

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072227.D
 Acq On : 16 Mar 2022 19:25
 Operator : VA/SY
 Sample : N1884-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-04-031022

Quant Time: Mar 17 02:28:44 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)

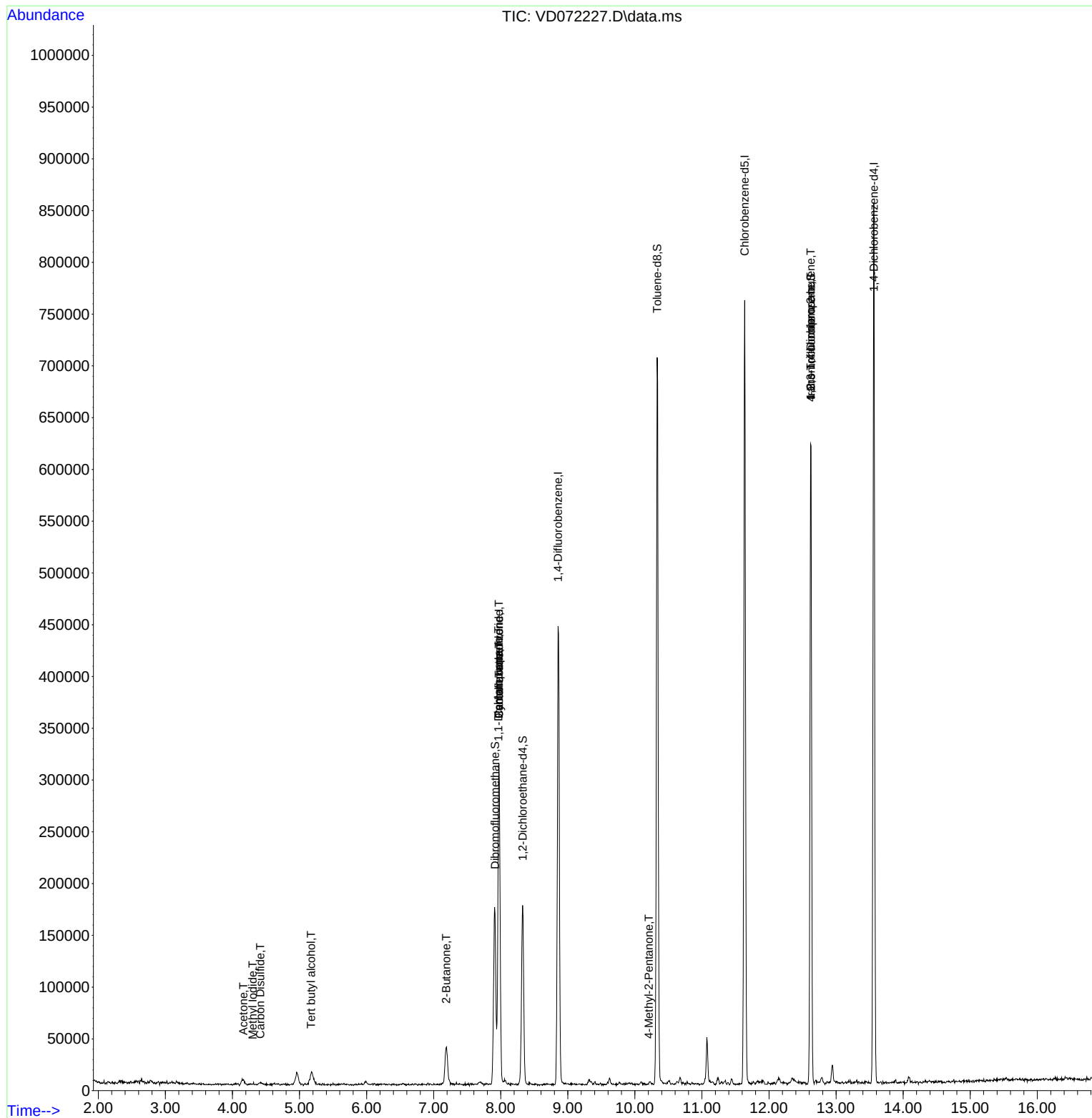
Internal Standards						
1) Pentafluorobenzene	7.973	168	230961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	383006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	431640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	224481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	141159	54.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 109.680%		
35) Dibromofluoromethane	7.914	113	126717	47.015	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 94.040%		
50) Toluene-d8	10.332	98	480420	48.748	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 97.500%		
62) 4-Bromofluorobenzene	12.626	95	212495	55.492	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 110.980%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	726	2.520	ug/l #	64
11) Tert butyl alcohol	5.173	59	12522	83.905	ug/l #	74
16) Acetone	4.162	43	9033	16.163	ug/l #	76
17) Carbon Disulfide	4.415	76	2238	1.939	ug/l #	74
20) Methylene Chloride	4.985	84	8328	Below Cal	#	56
25) 2-Butanone	7.185	43	1683	2.259	ug/l #	52
31) Cyclohexane	7.973	56	4821	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	20119	5.321	ug/l #	51
38) Carbon Tetrachloride	7.973	117	22720	5.286	ug/l #	18
51) 4-Methyl-2-Pentanone	10.208	43	1885	1.116	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	109321	44.148	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	109321	109.536	ug/l #	7

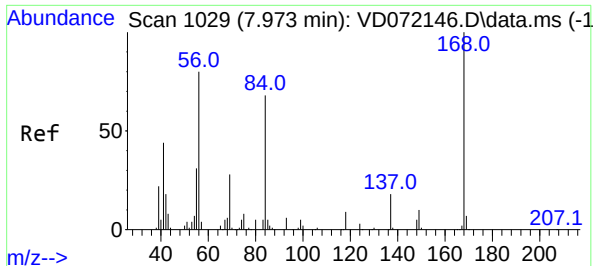
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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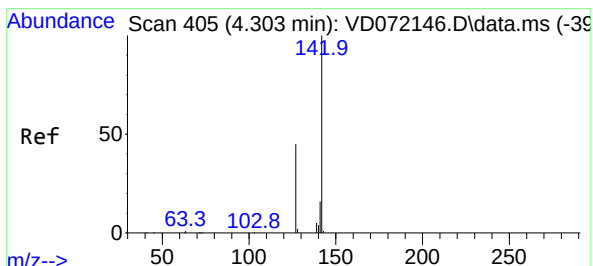
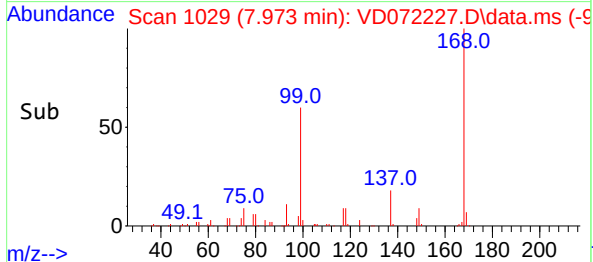
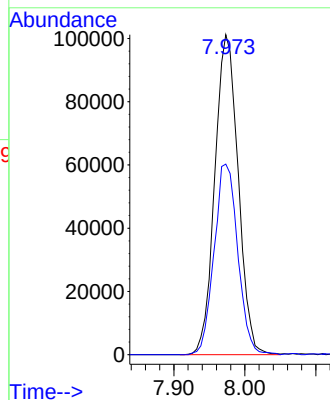
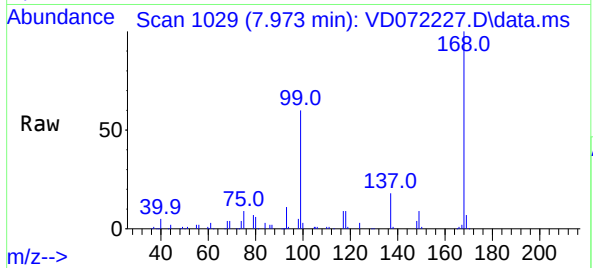




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

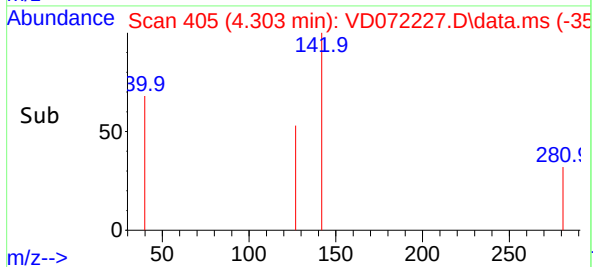
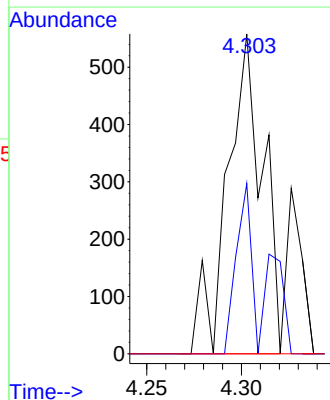
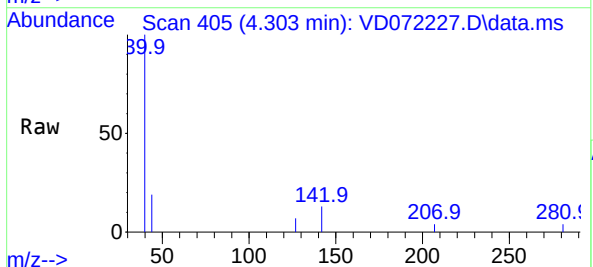
Instrument :
MSVOA_D
ClientSampleId :
HR-04-031022

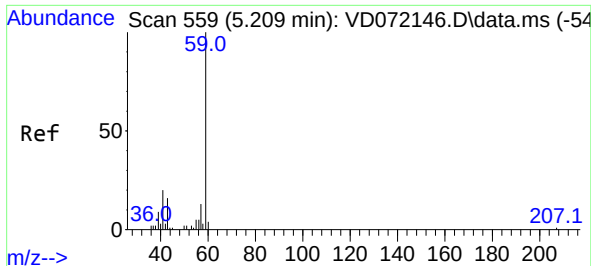
Tgt Ion:168 Resp: 230961
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.520 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion:142 Resp: 726
Ion Ratio Lower Upper
142 100
127 22.6 37.3 55.9#
141 0.0 11.7 17.5#

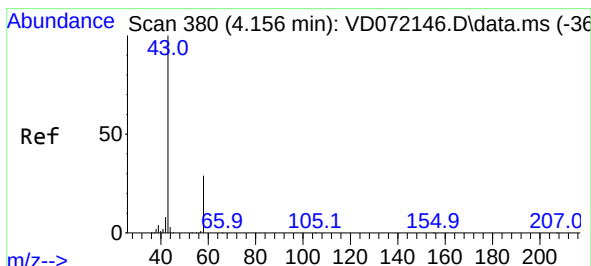
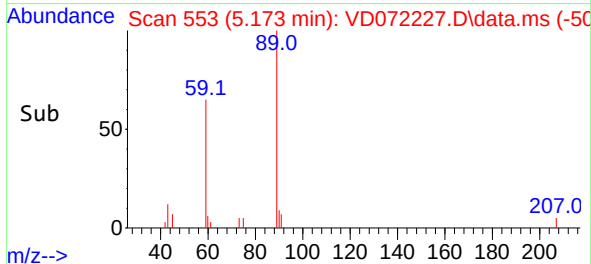
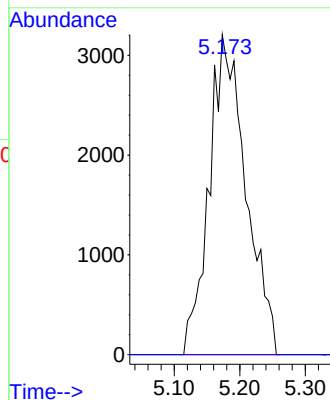
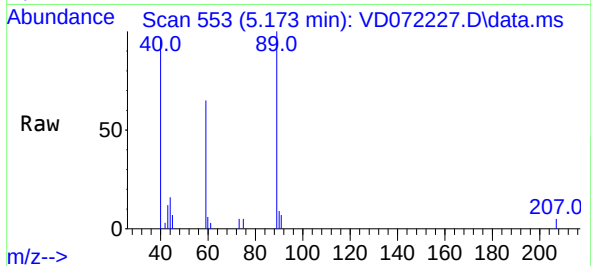




#11
Tert butyl alcohol
Concen: 83.905 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

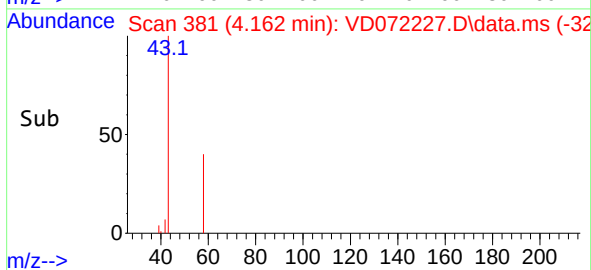
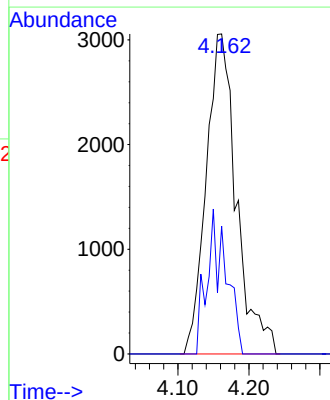
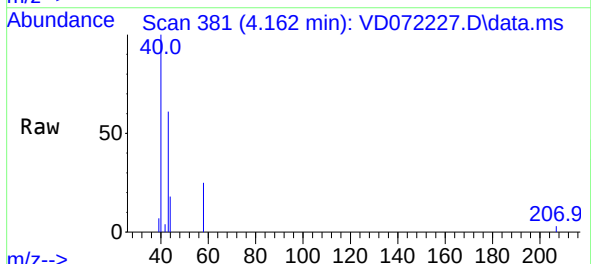
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MSVOA_D
ClientSampleId :
HR-04-031022

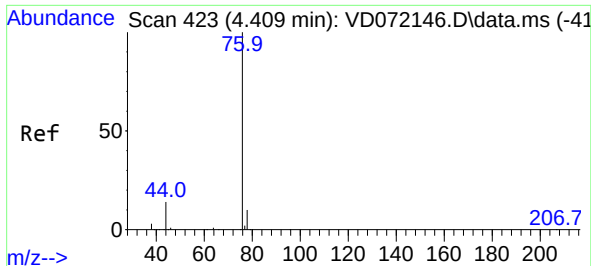
Tgt Ion: 59 Resp: 12522
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 16.163 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion: 43 Resp: 9033
Ion Ratio Lower Upper
43 100
58 39.9 22.1 33.1#





#17

Carbon Disulfide

Concen: 1.939 ug/l

RT: 4.415 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD072227.D

Acq: 16 Mar 2022 19:25

Instrument :

MSVOA_D

ClientSampleId :

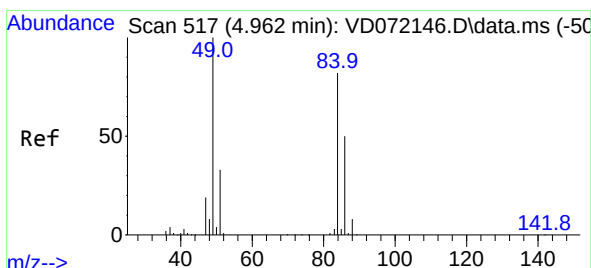
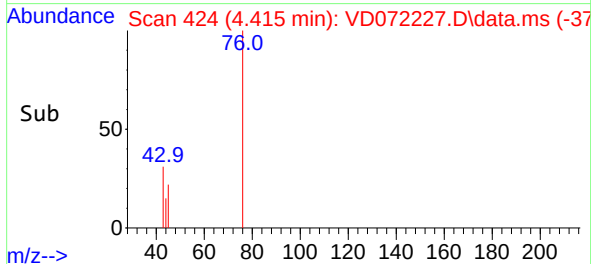
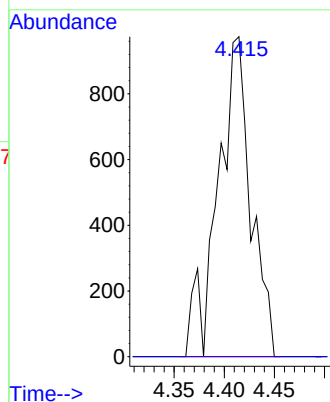
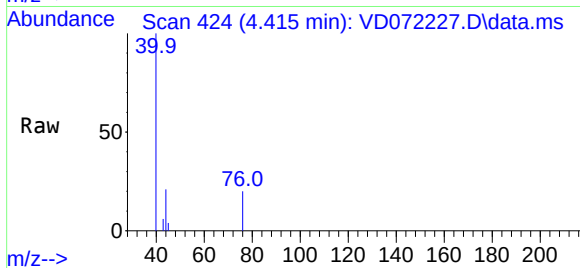
HR-04-031022

Tgt Ion: 76 Resp: 2238

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.985 min Scan# 521

Delta R.T. 0.023 min

Lab File: VD072227.D

Acq: 16 Mar 2022 19:25

Tgt Ion: 84 Resp: 8328

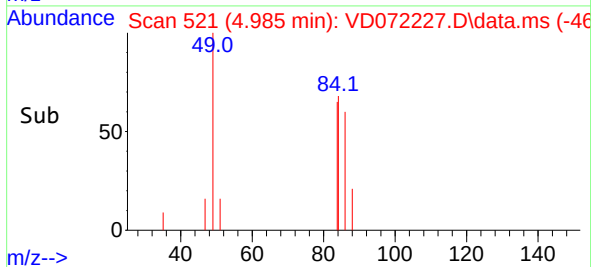
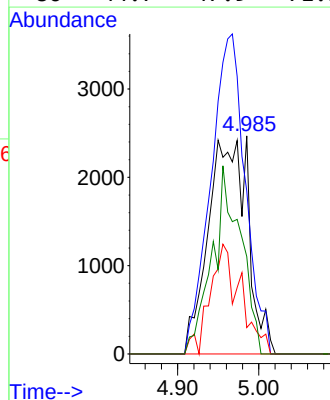
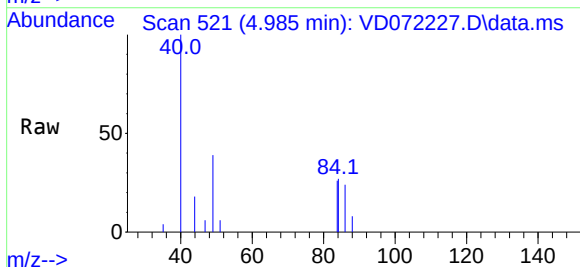
Ion Ratio Lower Upper

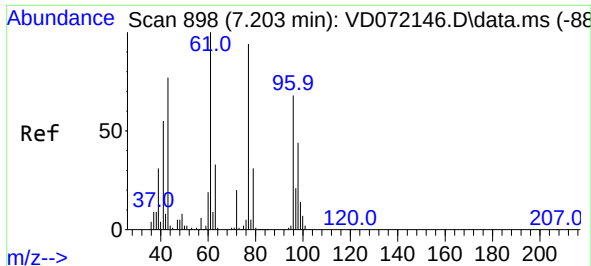
84 100

49 74.8 112.8 169.2#

51 12.1 32.6 48.8#

86 44.7 47.9 71.9#

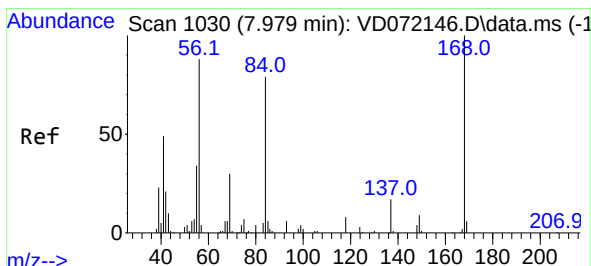
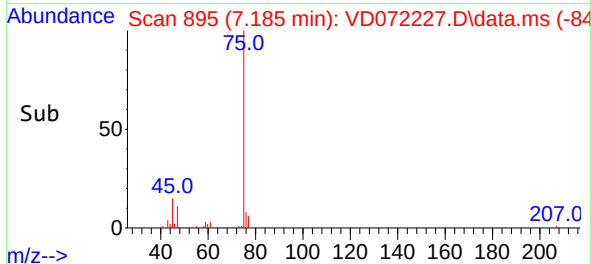
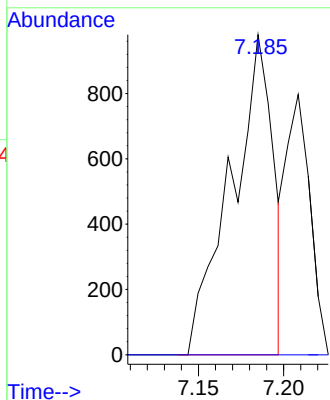
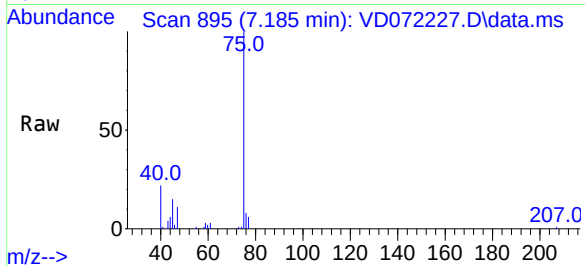




#25
2-Butanone
Concen: 2.259 ug/l
RT: 7.185 min Scan# 89
Delta R.T. -0.018 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

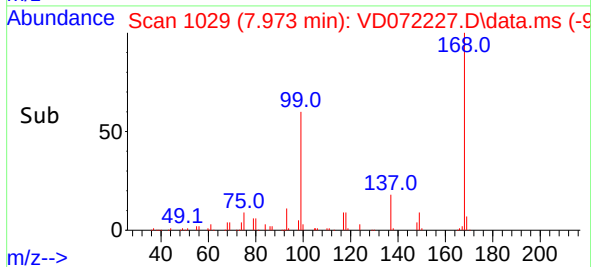
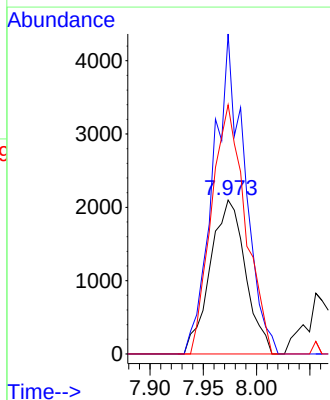
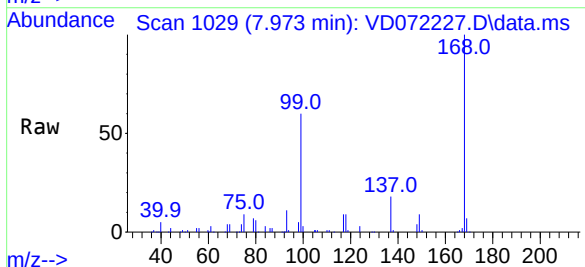
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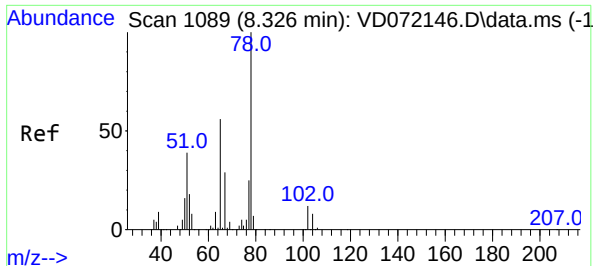
Tgt Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion: 56 Resp: 4821
Ion Ratio Lower Upper
56 100
69 208.0 25.4 38.2#
84 161.9 63.0 94.4#

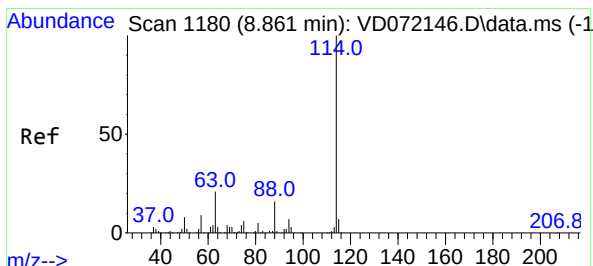
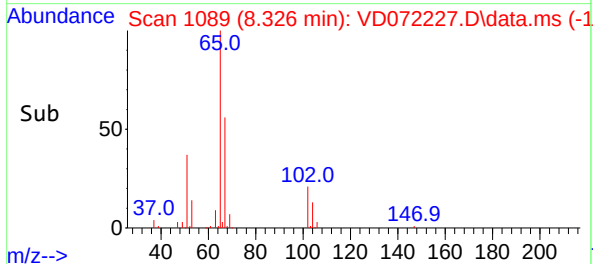
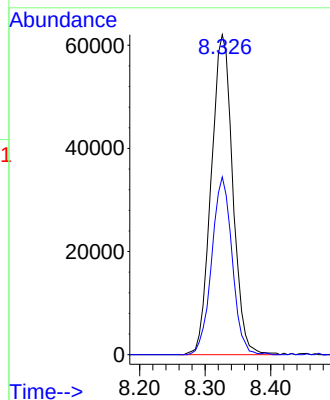
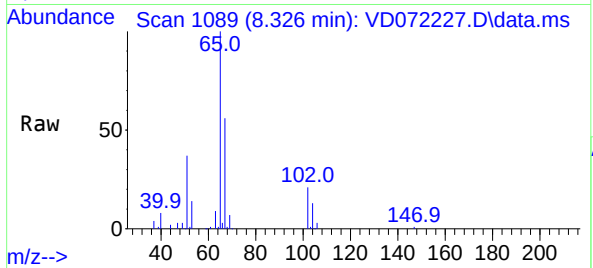




#33
1,2-Dichloroethane-d4
Concen: 54.842 ug/l
RT: 8.326 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

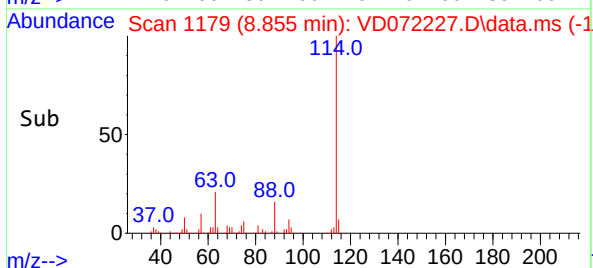
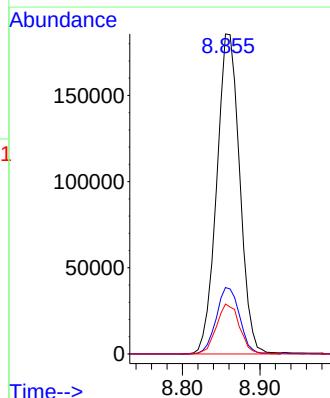
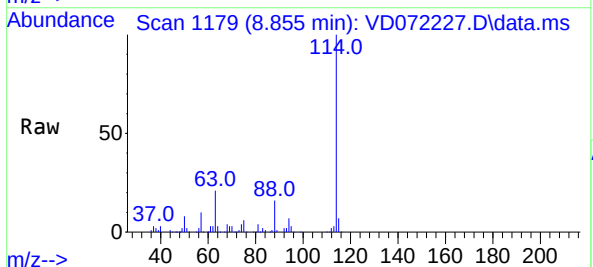
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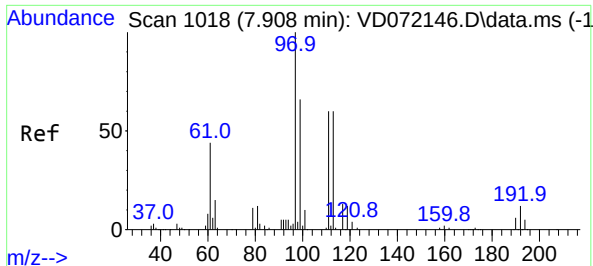
Tgt Ion: 65 Resp: 141159
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion: 114 Resp: 383006
Ion Ratio Lower Upper
114 100
63 20.8 0.0 46.6
88 15.6 0.0 33.2

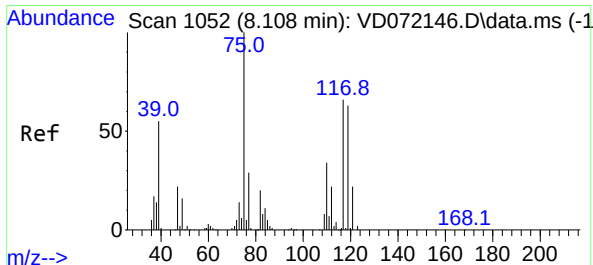
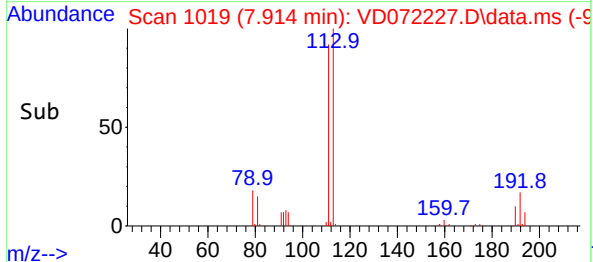
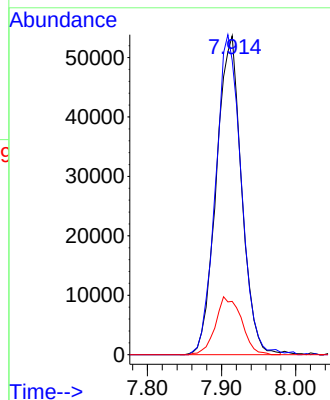
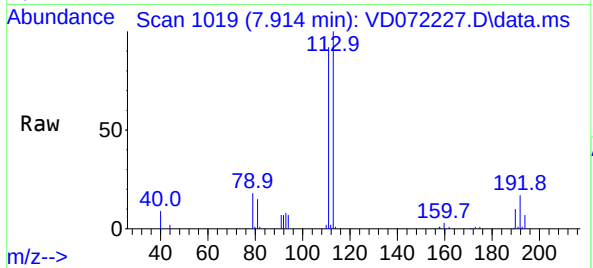




#35
Dibromofluoromethane
Concen: 47.015 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

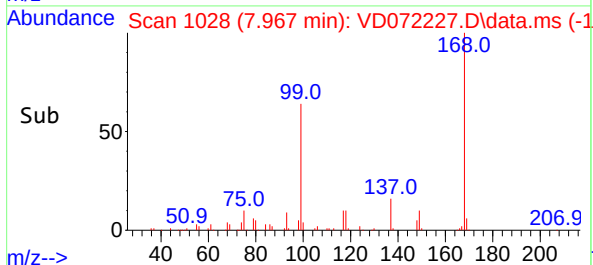
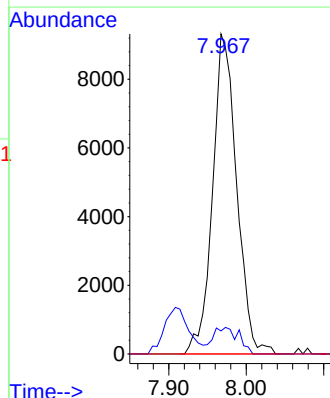
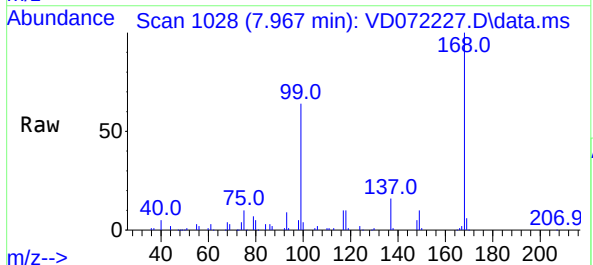
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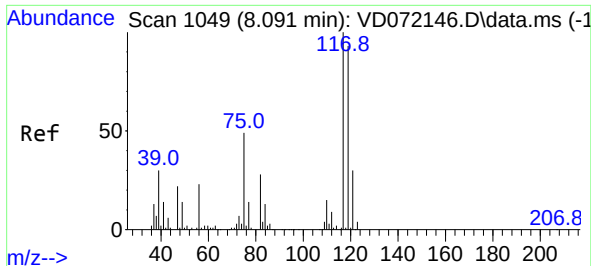
Tgt Ion:113 Resp: 126717
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.6
192 18.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.321 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion: 75 Resp: 20119
Ion Ratio Lower Upper
75 100
110 9.0 16.4 49.1#
77 0.0 24.2 36.2#

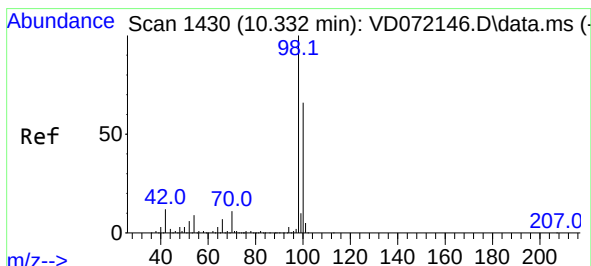
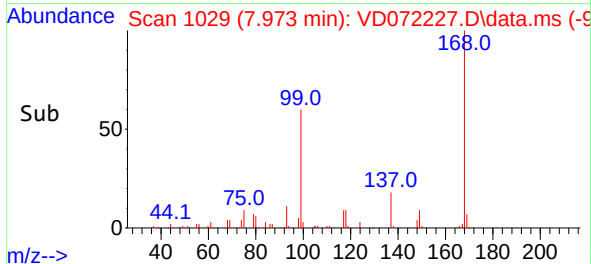
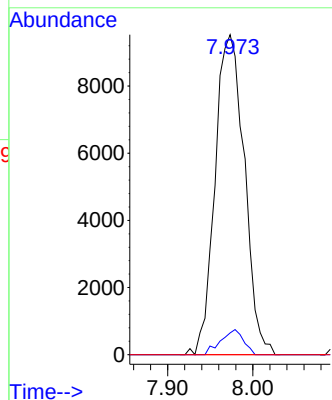
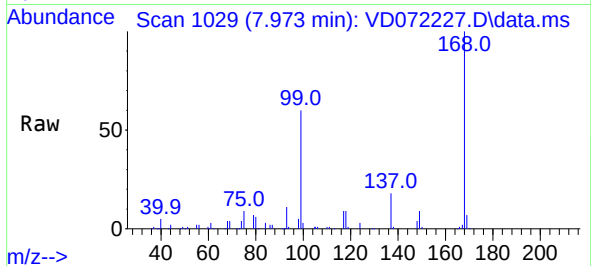




#38
Carbon Tetrachloride
Concen: 5.286 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

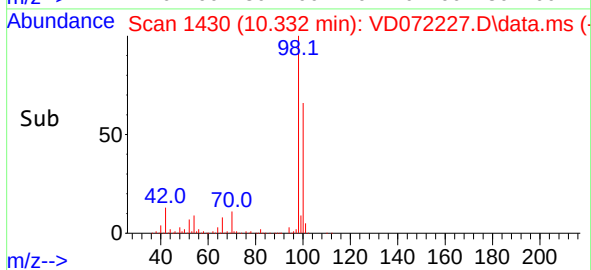
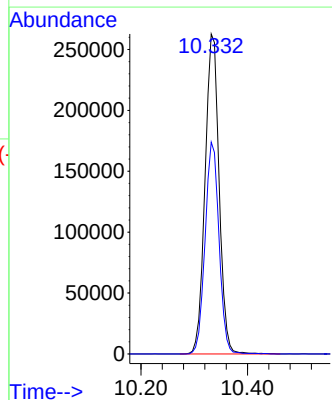
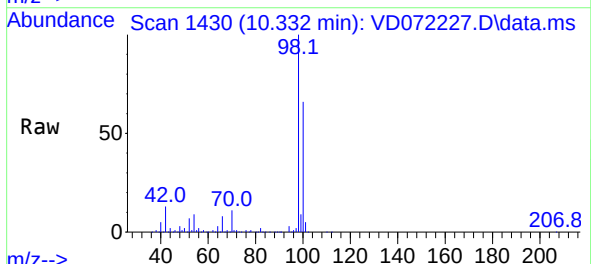
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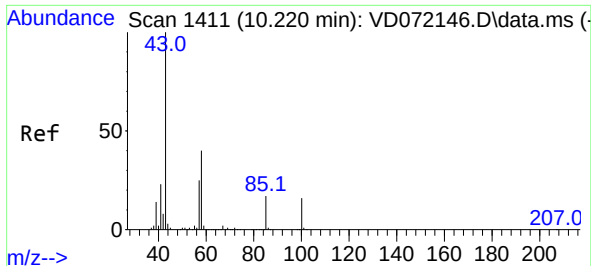
Tgt Ion:117 Resp: 22720
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.748 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion: 98 Resp: 480420
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

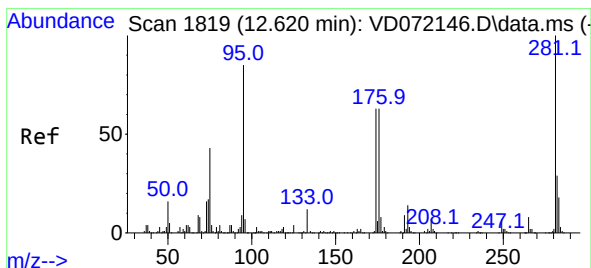
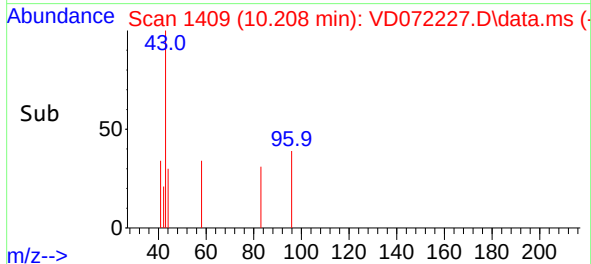
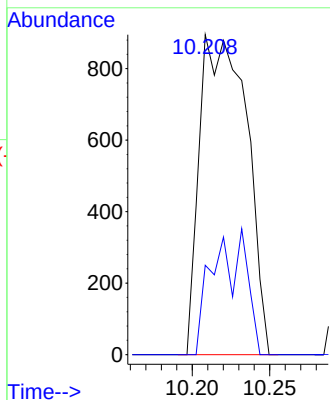
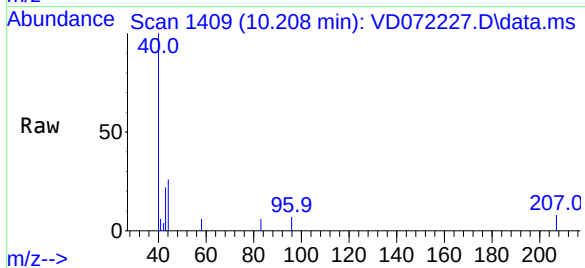




#51
4-Methyl-2-Pentanone
Concen: 1.116 ug/l
RT: 10.208 min Scan# 1411
Delta R.T. -0.012 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

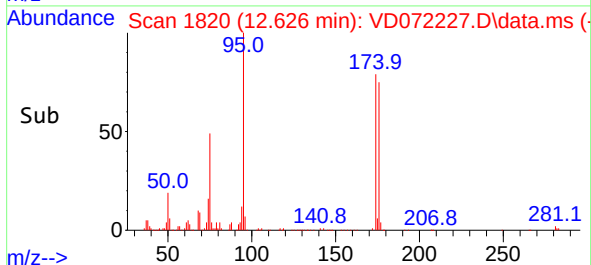
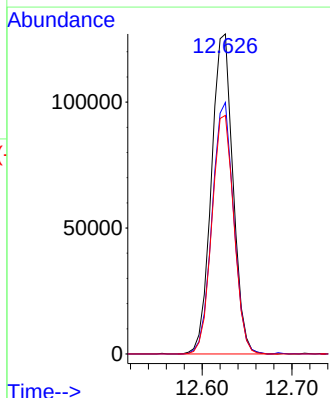
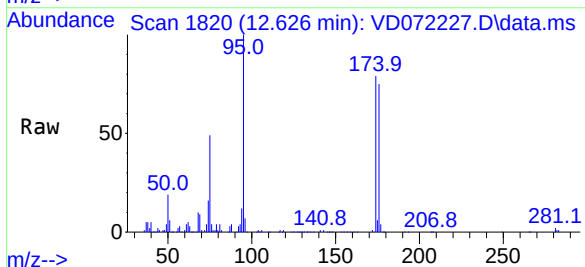
Instrument :
MSVOA_D
ClientSampleId :
HR-04-031022

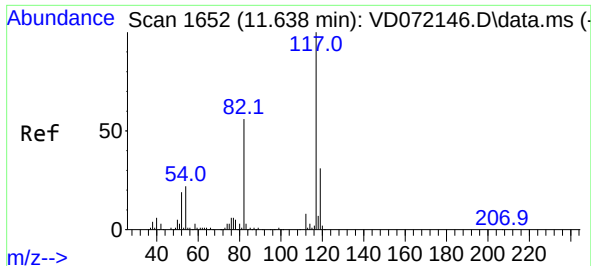
Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 55.492 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion: 95 Resp: 212495
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 75.7 0.0 145.4

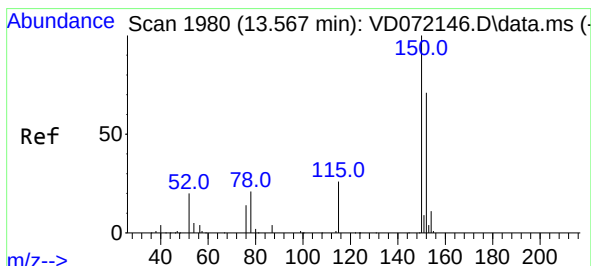
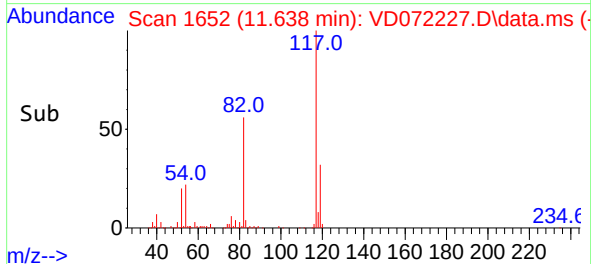
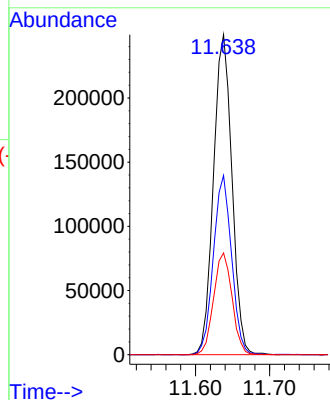
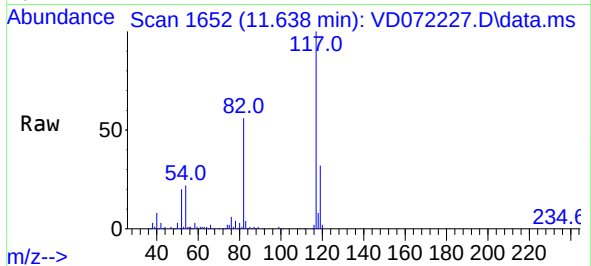




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

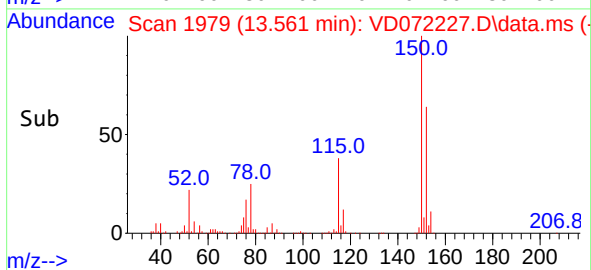
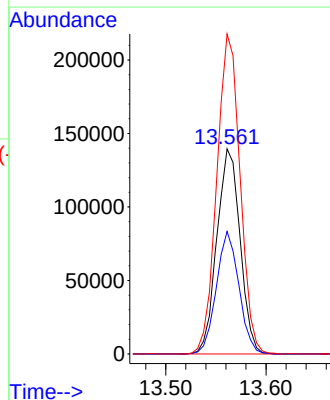
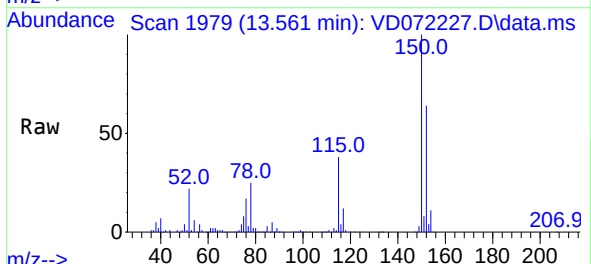
Instrument :
MSVOA_D
ClientSampleId :
HR-04-031022

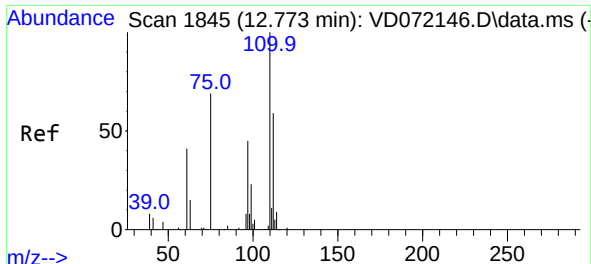
Tgt Ion:117 Resp: 431640
Ion Ratio Lower Upper
117 100
82 56.0 45.3 67.9
119 31.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion:152 Resp: 224481
Ion Ratio Lower Upper
152 100
115 57.9 31.3 93.8
150 156.3 0.0 348.6

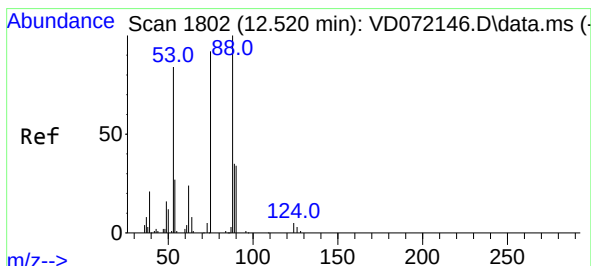
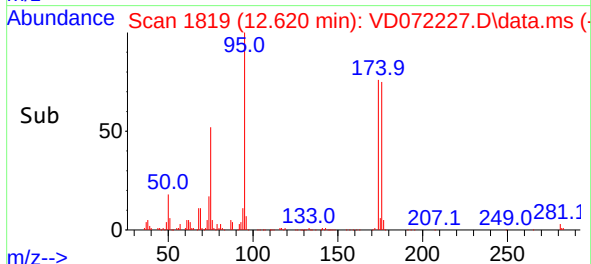
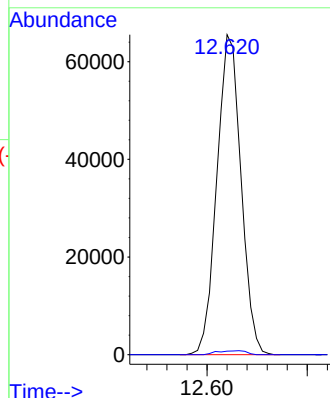
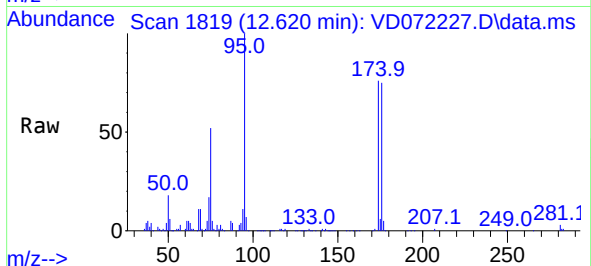




#76
1,2,3-Trichloropropane
Concen: 44.148 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Instrument :
MSVOA_D
ClientSampleId :
HR-04-031022

Tgt Ion: 75 Resp: 109321
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.536 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072227.D
Acq: 16 Mar 2022 19:25

Tgt Ion: 75 Resp: 109321
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#

