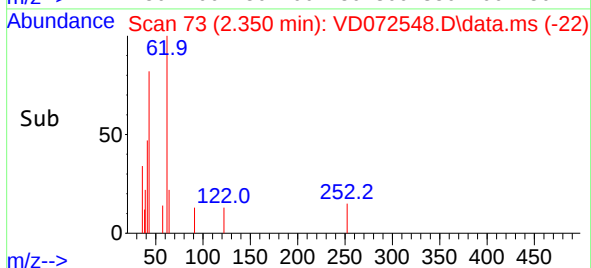
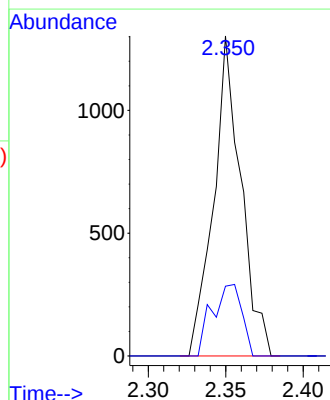
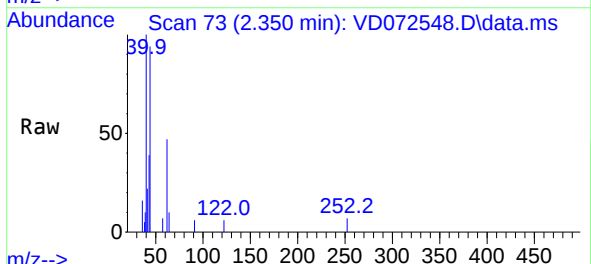
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

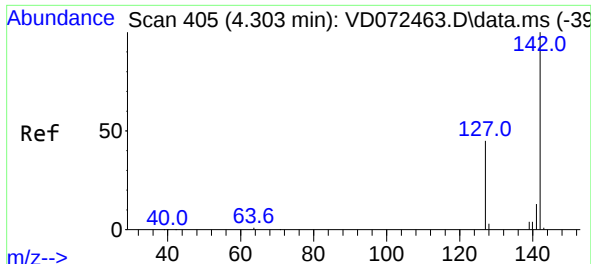
Tgt Ion:168 Resp: 582145
Ion Ratio Lower Upper
168 100
99 61.6 49.8 74.6



#4
Vinyl Chloride
Concen: 1.270 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion: 62 Resp: 1599
Ion Ratio Lower Upper
62 100
64 21.8 25.4 38.0#

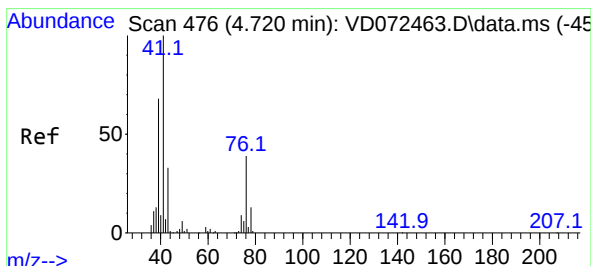
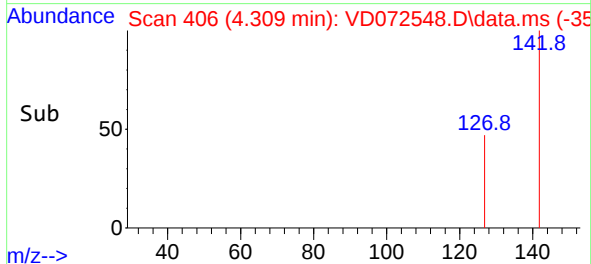
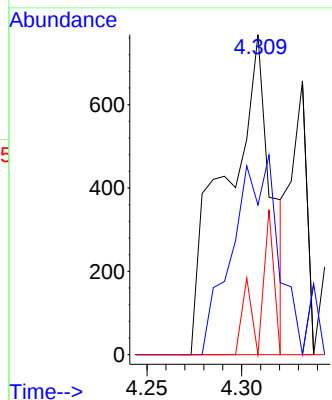
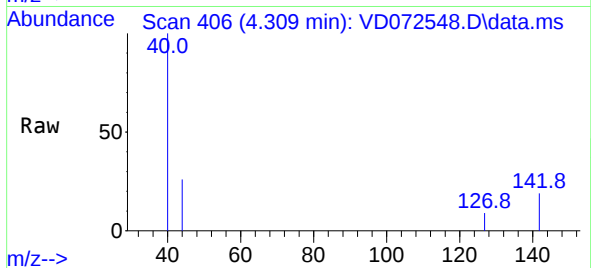




#10
Methyl Iodide
Concen: 3.923 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

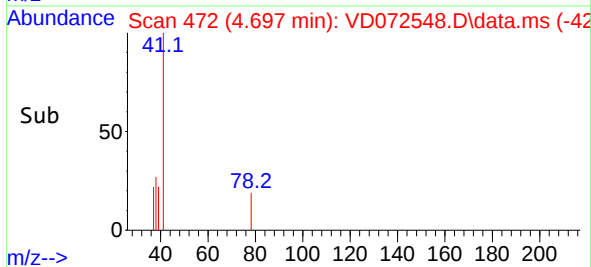
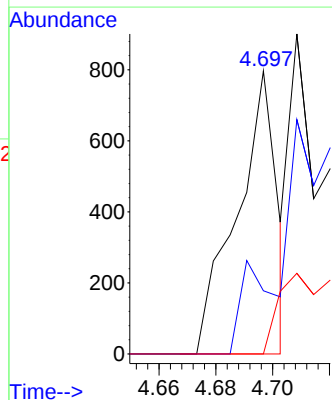
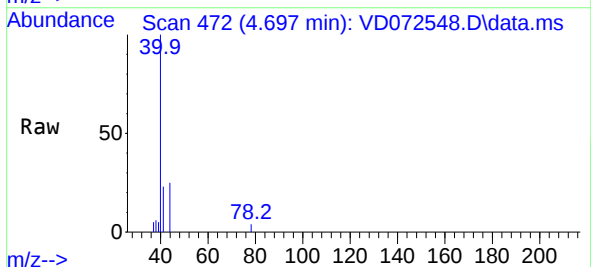
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

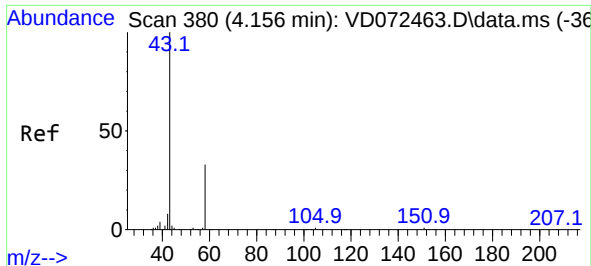
Tgt Ion:142 Resp: 1296
Ion Ratio Lower Upper
142 100
127 65.6 37.3 55.9#
141 14.5 11.7 17.5



#14
Allyl chloride
Concen: 1.210 ug/l
RT: 4.697 min Scan# 472
Delta R.T. -0.023 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion: 41 Resp: 784
Ion Ratio Lower Upper
41 100
39 104.3 59.3 88.9#
76 35.1 25.7 38.5

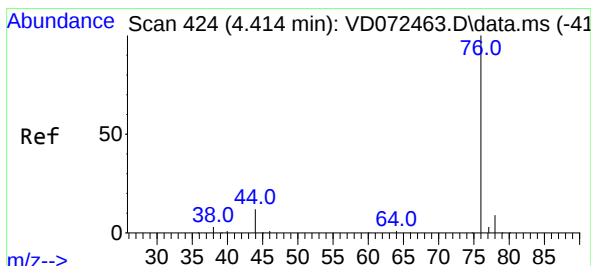
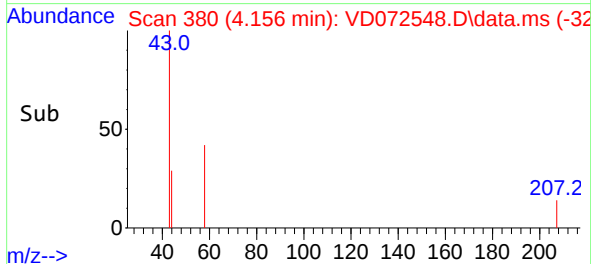
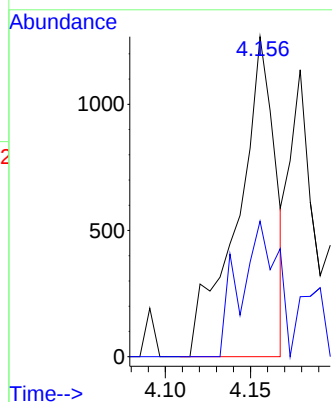
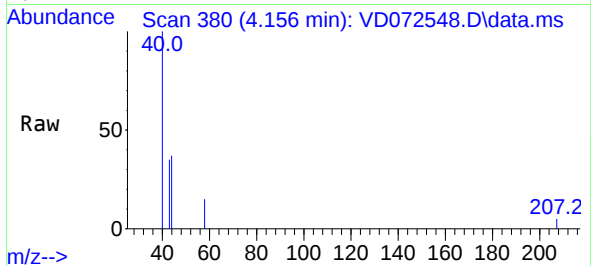




#16
Acetone
Concen: 1.485 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

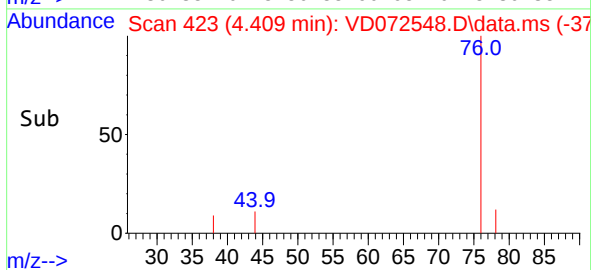
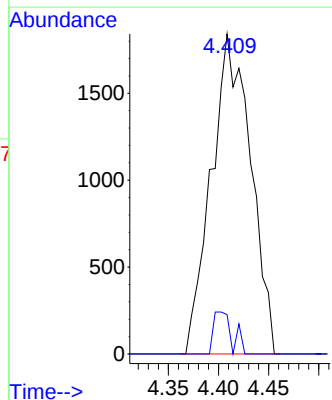
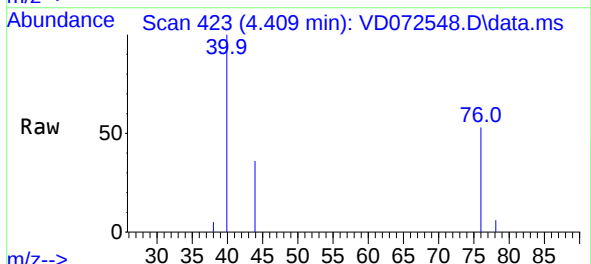
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

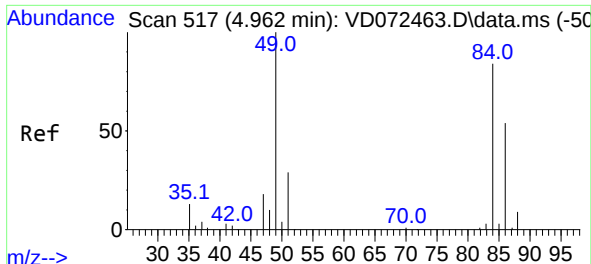
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
58 42.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.038 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion: 76 Resp: 5026
Ion Ratio Lower Upper
76 100
78 12.3 7.5 11.3#



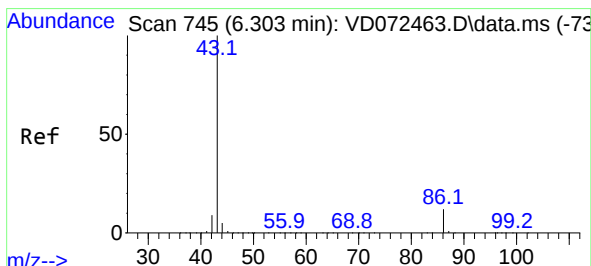
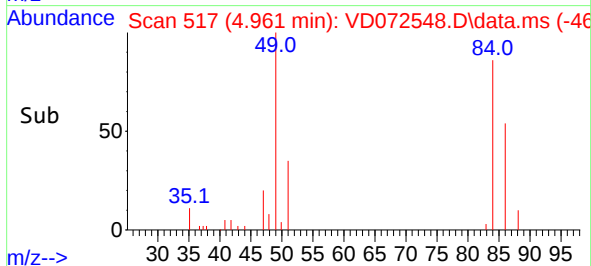
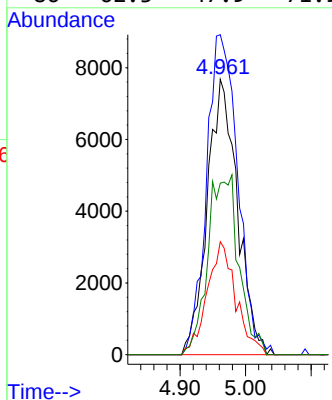
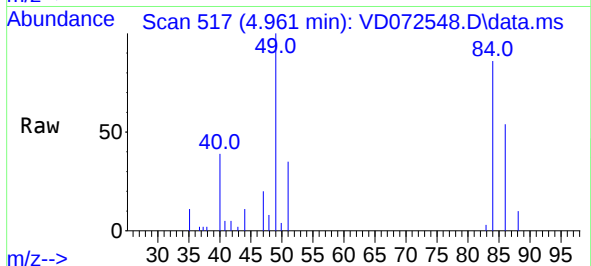


#20
Methylene Chloride
Concen: 3.141 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

Tgt Ion: 84 Resp: 24557

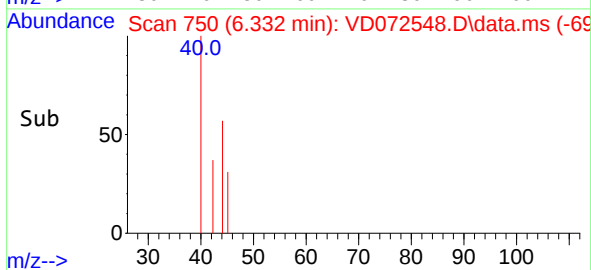
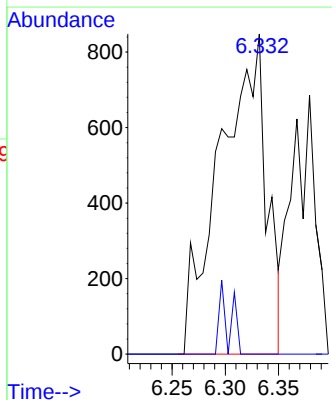
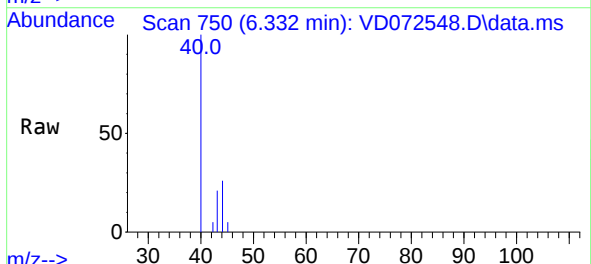
Ion	Ratio	Lower	Upper
84	100		
49	116.2	112.8	169.2
51	41.0	32.6	48.8
86	62.3	47.9	71.9

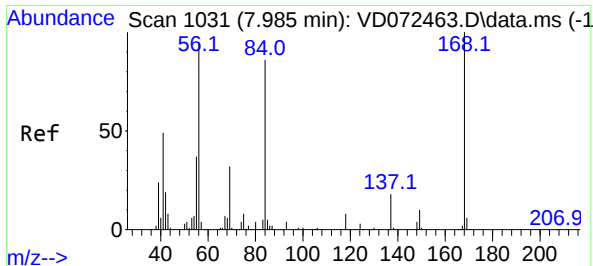


#23
Vinyl Acetate
Concen: 6.509 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.029 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion: 43 Resp: 2553

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#31

Cyclohexane

Concen: 1.687 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD072548.D

Acq: 06 Apr 2022 13:43

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-GR-5

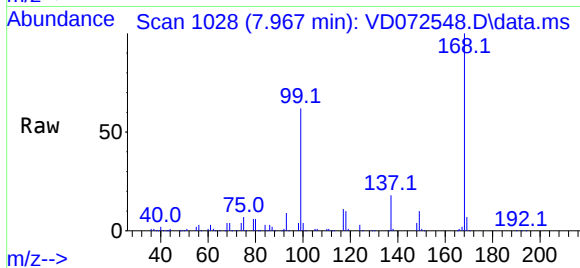
Tgt Ion: 56 Resp: 15537

Ion Ratio Lower Upper

56 100

69 129.3 25.4 38.2#

84 120.0 63.0 94.4#



Abundance

10000

8000

6000

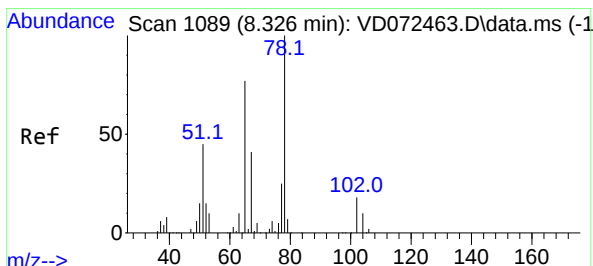
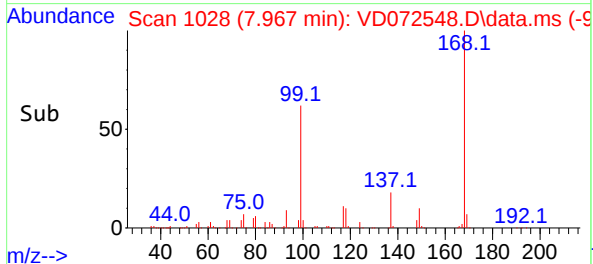
4000

2000

0

7.967

Time-->



#33

1,2-Dichloroethane-d4

Concen: 44.709 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072548.D

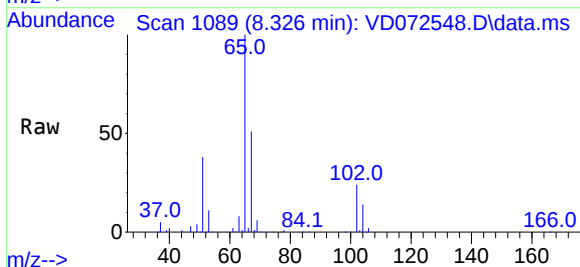
Acq: 06 Apr 2022 13:43

Tgt Ion: 65 Resp: 314852

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4



Abundance

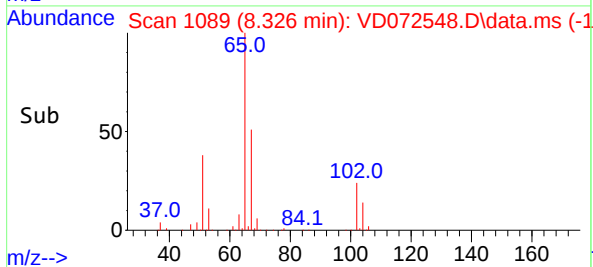
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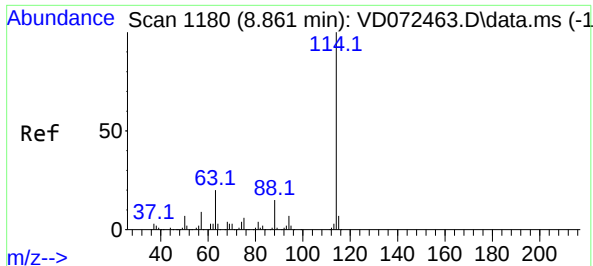
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0

8.326

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072548.D

Acq: 06 Apr 2022 13:43

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-GR-5

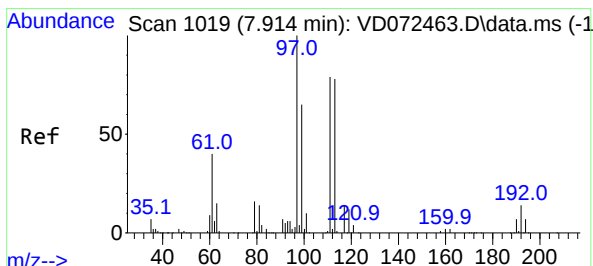
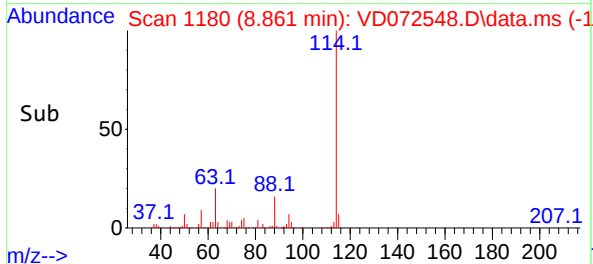
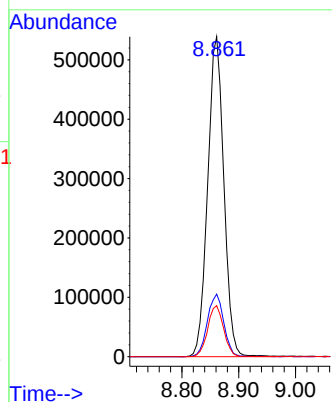
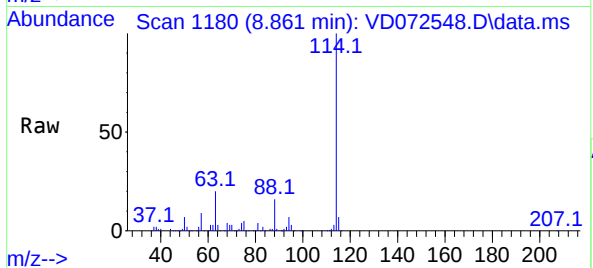
Tgt Ion:114 Resp: 1060669

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.160 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072548.D

Acq: 06 Apr 2022 13:43

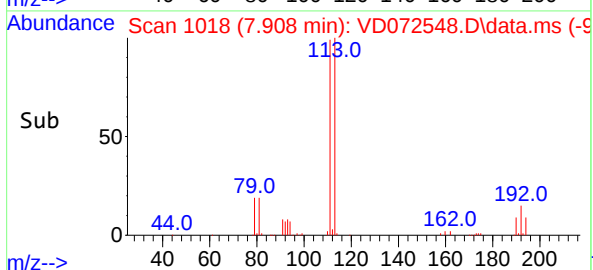
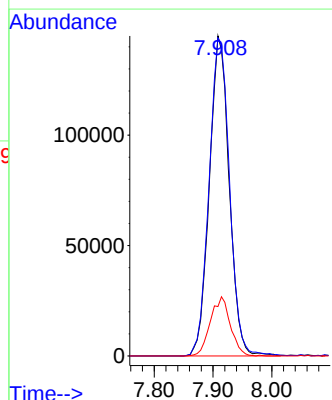
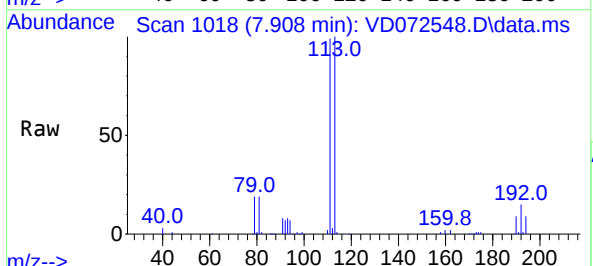
Tgt Ion:113 Resp: 339279

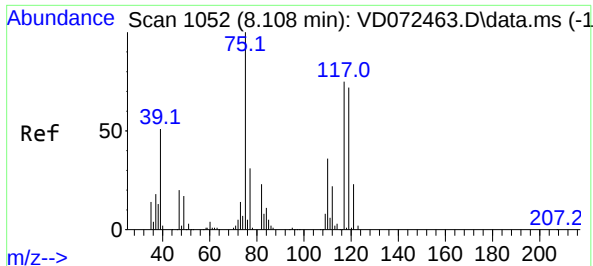
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.379 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VD072548.D

Acq: 06 Apr 2022 13:43

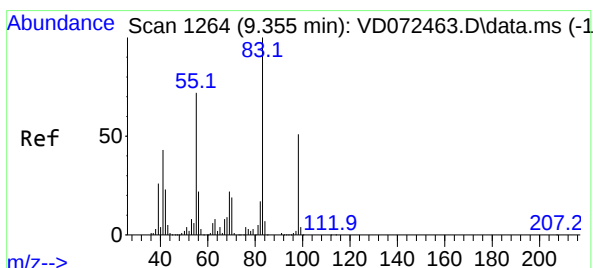
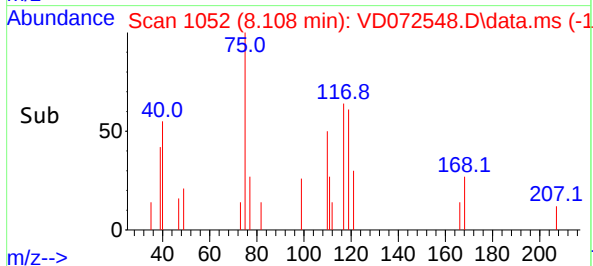
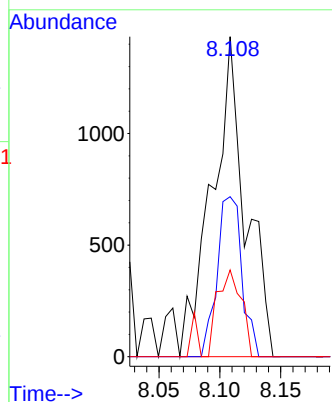
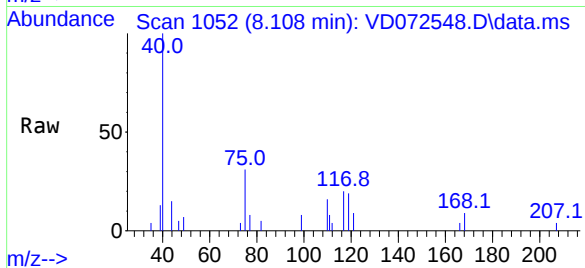
Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-4-GR-5

Tgt Ion:	75	Resp:	2746
Ion	Ratio	Lower	Upper
75	100		
110	37.0	16.4	49.1
77	19.3	24.2	36.2#



#39

Methylcyclohexane

Concen: 3.417 ug/l

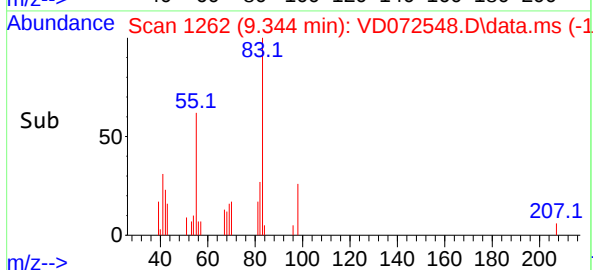
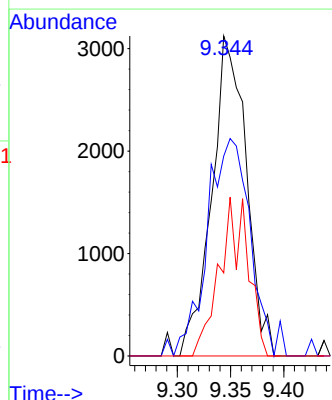
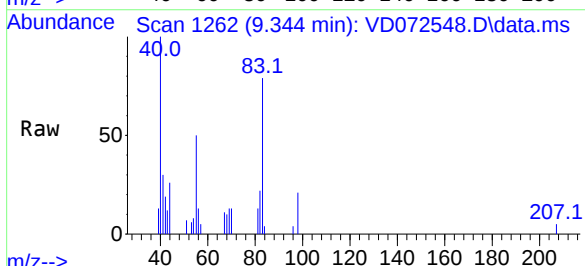
RT: 9.344 min Scan# 1262

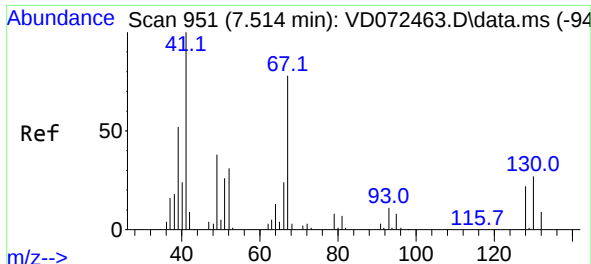
Delta R.T. -0.011 min

Lab File: VD072548.D

Acq: 06 Apr 2022 13:43

Tgt Ion:	83	Resp:	7032
Ion	Ratio	Lower	Upper
83	100		
55	56.6	63.2	94.8#
98	26.0	38.2	57.4#

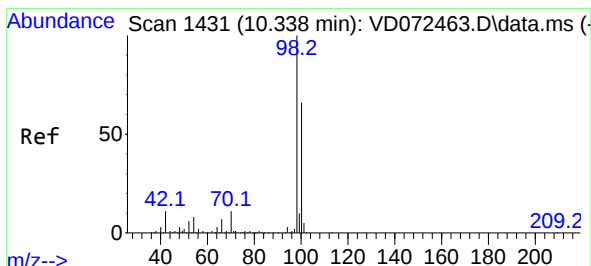
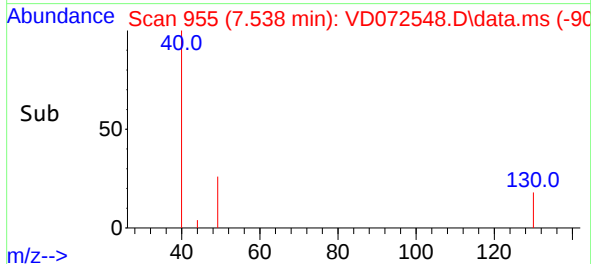
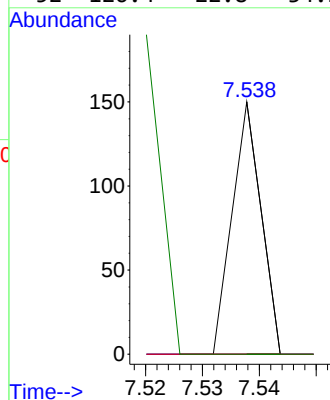
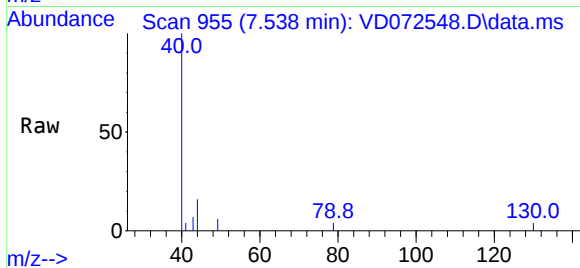




#41
Methacrylonitrile
Concen: 1.678 ug/l
RT: 7.538 min Scan# 91
Delta R.T. 0.024 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

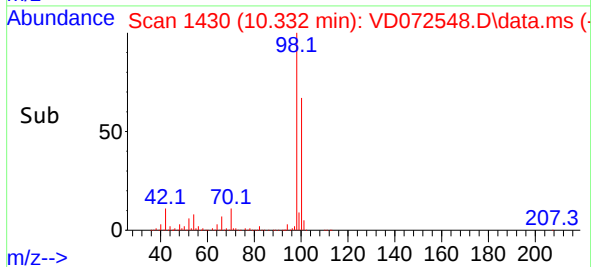
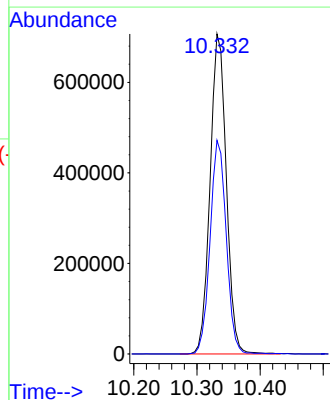
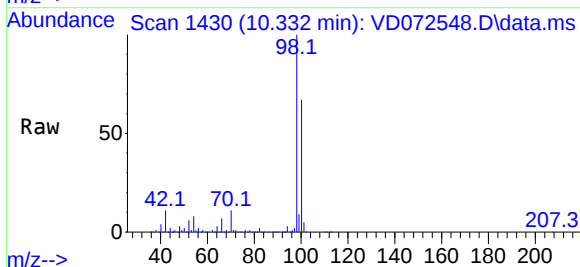
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

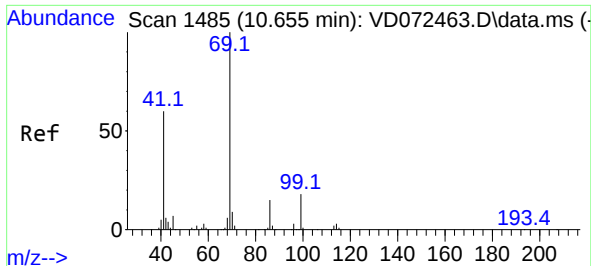
Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 126.4 22.8 34.2#



#50
Toluene-d8
Concen: 44.036 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion: 98 Resp: 1261742
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

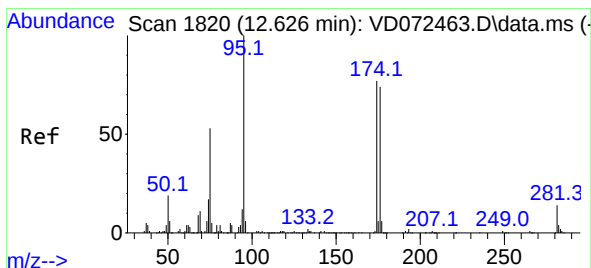
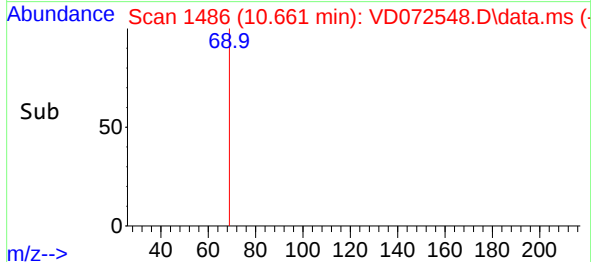
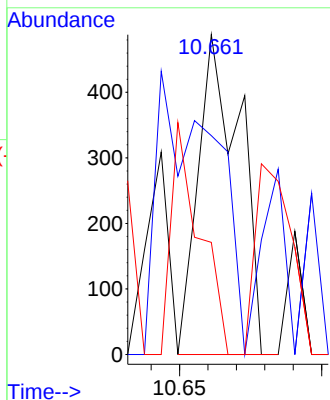
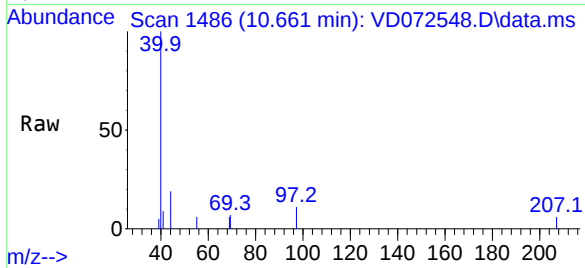




#56
Ethyl methacrylate
Concen: 1.253 ug/l
RT: 10.661 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

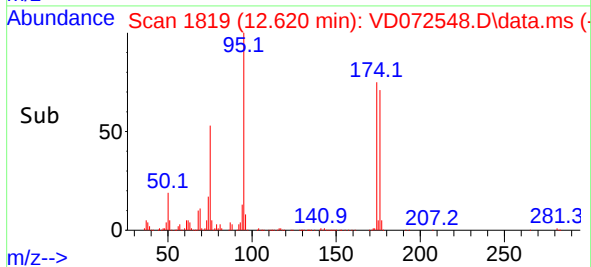
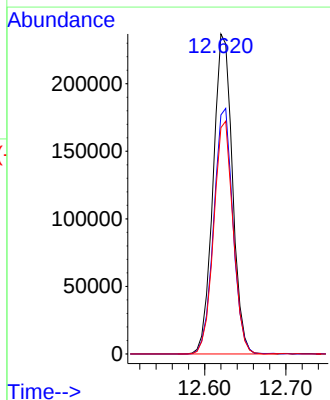
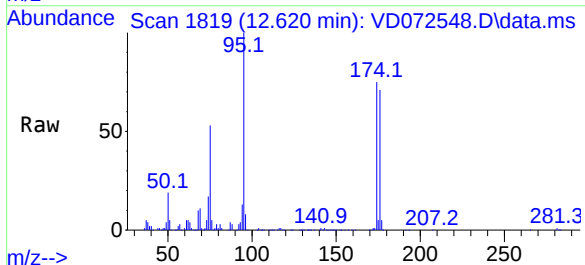
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

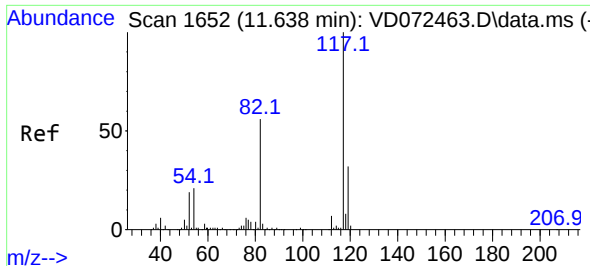
Tgt Ion: 69 Resp: 497
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 34.993 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion: 95 Resp: 391575
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 72.8 0.0 145.4

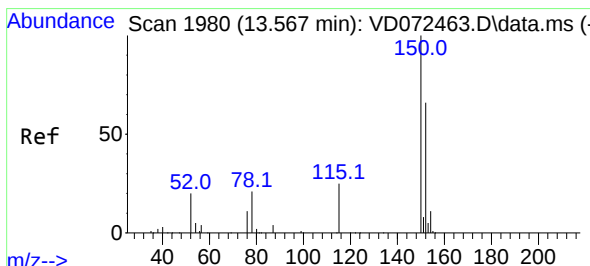
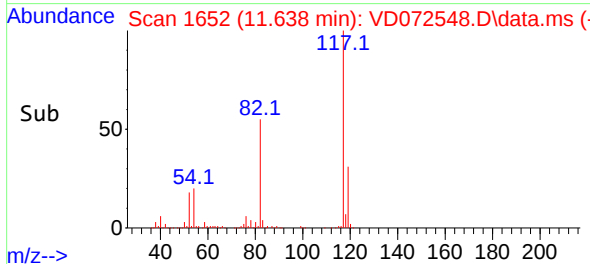
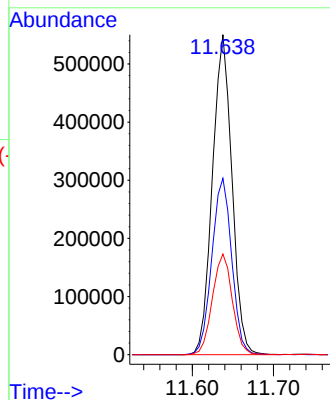
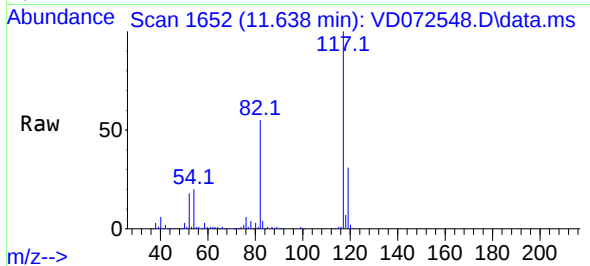




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

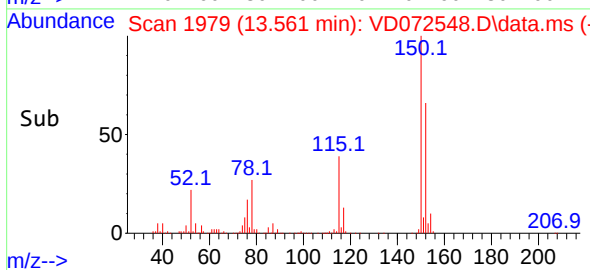
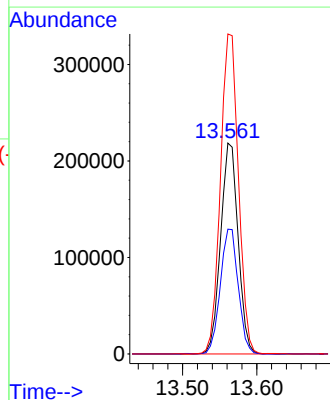
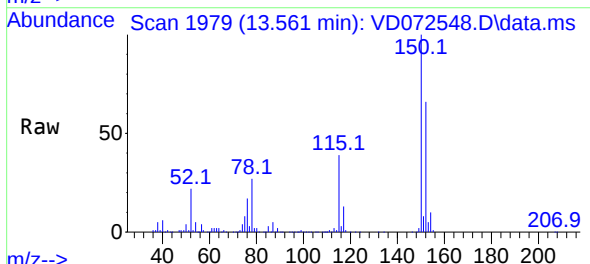
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

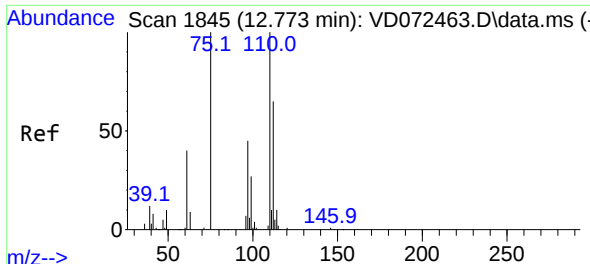
Tgt Ion:117 Resp: 919265
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 31.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion:152 Resp: 358261
Ion Ratio Lower Upper
152 100
115 60.5 31.3 93.8
150 156.1 0.0 348.6

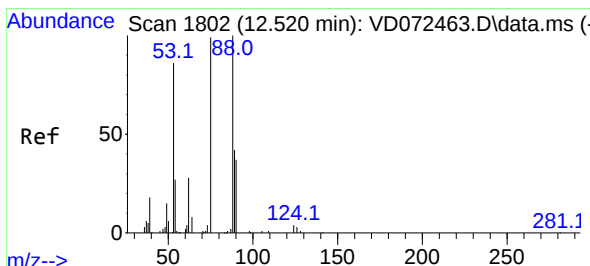
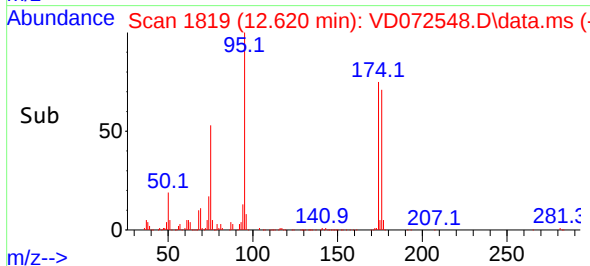
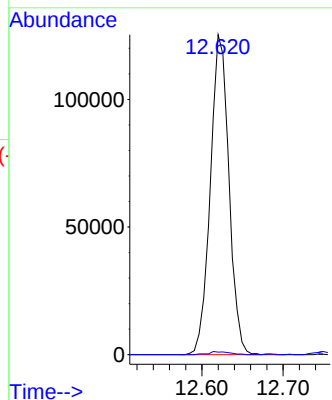
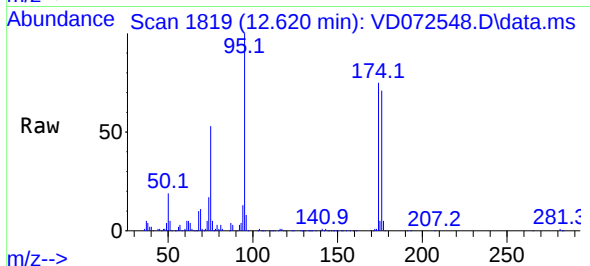




#76
1,2,3-Trichloropropane
Concen: 50.983 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-4-GR-5

Tgt Ion: 75 Resp: 199211
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.102 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072548.D
Acq: 06 Apr 2022 13:43

Tgt Ion: 75 Resp: 199211
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

