

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101722\
 Data File : VD074543.D
 Acq On : 17 Oct 2022 14:31
 Operator : VA/SY
 Sample : N5160-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-1-101422

Quant Time: Oct 17 23:08:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

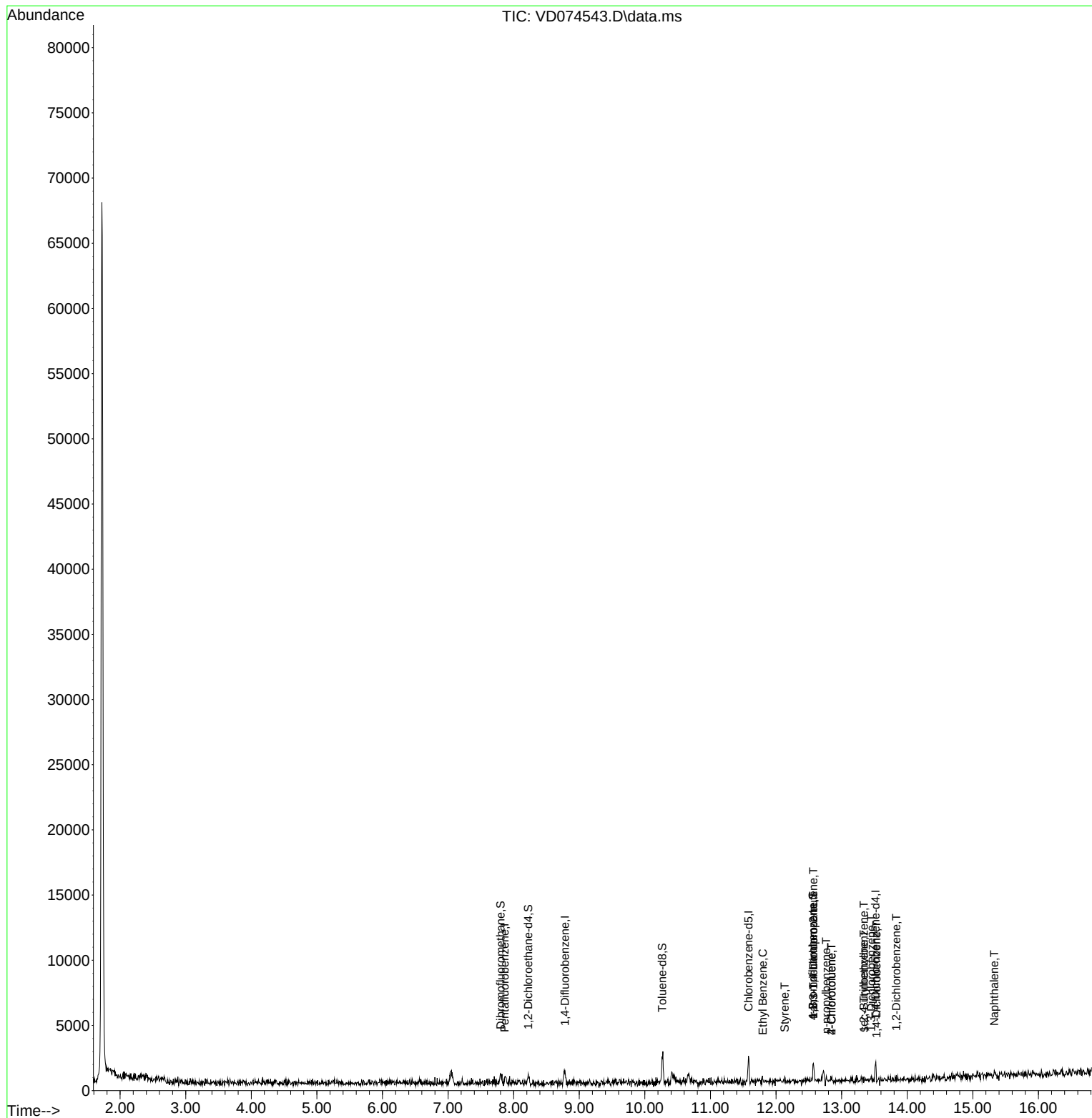
Internal Standards						
1) Pentafluorobenzene	7.863	168	664	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.781	114	1550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	1384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	726	127.025	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 254.040%#	
35) Dibromofluoromethane	7.798	113	656	71.442	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.880%	
50) Toluene-d8	10.263	98	2017	56.607	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.220%	
62) 4-Bromofluorobenzene	12.563	95	694	65.360	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 130.720%	
Target Compounds						Qvalue
67) Ethyl Benzene	11.798	91	109	2.070	ug/l #	41
70) Styrene	12.133	104	69	2.090	ug/l #	27
76) 1,2,3-Trichloropropane	12.569	75	134	27.127	ug/l #	1
78) n-propylbenzene	12.763	91	60	1.067	ug/l #	52
79) 2-Chlorotoluene	12.845	91	115	3.809	ug/l #	38
81) trans-1,4-Dichloro-2-b...	12.569	75	134	68.812	ug/l #	17
82) 4-Chlorotoluene	12.845	91	115	3.795	ug/l #	37
84) 1,2,4-Trimethylbenzene	13.339	105	59	1.576	ug/l #	31
85) sec-Butylbenzene	13.339	105	59	1.170	ug/l #	56
87) 1,3-Dichlorobenzene	13.451	146	53	2.459	ug/l #	26
88) 1,4-Dichlorobenzene	13.533	146	63	2.946	ug/l #	25
91) 1,2-Dichlorobenzene	13.833	146	69	3.753	ug/l #	25
95) Naphthalene	15.327	128	357	15.593	ug/l #	69

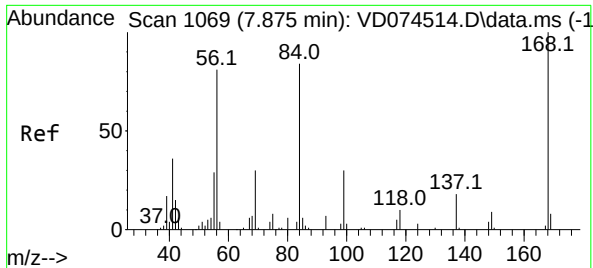
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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HD-1-101422

Quant Time: Oct 17 23:08:58 2022
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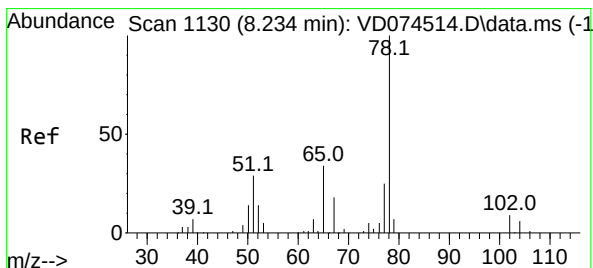
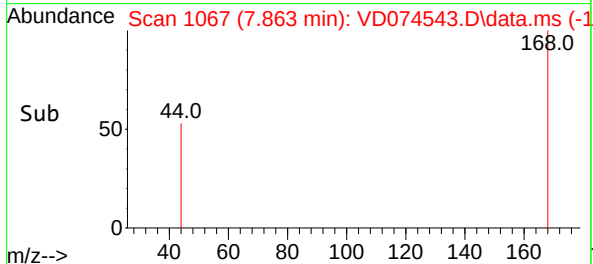
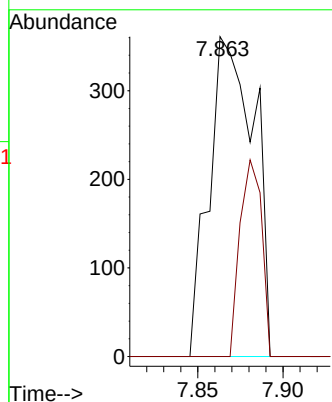
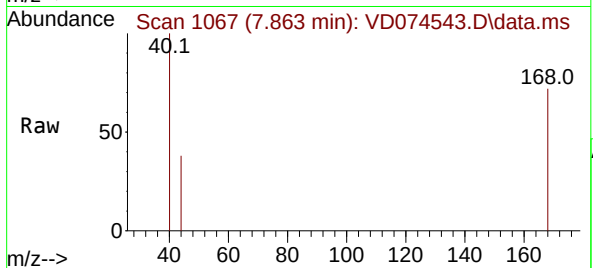




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 1107
Delta R.T. -0.012 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

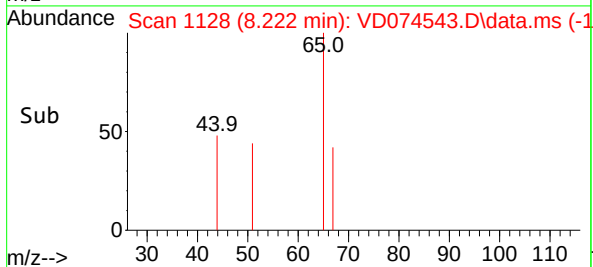
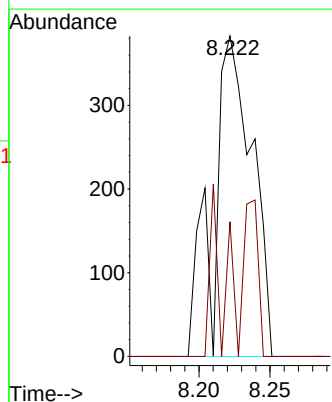
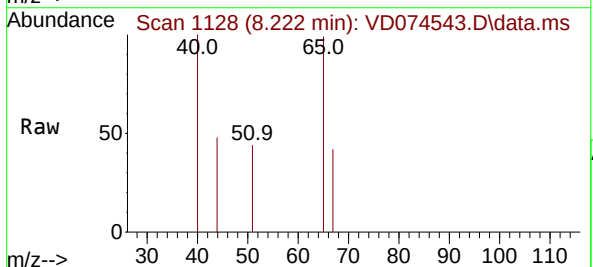
Instrument :
MSVOA_D
ClientSampleId :
HD-1-101422

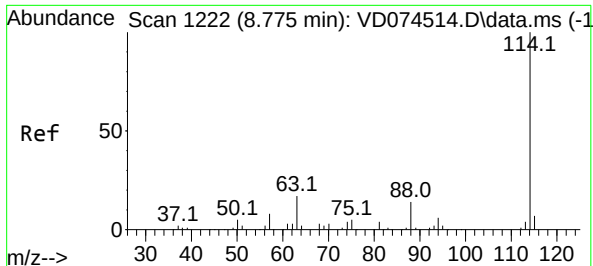
Tgt Ion:168 Resp: 664
Ion Ratio Lower Upper
168 100
99 0.0 40.9 61.3#



#33
1,2-Dichloroethane-d4
Concen: 127.025 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Tgt Ion: 65 Resp: 726
Ion Ratio Lower Upper
65 100
67 10.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074543.D

Acq: 17 Oct 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

HD-1-101422

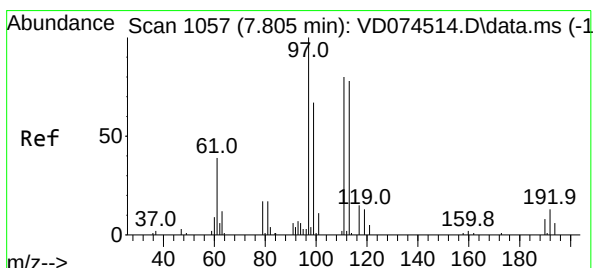
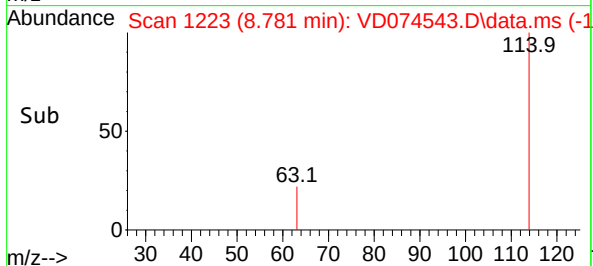
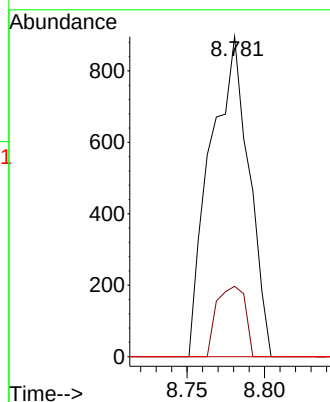
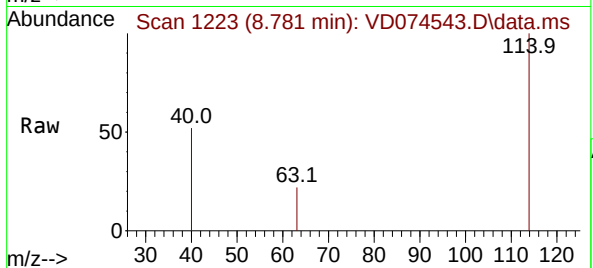
Tgt Ion:114 Resp: 1550

Ion Ratio Lower Upper

114 100

63 22.0 0.0 33.2

88 0.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 71.442 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD074543.D

Acq: 17 Oct 2022 14:31

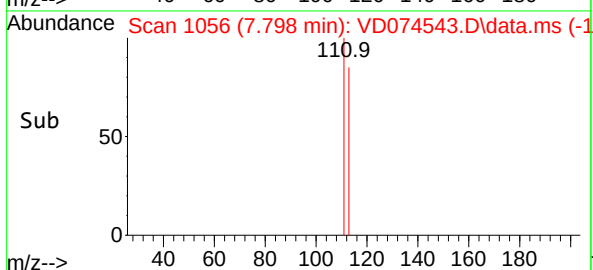
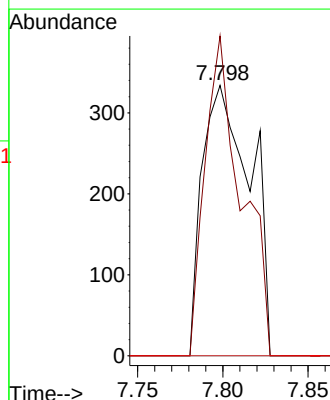
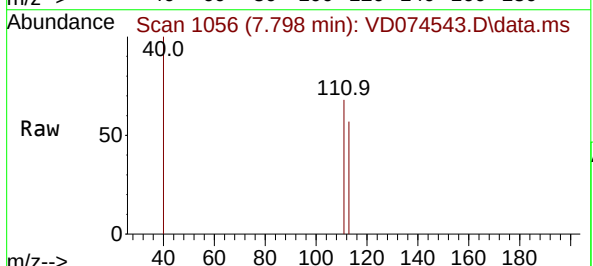
Tgt Ion:113 Resp: 656

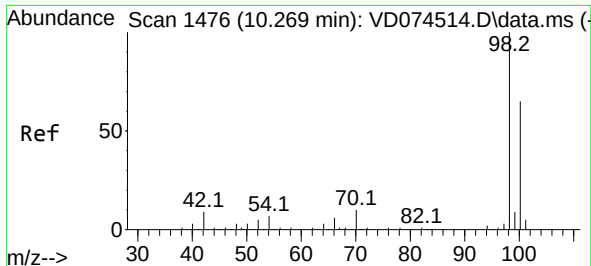
Ion Ratio Lower Upper

113 100

111 89.9 82.3 123.5

192 0.0 16.4 24.6#

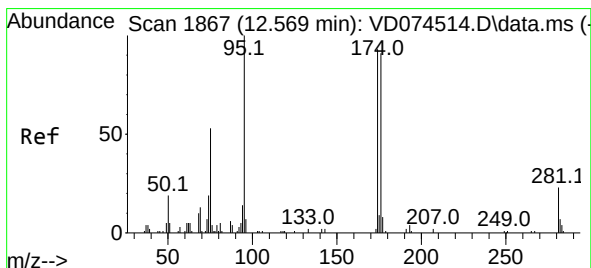
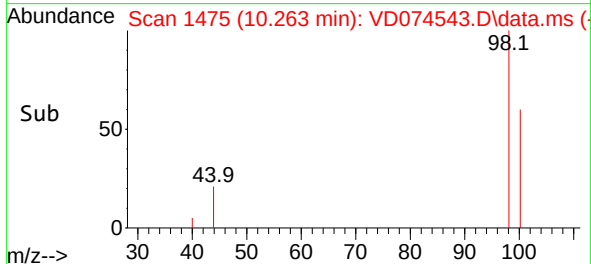
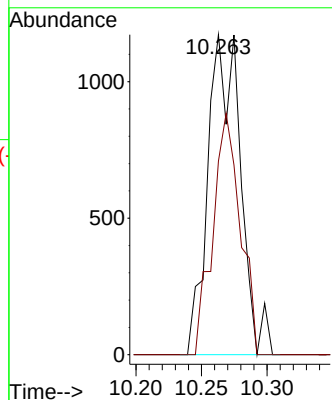
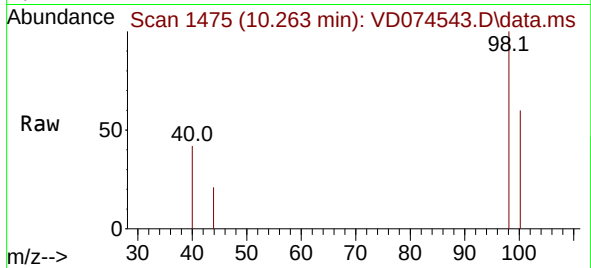




#50
Toluene-d8
Concen: 56.607 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

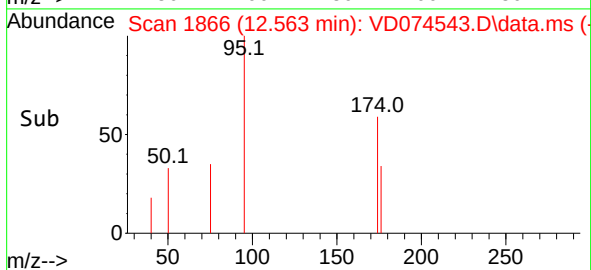
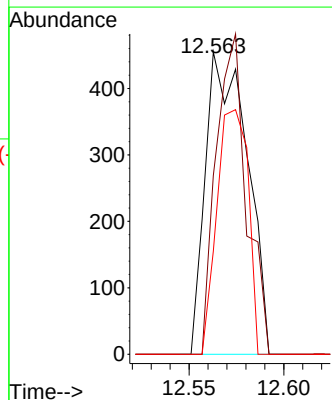
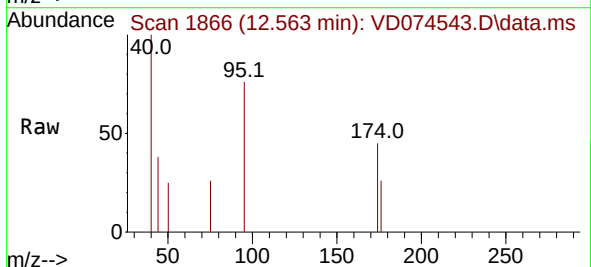
Instrument :
MSVOA_D
ClientSampleId :
HD-1-101422

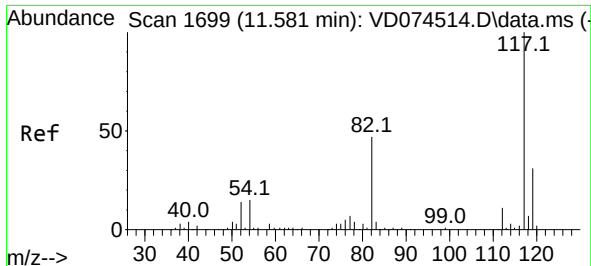
Tgt Ion: 98 Resp: 2017
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 65.360 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Tgt Ion: 95 Resp: 694
Ion Ratio Lower Upper
95 100
174 76.9 0.0 197.0
176 60.7 0.0 182.6

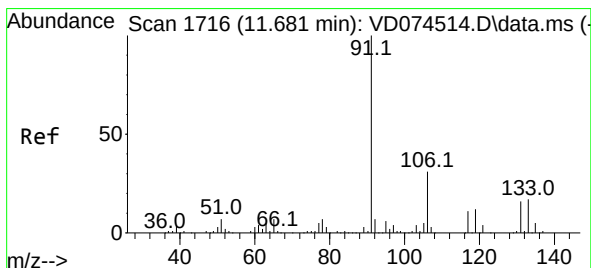
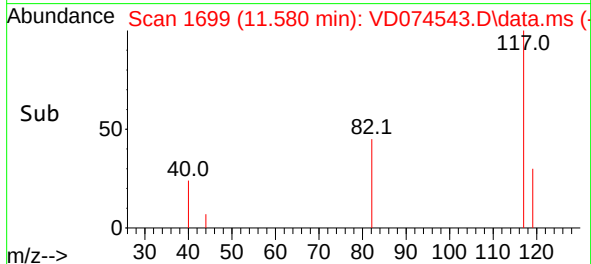
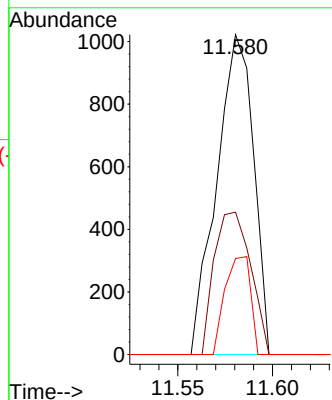
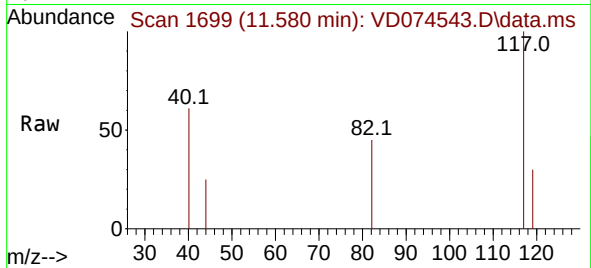




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

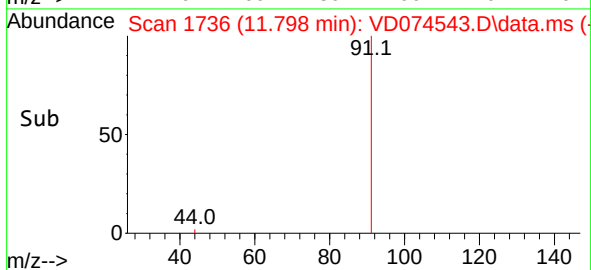
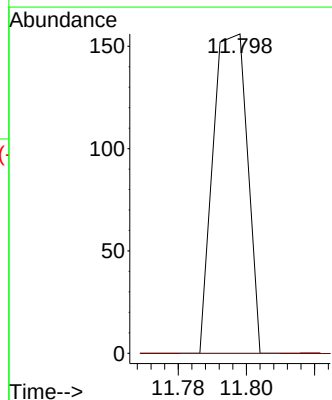
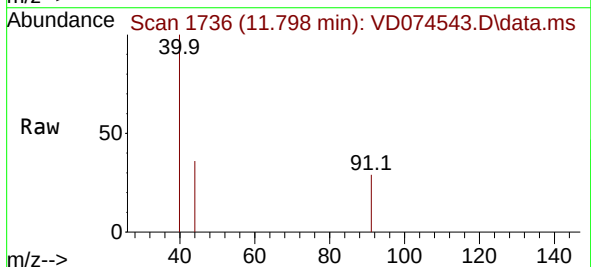
Instrument :
MSVOA_D
ClientSampleId :
HD-1-101422

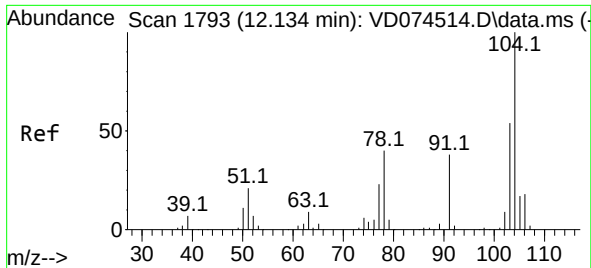
Tgt Ion:117 Resp: 1384
Ion Ratio Lower Upper
117 100
82 44.5 41.6 62.4
119 30.0 25.2 37.8



#67
Ethyl Benzene
Concen: 2.070 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.117 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Tgt Ion: 91 Resp: 109
Ion Ratio Lower Upper
91 100
106 0.0 26.6 40.0#

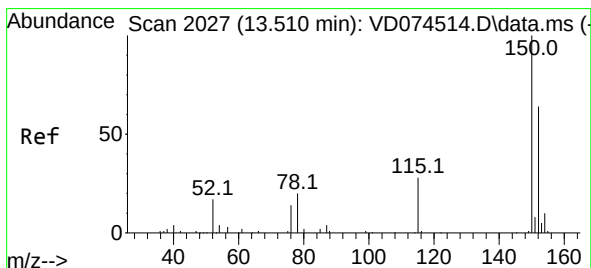
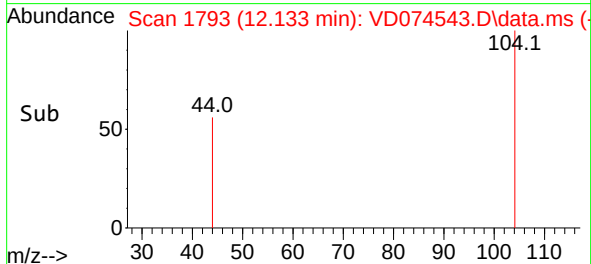
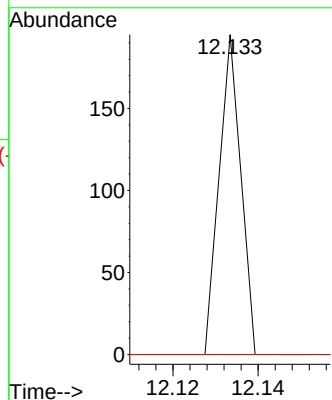
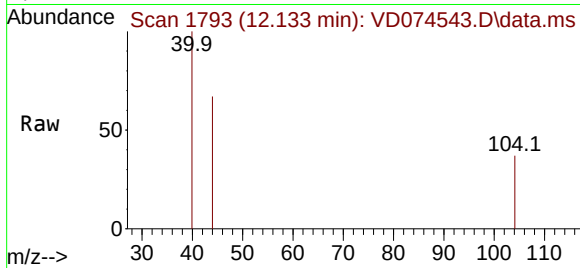




#70
Styrene
Concen: 2.090 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

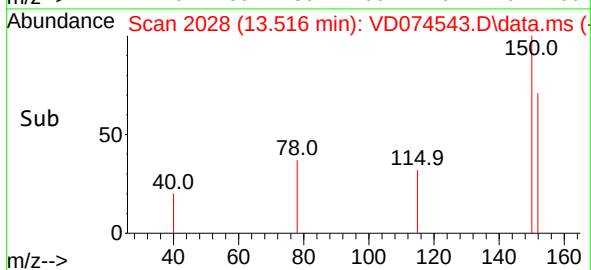
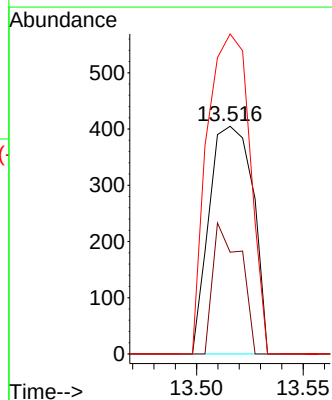
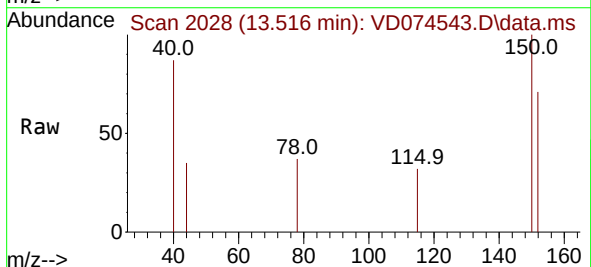
Instrument :
MSVOA_D
ClientSampleId :
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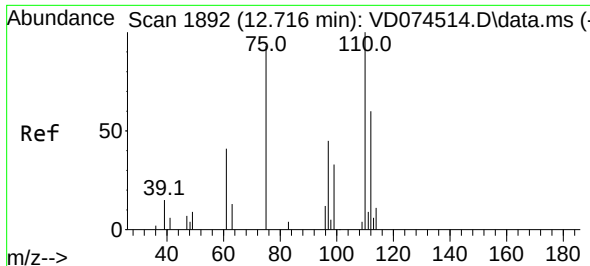
Tgt Ion:104 Resp: 69
Ion Ratio Lower Upper
104 100
78 0.0 35.7 53.5#
103 0.0 43.7 65.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Tgt Ion:152 Resp: 578
Ion Ratio Lower Upper
152 100
115 36.5 26.8 80.4
150 136.9 0.0 348.2

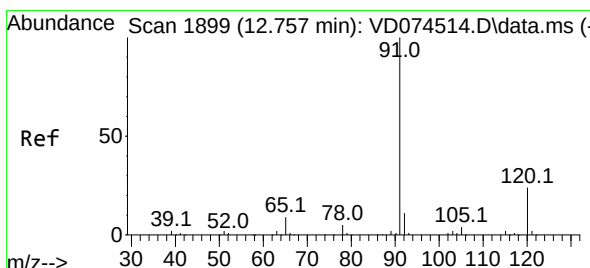
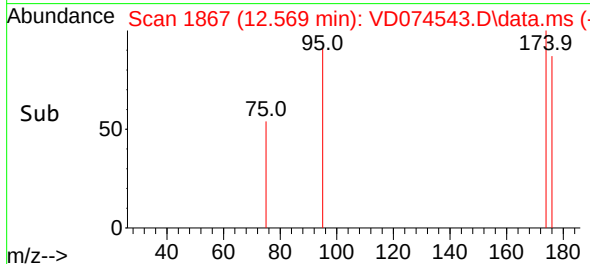
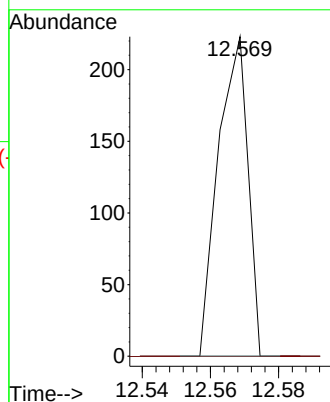
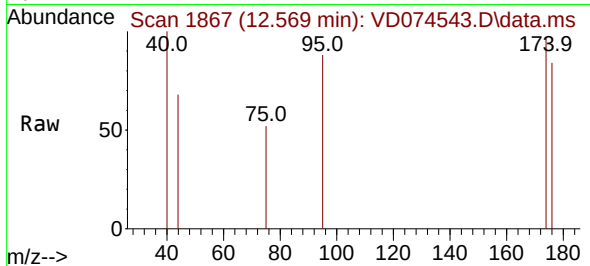




#76
1,2,3-Trichloropropane
Concen: 27.127 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

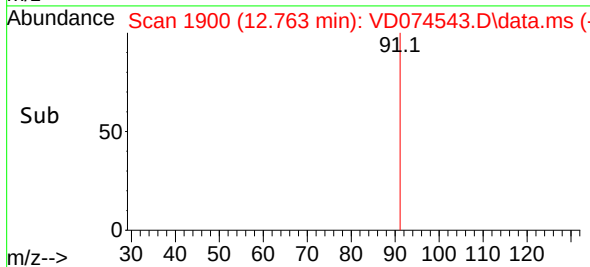
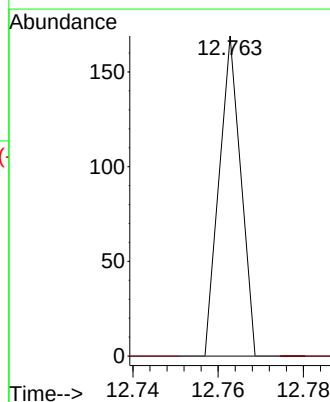
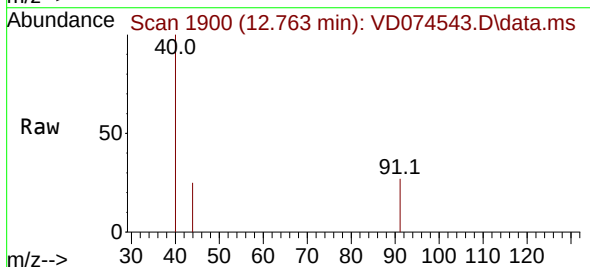
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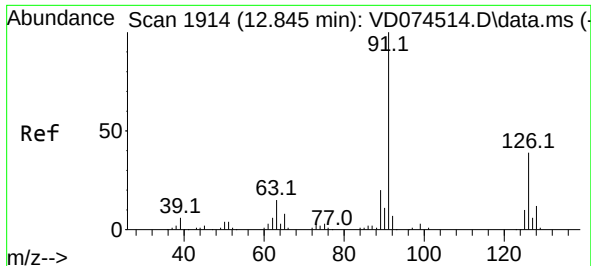
Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#78
n-propylbenzene
Concen: 1.067 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Tgt Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.7#

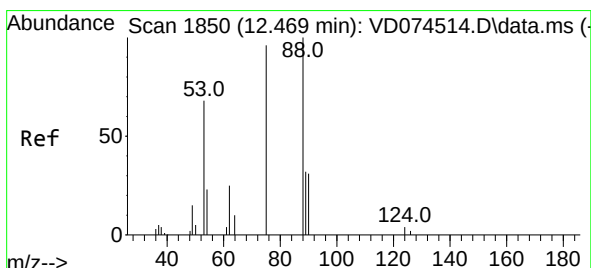
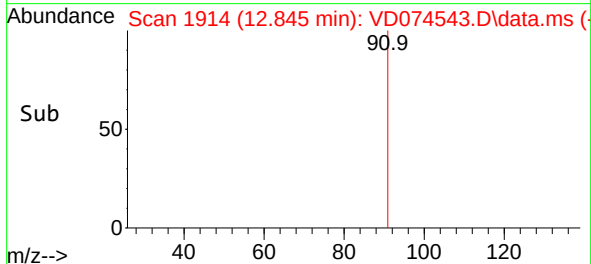
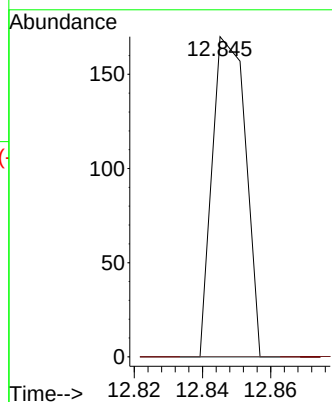
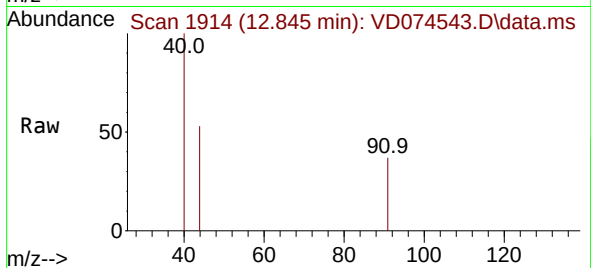




#79
2-Chlorotoluene
Concen: 3.809 ug/l
RT: 12.845 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

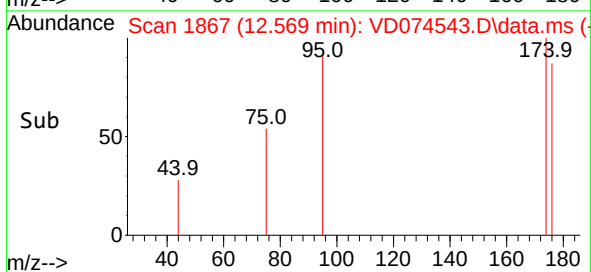
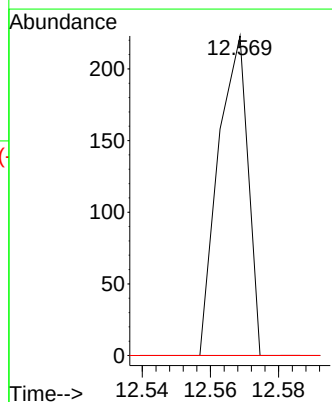
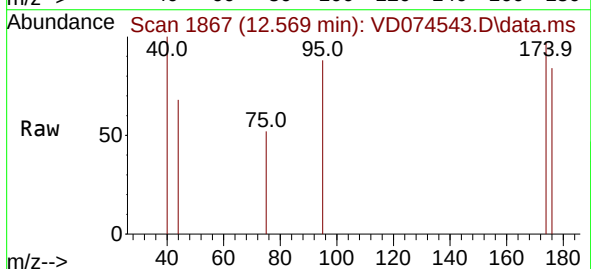
Instrument :
MSVOA_D
ClientSampleId :
HD-1-101422

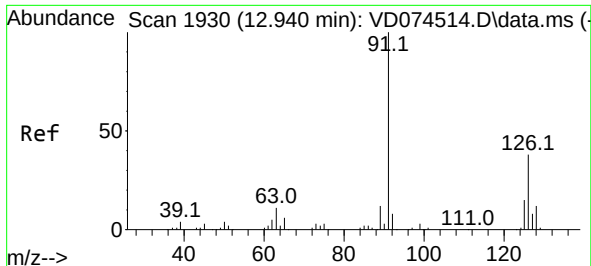
Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.812 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

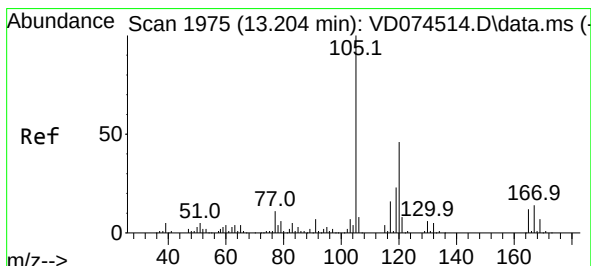
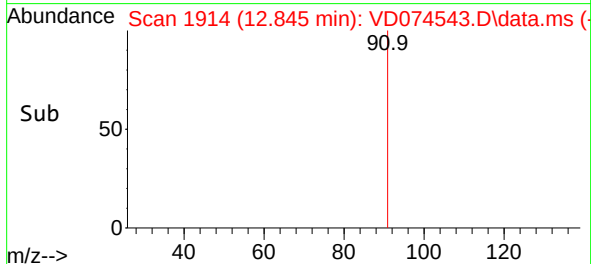
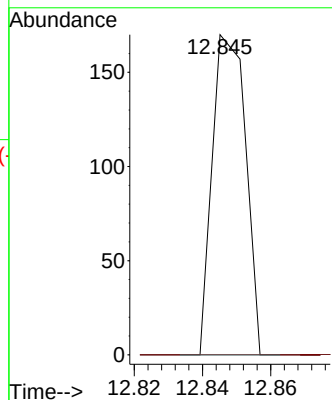
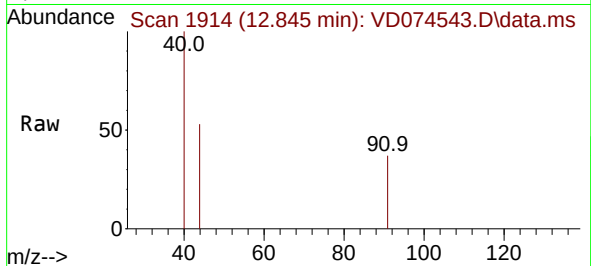




#82
4-Chlorotoluene
Concen: 3.795 ug/l
RT: 12.845 min Scan# 1914
Delta R.T. -0.095 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

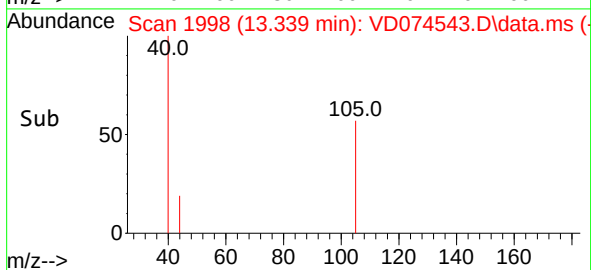
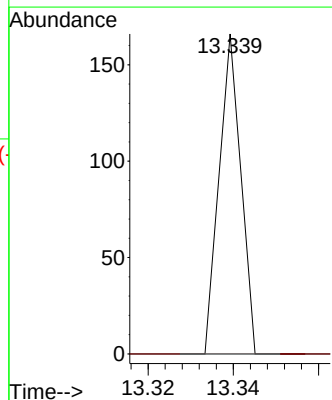
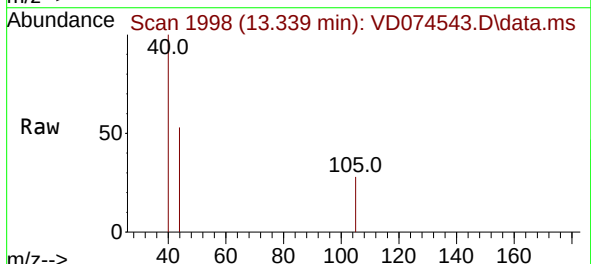
Instrument :
MSVOA_D
ClientSampleId :
HD-1-101422

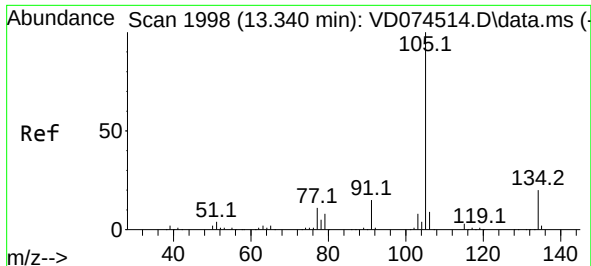
Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
126 0.0 18.8 56.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.576 ug/l
RT: 13.339 min Scan# 1998
Delta R.T. 0.135 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Tgt Ion: 105 Resp: 59
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#

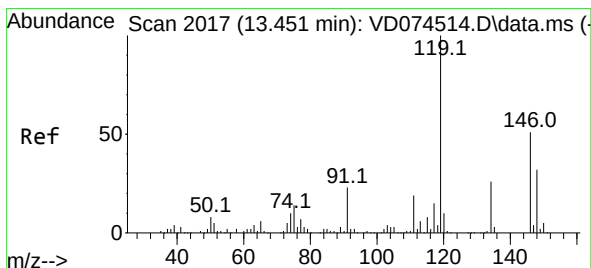
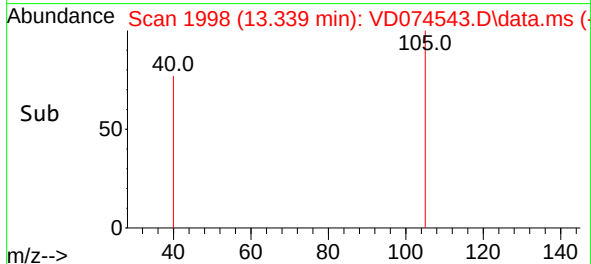
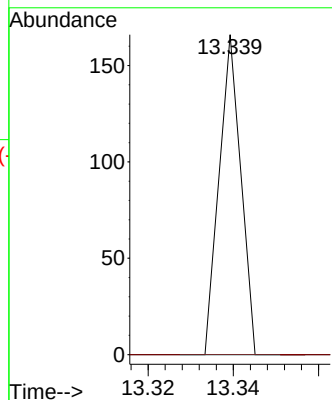
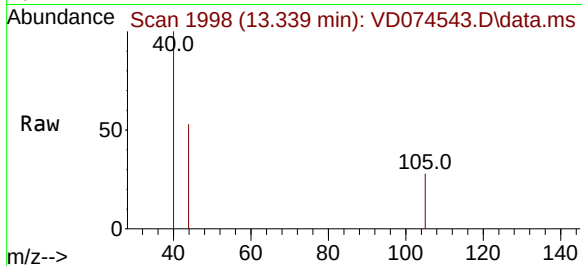




#85
 sec-Butylbenzene
 Concen: 1.170 ug/l
 RT: 13.339 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VD074543.D
 Acq: 17 Oct 2022 14:31

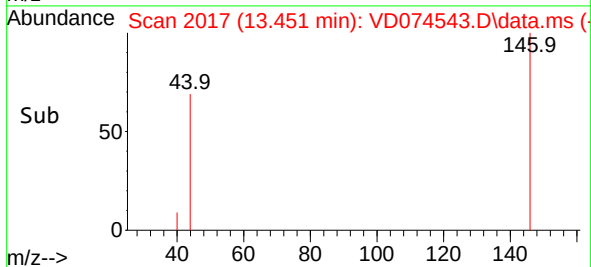
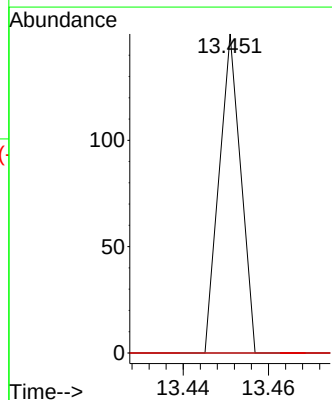
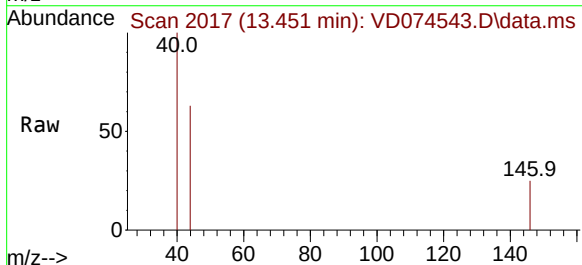
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-1-101422

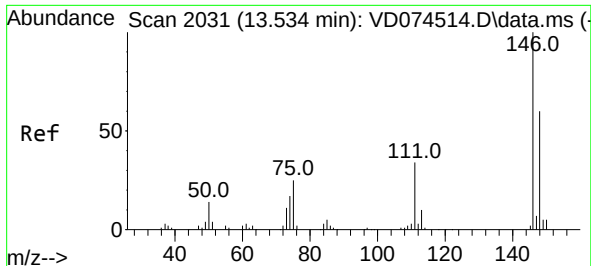
Tgt Ion:105 Resp: 59
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#



#87
 1,3-Dichlorobenzene
 Concen: 2.459 ug/l
 RT: 13.451 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: VD074543.D
 Acq: 17 Oct 2022 14:31

Tgt Ion:146 Resp: 53
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.8#
 148 0.0 31.8 95.4#

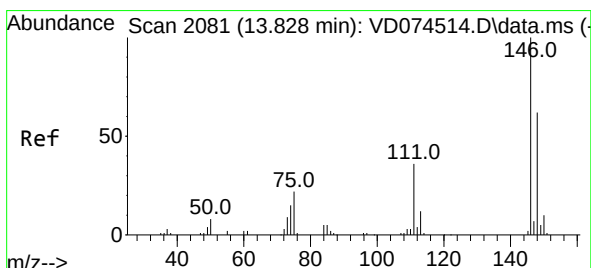
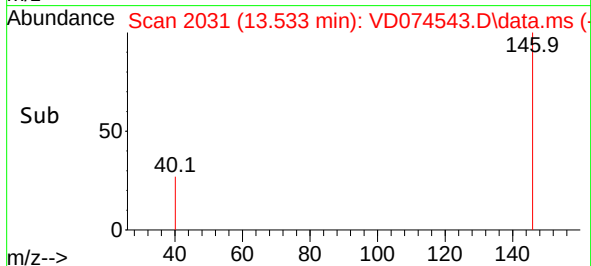
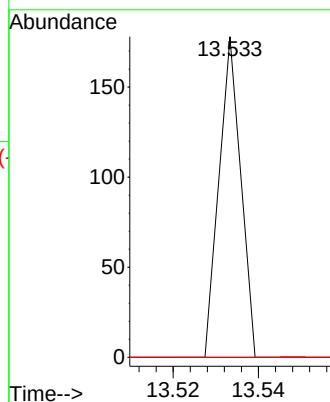
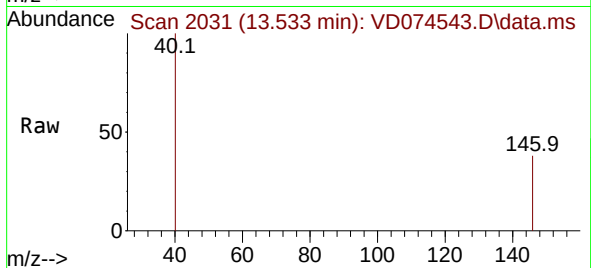




#88
 1,4-Dichlorobenzene
 Concen: 2.946 ug/l
 RT: 13.533 min Scan# 2031
 Delta R.T. -0.001 min
 Lab File: VD074543.D
 Acq: 17 Oct 2022 14:31

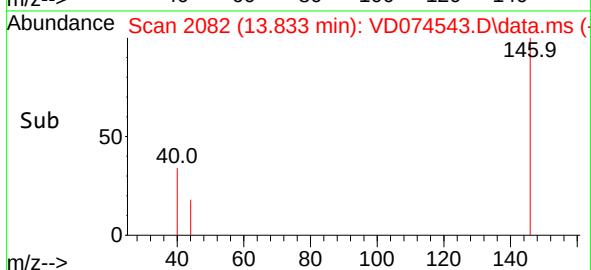
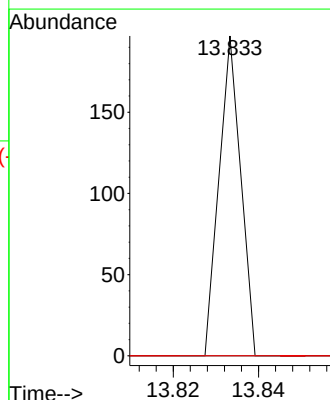
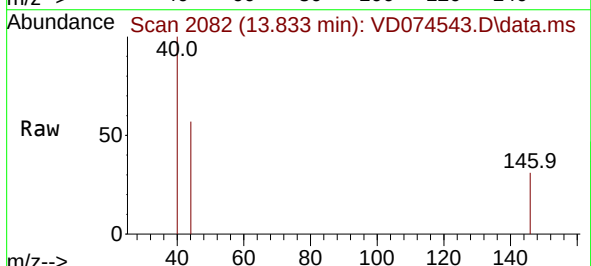
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-1-101422

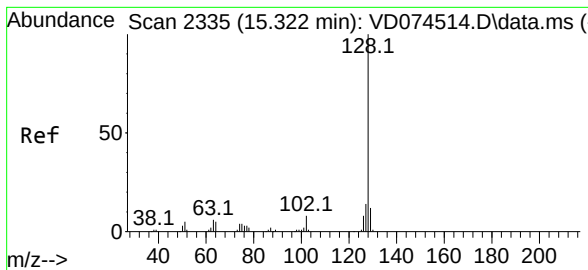
Tgt Ion:146 Resp: 63
 Ion Ratio Lower Upper
 146 100
 111 0.0 17.7 53.1#
 148 0.0 32.3 96.9#



#91
 1,2-Dichlorobenzene
 Concen: 3.753 ug/l
 RT: 13.833 min Scan# 2082
 Delta R.T. 0.005 min
 Lab File: VD074543.D
 Acq: 17 Oct 2022 14:31

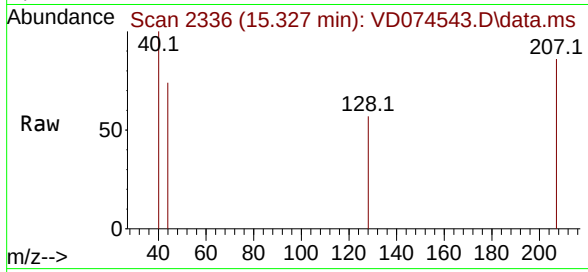
Tgt Ion:146 Resp: 69
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.5#
 148 0.0 31.9 95.5#





#95
Naphthalene
Concen: 15.593 ug/l
RT: 15.327 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD074543.D
Acq: 17 Oct 2022 14:31

Instrument :
MSVOA_D
ClientSampleId :
HD-1-101422



Tgt Ion:	128	Resp:	357
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.3	12.5#

