

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072226.D
 Acq On : 16 Mar 2022 18:56
 Operator : VA/SY
 Sample : N1884-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-03-031022

Quant Time: Mar 17 02:28:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

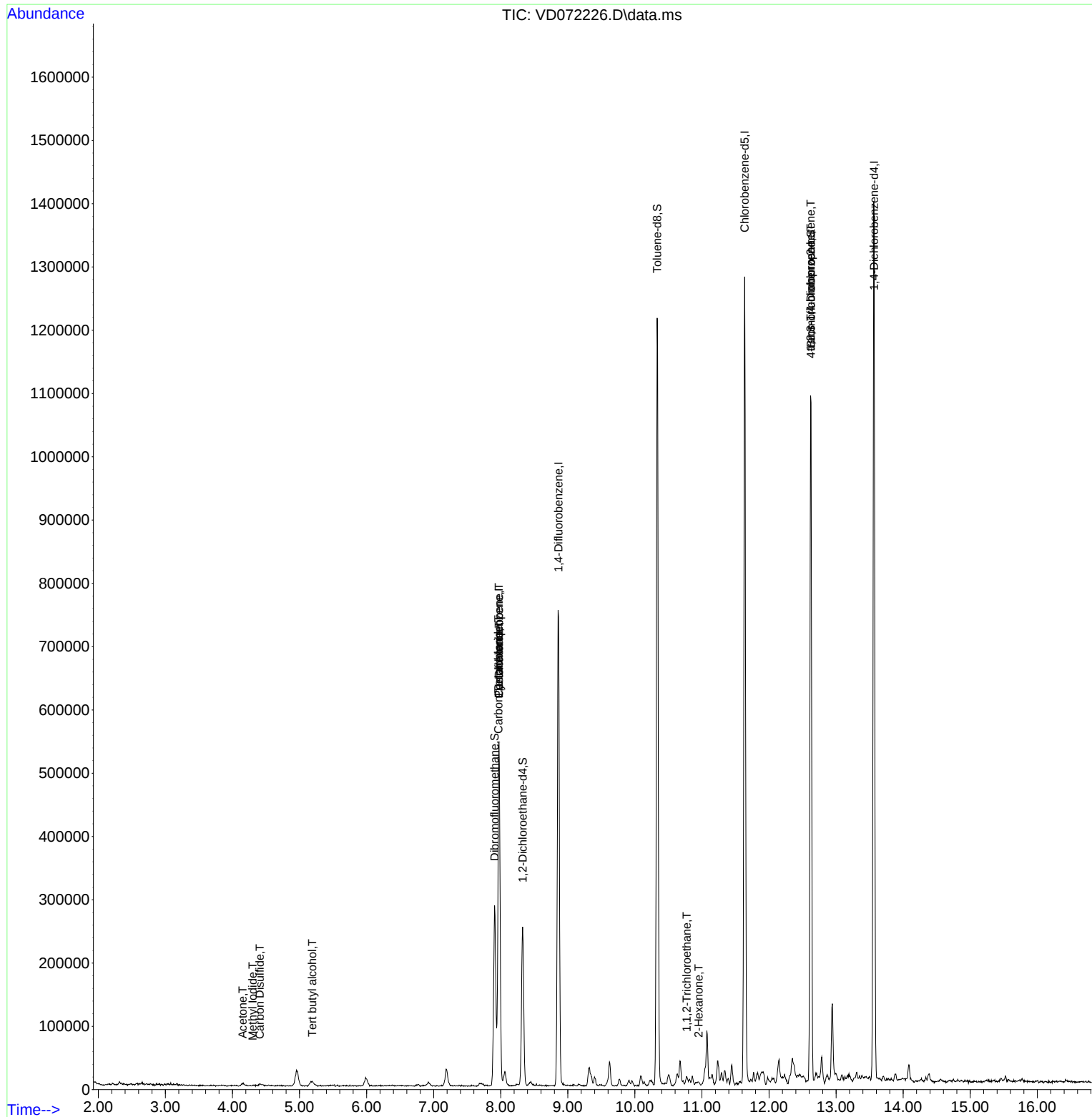
Internal Standards						
1) Pentafluorobenzene	7.973	168	395342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	662223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	726967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	371045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203057	46.088	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.180%		
35) Dibromofluoromethane	7.909	113	202574	43.470	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.940%		
50) Toluene-d8	10.332	98	831360	48.789	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.580%		
62) 4-Bromofluorobenzene	12.626	95	363961	54.972	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	109.940%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1187	2.507	ug/l #	64
11) Tert butyl alcohol	5.191	59	8795	34.428	ug/l #	74
16) Acetone	4.150	43	6283	6.568	ug/l	93
17) Carbon Disulfide	4.409	76	4388	2.003	ug/l #	81
20) Methylene Chloride	4.962	84	17643	Below Cal	#	76
31) Cyclohexane	7.973	56	8978	1.304	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	33026	5.052	ug/l #	52
38) Carbon Tetrachloride	7.967	117	41679	5.609	ug/l #	17
55) 1,1,2-Trichloroethane	10.773	97	4317	1.126	ug/l #	29
59) 2-Hexanone	10.950	43	3228	1.601	ug/l #	36
76) 1,2,3-Trichloropropane	12.620	75	186740	45.625	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	186740	113.200	ug/l #	7

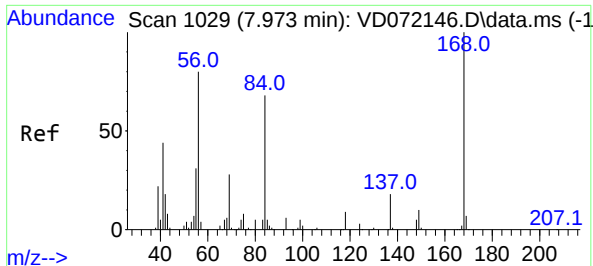
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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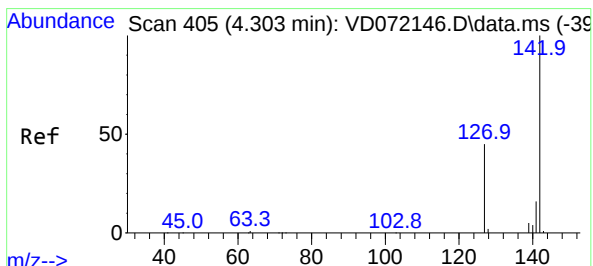
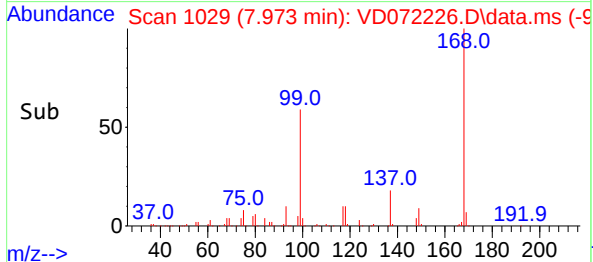
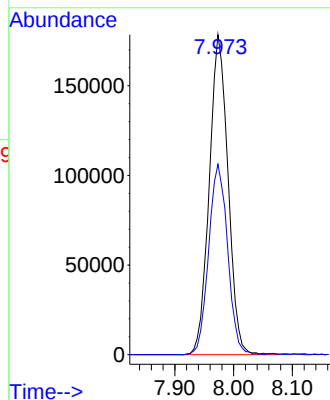
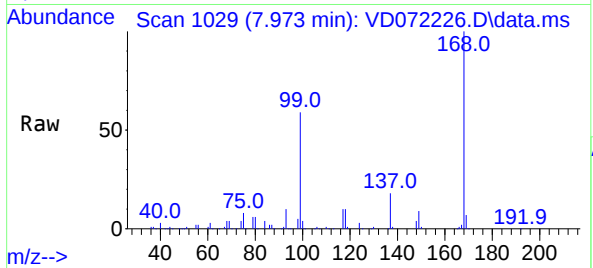




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

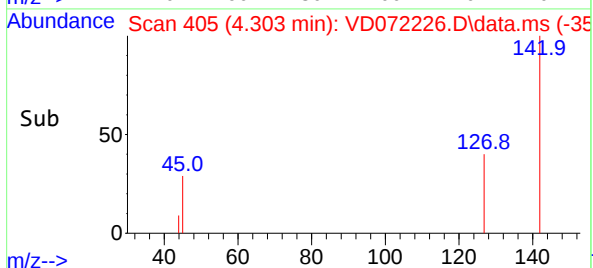
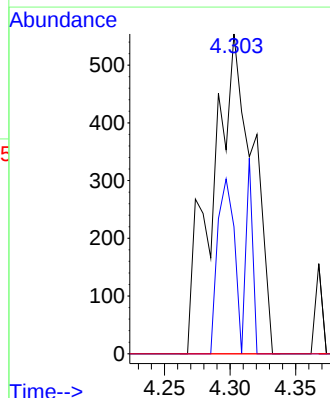
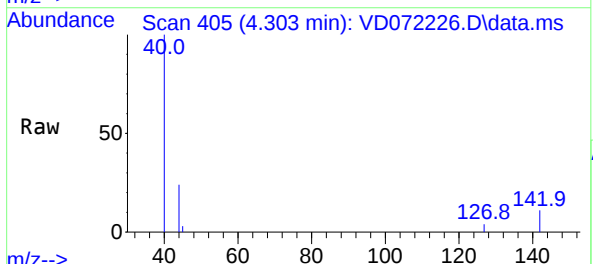
Instrument :
MSVOA_D
ClientSampleId :
HR-03-031022

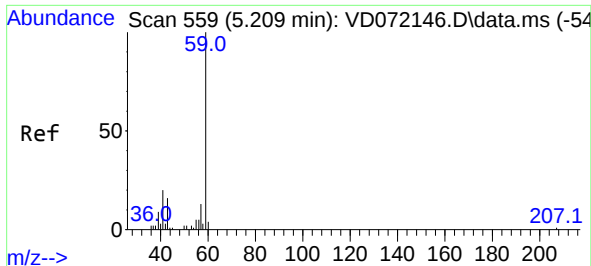
Tgt Ion:168 Resp: 395342
Ion Ratio Lower Upper
168 100
99 59.5 49.8 74.6



#10
Methyl Iodide
Concen: 2.507 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Tgt Ion:142 Resp: 1187
Ion Ratio Lower Upper
142 100
127 22.5 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 34.428 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.018 min

Lab File: VD072226.D

Acq: 16 Mar 2022 18:56

Instrument :

MSVOA_D

ClientSampleId :

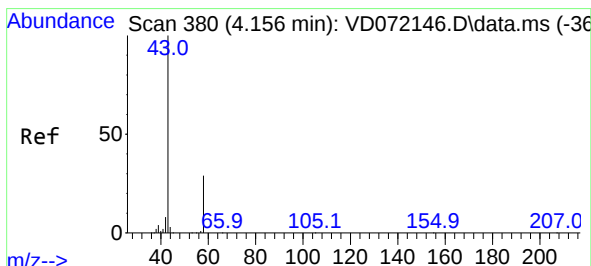
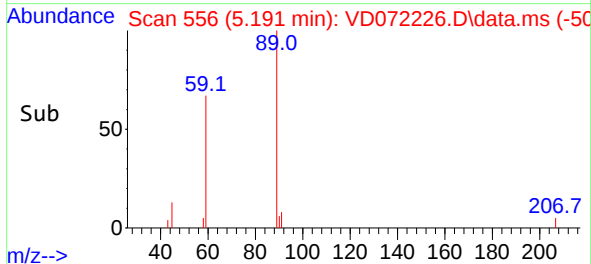
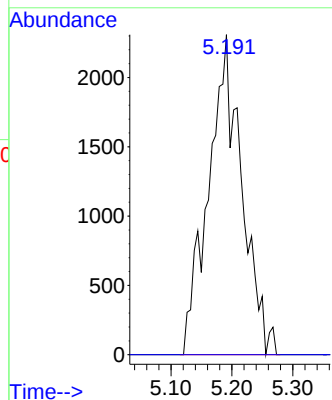
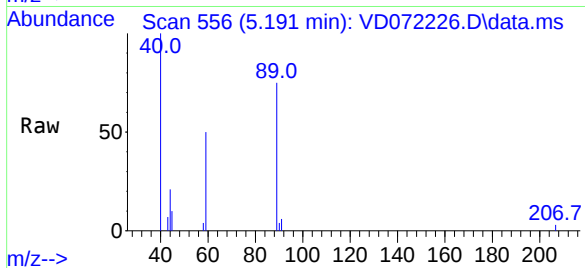
HR-03-031022

Tgt Ion: 59 Resp: 8795

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 6.568 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD072226.D

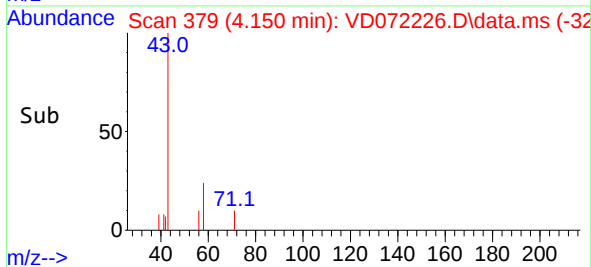
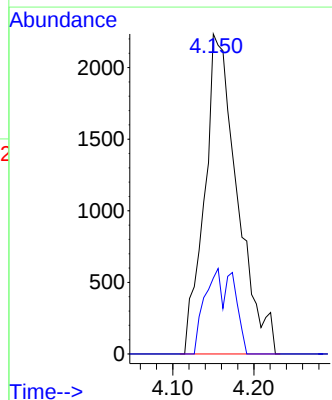
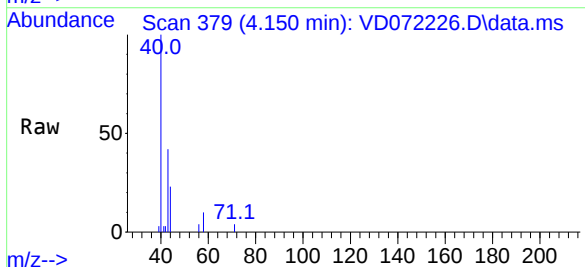
Acq: 16 Mar 2022 18:56

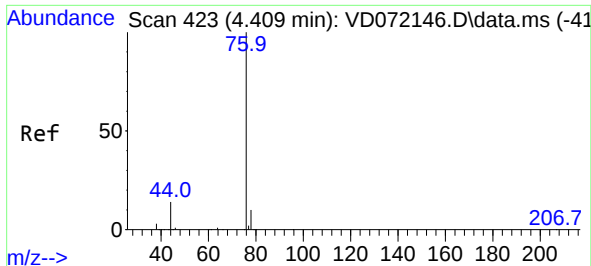
Tgt Ion: 43 Resp: 6283

Ion Ratio Lower Upper

43 100

58 23.7 22.1 33.1

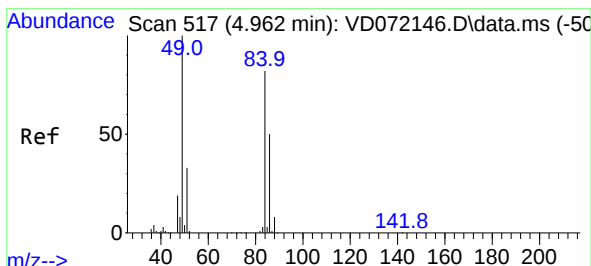
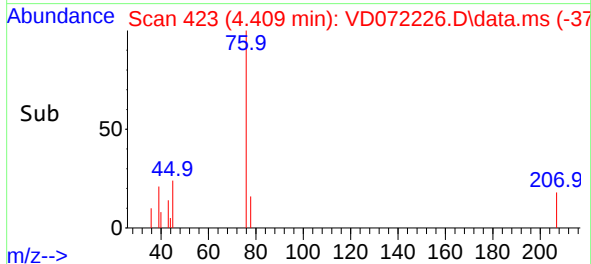
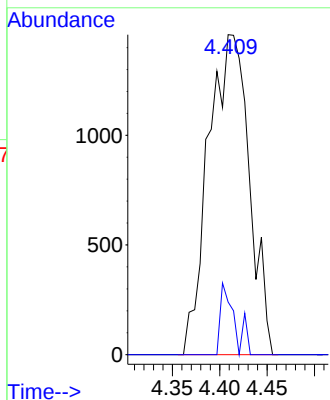
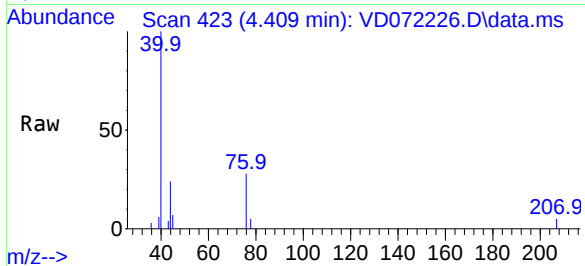




#17
Carbon Disulfide
Concen: 2.003 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

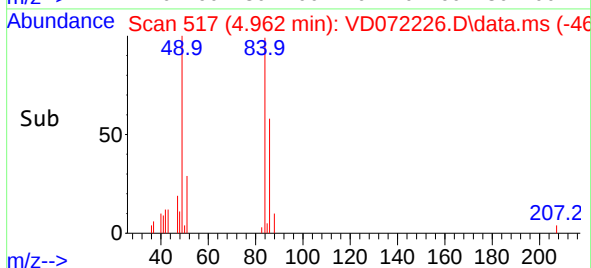
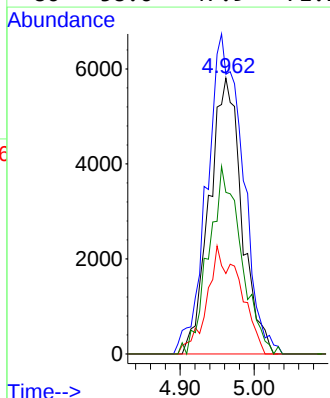
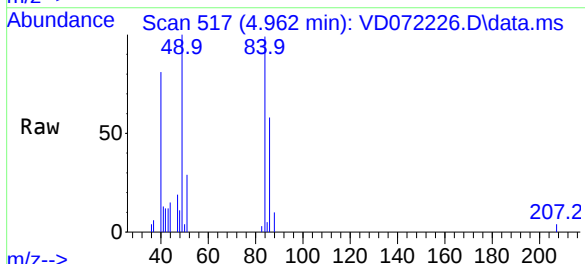
Instrument :
MSVOA_D
ClientSampleId :
HR-03-031022

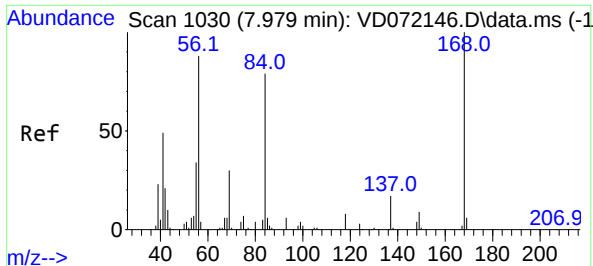
Tgt Ion: 76 Resp: 4388
Ion Ratio Lower Upper
76 100
78 16.4 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Tgt Ion: 84 Resp: 17643
Ion Ratio Lower Upper
84 100
49 98.6 112.8 169.2#
51 29.2 32.6 48.8#
86 58.6 47.9 71.9





#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072226.D

Acq: 16 Mar 2022 18:56

Instrument :

MSVOA_D

ClientSampleId :

HR-03-031022

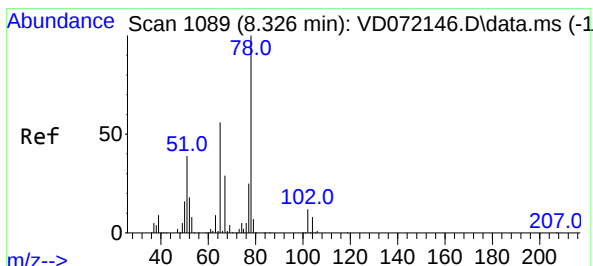
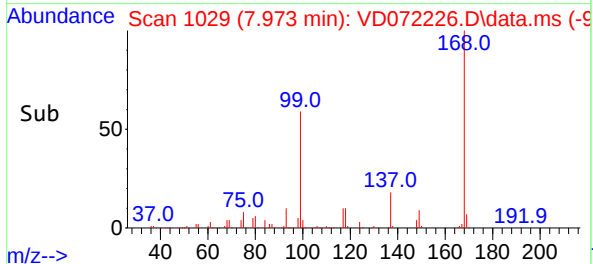
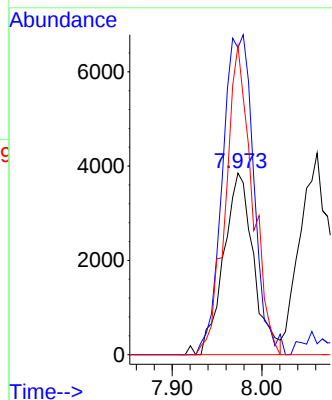
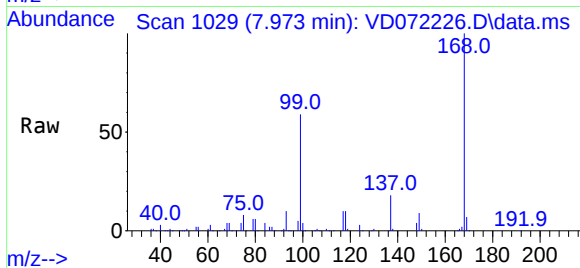
Tgt Ion: 56 Resp: 8978

Ion Ratio Lower Upper

56 100

69 169.0 25.4 38.2#

84 170.2 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 46.088 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072226.D

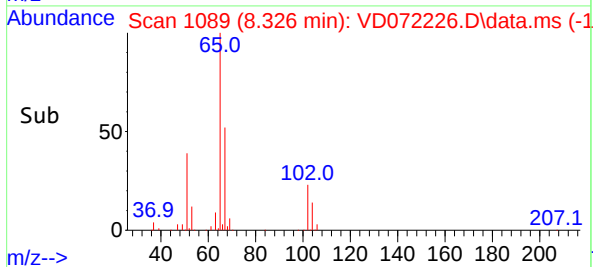
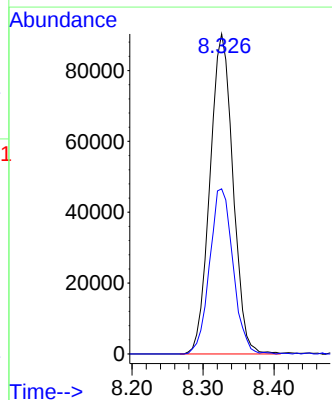
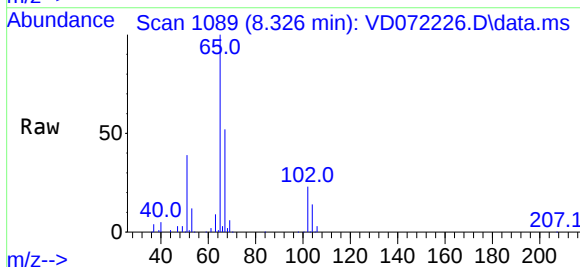
Acq: 16 Mar 2022 18:56

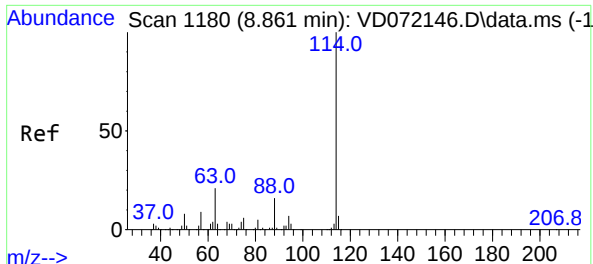
Tgt Ion: 65 Resp: 203057

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072226.D

Acq: 16 Mar 2022 18:56

Instrument :

MSVOA_D

ClientSampleId :

HR-03-031022

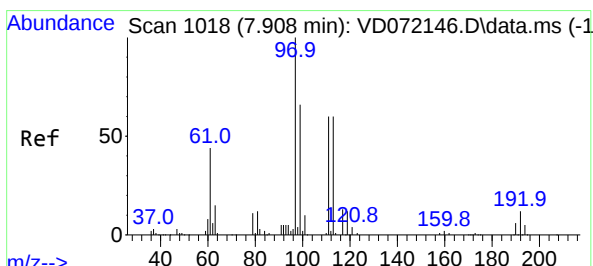
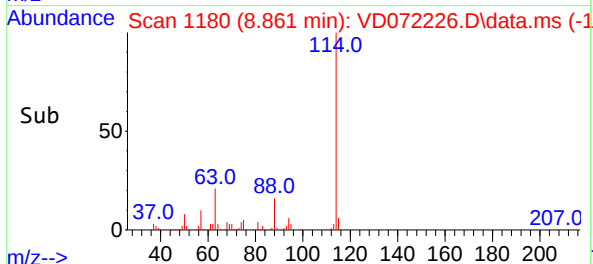
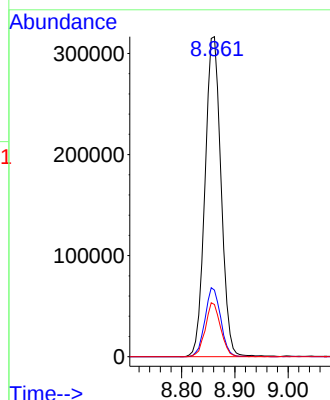
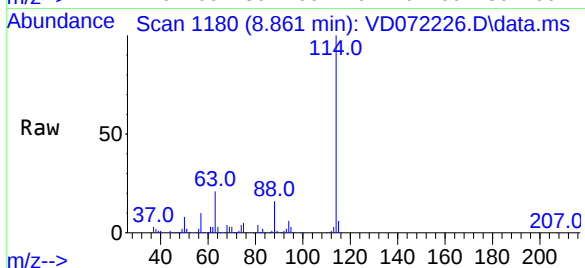
Tgt Ion:114 Resp: 662223

Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.470 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072226.D

Acq: 16 Mar 2022 18:56

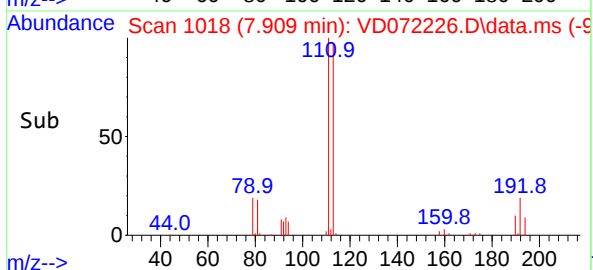
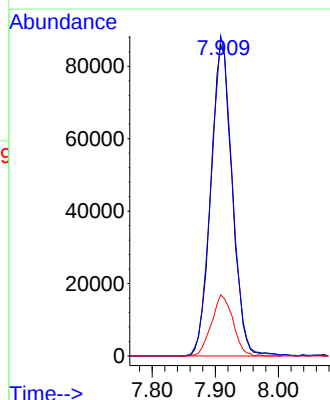
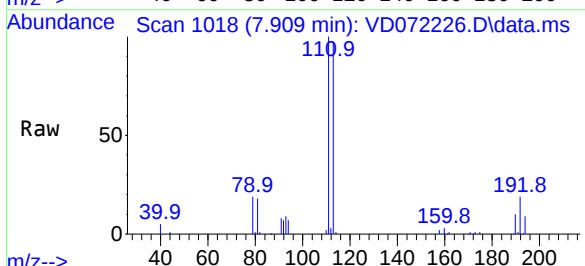
Tgt Ion:113 Resp: 202574

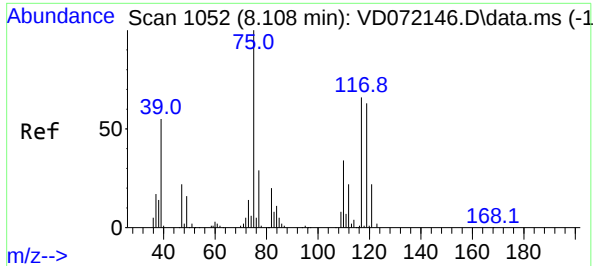
Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 19.6 14.6 21.8

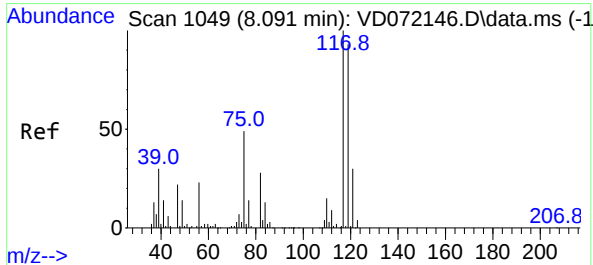
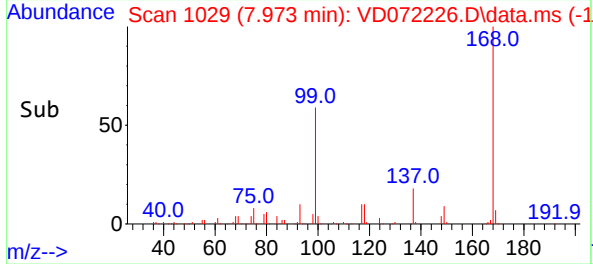
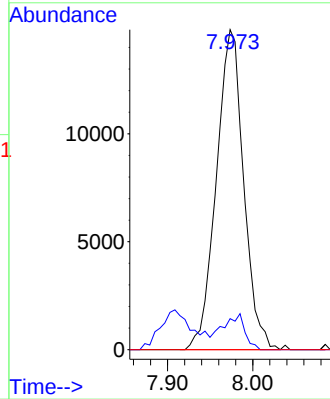
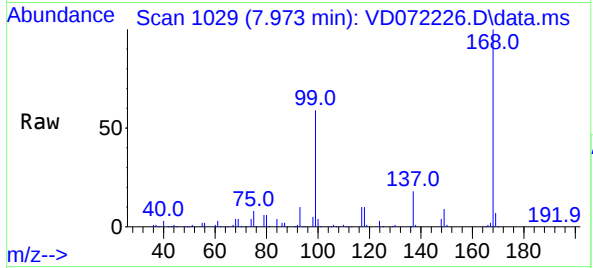




#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

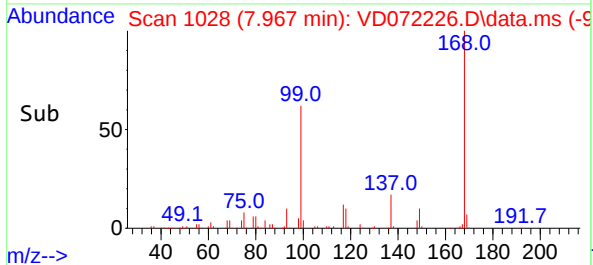
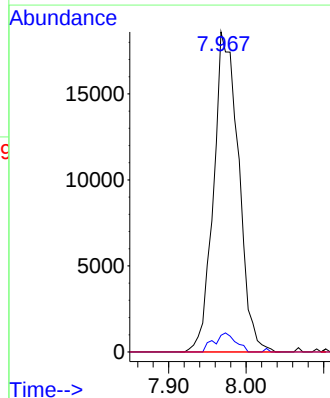
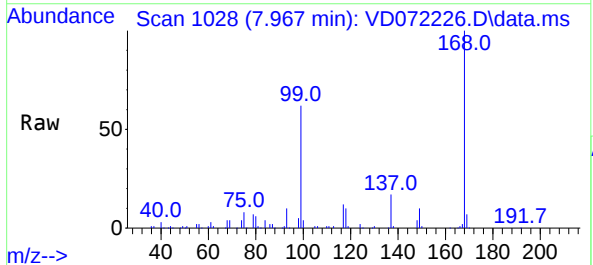
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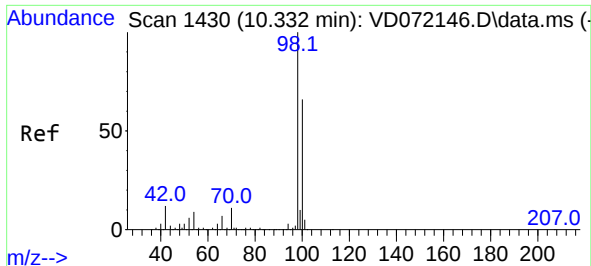
Tgt Ion: 75 Resp: 33026
Ion Ratio Lower Upper
75 100
110 9.3 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Tgt Ion: 117 Resp: 41679
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.5 36.7#

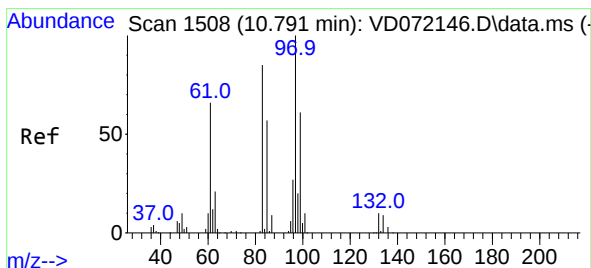
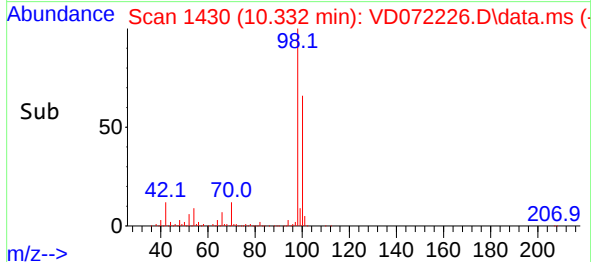
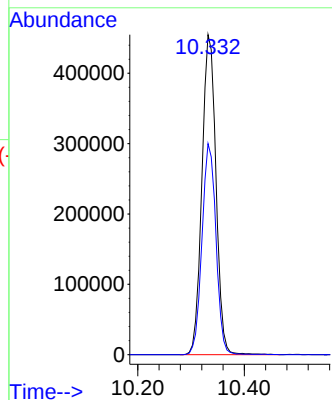
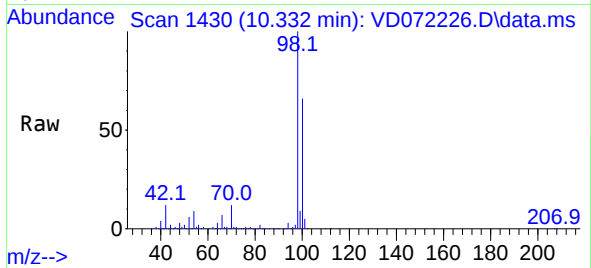




#50
Toluene-d8
Concen: 48.789 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

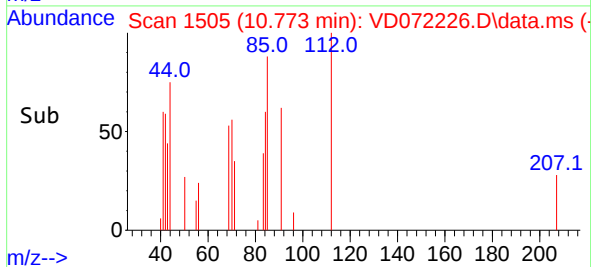
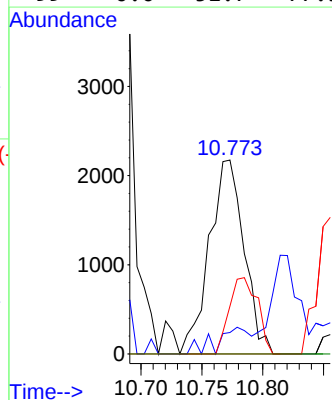
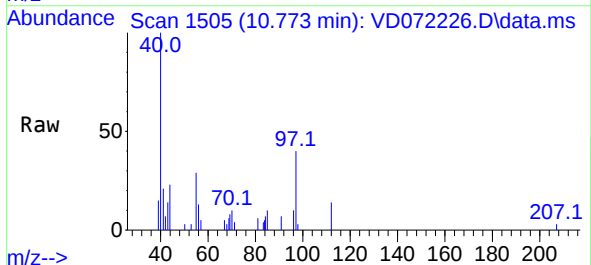
Instrument :
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HR-03-031022

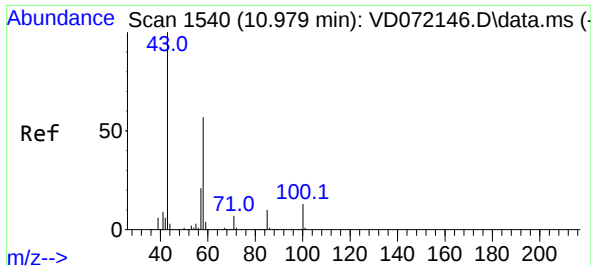
Tgt Ion: 98 Resp: 831360
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 1.126 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Tgt Ion: 97 Resp: 4317
Ion Ratio Lower Upper
97 100
83 11.0 69.0 103.4#
85 24.6 42.6 63.8#
99 0.0 51.7 77.5#

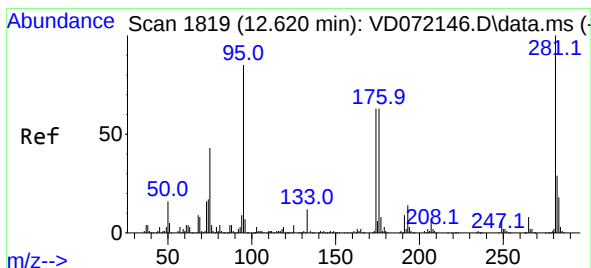
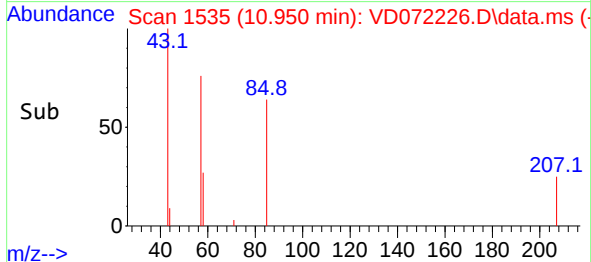
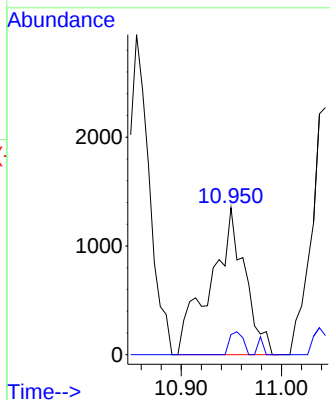
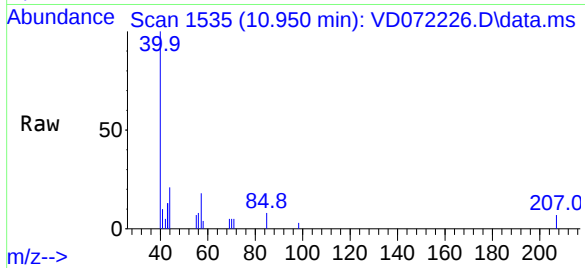




#59
2-Hexanone
Concen: 1.601 ug/l
RT: 10.950 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

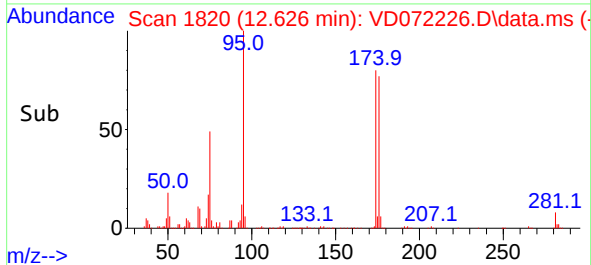
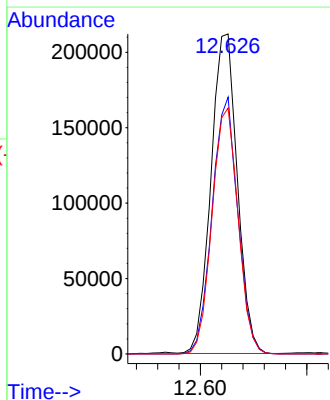
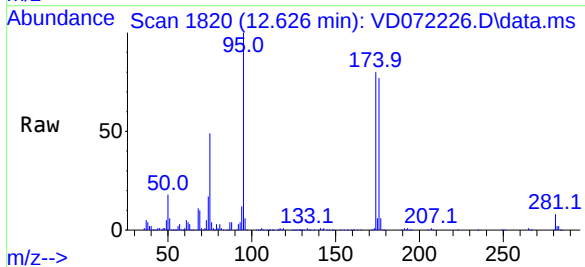
Instrument :
MSVOA_D
ClientSampleId :
HR-03-031022

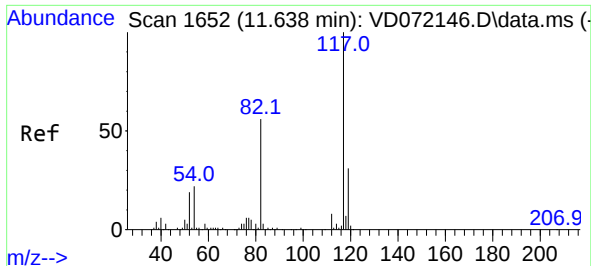
Tgt Ion: 43 Resp: 3228
Ion Ratio Lower Upper
43 100
58 6.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 54.972 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Tgt Ion: 95 Resp: 363961
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.8
176 75.9 0.0 145.4

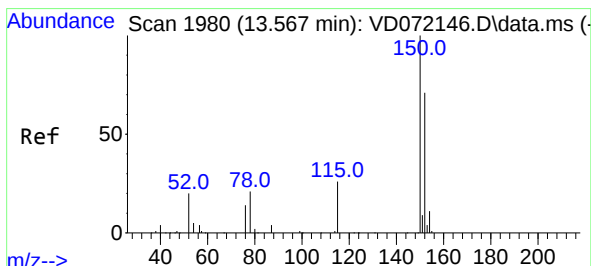
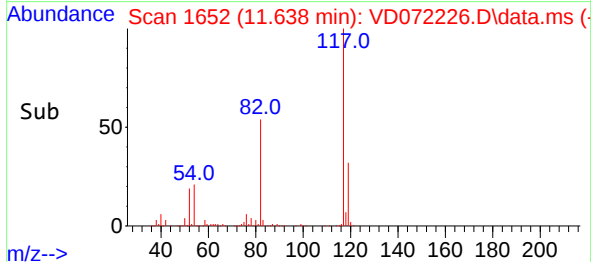
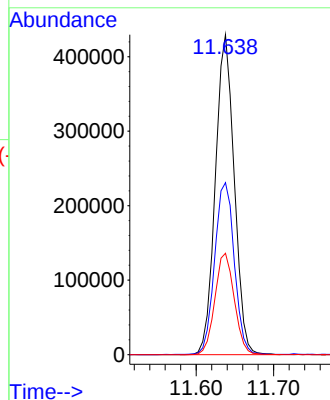
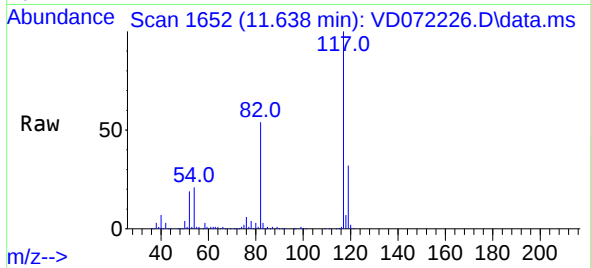




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

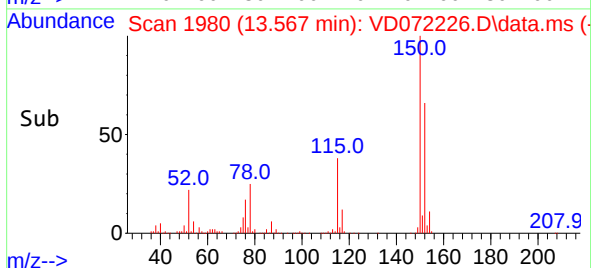
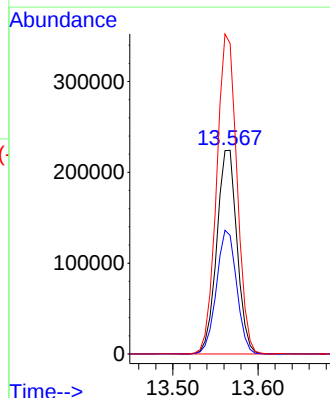
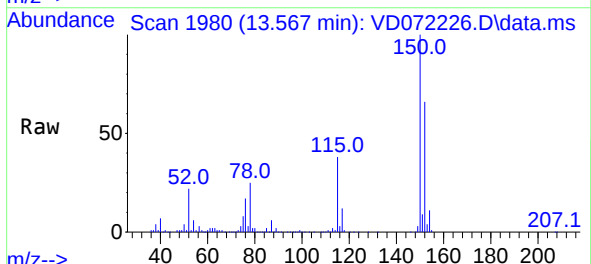
Instrument :
MSVOA_D
ClientSampleId :
HR-03-031022

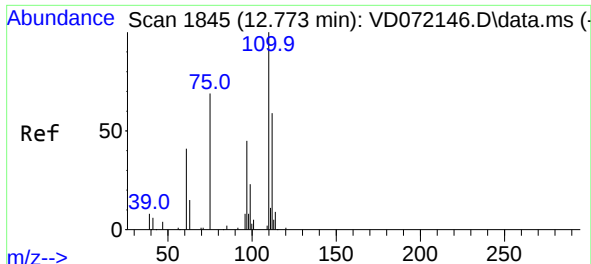
Tgt Ion:117 Resp: 726967
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Tgt Ion:152 Resp: 371045
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 157.3 0.0 348.6

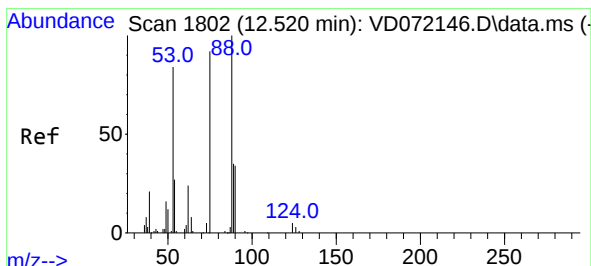
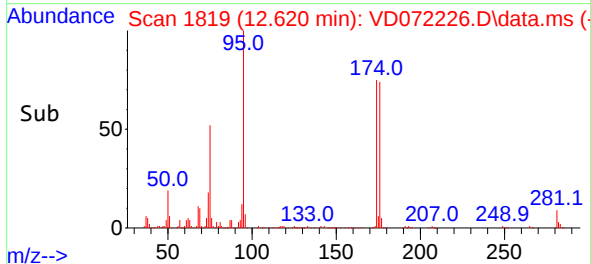
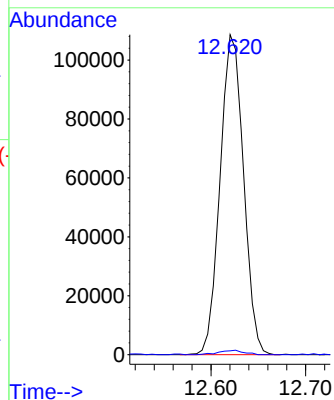
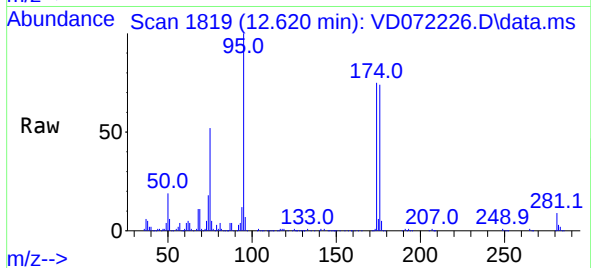




#76
1,2,3-Trichloropropane
Concen: 45.625 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Instrument :
MSVOA_D
ClientSampleId :
HR-03-031022

Tgt Ion: 75 Resp: 186740
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.200 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072226.D
Acq: 16 Mar 2022 18:56

Tgt Ion: 75 Resp: 186740
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

