

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103122\
 Data File : VD074696.D
 Acq On : 31 Oct 2022 18:55
 Operator : VA/SY
 Sample : N5359-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-102822

Quant Time: Nov 01 01:35:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

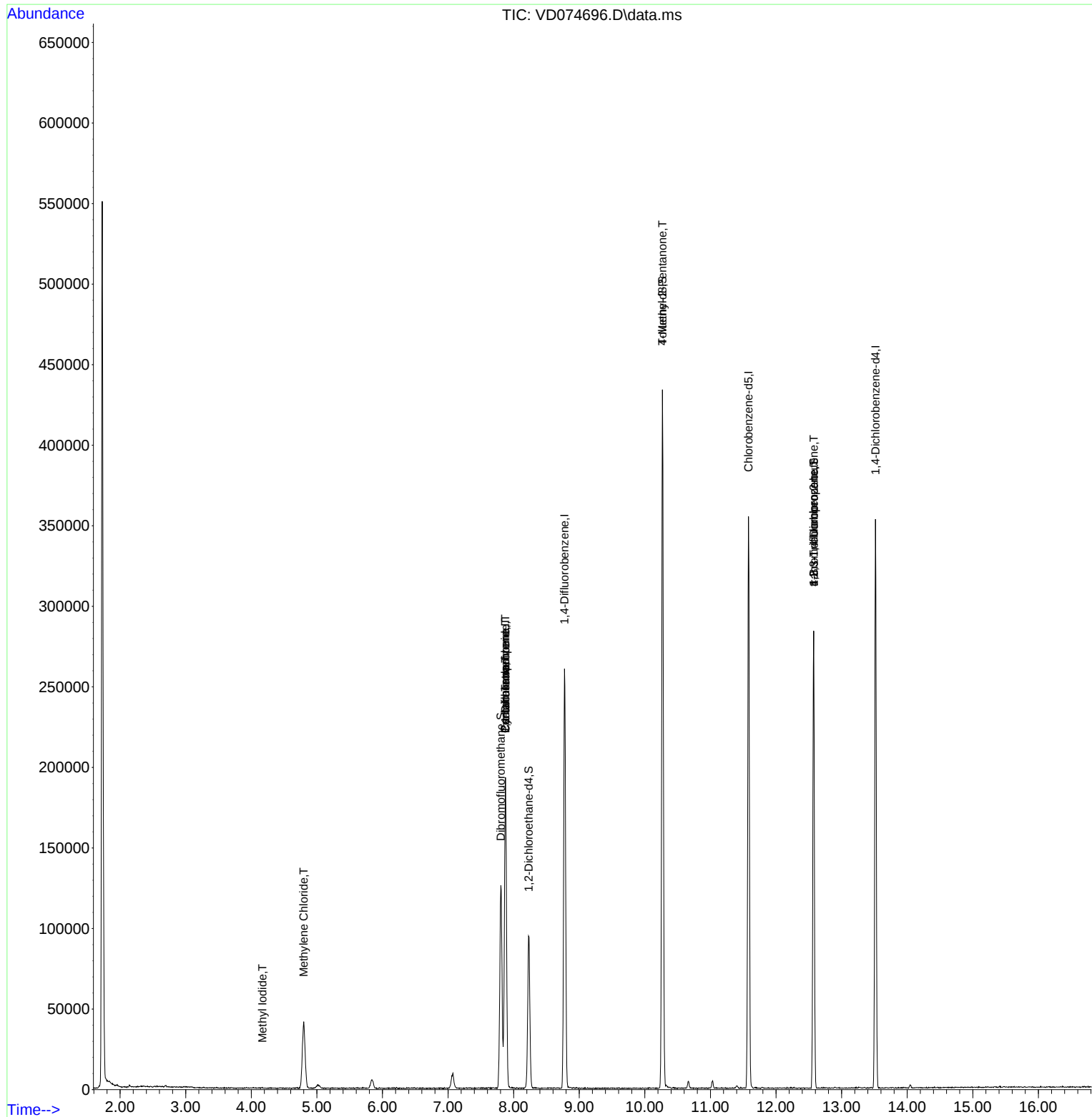
Internal Standards						
1) Pentafluorobenzene	7.875	168	155267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	256150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	222351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	99143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73821	56.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.660%	
35) Dibromofluoromethane	7.804	113	93368	59.694	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.380%	
50) Toluene-d8	10.269	98	310857	51.680	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.575	95	87283	52.836	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	753	Below Cal	#	74
5) Bromomethane	2.699	94	765	Below Cal		88
10) Methyl Iodide	4.169	142	356	5.607	ug/l #	43
11) Tert butyl alcohol	5.016	59	1919	Below Cal	#	84
16) Acetone	4.028	43	637	Below Cal	#	69
20) Methylene Chloride	4.799	84	35254	5.902	ug/l	97
25) 2-Butanone	7.075	43	343	Below Cal	#	42
31) Cyclohexane	7.875	56	2602	1.083	ug/l #	10
36) 1,1-Dichloropropene	7.875	75	11090	4.976	ug/l #	47
38) Carbon Tetrachloride	7.875	117	15067	7.276	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	798	1.204	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	42728	55.104	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	42728	145.837	ug/l #	17

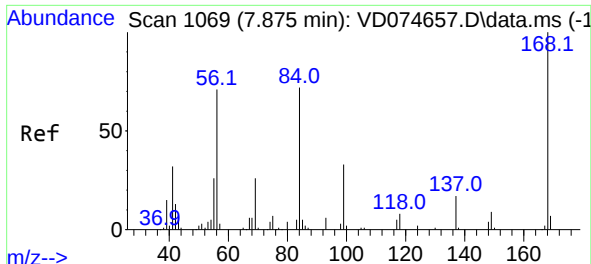
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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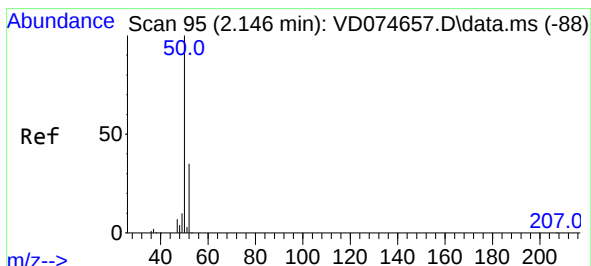
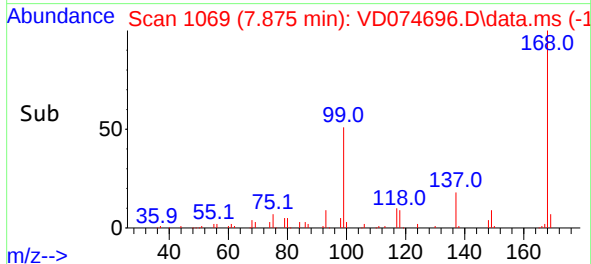
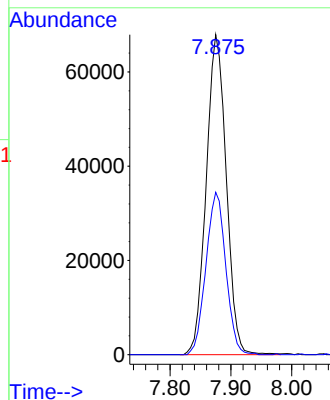
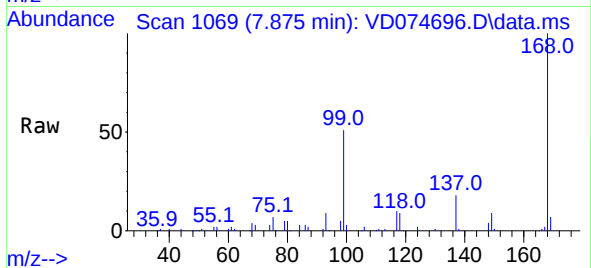




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

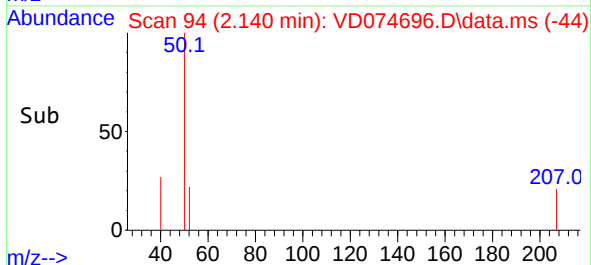
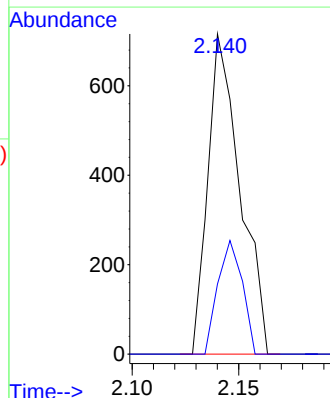
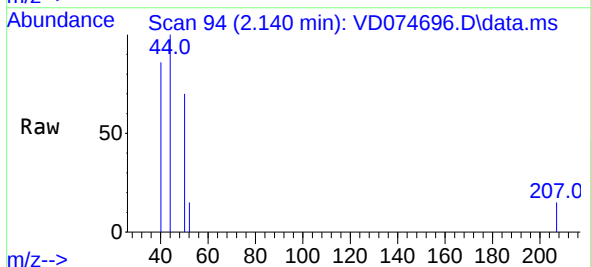
Instrument :
MSVOA_D
ClientSampleId :
HD-01-102822

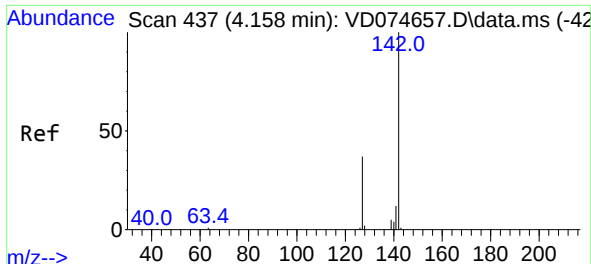
Tgt Ion:168 Resp: 155267
Ion Ratio Lower Upper
168 100
99 50.8 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Tgt Ion: 50 Resp: 753
Ion Ratio Lower Upper
50 100
52 21.9 30.0 45.0#

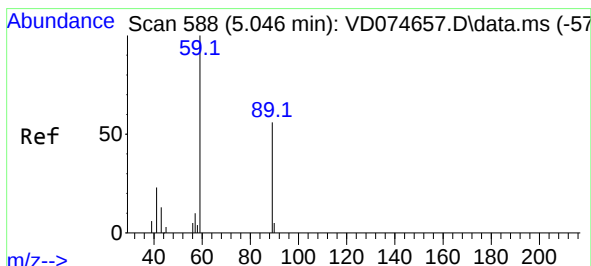
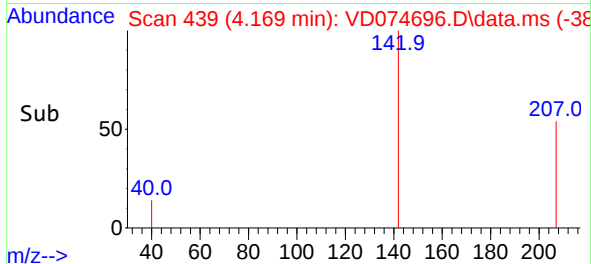
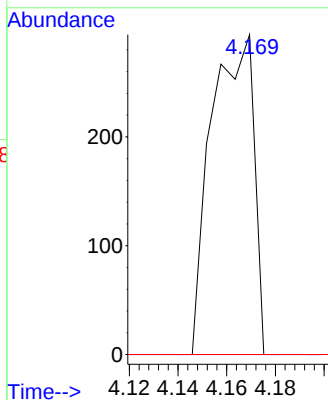
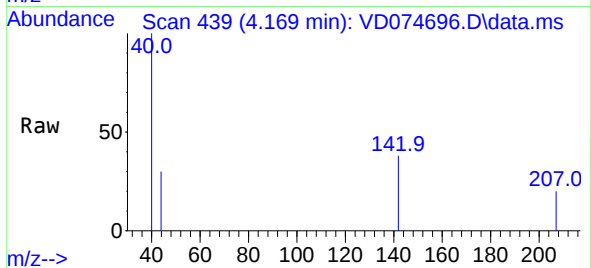




#10
Methyl Iodide
Concen: 5.607 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

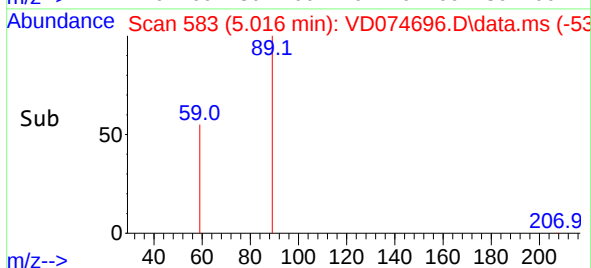
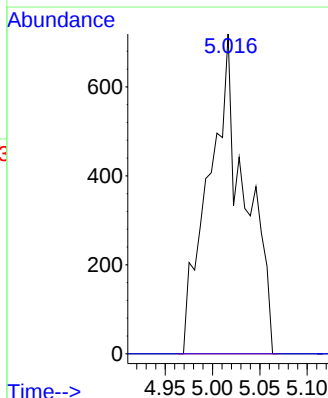
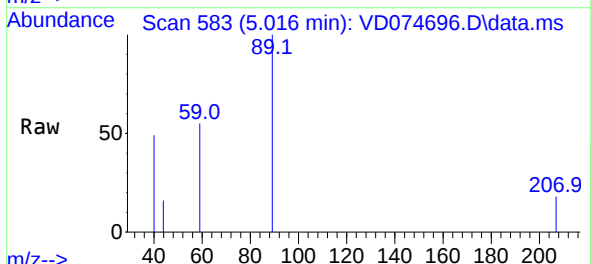
Instrument :
MSVOA_D
ClientSampleId :
HD-01-102822

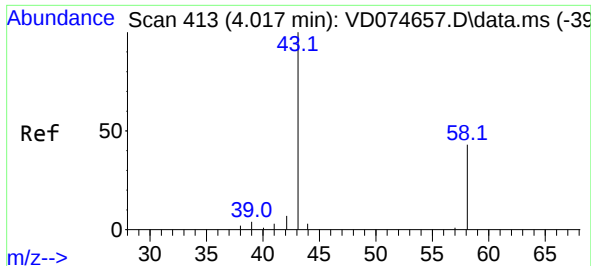
Tgt Ion:142 Resp: 356
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.016 min Scan# 583
Delta R.T. -0.030 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Tgt Ion: 59 Resp: 1919
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#





#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 41

Delta R.T. 0.011 min

Lab File: VD074696.D

Acq: 31 Oct 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

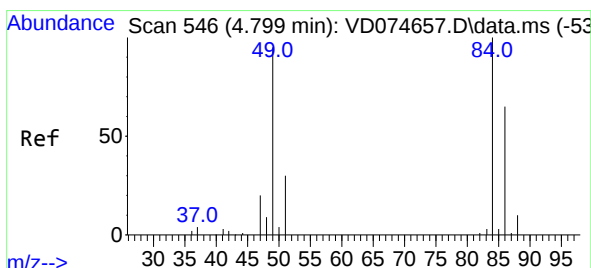
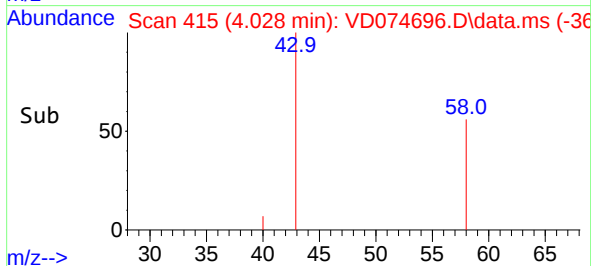
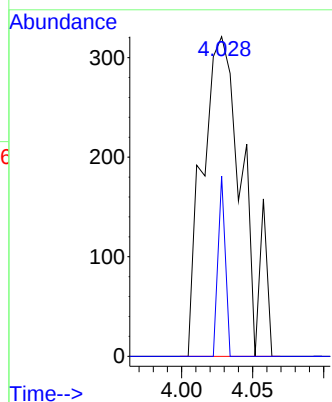
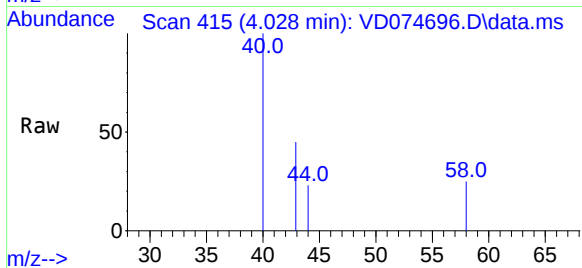
HD-01-102822

Tgt Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

58 56.4 30.2 45.2#



#20

Methylene Chloride

Concen: 5.902 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD074696.D

Acq: 31 Oct 2022 18:55

Tgt Ion: 84 Resp: 35254

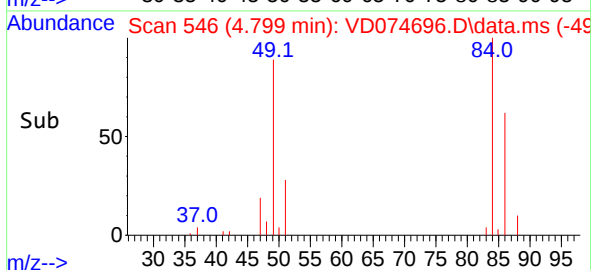
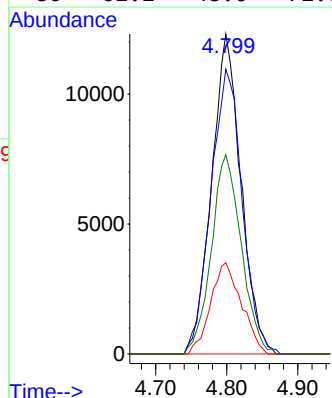
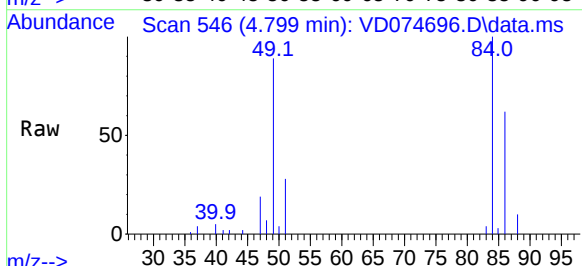
Ion Ratio Lower Upper

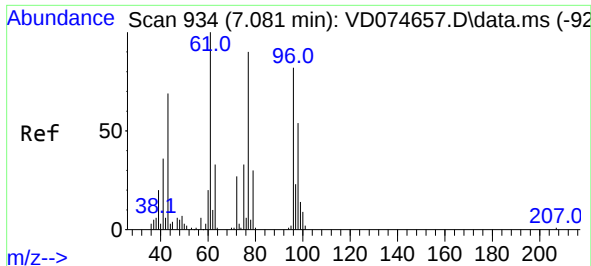
84 100

49 89.0 68.0 102.0

51 28.5 23.2 34.8

86 62.2 48.0 72.0

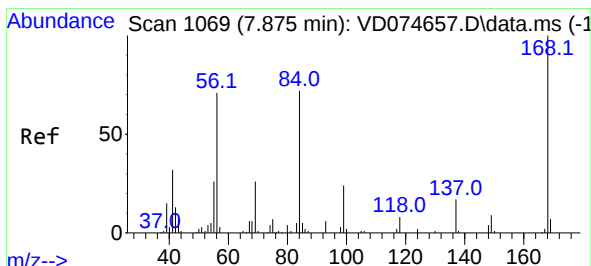
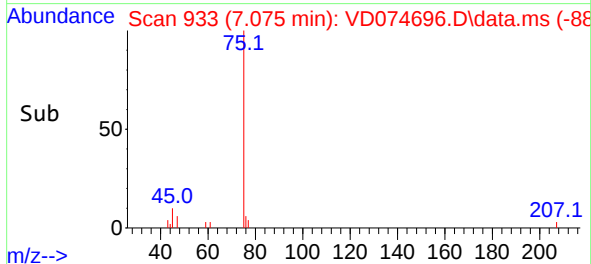
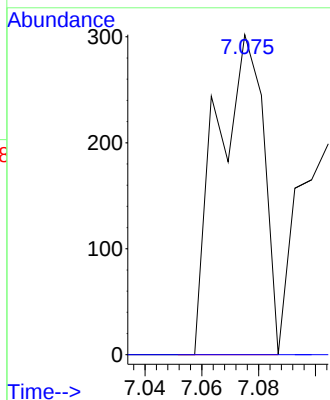
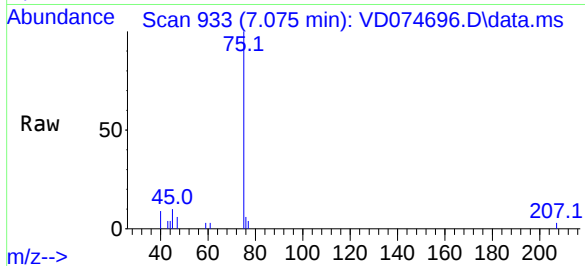




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

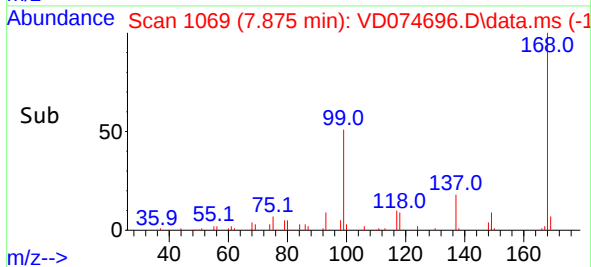
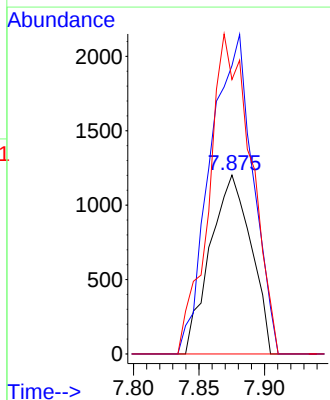
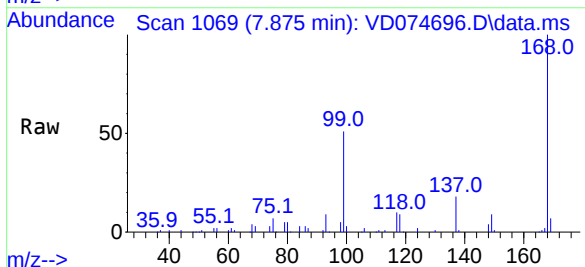
Instrument :
MSVOA_D
ClientSampleId :
HD-01-102822

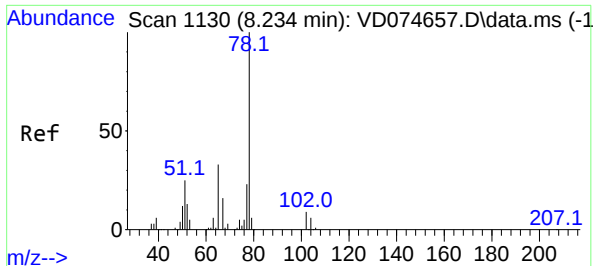
Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Tgt Ion: 56 Resp: 2602
Ion Ratio Lower Upper
56 100
69 161.2 29.2 43.8#
84 153.4 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 56.331 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074696.D

Acq: 31 Oct 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

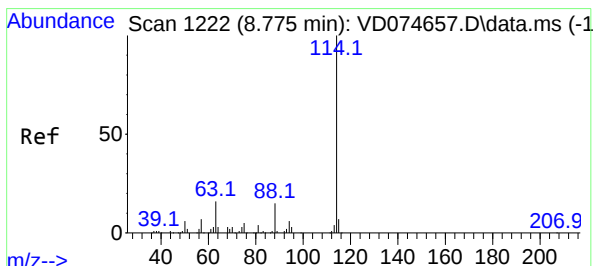
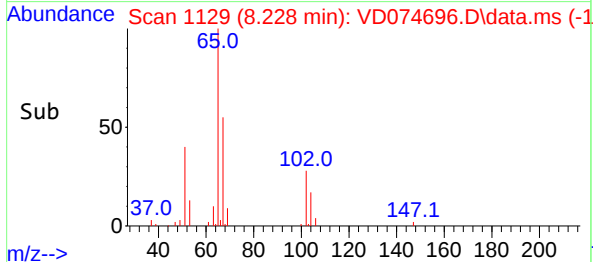
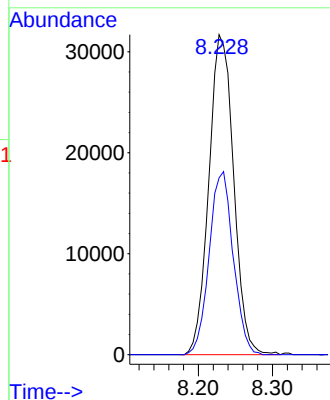
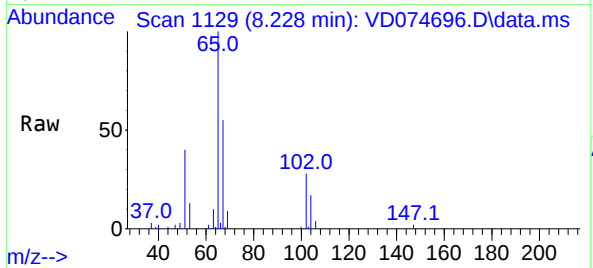
HD-01-102822

Tgt Ion: 65 Resp: 73821

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074696.D

Acq: 31 Oct 2022 18:55

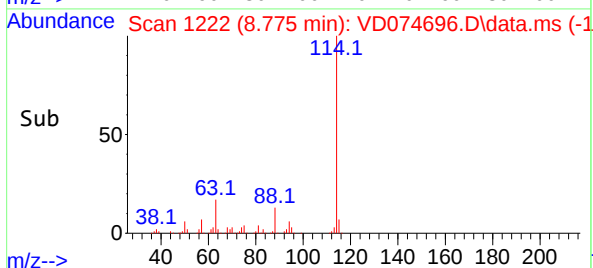
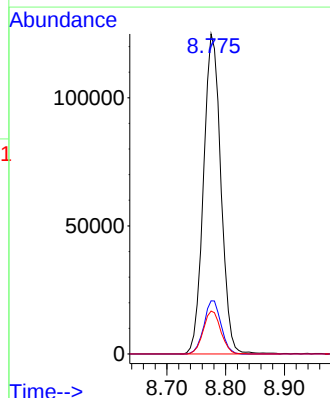
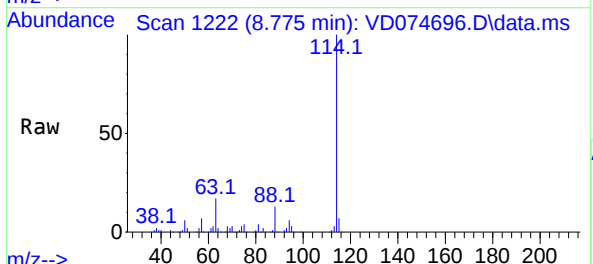
Tgt Ion: 114 Resp: 256150

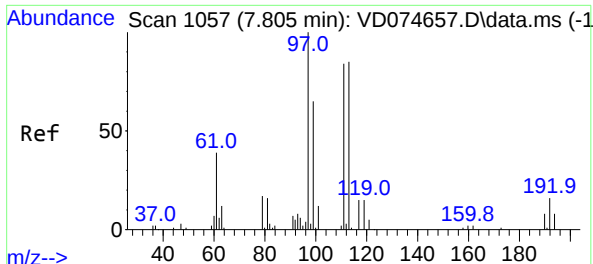
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 13.4 0.0 28.2

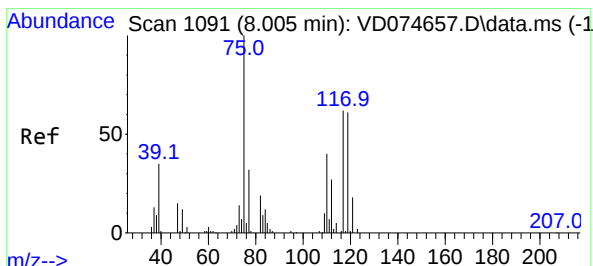
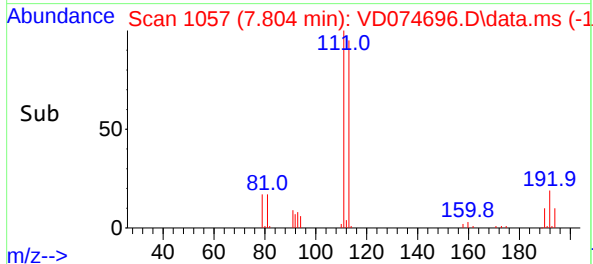
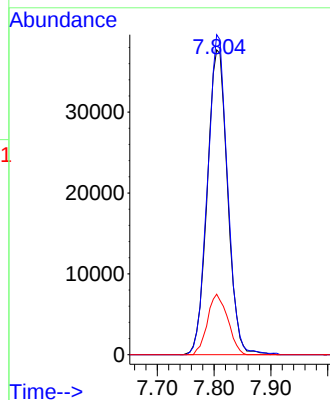
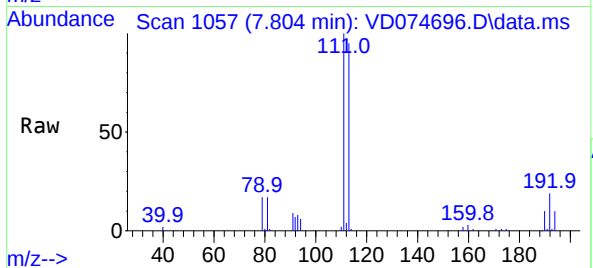




#35
Dibromofluoromethane
Concen: 59.694 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

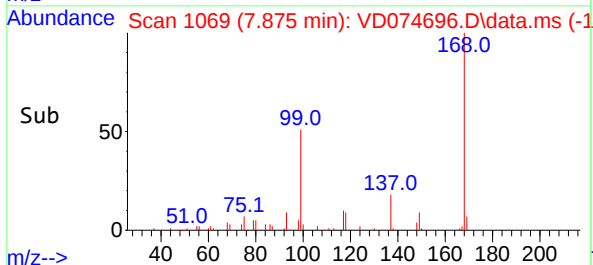
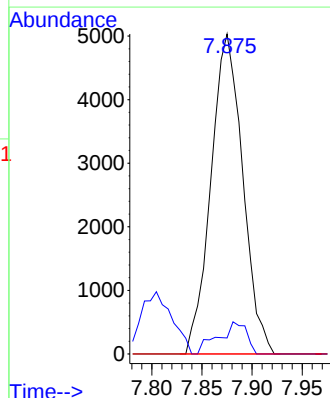
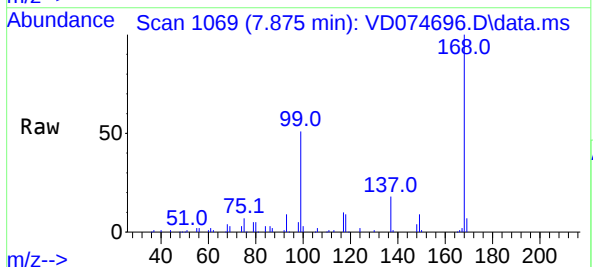
Instrument : MSVOA_D
ClientSampleId : HD-01-102822

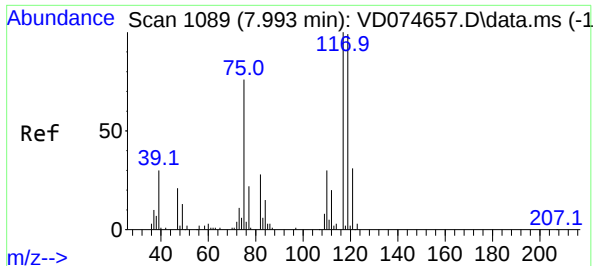
Tgt Ion:	113	Resp:	93368
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	19.8	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

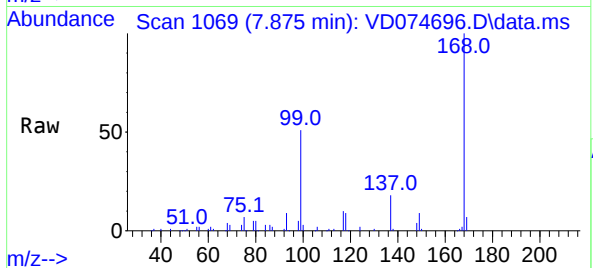
Tgt Ion:	75	Resp:	11090
Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.7	59.0#
77	0.0	25.4	38.2#



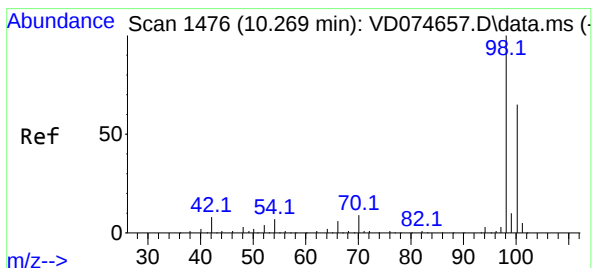
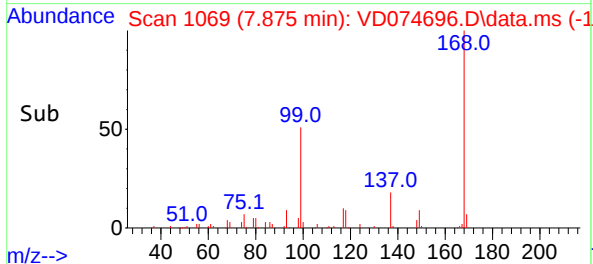
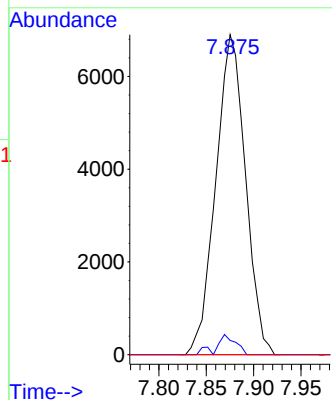


#38
Carbon Tetrachloride
Concen: 7.276 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Instrument :
MSVOA_D
ClientSampleId :
HD-01-102822

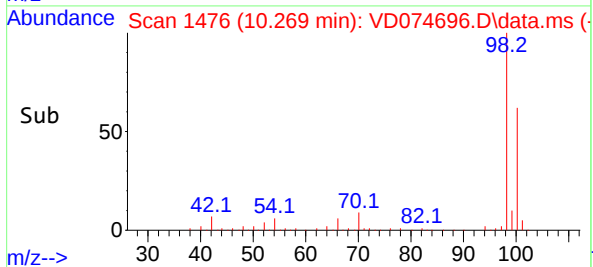
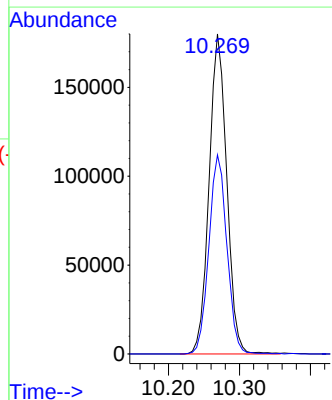
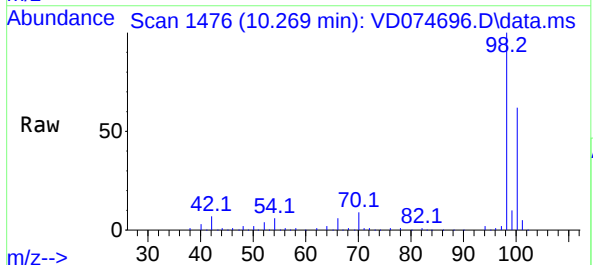


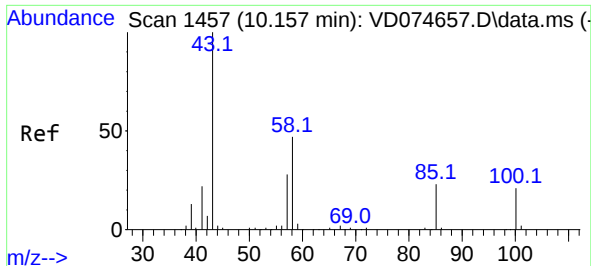
Tgt Ion:117 Resp: 15067
Ion Ratio Lower Upper
117 100
119 4.5 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.680 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Tgt Ion: 98 Resp: 310857
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0

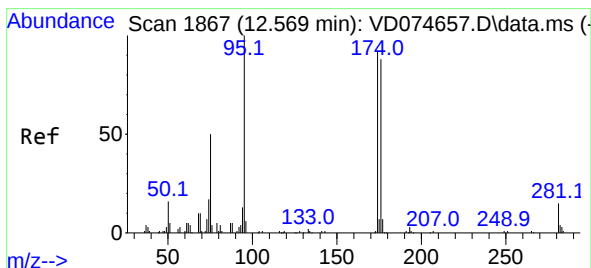
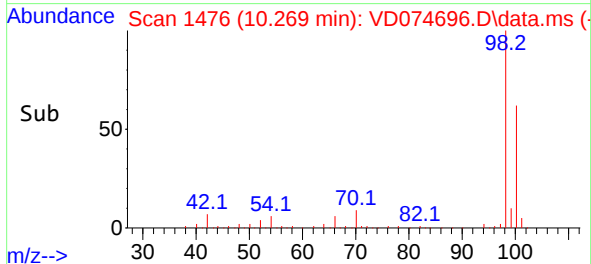
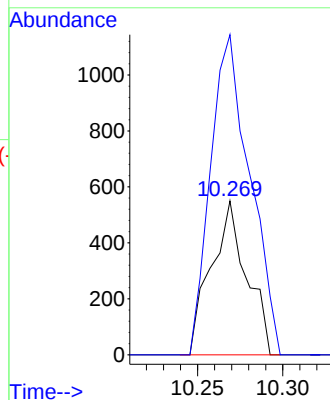
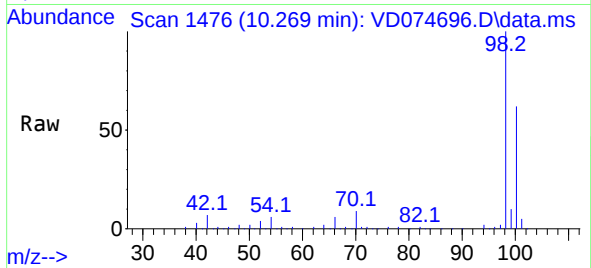




#51
4-Methyl-2-Pentanone
Concen: 1.204 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

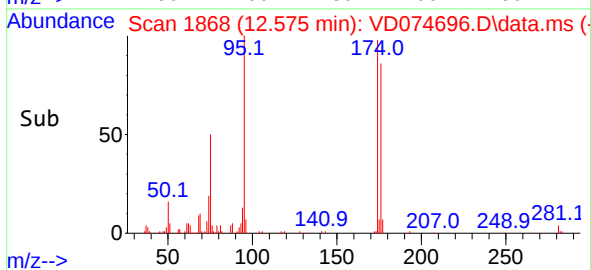
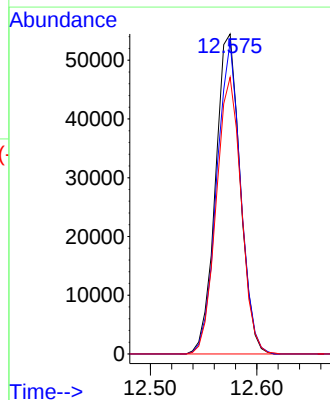
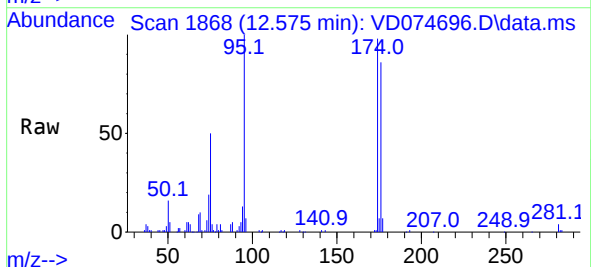
Instrument :
MSVOA_D
ClientSampleId :
HD-01-102822

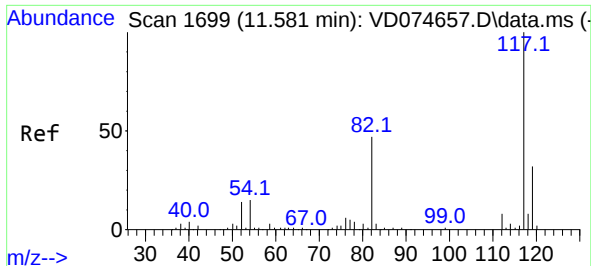
Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 230.8 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 52.836 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Tgt Ion: 95 Resp: 87283
Ion Ratio Lower Upper
95 100
174 94.2 0.0 197.0
176 87.4 0.0 182.6

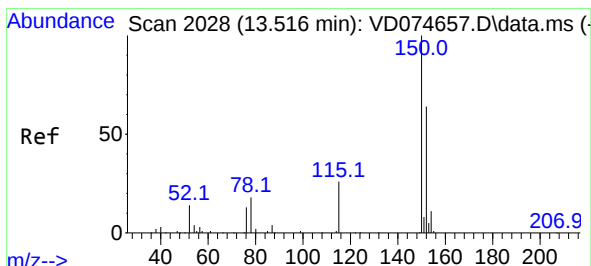
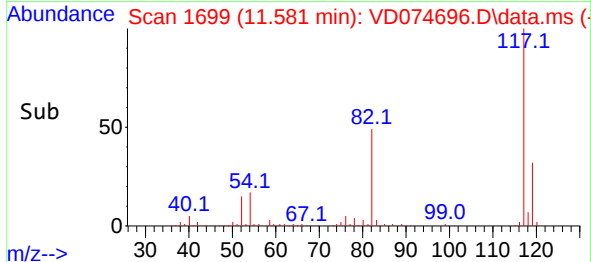
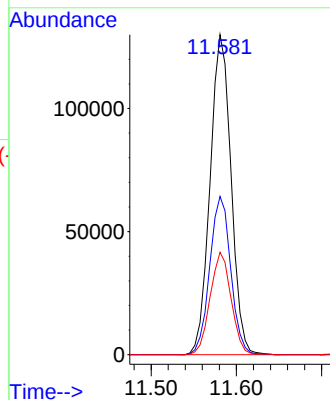
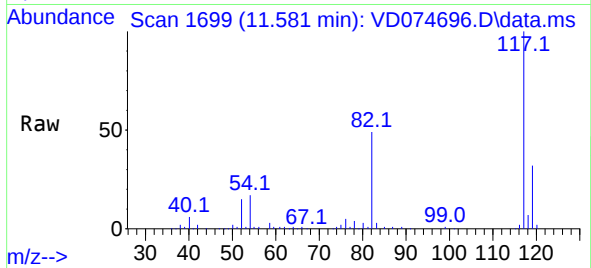




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

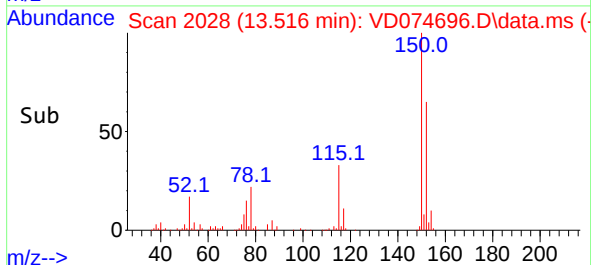
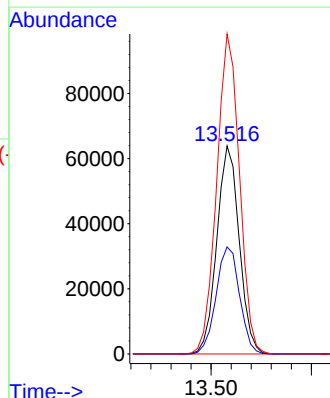
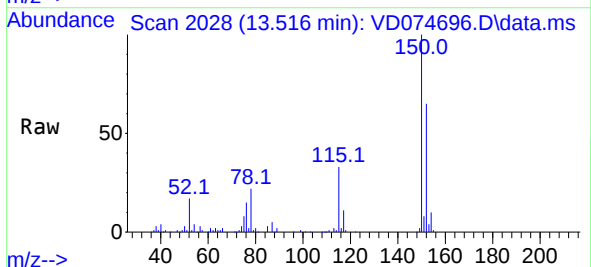
Instrument :
MSVOA_D
ClientSampleId :
HD-01-102822

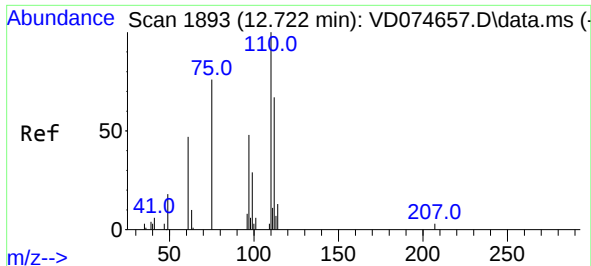
Tgt Ion:117 Resp: 222351
Ion Ratio Lower Upper
117 100
82 49.4 41.6 62.4
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Tgt Ion:152 Resp: 99143
Ion Ratio Lower Upper
152 100
115 53.7 26.8 80.4
150 156.2 0.0 348.2

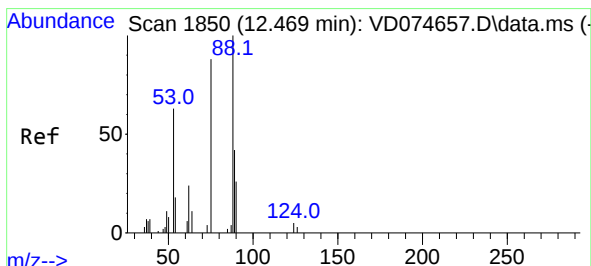
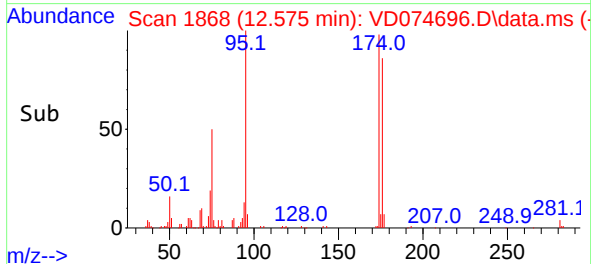
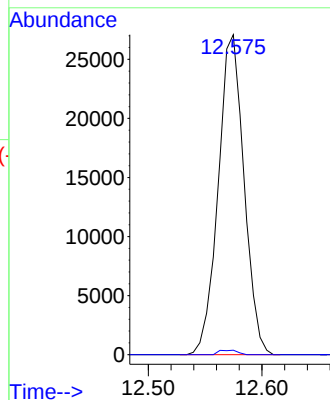
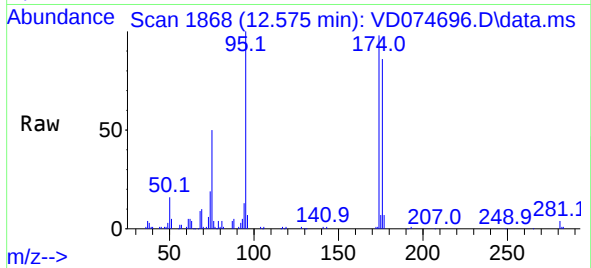




#76
1,2,3-Trichloropropane
Concen: 55.104 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Instrument : MSVOA_D
ClientSampleId : HD-01-102822

Tgt Ion: 75 Resp: 42728
Ion Ratio Lower Upper
75 100
77 1.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.837 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074696.D
Acq: 31 Oct 2022 18:55

Tgt Ion: 75 Resp: 42728
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

