

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074612.D
 Acq On : 21 Oct 2022 13:36
 Operator : VA/SY
 Sample : N5220-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HFI-CON-1020

Quant Time: Oct 21 23:10:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

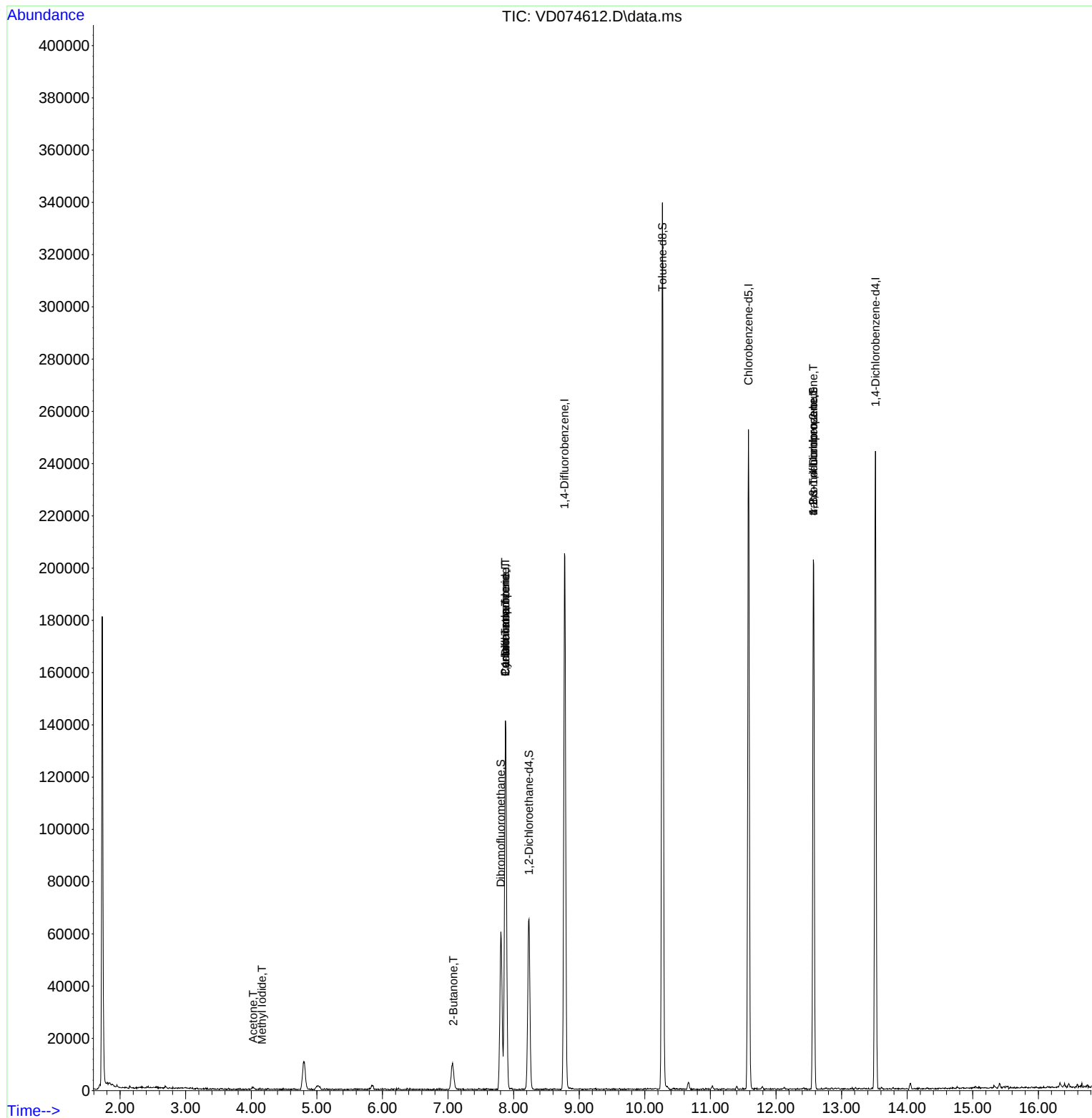
Internal Standards						
1) Pentafluorobenzene	7.875	168	115969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	199803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	161989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	69323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52894	59.740	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.480%	
35) Dibromofluoromethane	7.805	113	43377	38.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 77.880%	
50) Toluene-d8	10.269	98	244647	61.175	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 122.360%	
62) 4-Bromofluorobenzene	12.569	95	63132	55.071	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.140%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	55	3.971	ug/l #	43
11) Tert butyl alcohol	5.017	59	1357	Below Cal	#	84
16) Acetone	4.028	43	1079	5.581	ug/l #	37
20) Methylene Chloride	4.811	84	9929	Below Cal		95
25) 2-Butanone	7.081	43	413	1.597	ug/l #	42
31) Cyclohexane	7.875	56	2163	1.216	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	7834	4.365	ug/l #	48
38) Carbon Tetrachloride	7.875	117	11271	6.413	ug/l #	18
76) 1,2,3-Trichloropropane	12.569	75	32144	53.104	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	32144	135.706	ug/l #	17

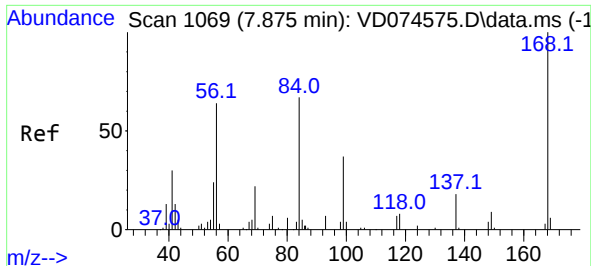
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

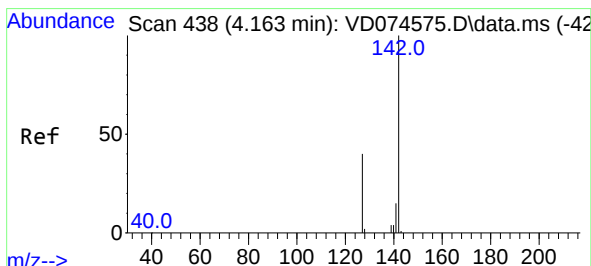
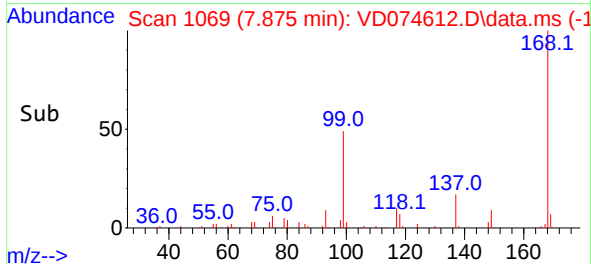
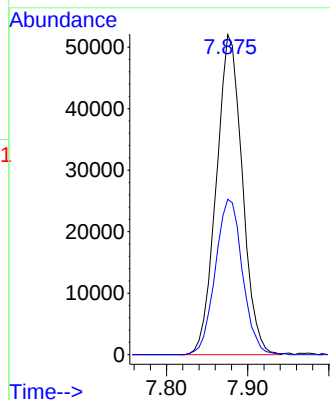
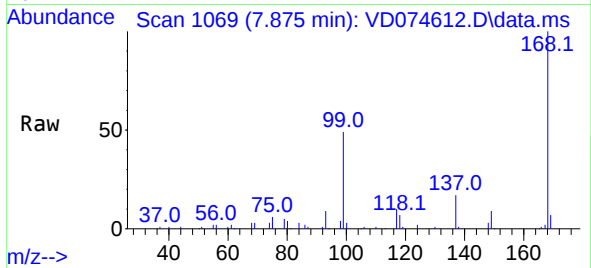




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

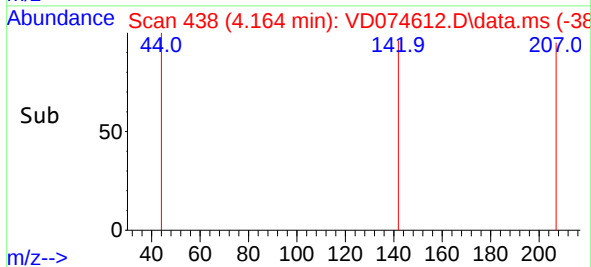
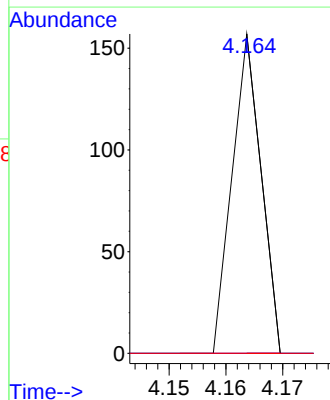
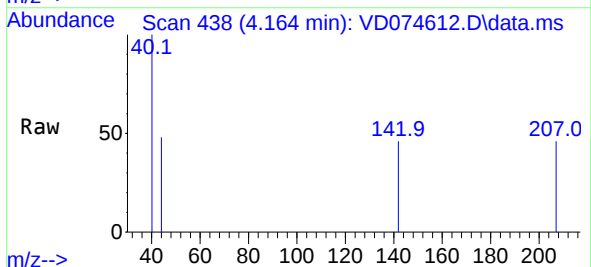
Instrument :
MSVOA_D
ClientSampleId :
HFI-CON-1020

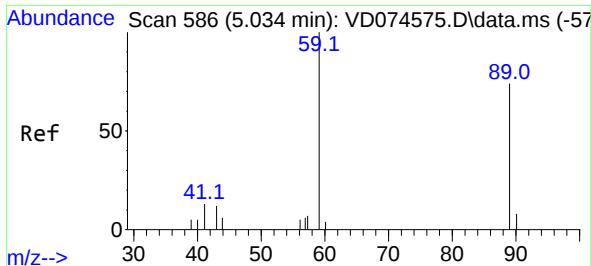
Tgt Ion:168 Resp: 115969
Ion Ratio Lower Upper
168 100
99 48.5 40.9 61.3



#10
Methyl Iodide
Concen: 3.971 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

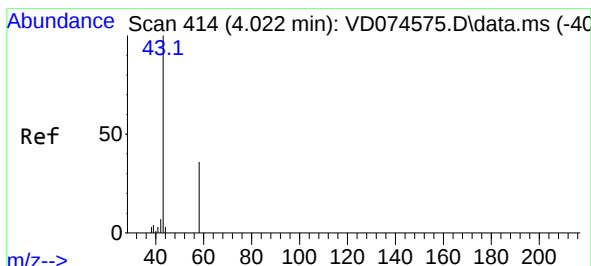
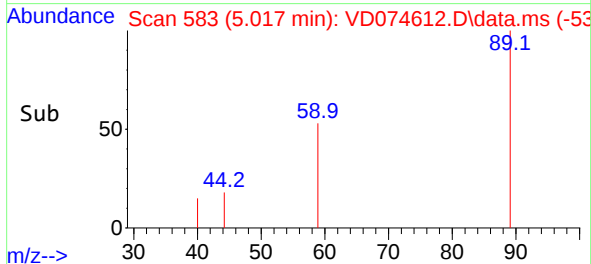
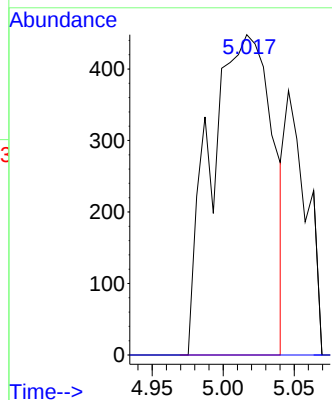
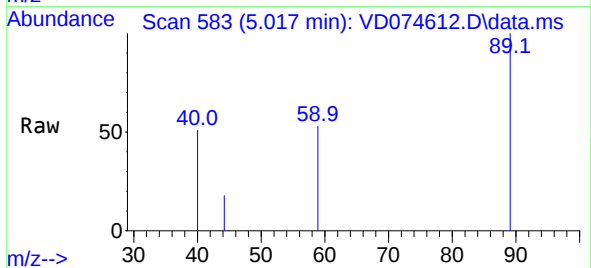




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.017 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

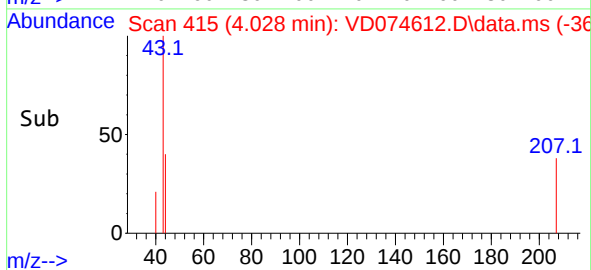
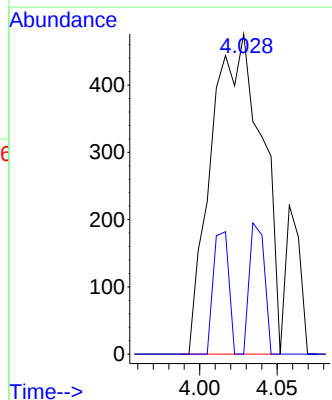
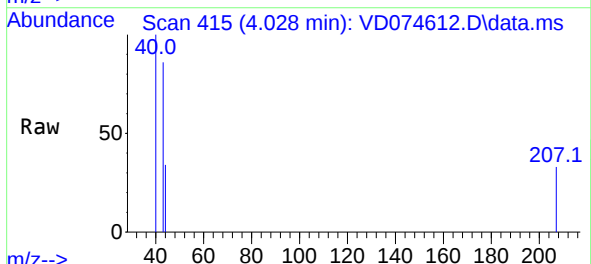
Instrument :
MSVOA_D
ClientSampleId :
HFI-CON-1020

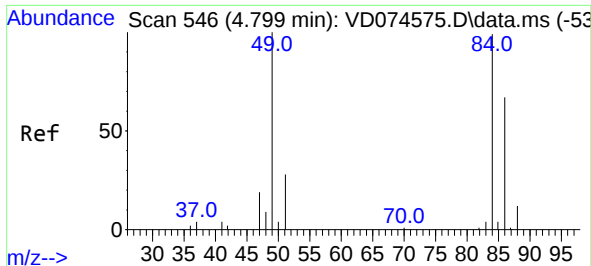
Tgt Ion: 59 Resp: 1357
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 5.581 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



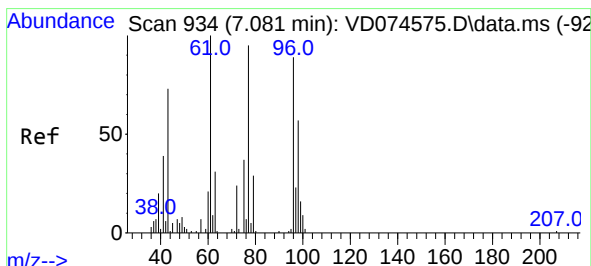
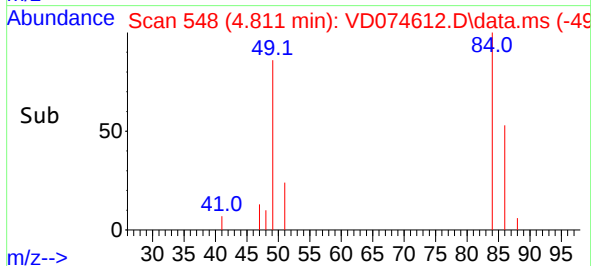
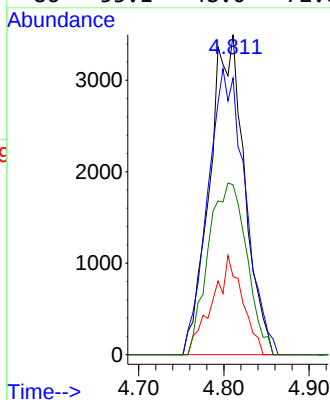
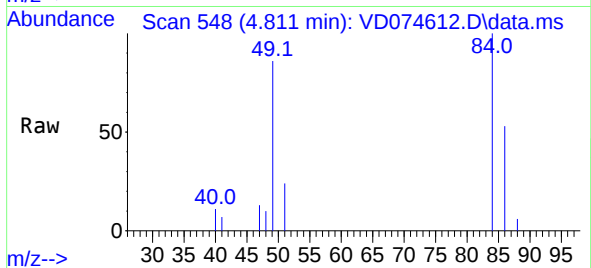


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 546
Delta R.T. 0.012 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Instrument :
MSVOA_D
ClientSampleId :
HFI-CON-1020

Tgt Ion: 84 Resp: 9929

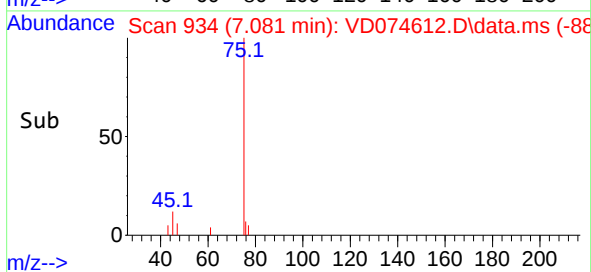
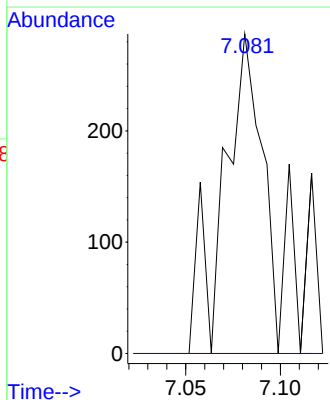
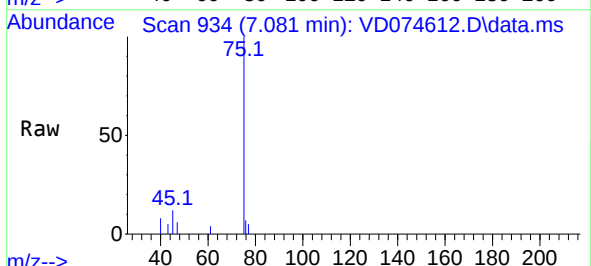
Ion	Ratio	Lower	Upper
84	100		
49	86.5	68.0	102.0
51	24.4	23.2	34.8
86	53.1	48.0	72.0

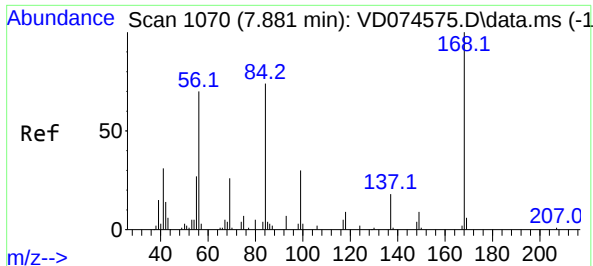


#25
2-Butanone
Concen: 1.597 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Tgt Ion: 43 Resp: 413

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#





#31

Cyclohexane

Concen: 1.216 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074612.D

Acq: 21 Oct 2022 13:36

Instrument :

MSVOA_D

ClientSampleId :

HFI-CON-1020

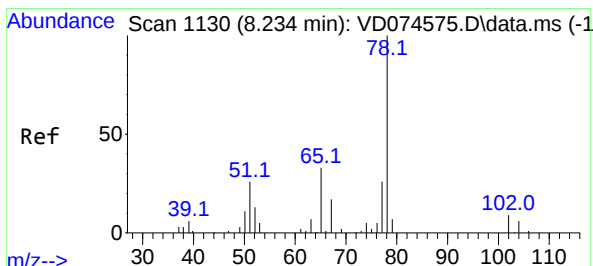
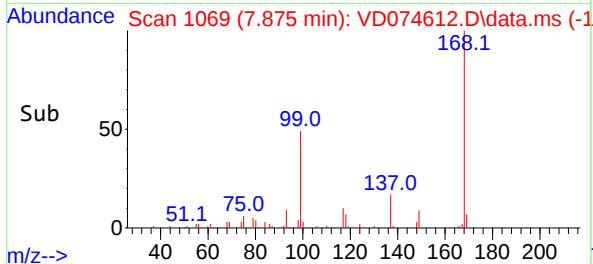
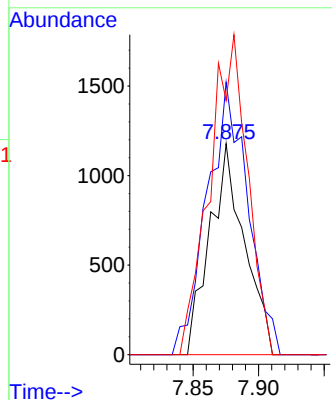
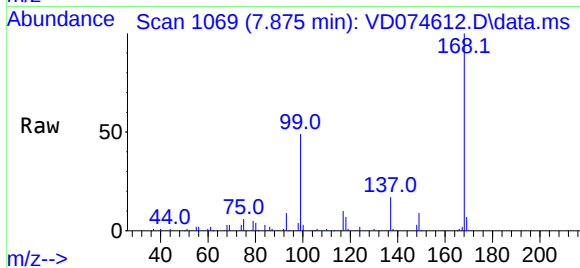
Tgt Ion: 56 Resp: 2163

Ion Ratio Lower Upper

56 100

69 129.2 29.2 43.8#

84 120.5 83.4 125.2



#33

1,2-Dichloroethane-d4

Concen: 59.740 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074612.D

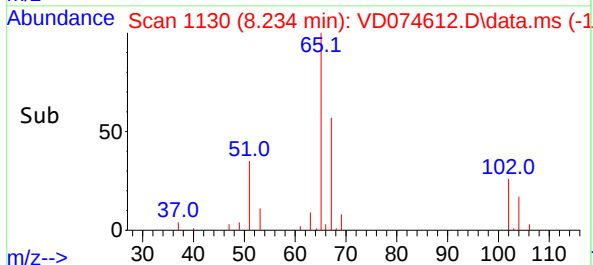
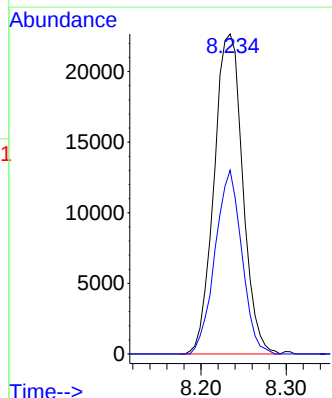
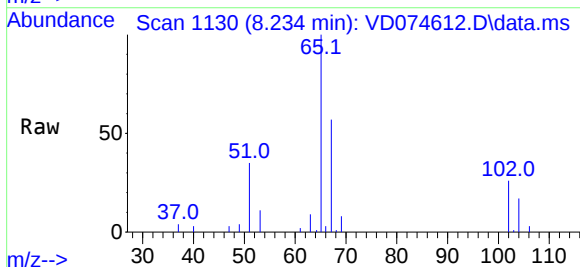
Acq: 21 Oct 2022 13:36

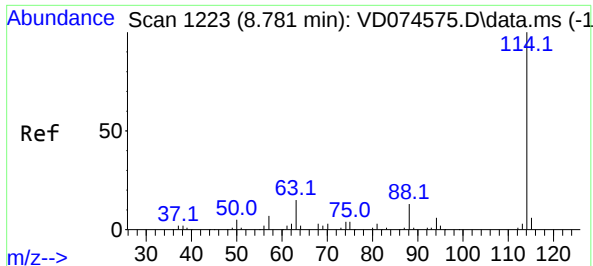
Tgt Ion: 65 Resp: 52894

Ion Ratio Lower Upper

65 100

67 53.6 0.0 110.2

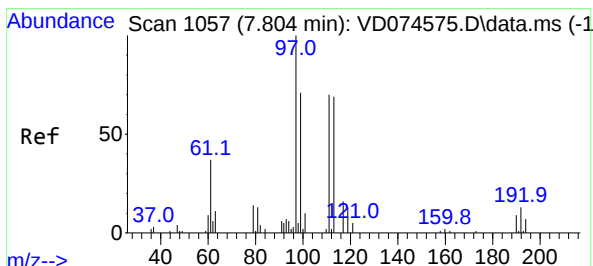
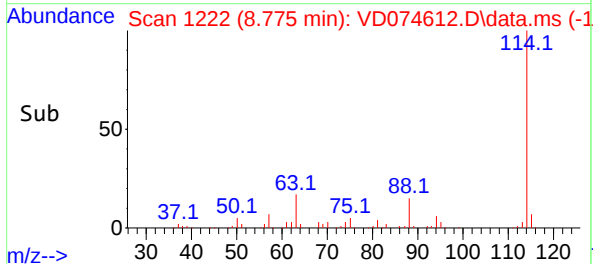
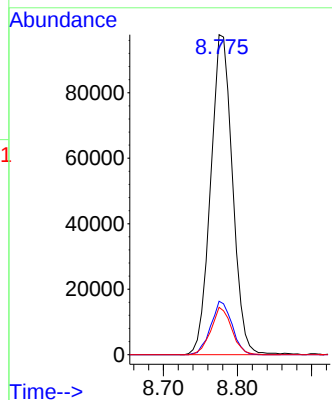
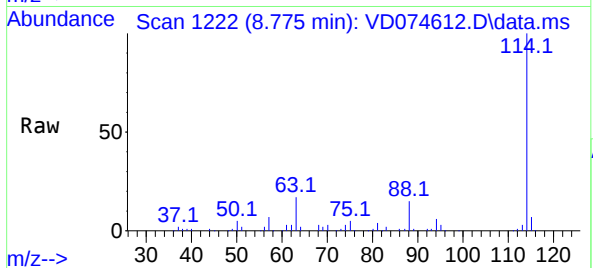




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

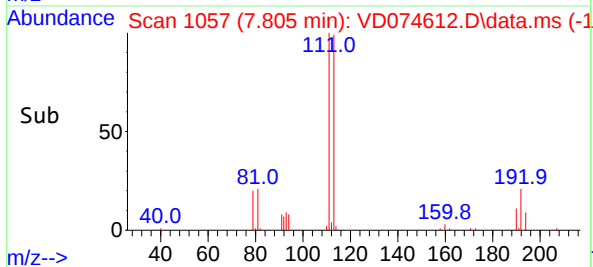
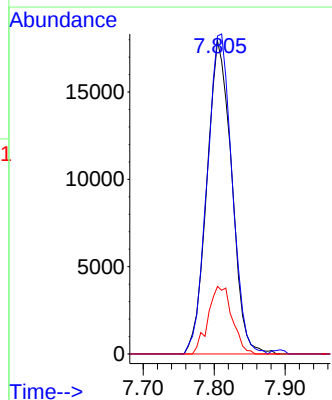
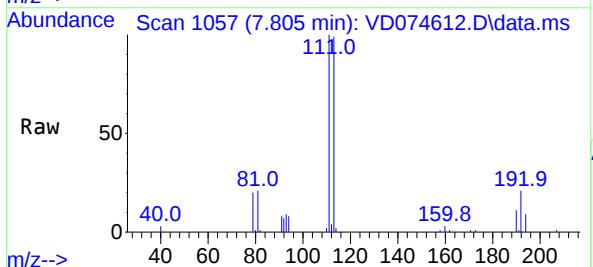
Instrument :
MSVOA_D
ClientSampleId :
HFI-CON-1020

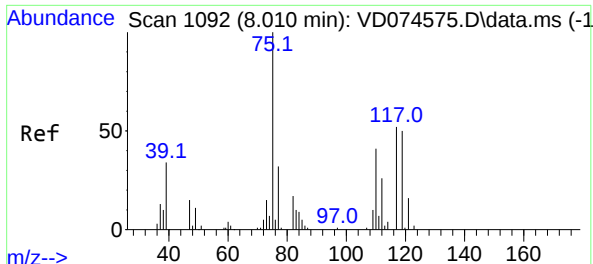
Tgt Ion:114 Resp: 199803
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.2
88 14.8 0.0 28.2



#35
Dibromofluoromethane
Concen: 38.941 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Tgt Ion:113 Resp: 43377
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 20.9 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.365 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074612.D

Acq: 21 Oct 2022 13:36

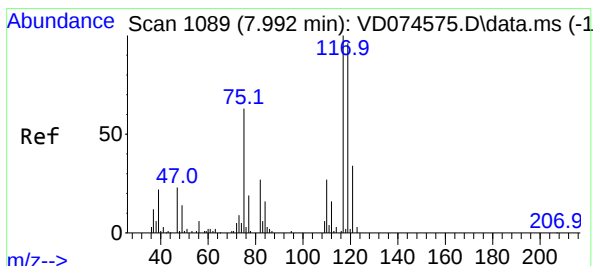
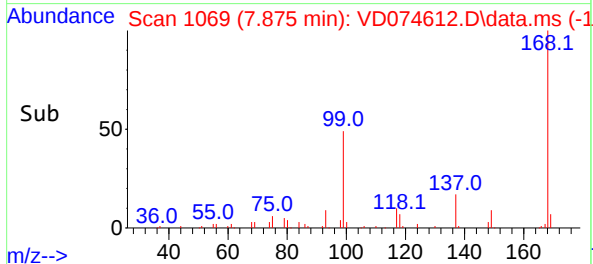
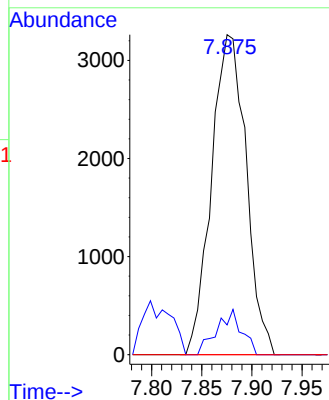
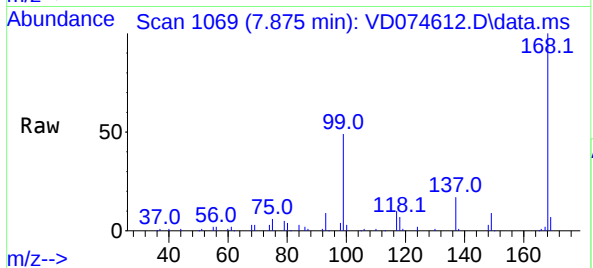
Instrument :

MSVOA_D

ClientSampleId :

HFI-CON-1020

Tgt Ion:	75	Resp:	7834
Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 6.413 ug/l

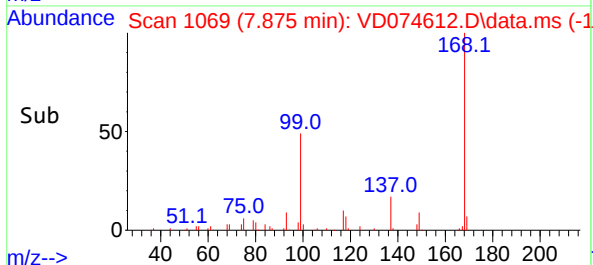
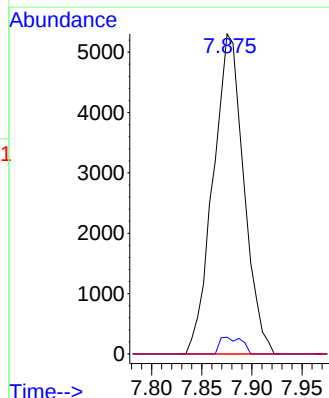
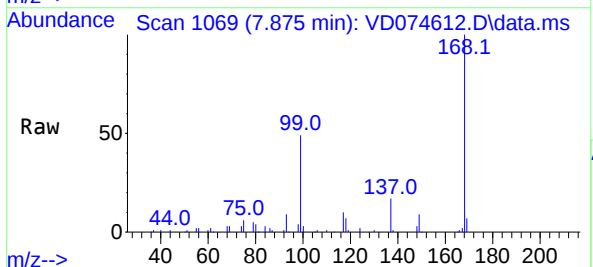
RT: 7.875 min Scan# 1069

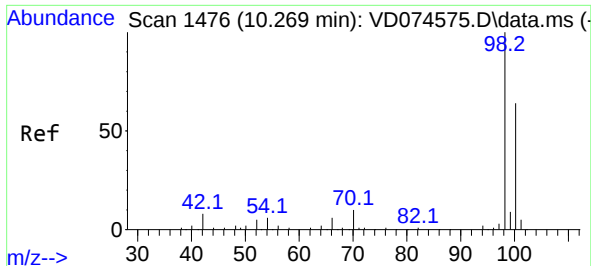
Delta R.T. -0.112 min

Lab File: VD074612.D

Acq: 21 Oct 2022 13:36

Tgt Ion:	117	Resp:	11271
Ion	Ratio	Lower	Upper
117	100		
119	5.3	73.1	109.7#
121	0.0	25.0	37.6#

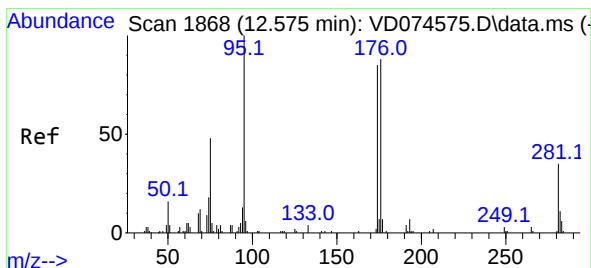
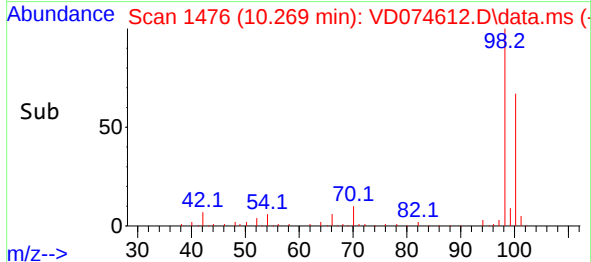
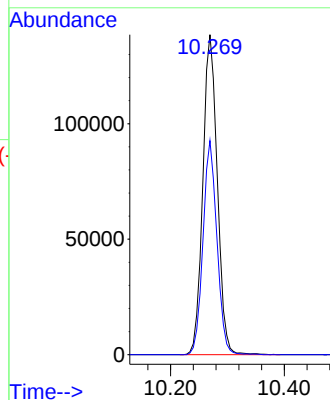
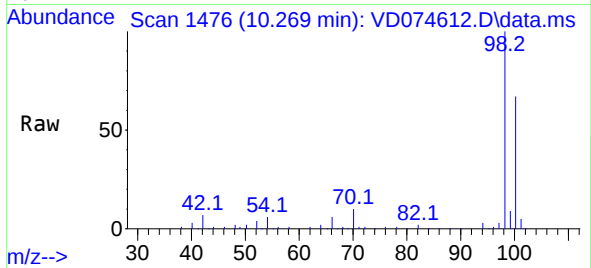




#50
Toluene-d8
Concen: 61.175 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

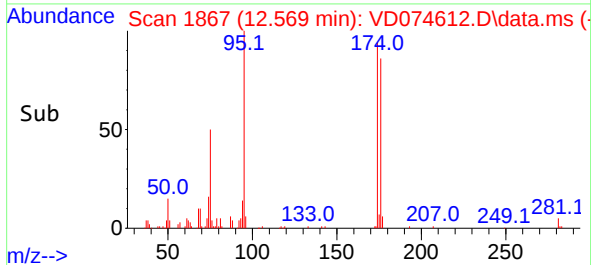
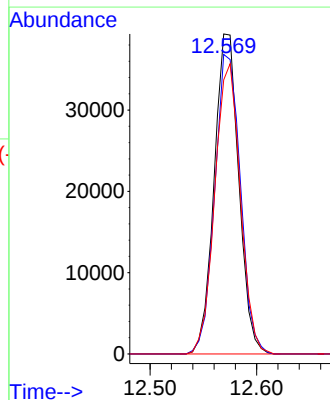
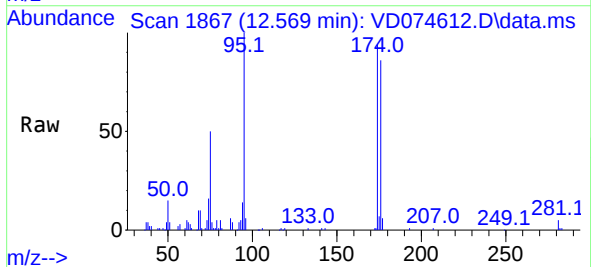
Instrument :
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HFI-CON-1020

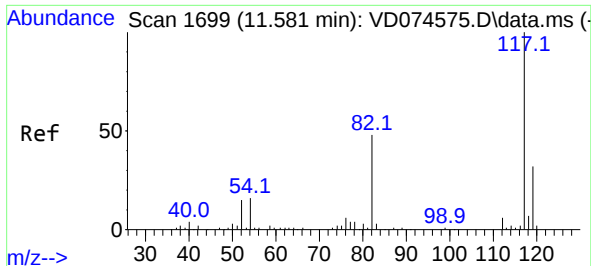
Tgt Ion: 98 Resp: 244647
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 55.071 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Tgt Ion: 95 Resp: 63132
Ion Ratio Lower Upper
95 100
174 97.4 0.0 197.0
176 94.0 0.0 182.6

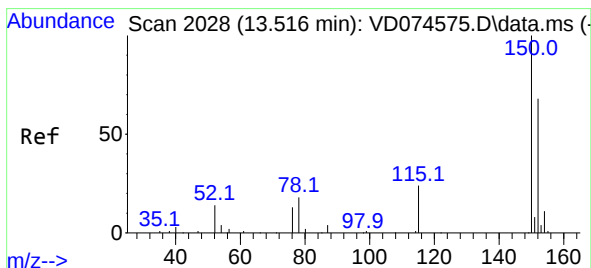
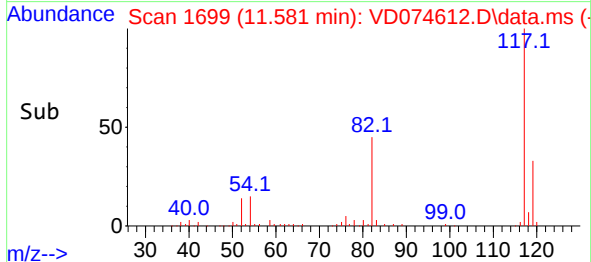
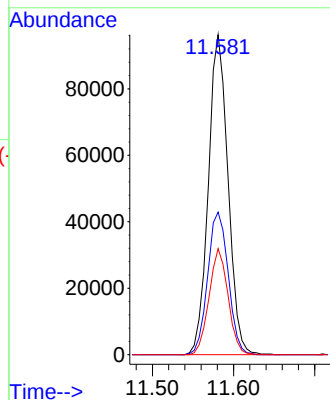
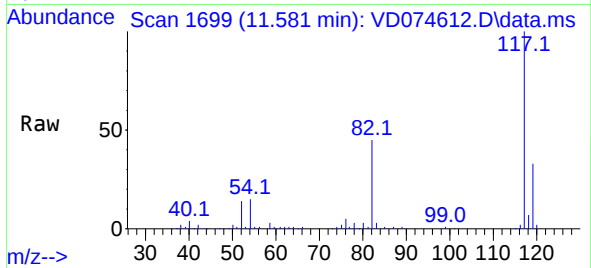




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

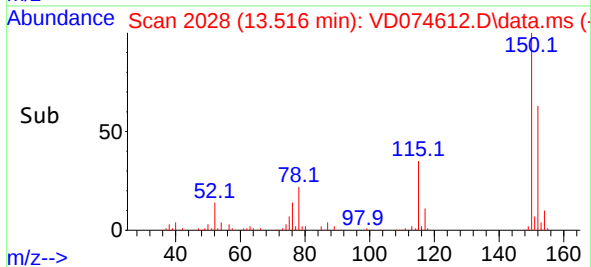
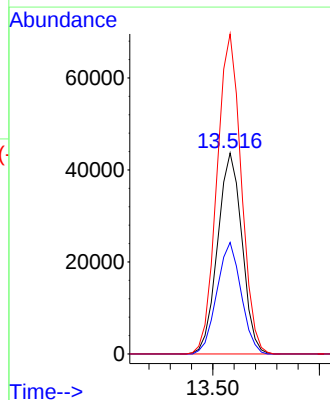
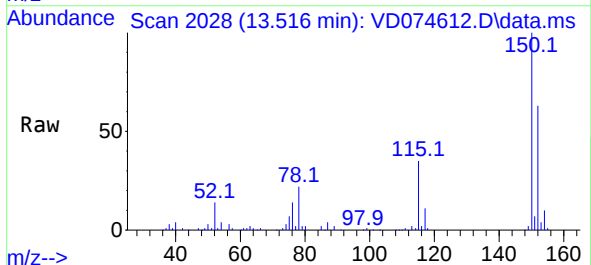
Instrument :
MSVOA_D
ClientSampleId :
HFI-CON-1020

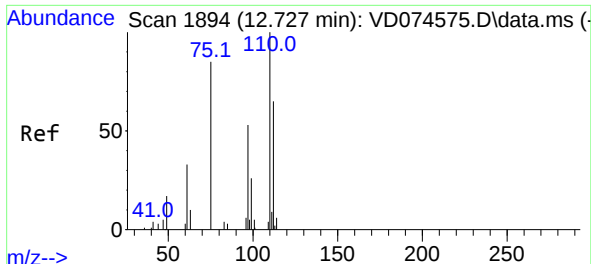
Tgt Ion:117 Resp: 161989
Ion Ratio Lower Upper
117 100
82 44.6 41.6 62.4
119 33.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Tgt Ion:152 Resp: 69323
Ion Ratio Lower Upper
152 100
115 55.3 26.8 80.4
150 158.8 0.0 348.2

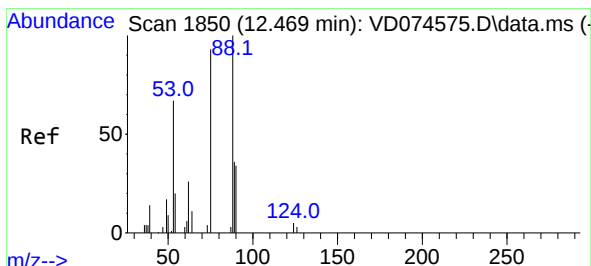
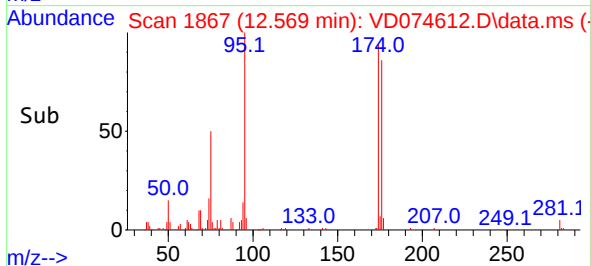
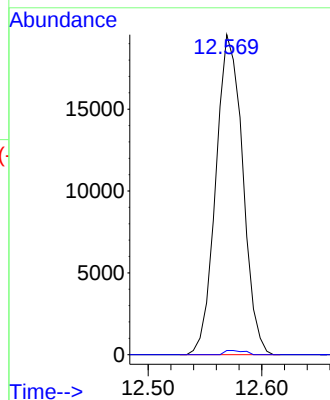
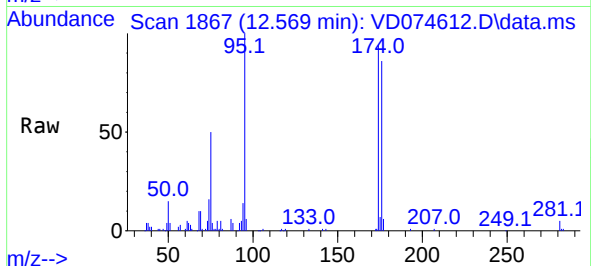




#76
1,2,3-Trichloropropane
Concen: 53.104 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Instrument :
MSVOA_D
ClientSampleId :
HFI-CON-1020

Tgt Ion: 75 Resp: 32144
Ion Ratio Lower Upper
75 100
77 1.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.706 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074612.D
Acq: 21 Oct 2022 13:36

Tgt Ion: 75 Resp: 32144
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

