

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070230.D
 Acq On : 23 Aug 2021 19:42
 Operator : VA/SY
 Sample : M3513-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-082121

Quant Time: Aug 24 01:32:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

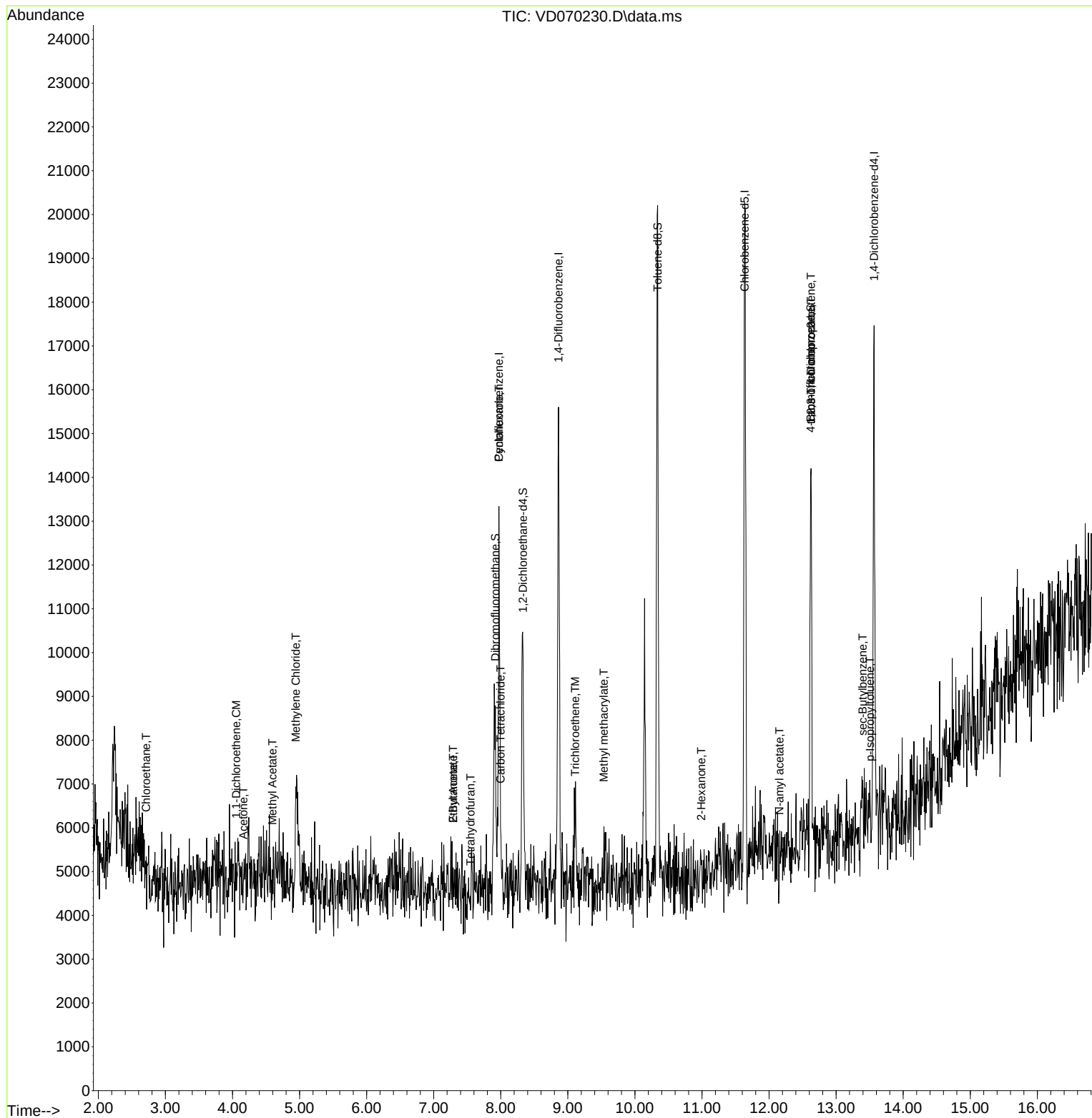
Internal Standards						
1) Pentafluorobenzene	7.973	168	5287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	8868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	9697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	2762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	4486	72.141	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.280%			
35) Dibromofluoromethane	7.920	113	3338	58.262	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.520%			
50) Toluene-d8	10.338	98	10449	46.890	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.780%			
62) 4-Bromofluorobenzene	12.620	95	3785	51.569	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.140%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	235	Below Cal	#	42
5) Bromomethane	2.797	94	135	Below Cal	#	5
6) Chloroethane	2.715	64	87	1.522	ug/l #	42
12) 1,1-Dichloroethene	4.056	96	103	1.640	ug/l #	1
16) Acetone	4.162	43	56	4.889	ug/l #	41
18) Methyl Acetate	4.597	43	61	1.786	ug/l #	50
20) Methylene Chloride	4.944	84	2188	23.746	ug/l #	47
25) 2-Butanone	7.291	43	55	3.514	ug/l #	44
29) Tetrahydrofuran	7.550	42	82	8.000	ug/l #	32
31) Cyclohexane	7.973	56	133	1.081	ug/l #	51
37) Ethyl Acetate	7.291	43	55	1.587	ug/l #	67
38) Carbon Tetrachloride	7.997	117	218	2.517	ug/l #	10
44) Trichloroethene	9.108	130	382	5.715	ug/l	51
48) Methyl methacrylate	9.538	41	167	5.413	ug/l #	12
59) 2-Hexanone	10.991	43	118	5.238	ug/l #	21
74) N-amyl acetate	12.155	43	73	1.681	ug/l #	39
76) 1,2,3-Trichloropropane	12.626	75	1851	66.082	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	1851	171.526	ug/l #	17
85) sec-Butylbenzene	13.396	105	248	1.111	ug/l #	57
86) p-Isopropyltoluene	13.508	119	215	1.192	ug/l #	51

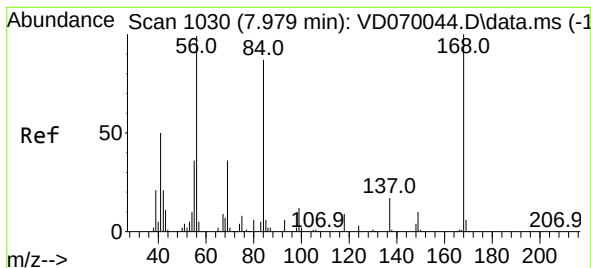
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070230.D

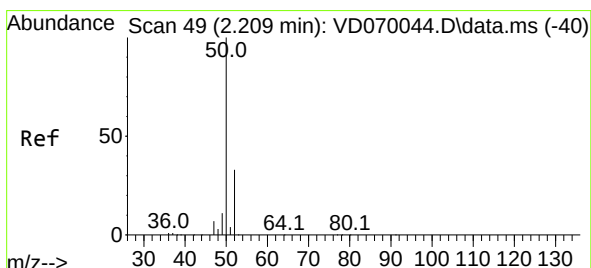
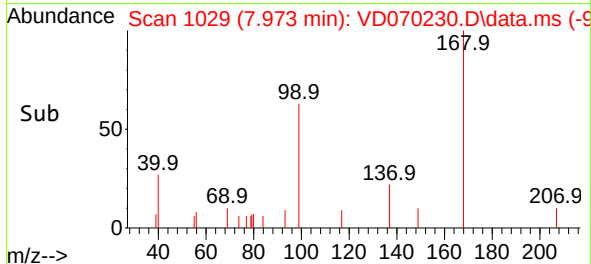
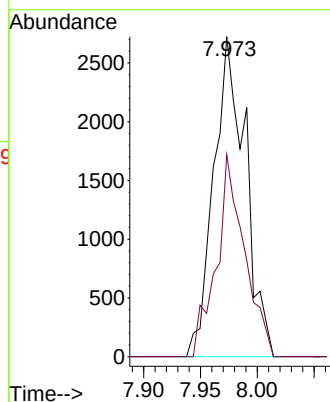
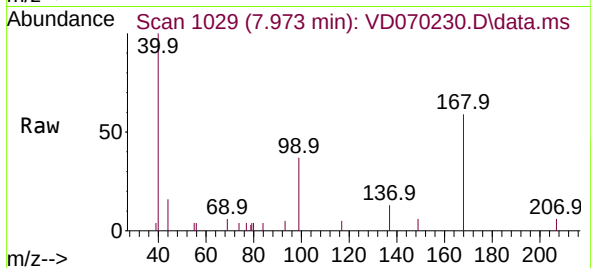
Acq: 23 Aug 2021 19:42

Tgt Ion: 168 Resp: 5287

Ion Ratio Lower Upper

168 100

99 63.1 50.3 75.5



#3

Chloromethane

Concen: Below Cal

RT: 2.203 min Scan# 48

Delta R.T. -0.006 min

Lab File: VD070230.D

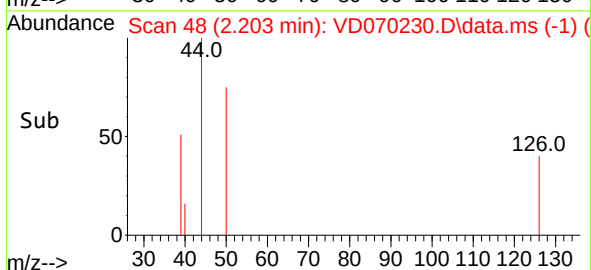
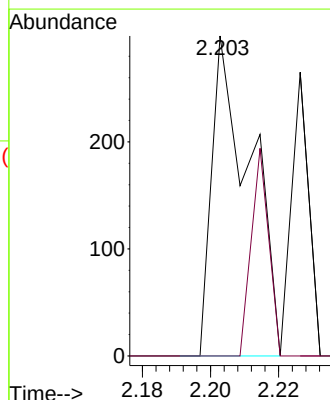
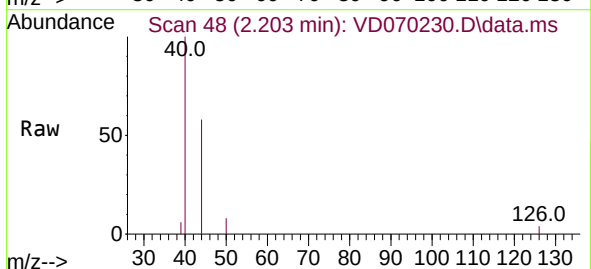
Acq: 23 Aug 2021 19:42

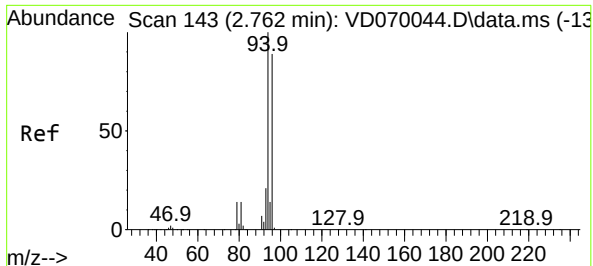
Tgt Ion: 50 Resp: 235

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#

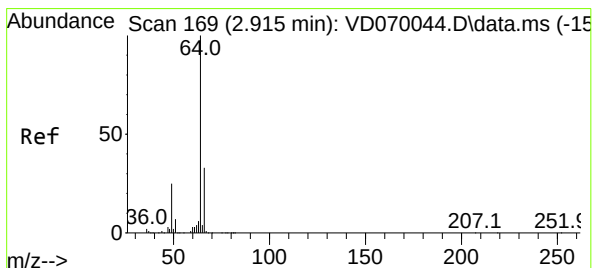
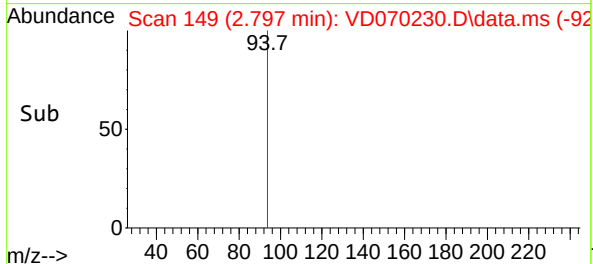
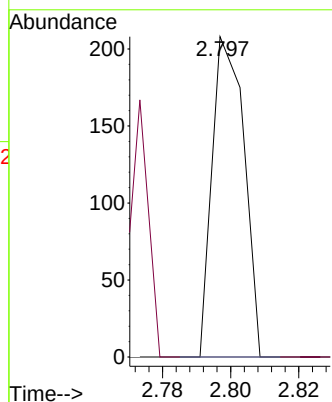
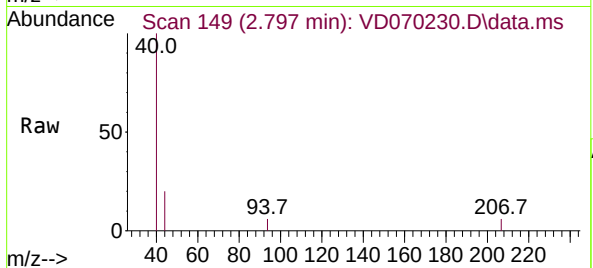




#5
Bromomethane
Concen: Below Cal
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

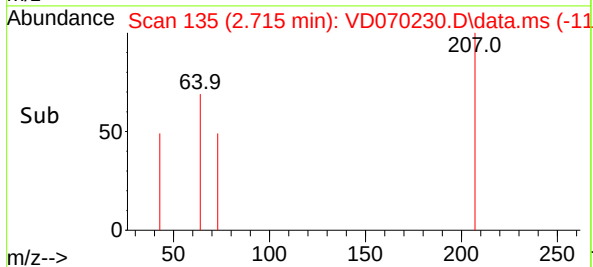
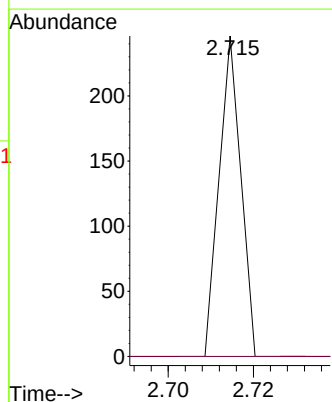
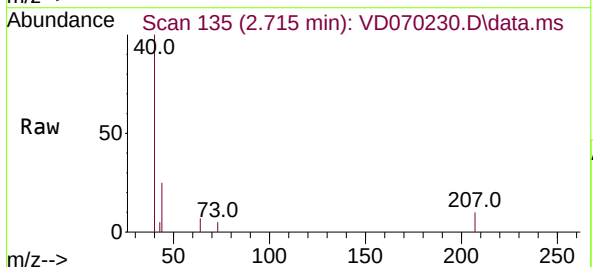
Instrument :
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ClientSampleId :
TR-04-082121

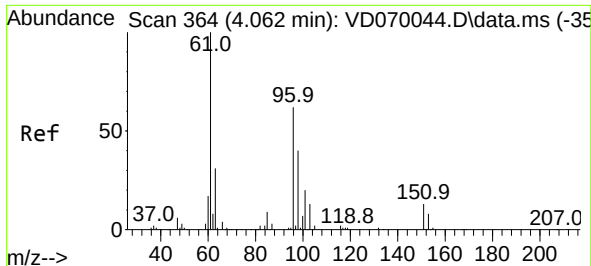
Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 0.0 70.9 106.3#



#6
Chloroethane
Concen: 1.522 ug/l
RT: 2.715 min Scan# 135
Delta R.T. -0.200 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#12

1,1-Dichloroethene

Concen: 1.640 ug/l

RT: 4.056 min Scan# 363

Delta R.T. -0.006 min

Lab File: VD070230.D

Acq: 23 Aug 2021 19:42

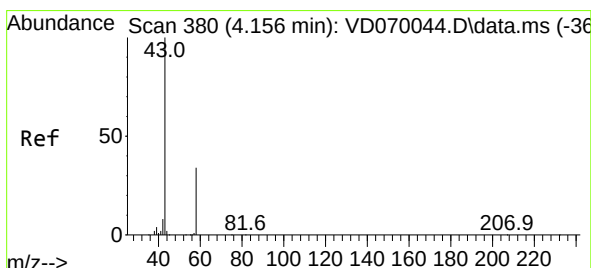
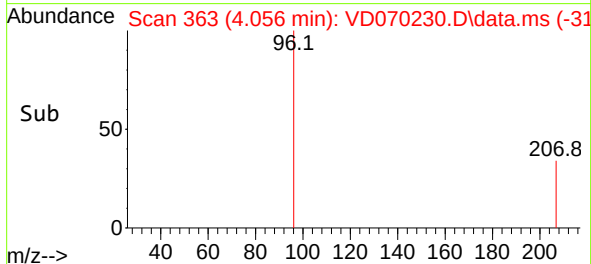
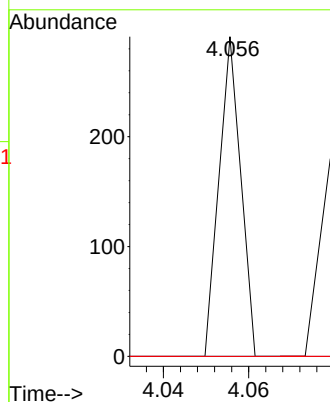
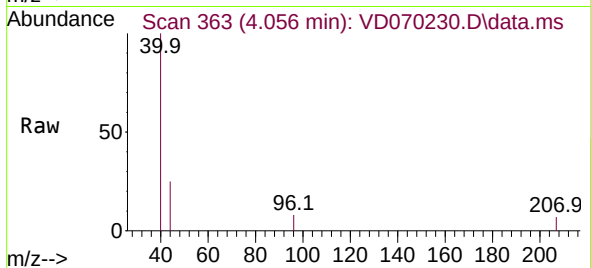
Instrument :

MSVOA_D

ClientSampleId :

TR-04-082121

Tgt Ion: 96	Resp: 103
Ion Ratio	Lower Upper
96	100
61	0.0 129.1 193.7#
98	0.0 52.0 78.0#



#16

Acetone

Concen: 4.889 ug/l

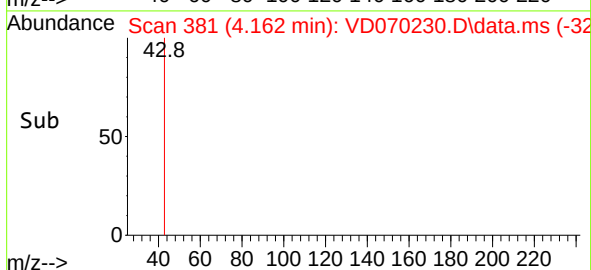
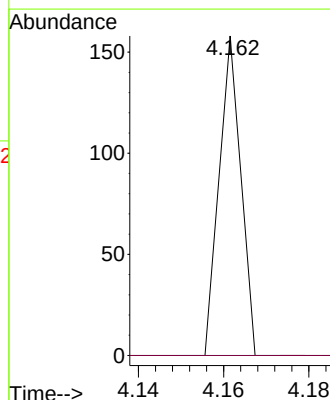
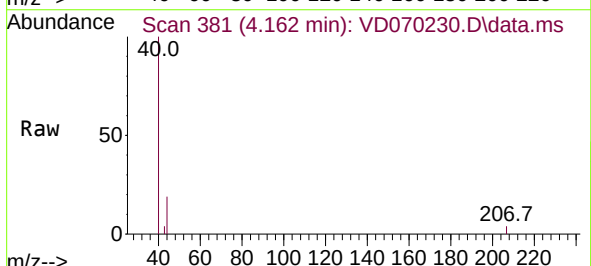
RT: 4.162 min Scan# 381

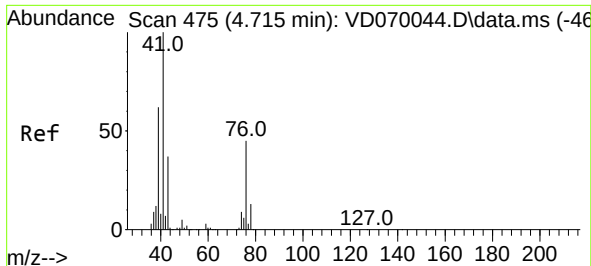
Delta R.T. 0.006 min

Lab File: VD070230.D

Acq: 23 Aug 2021 19:42

Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43	100
58	0.0 26.8 40.2#

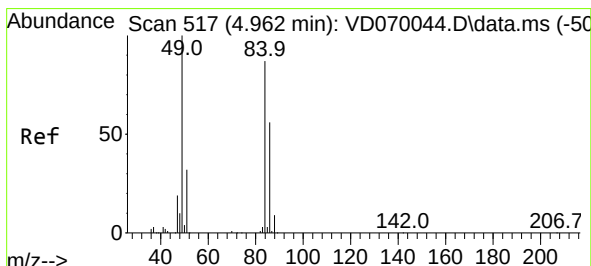
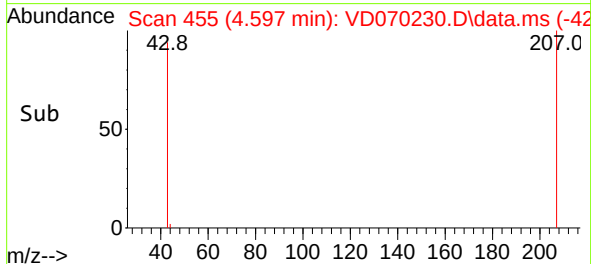
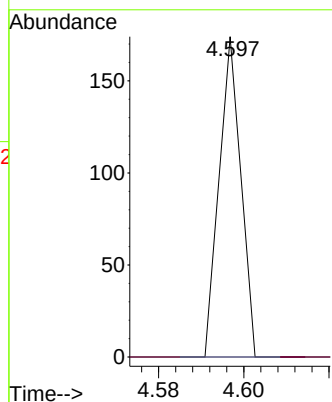
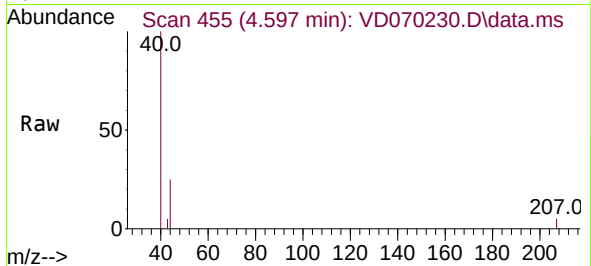




#18
Methyl Acetate
Concen: 1.786 ug/l
RT: 4.597 min Scan# 455
Delta R.T. -0.118 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

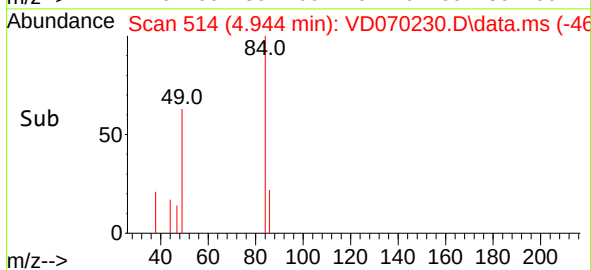
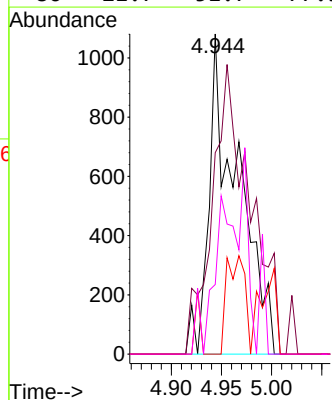
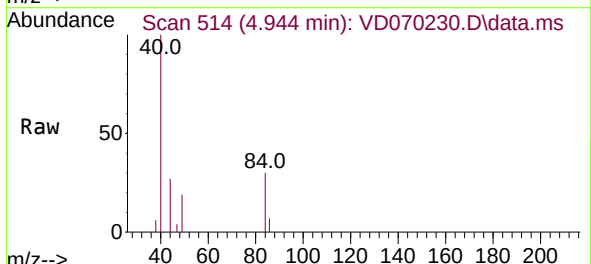
Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121

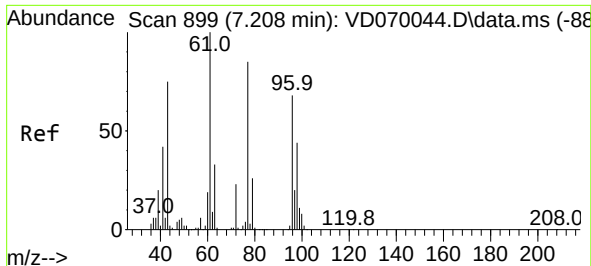
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 23.746 ug/l
RT: 4.944 min Scan# 514
Delta R.T. -0.018 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

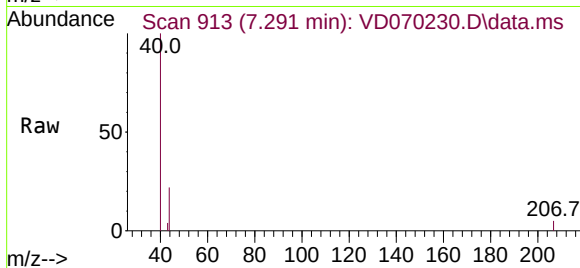
Tgt Ion: 84 Resp: 2188
Ion Ratio Lower Upper
84 100
49 62.9 92.5 138.7#
51 0.0 29.7 44.5#
86 21.7 51.7 77.5#



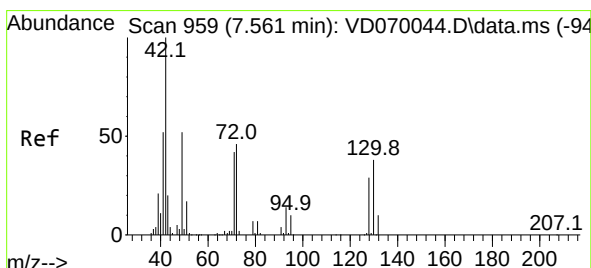
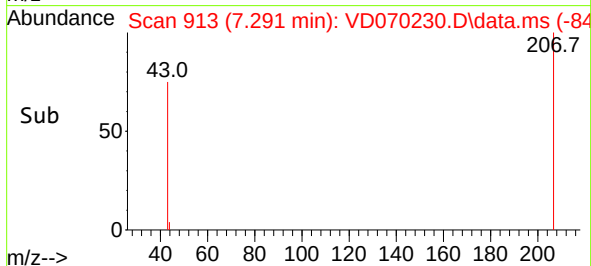
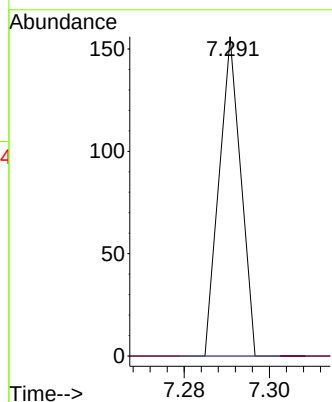


#25
2-Butanone
Concen: 3.514 ug/l
RT: 7.291 min Scan# 913
Delta R.T. 0.082 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121

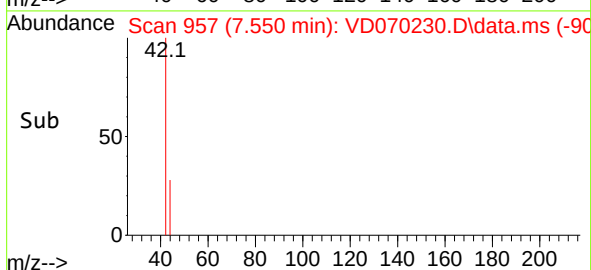
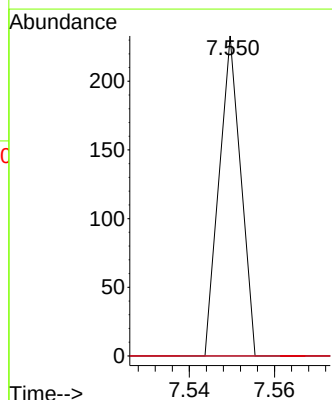
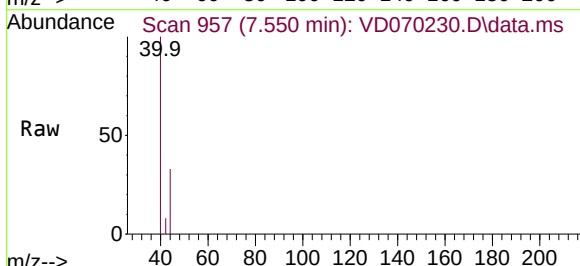


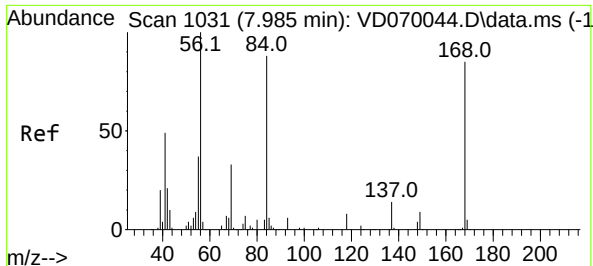
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.4#



#29
Tetrahydrofuran
Concen: 8.000 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.012 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

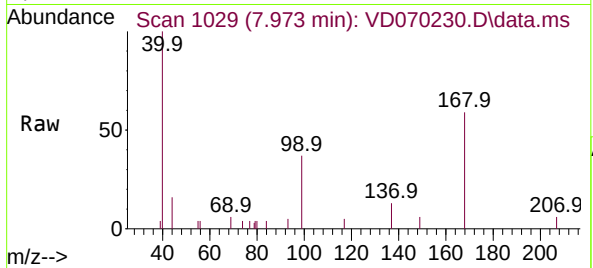
Tgt Ion: 42 Resp: 82
Ion Ratio Lower Upper
42 100
72 0.0 37.5 56.3#
71 0.0 33.6 50.4#



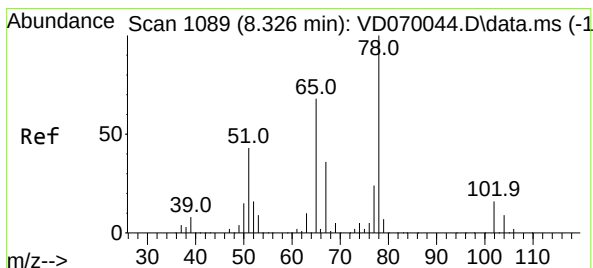
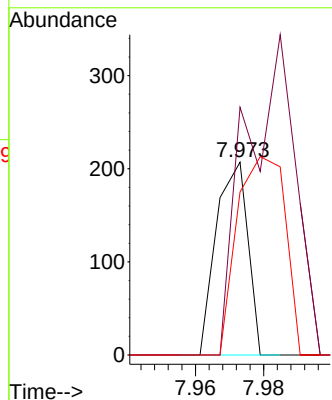
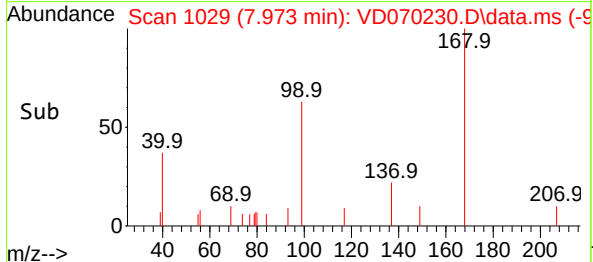


#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

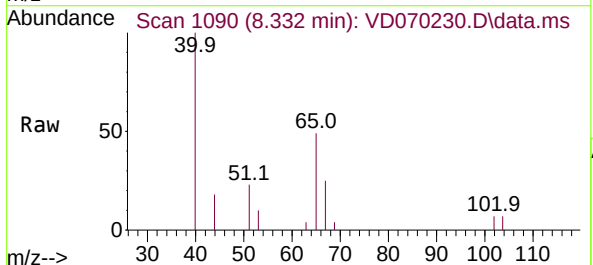
Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121



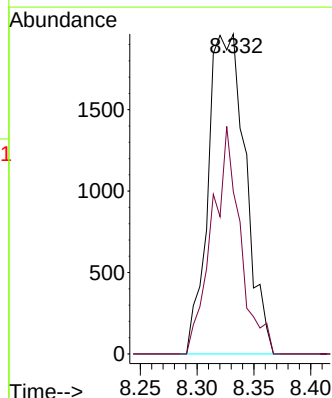
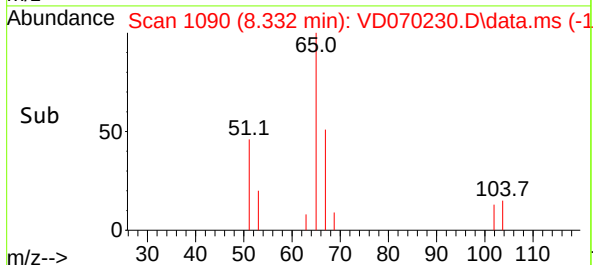
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
69 128.5 26.7 40.1#
84 84.5 70.4 105.6

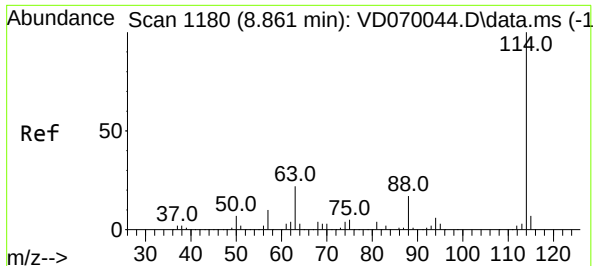


#33
1,2-Dichloroethane-d4
Concen: 72.141 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42



Tgt Ion: 65 Resp: 4486
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

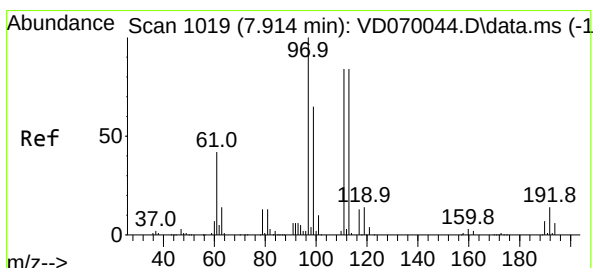
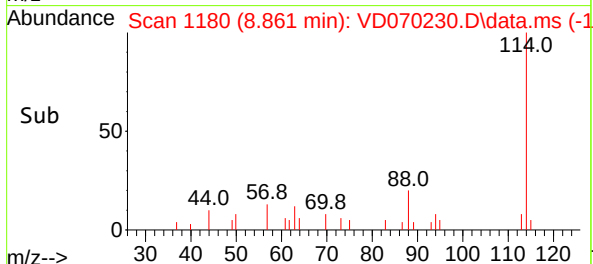
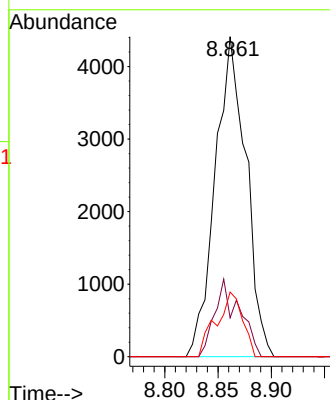
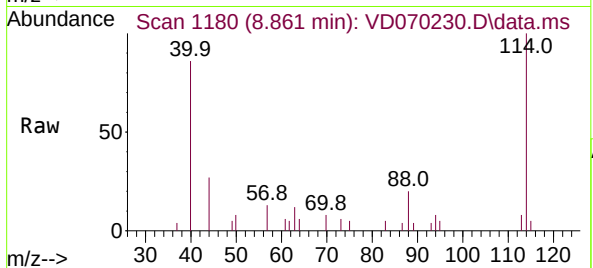
Delta R.T. -0.000 min

Lab File: VD070230.D

Acq: 23 Aug 2021 19:42

Tgt Ion:	114	Resp:	8868
Ion Ratio	Lower	Upper	
114	100		
63	12.1	0.0	43.6
88	20.2	0.0	33.4

Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121



#35

Dibromofluoromethane

Concen: 58.262 ug/l

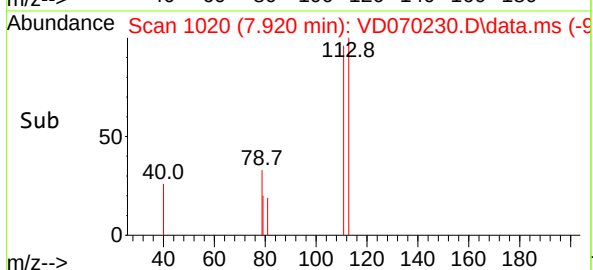
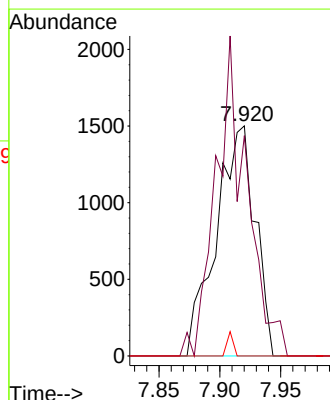
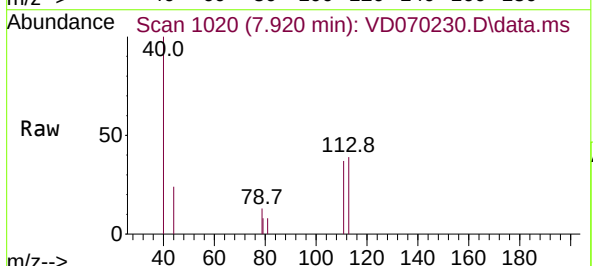
RT: 7.920 min Scan# 1020

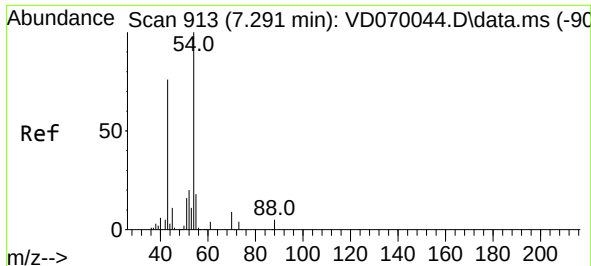
Delta R.T. 0.006 min

Lab File: VD070230.D

Acq: 23 Aug 2021 19:42

Tgt Ion:	113	Resp:	3338
Ion Ratio	Lower	Upper	
113	100		
111	110.2	81.8	122.6
192	1.7	13.2	19.8#





#37

Ethyl Acetate

Concen: 1.587 ug/l

RT: 7.291 min Scan# 913

Delta R.T. -0.000 min

Lab File: VD070230.D

Acq: 23 Aug 2021 19:42

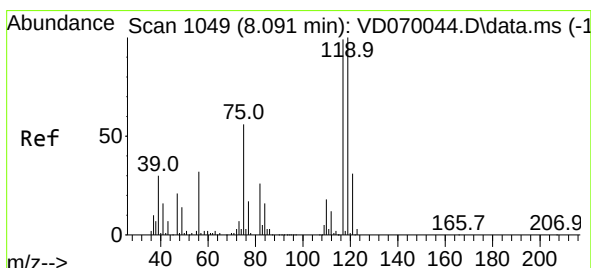
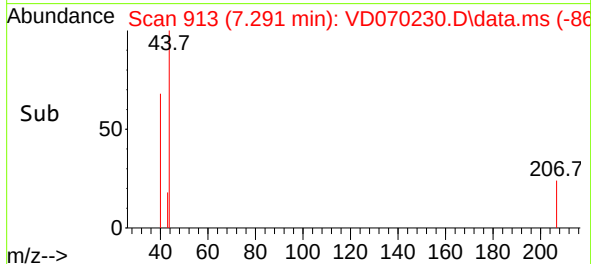
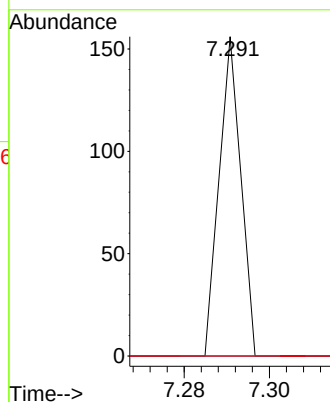
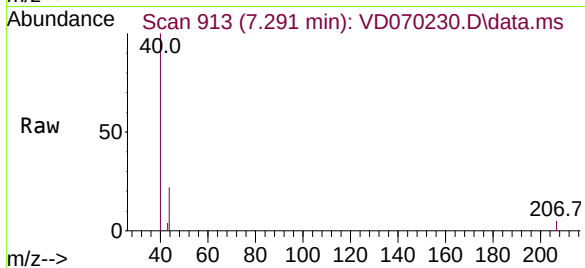
Instrument :

MSVOA_D

ClientSampleId :

TR-04-082121

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.0	13.6#



#38

Carbon Tetrachloride

Concen: 2.517 ug/l

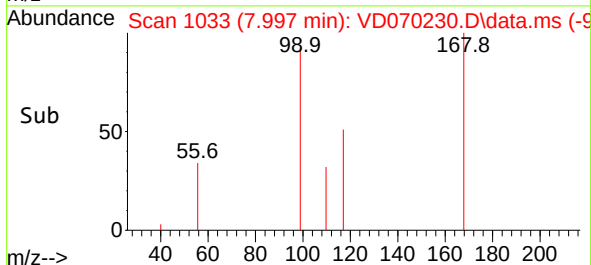
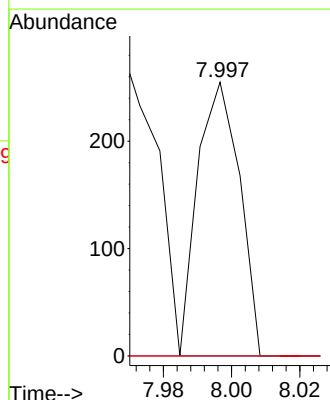
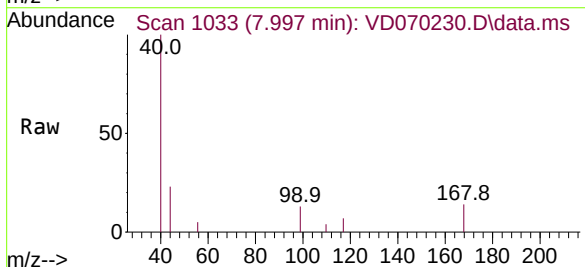
RT: 7.997 min Scan# 1033

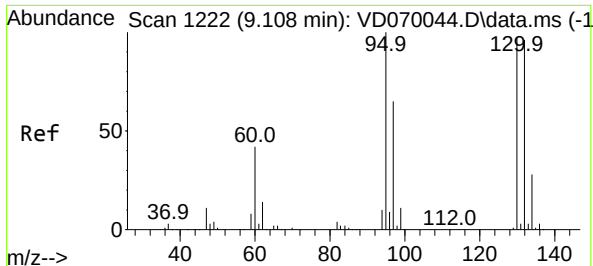
Delta R.T. -0.094 min

Lab File: VD070230.D

Acq: 23 Aug 2021 19:42

Tgt Ion:	117	Resp:	218
Ion	Ratio	Lower	Upper
117	100		
119	0.0	81.0	121.6#
121	0.0	25.0	37.6#

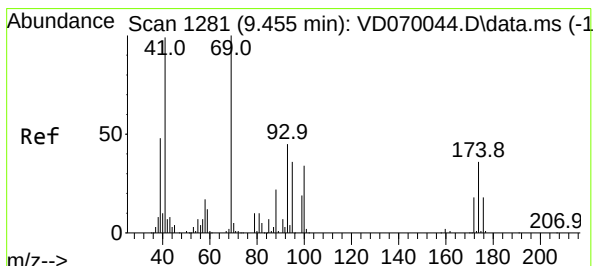
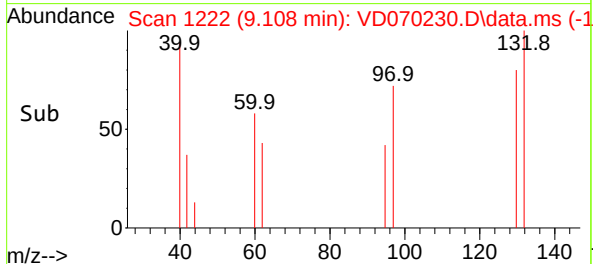
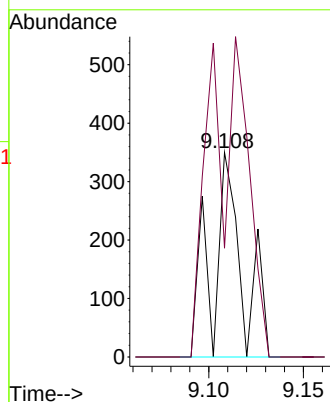
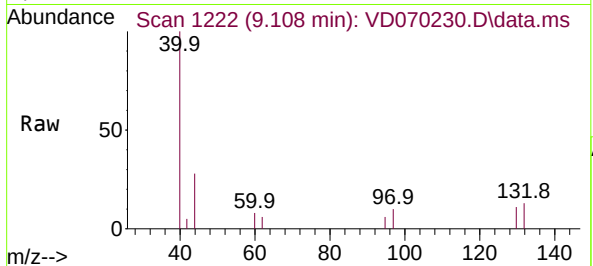




#44
Trichloroethene
Concen: 5.715 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

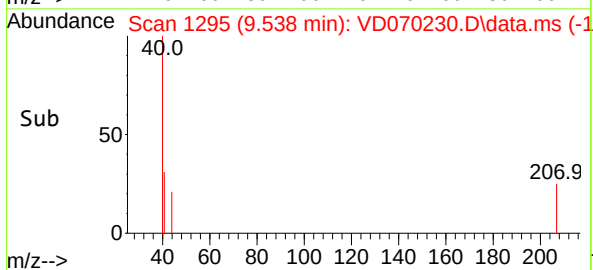
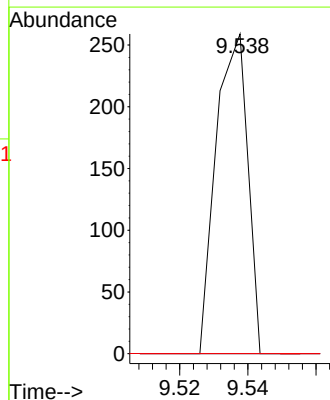
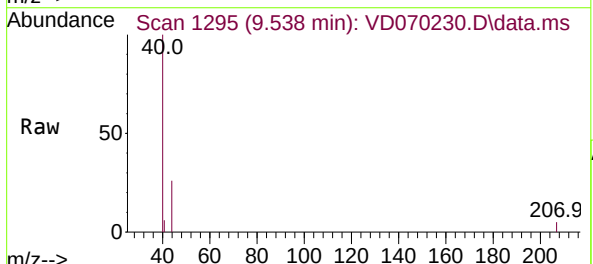
Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121

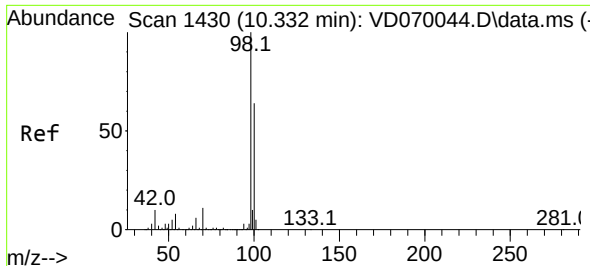
Tgt Ion:130 Resp: 382
Ion Ratio Lower Upper
130 100
95 53.1 0.0 206.4



#48
Methyl methacrylate
Concen: 5.413 ug/l
RT: 9.538 min Scan# 1295
Delta R.T. 0.082 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

Tgt Ion: 41 Resp: 167
Ion Ratio Lower Upper
41 100
69 0.0 74.6 111.8#
39 0.0 35.9 53.9#

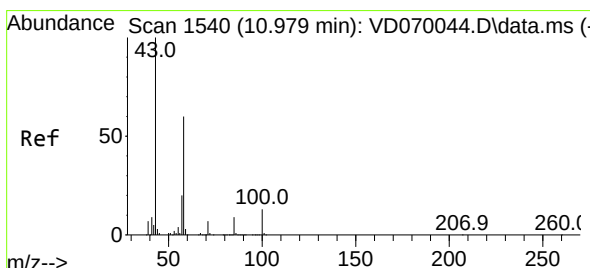
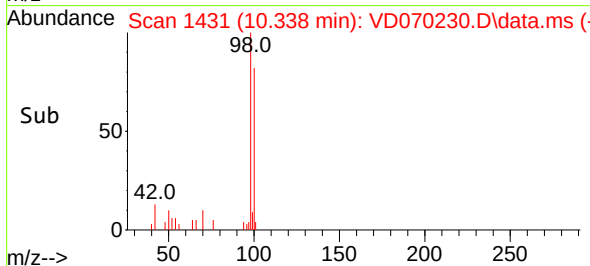
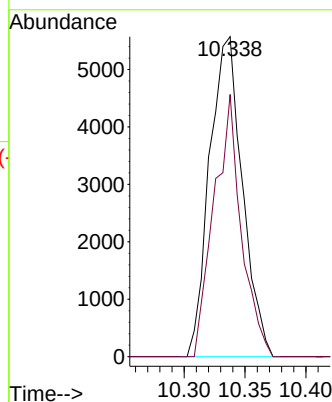
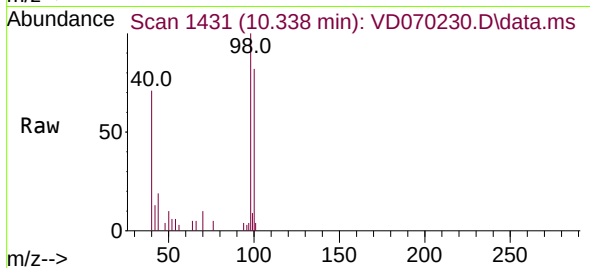




#50
Toluene-d8
Concen: 46.890 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

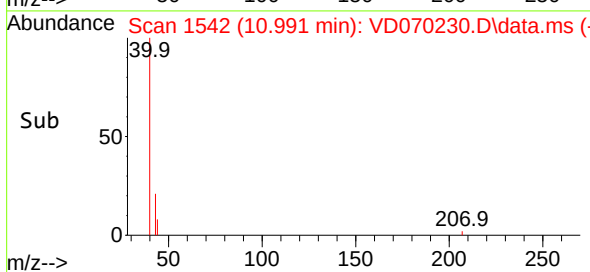
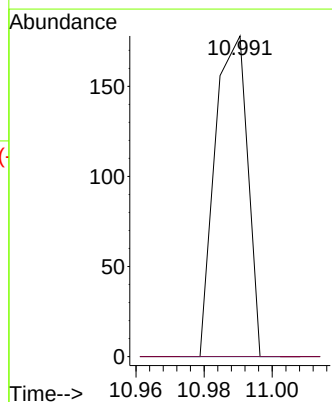
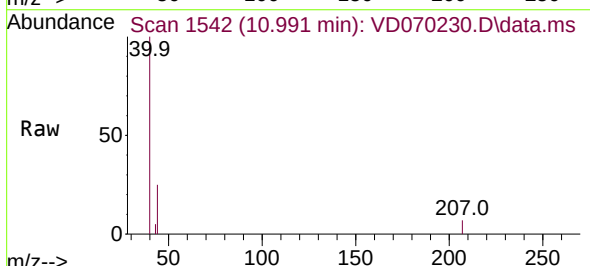
Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121

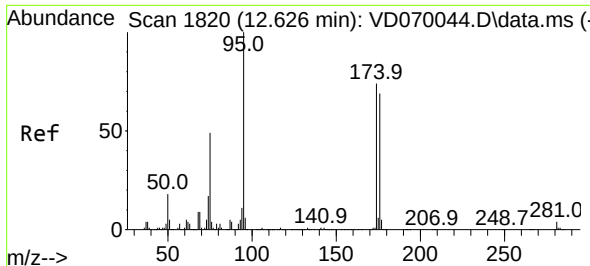
Tgt Ion: 98 Resp: 10449
Ion Ratio Lower Upper
98 100
100 68.0 52.6 78.8



#59
2-Hexanone
Concen: 5.238 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#

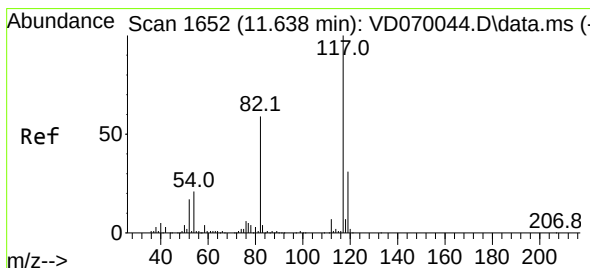
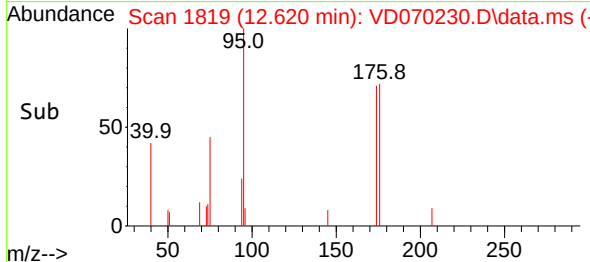
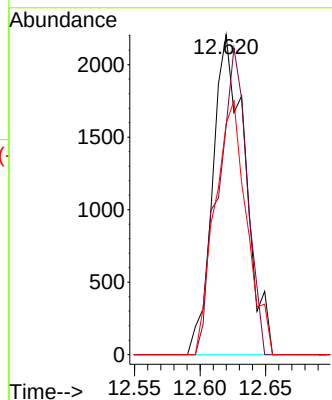
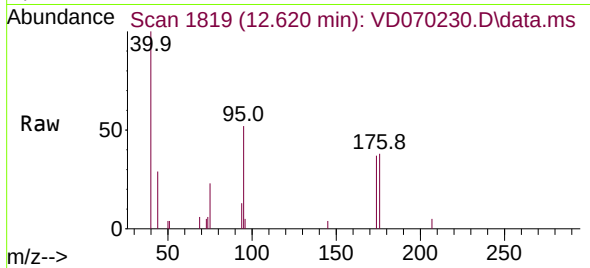




#62
4-Bromofluorobenzene
Concen: 51.569 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

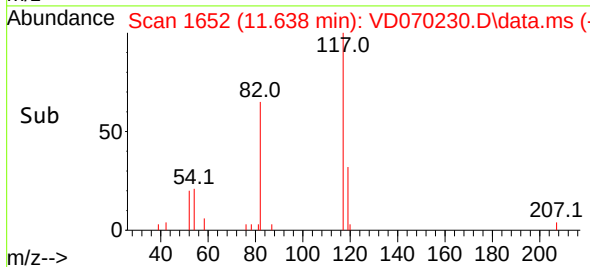
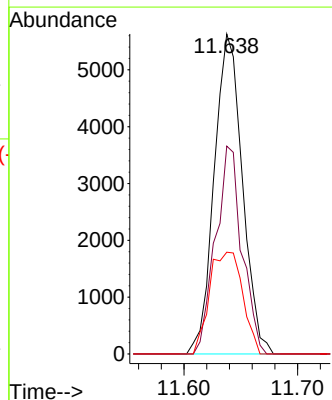
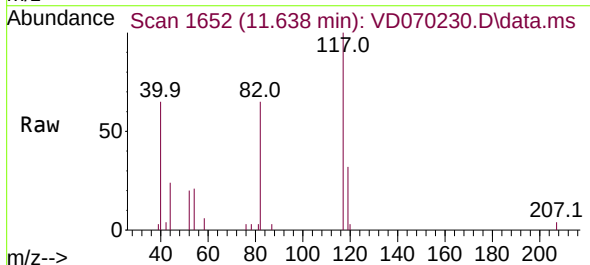
Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121

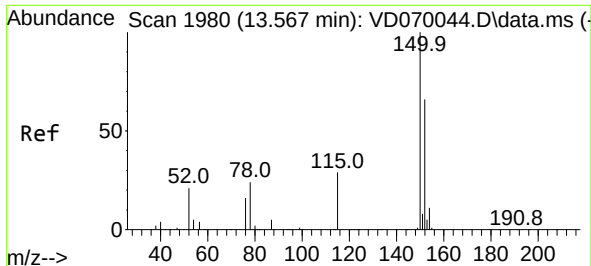
Tgt Ion: 95 Resp: 3785
Ion Ratio Lower Upper
95 100
174 85.4 0.0 141.6
176 78.3 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

Tgt Ion: 117 Resp: 9697
Ion Ratio Lower Upper
117 100
82 64.9 47.5 71.3
119 31.8 25.1 37.7

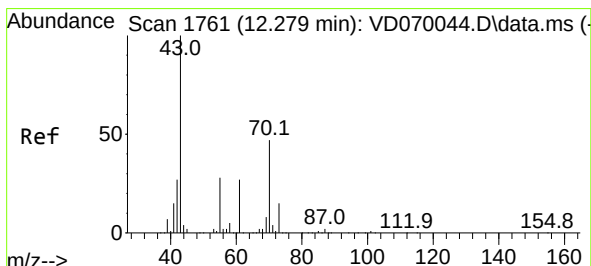
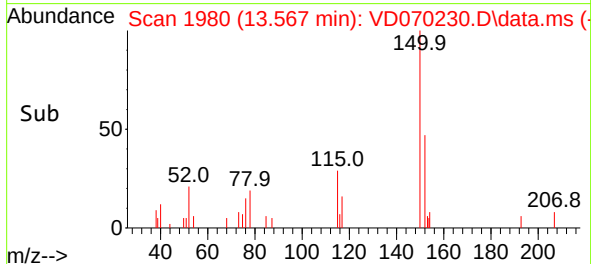
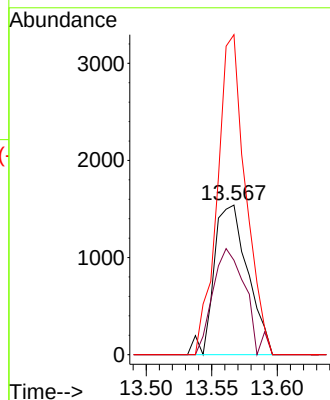
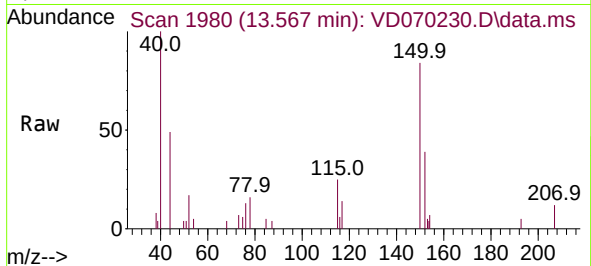




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

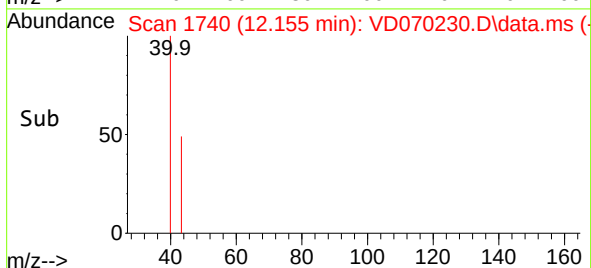
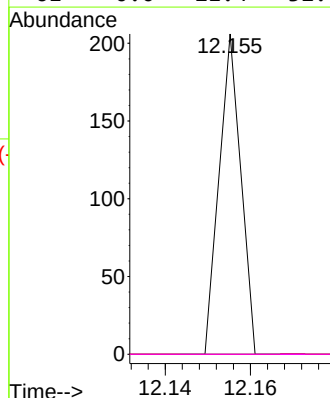
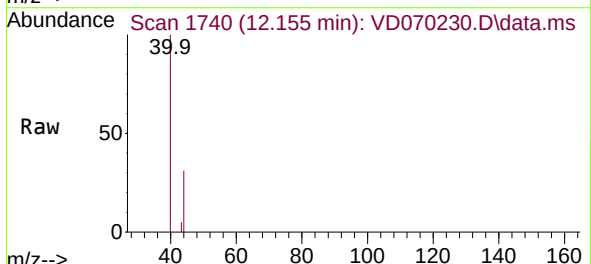
Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121

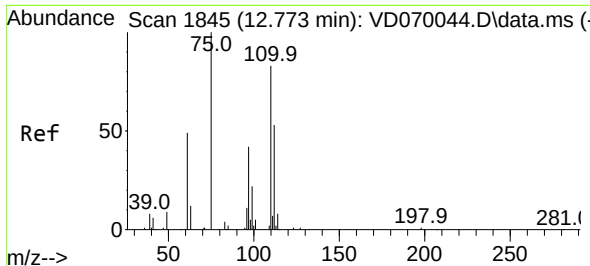
Tgt Ion:152 Resp: 2762
Ion Ratio Lower Upper
152 100
115 68.5 31.2 93.6
150 179.0 0.0 352.0



#74
N-ethyl acetate
Concen: 1.681 ug/l
RT: 12.155 min Scan# 1740
Delta R.T. -0.124 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
70 0.0 37.2 55.8#
55 0.0 22.9 34.3#
61 0.0 21.4 32.0#

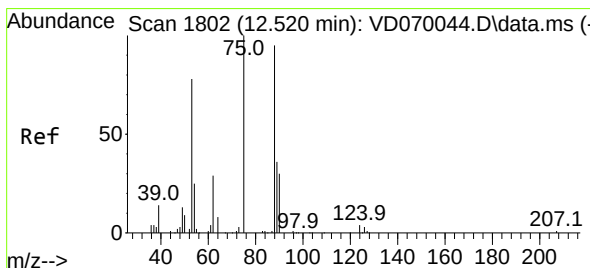
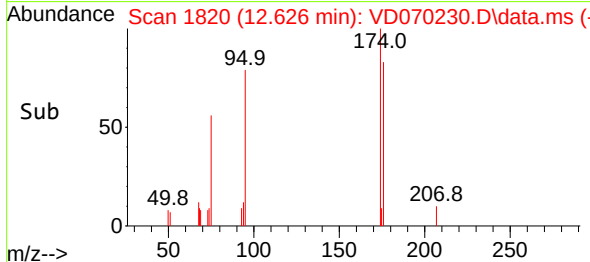
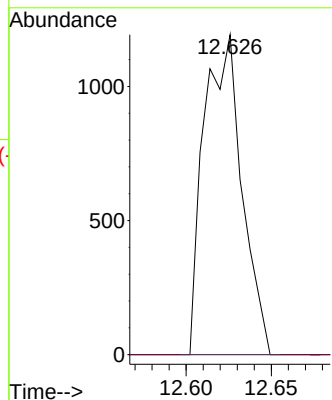
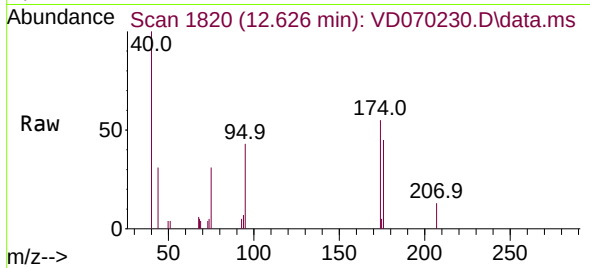




#76
1,2,3-Trichloropropane
Concen: 66.082 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

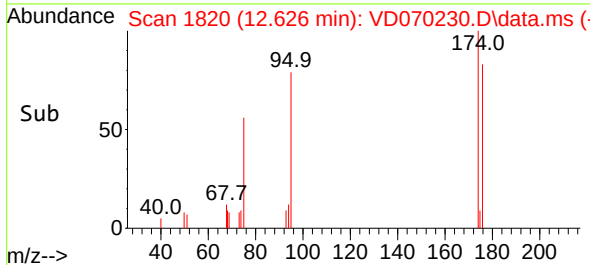
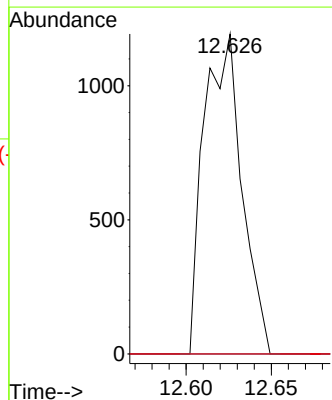
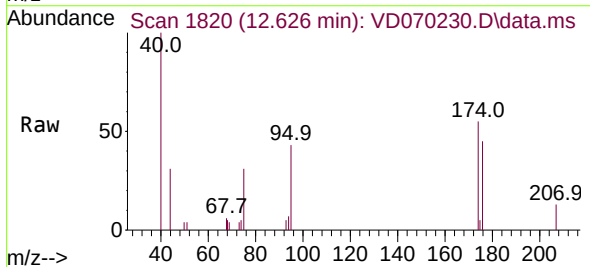
Instrument :
MSVOA_D
ClientSampleId :
TR-04-082121

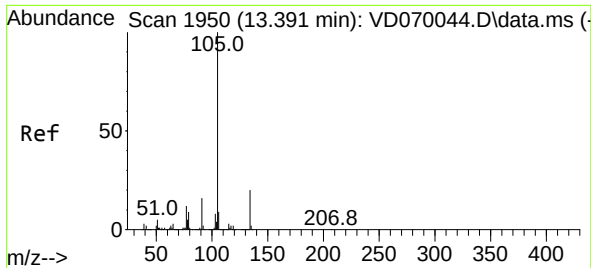
Tgt Ion: 75 Resp: 1851
Ion Ratio Lower Upper
75 100
77 0.0 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 171.526 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070230.D
Acq: 23 Aug 2021 19:42

Tgt Ion: 75 Resp: 1851
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 33.7 50.5#

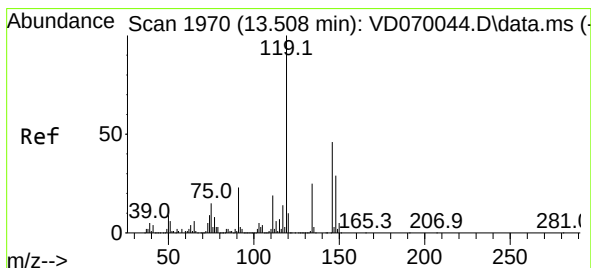
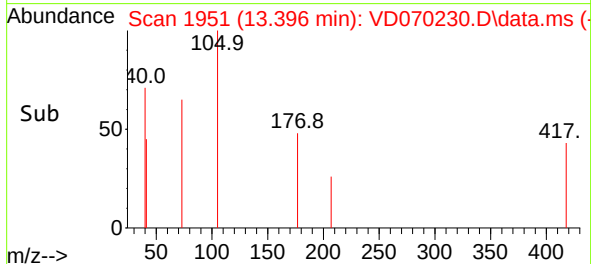
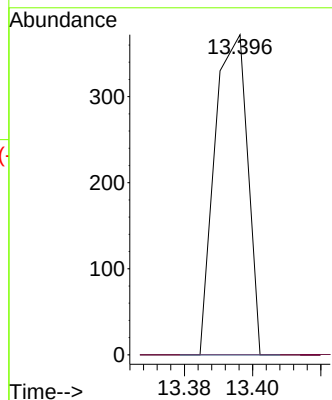
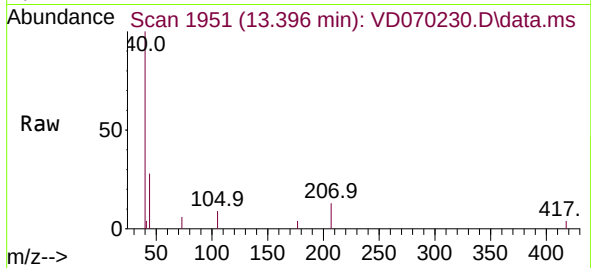




#85
 sec-Butylbenzene
 Concen: 1.111 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. 0.006 min
 Lab File: VD070230.D
 Acq: 23 Aug 2021 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-082121

Tgt Ion:105 Resp: 248
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 1.192 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.000 min
 Lab File: VD070230.D
 Acq: 23 Aug 2021 19:42

Tgt Ion:119 Resp: 215
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.8 38.3#
 91 0.0 11.6 34.8#

