

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072288.D
 Acq On : 18 Mar 2022 14:22
 Operator : VA/SY
 Sample : N1966-07
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-1-7-13-14RE

Quant Time: Mar 19 05:24:03 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)

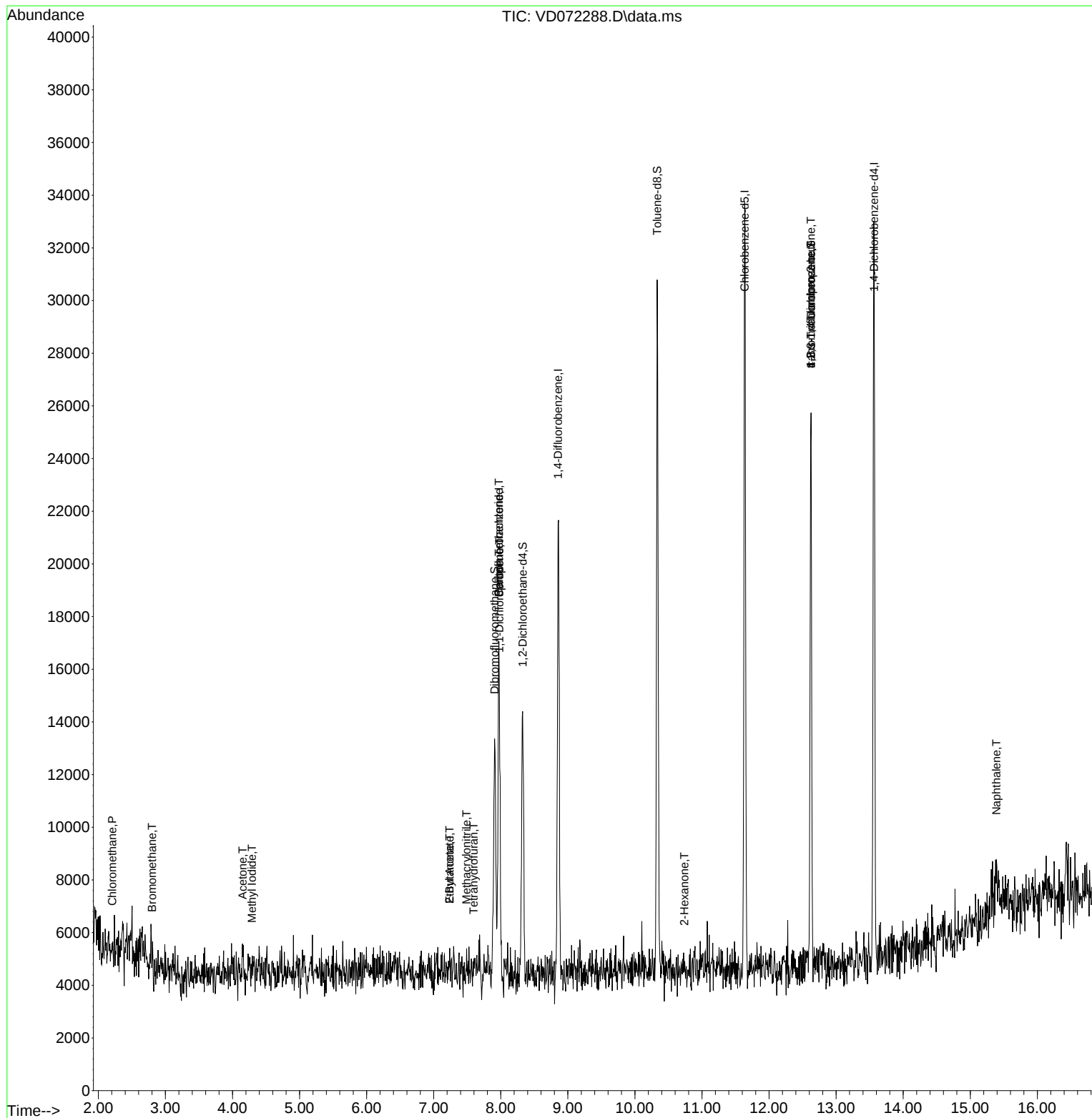
Internal Standards						
1) Pentafluorobenzene	7.973	168	9194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	15390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	8009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8052	78.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.180%			
35) Dibromofluoromethane	7.908	113	6929	63.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.960%			
50) Toluene-d8	10.332	98	17476	44.131	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.260%			
62) 4-Bromofluorobenzene	12.626	95	7276	47.287	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.580%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	427	5.651	ug/l #	40
5) Bromomethane	2.803	94	629	13.243	ug/l #	65
10) Methyl Iodide	4.291	142	105	3.293	ug/l #	38
16) Acetone	4.150	43	1401	62.976	ug/l	95
20) Methylene Chloride	4.956	84	406	Below Cal	#	32
25) 2-Butanone	7.238	43	134	4.518	ug/l #	52
29) Tetrahydrofuran	7.597	42	57	3.268	ug/l #	38
36) 1,1-Dichloropropene	7.979	75	651	4.285	ug/l #	43
37) Ethyl Acetate	7.238	43	134	2.013	ug/l #	72
38) Carbon Tetrachloride	7.973	117	1084	6.277	ug/l #	13
41) Methacrylonitrile	7.491	41	91	2.346	ug/l #	27
59) 2-Hexanone	10.738	43	58	1.238	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	3676	41.609	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	3676	103.236	ug/l #	7
95) Naphthalene	15.390	128	2055	6.898	ug/l #	73

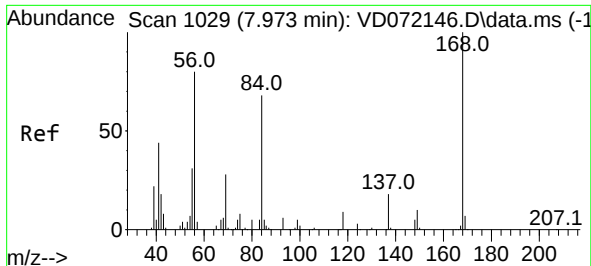
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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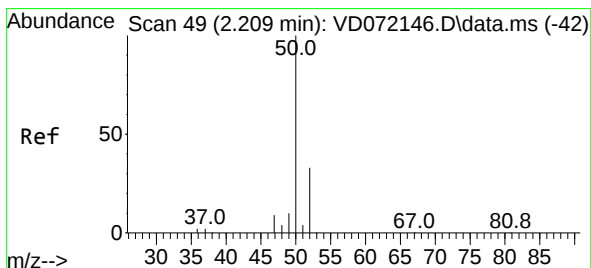
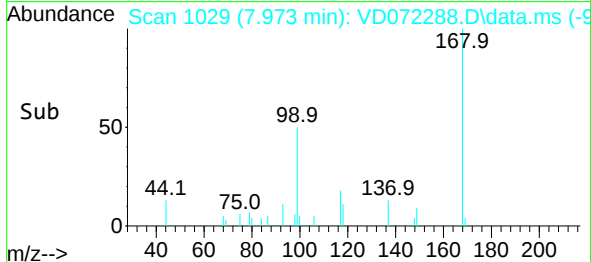
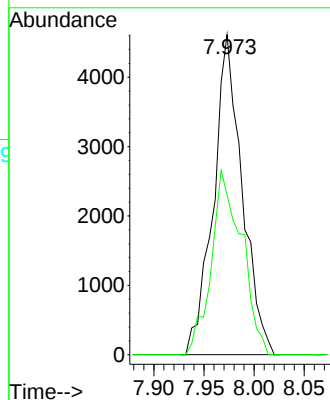
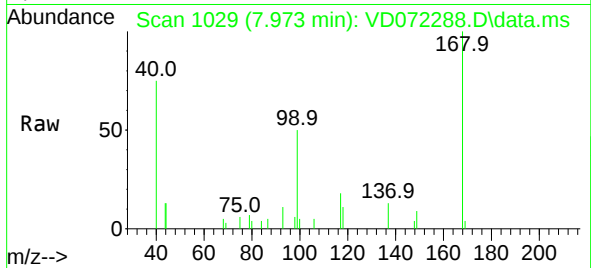




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

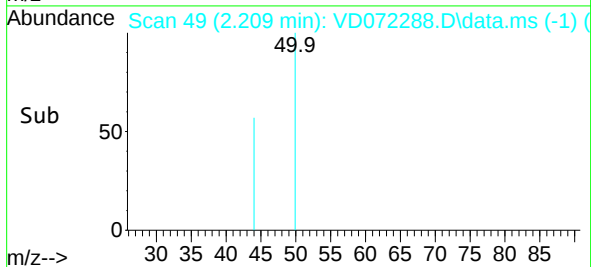
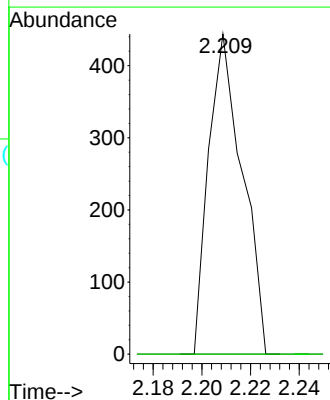
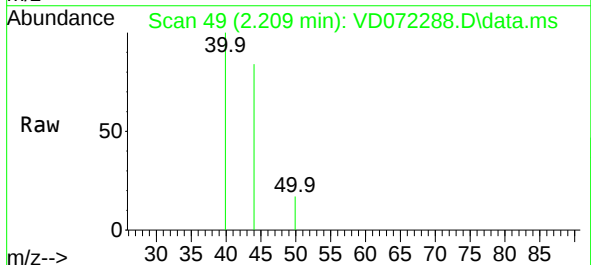
Instrument :
MSVOA_D
ClientSampleId :
G-1-7-13-14RE

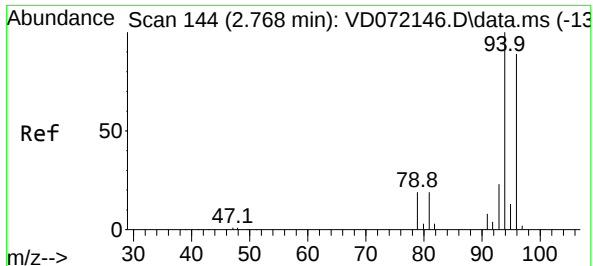
Tgt Ion:168 Resp: 9194
Ion Ratio Lower Upper
168 100
99 49.9 49.8 74.6



#3
Chloromethane
Concen: 5.651 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#





#5

Bromomethane

Concen: 13.243 ug/l

RT: 2.803 min Scan# 11

Delta R.T. 0.035 min

Lab File: VD072288.D

Acq: 18 Mar 2022 14:22

Instrument :

MSVOA_D

ClientSampleId :

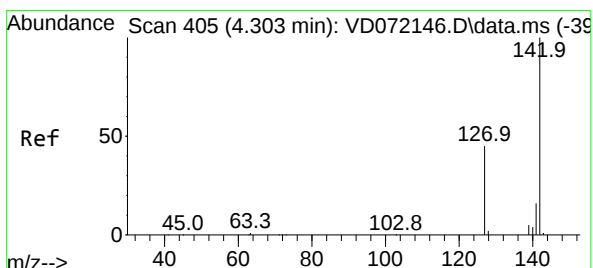
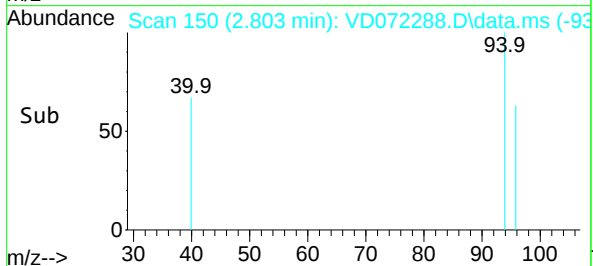
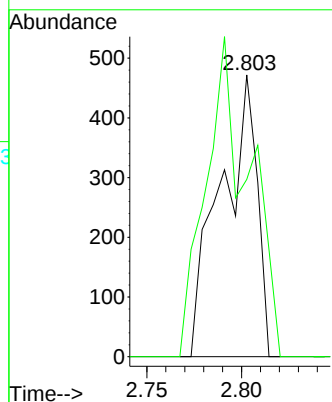
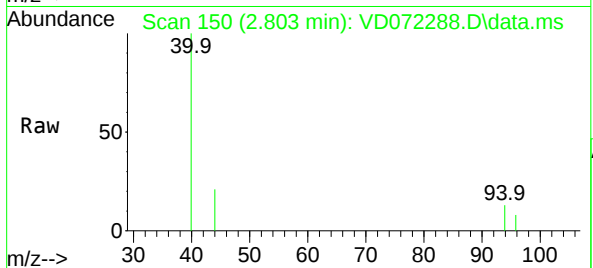
G-1-7-13-14RE

Tgt Ion: 94 Resp: 629

Ion Ratio Lower Upper

94 100

96 62.9 77.6 116.4#



#10

Methyl Iodide

Concen: 3.293 ug/l

RT: 4.291 min Scan# 403

Delta R.T. -0.012 min

Lab File: VD072288.D

Acq: 18 Mar 2022 14:22

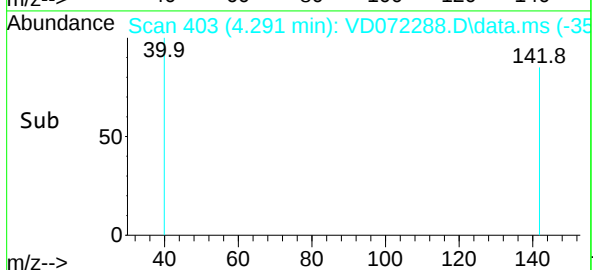
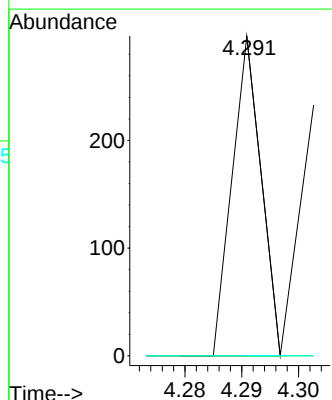
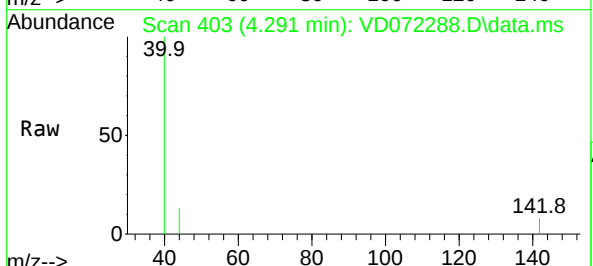
Tgt Ion:142 Resp: 105

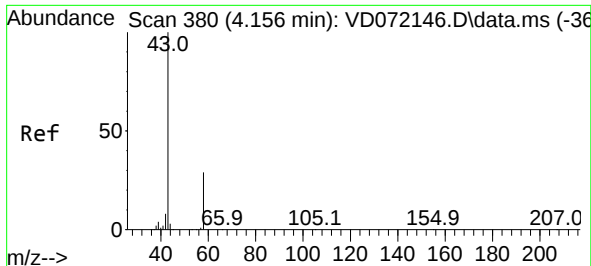
Ion Ratio Lower Upper

142 100

127 0.0 37.3 55.9#

141 0.0 11.7 17.5#

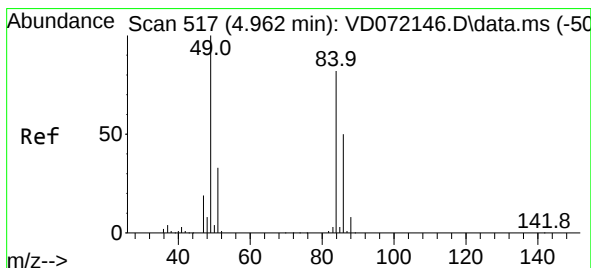
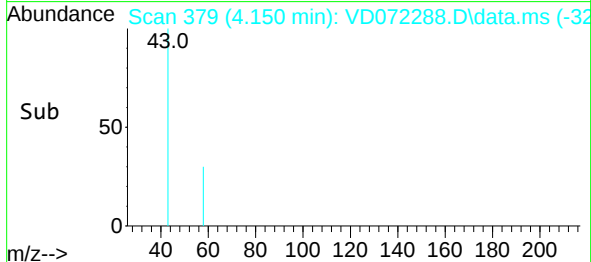
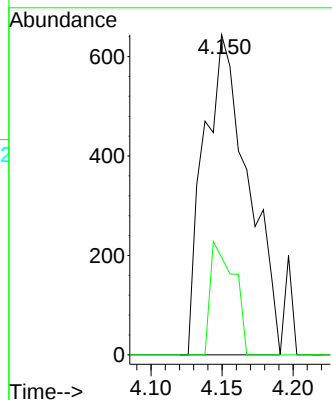
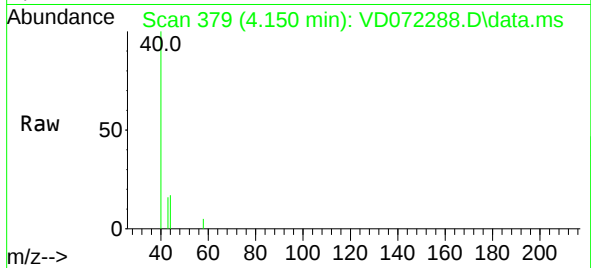




#16
Acetone
Concen: 62.976 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

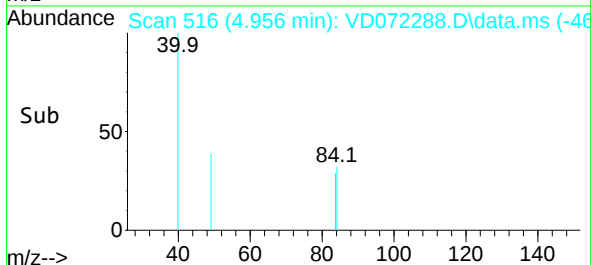
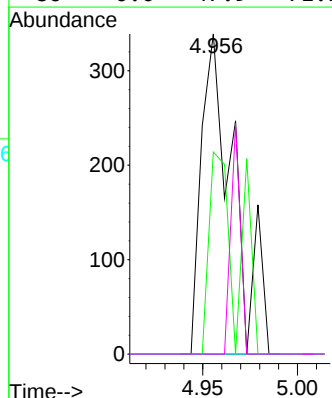
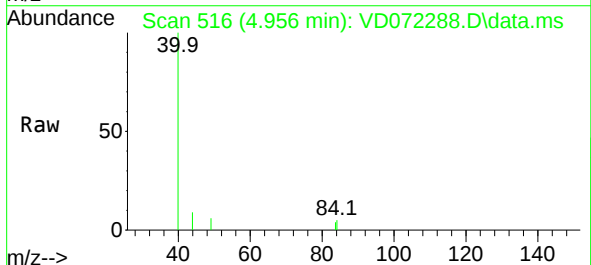
Instrument :
MSVOA_D
ClientSampleId :
G-1-7-13-14RE

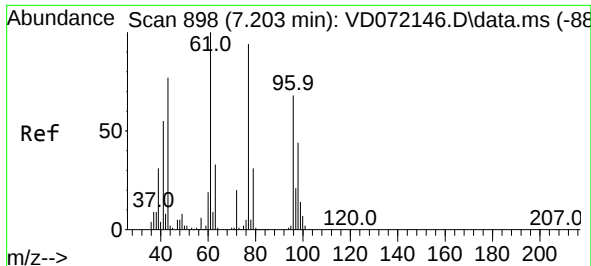
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 30.4 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

Tgt Ion: 84 Resp: 406
Ion Ratio Lower Upper
84 100
49 63.1 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#





#25

2-Butanone

Concen: 4.518 ug/l

RT: 7.238 min Scan# 904

Delta R.T. 0.035 min

Lab File: VD072288.D

Acq: 18 Mar 2022 14:22

Instrument :

MSVOA_D

ClientSampleId :

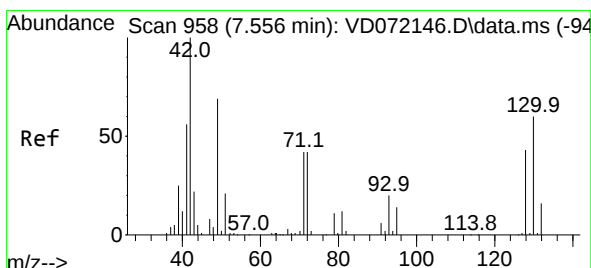
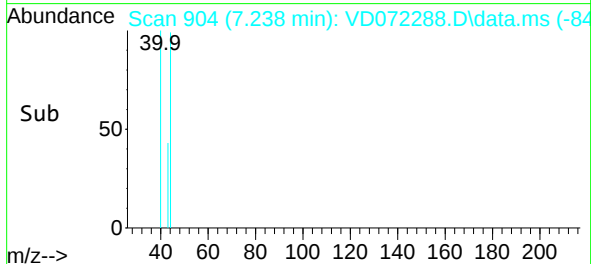
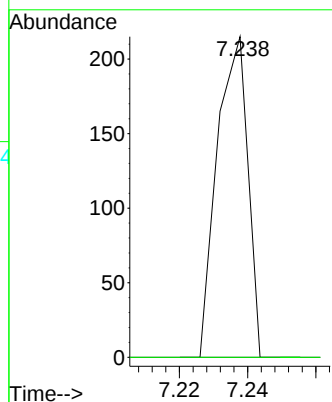
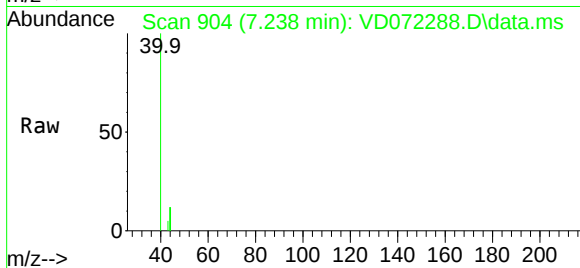
G-1-7-13-14RE

Tgt Ion: 43 Resp: 134

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 3.268 ug/l

RT: 7.597 min Scan# 965

Delta R.T. 0.041 min

Lab File: VD072288.D

Acq: 18 Mar 2022 14:22

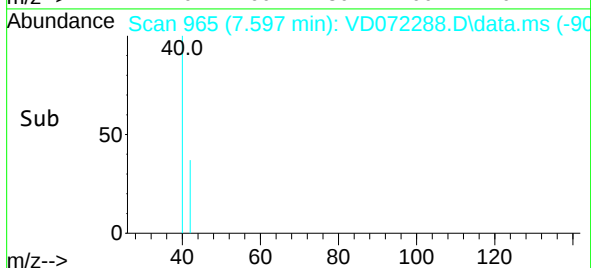
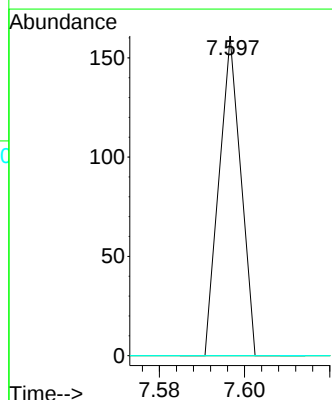
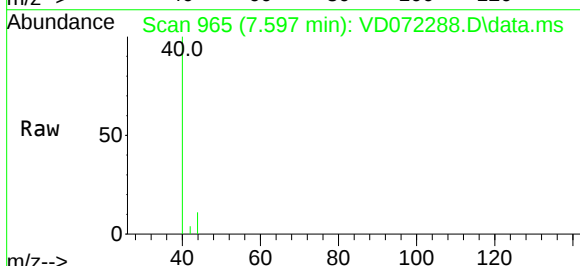
Tgt Ion: 42 Resp: 57

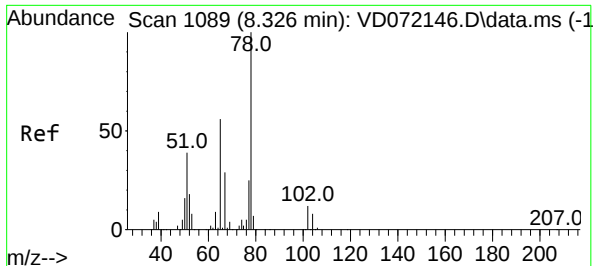
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 78.585 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD072288.D

Acq: 18 Mar 2022 14:22

Instrument :

MSVOA_D

ClientSampleId :

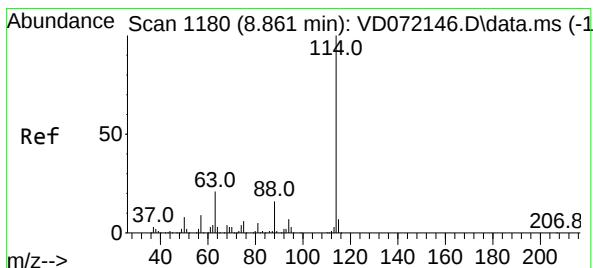
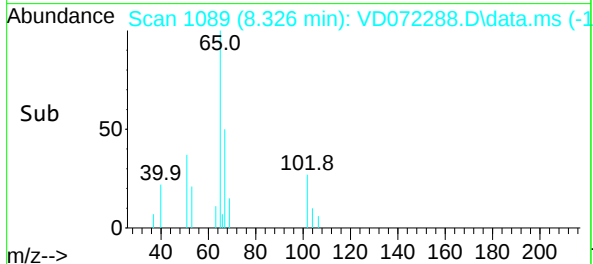
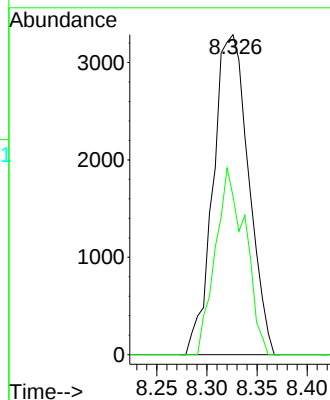
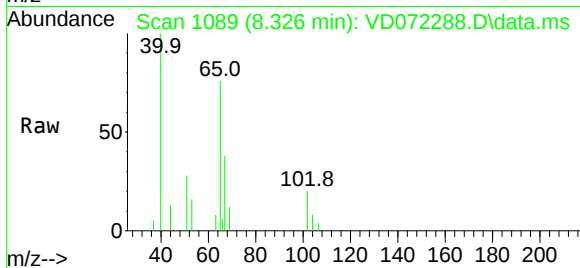
G-1-7-13-14RE

Tgt Ion: 65 Resp: 8052

Ion Ratio Lower Upper

65 100

67 49.3 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: VD072288.D

Acq: 18 Mar 2022 14:22

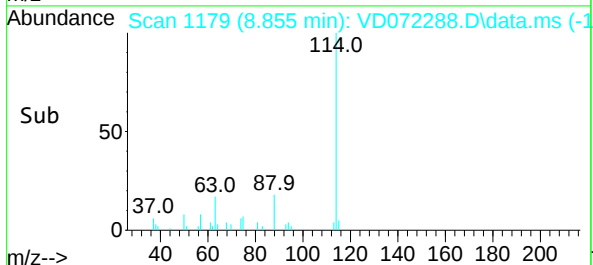
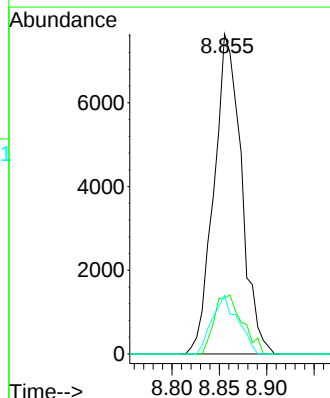
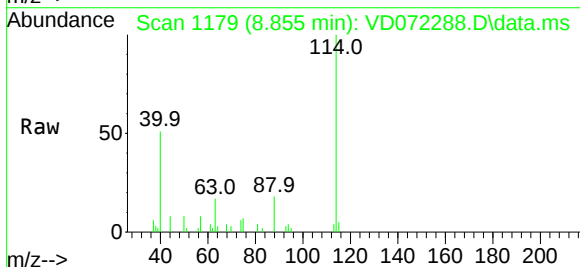
Tgt Ion: 114 Resp: 15390

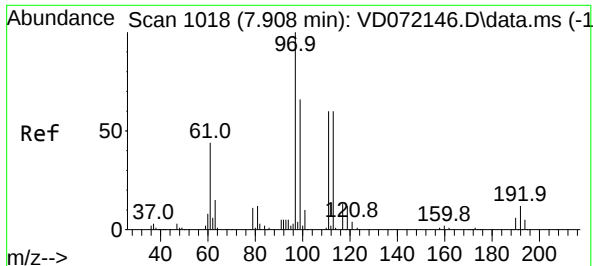
Ion Ratio Lower Upper

114 100

63 17.5 0.0 46.6

88 18.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 63.979 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072288.D

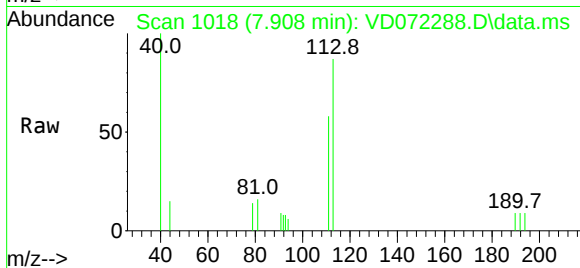
Acq: 18 Mar 2022 14:22

Instrument :

MSVOA_D

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G-1-7-13-14RE



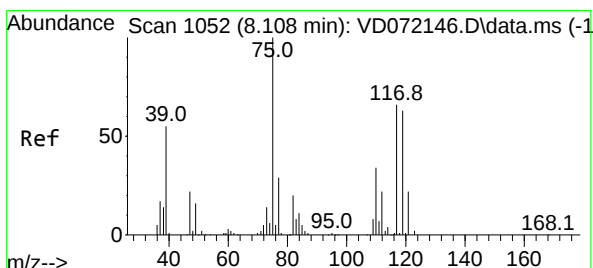
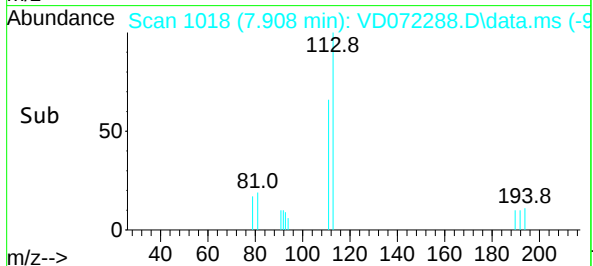
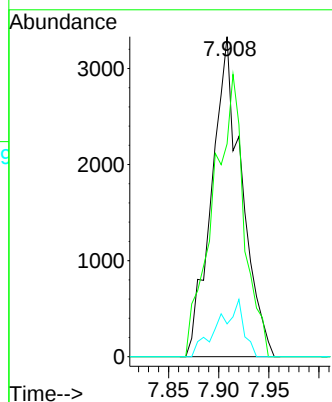
Tgt Ion:113 Resp: 6929

Ion Ratio Lower Upper

113 100

111 91.3 83.8 125.6

192 15.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.285 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD072288.D

Acq: 18 Mar 2022 14:22

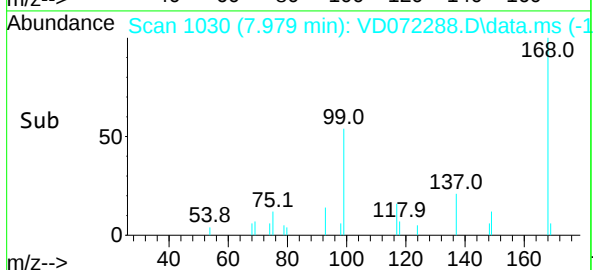
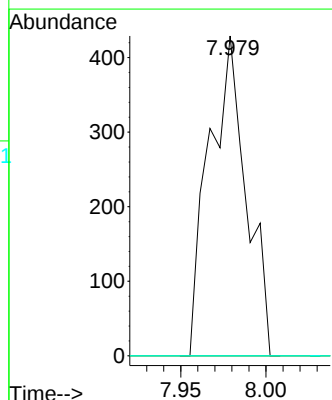
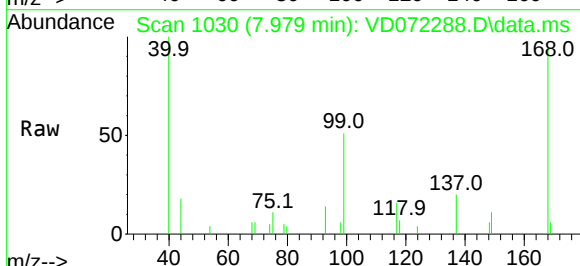
Tgt Ion: 75 Resp: 651

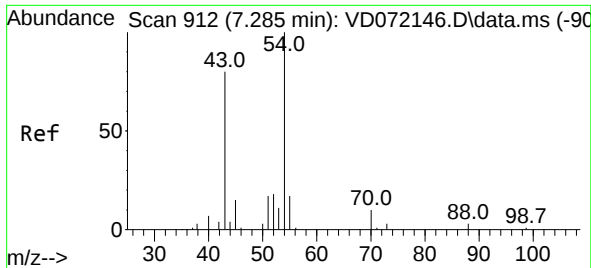
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#

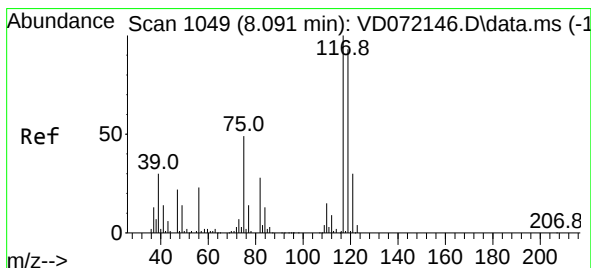
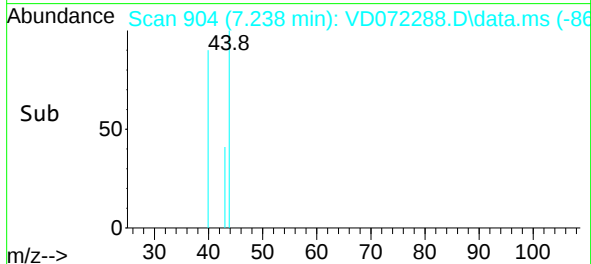
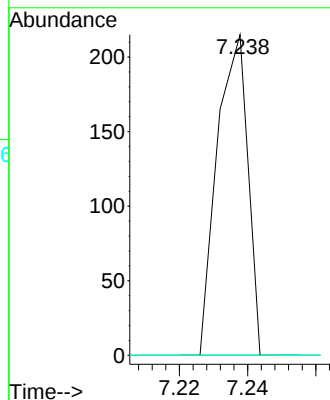
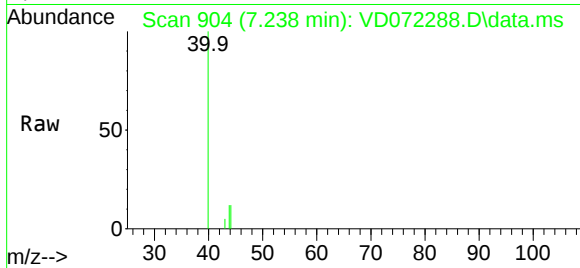




#37
Ethyl Acetate
Concen: 2.013 ug/l
RT: 7.238 min Scan# 904
Delta R.T. -0.047 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

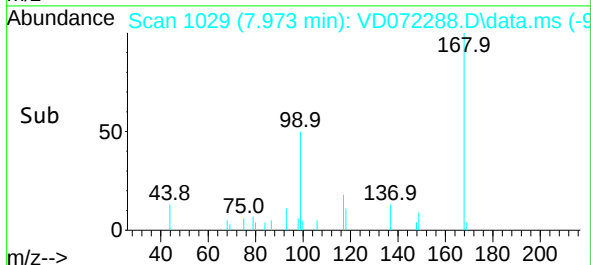
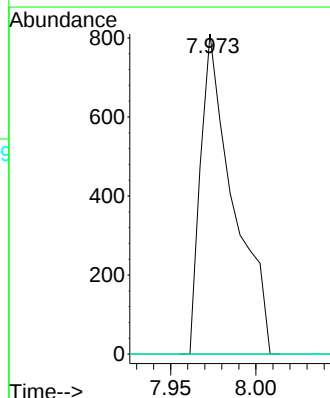
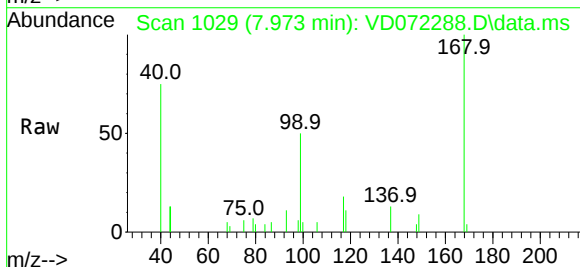
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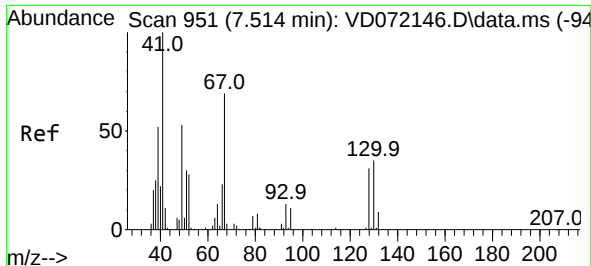
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

Tgt Ion: 117 Resp: 1084
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

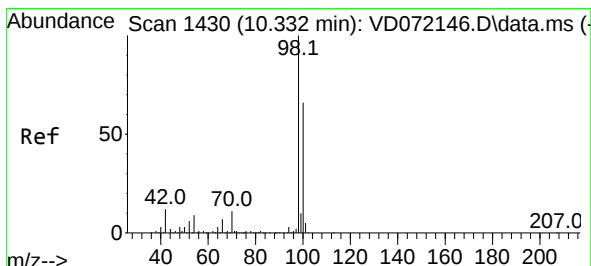
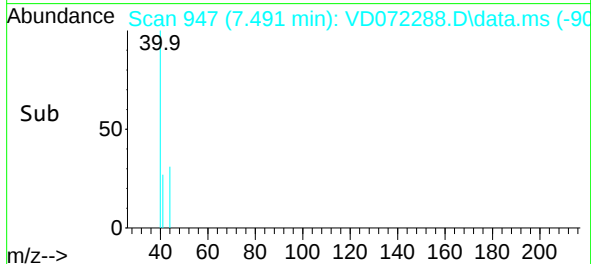
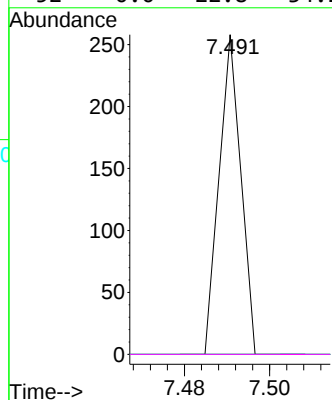
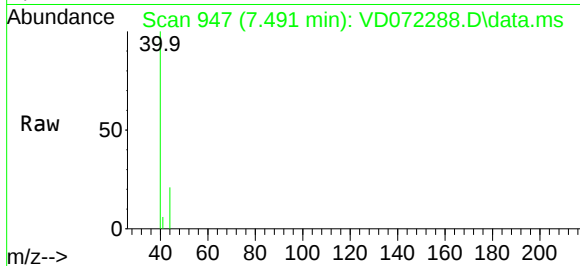




#41
Methacrylonitrile
Concen: 2.346 ug/l
RT: 7.491 min Scan# 941
Delta R.T. -0.024 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

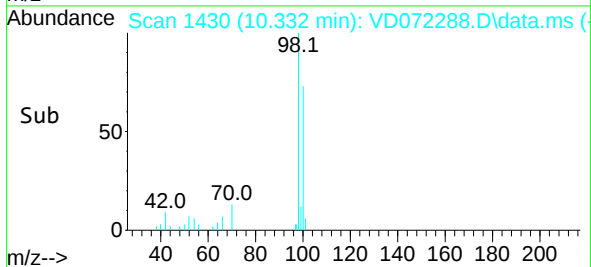
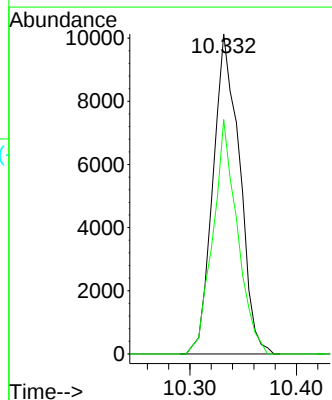
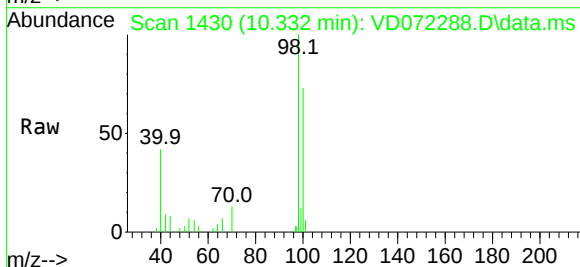
Instrument :
MSVOA_D
ClientSampleId :
G-1-7-13-14RE

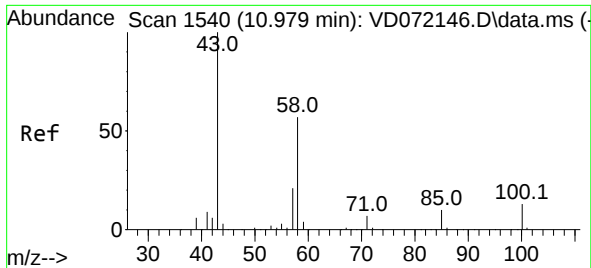
Tgt Ion:	41	Resp:	91
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#50
Toluene-d8
Concen: 44.131 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

Tgt Ion:	98	Resp:	17476
Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.4	78.6

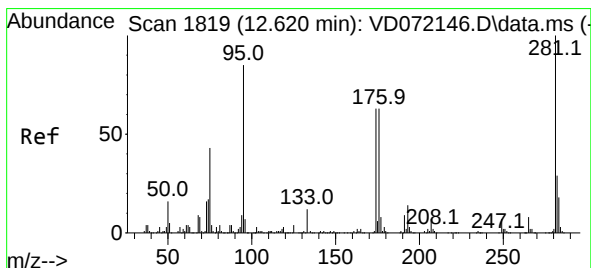
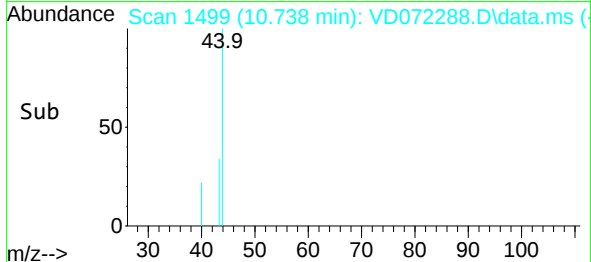
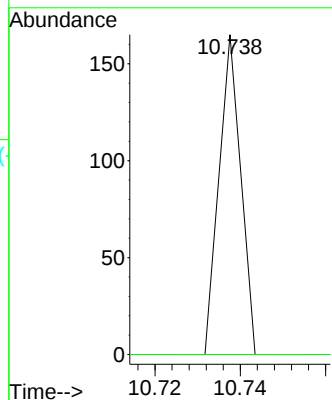
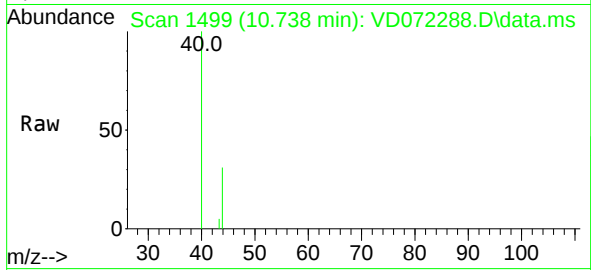




#59
2-Hexanone
Concen: 1.238 ug/l
RT: 10.738 min Scan# 14
Delta R.T. -0.241 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

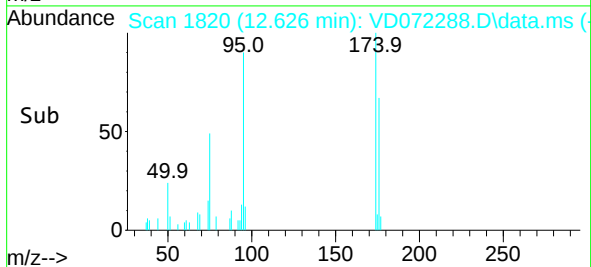
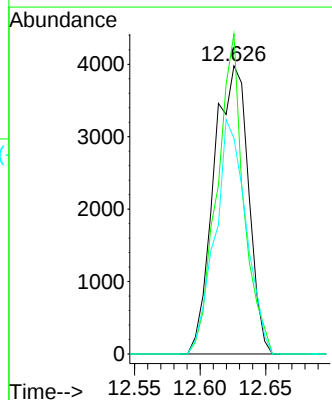
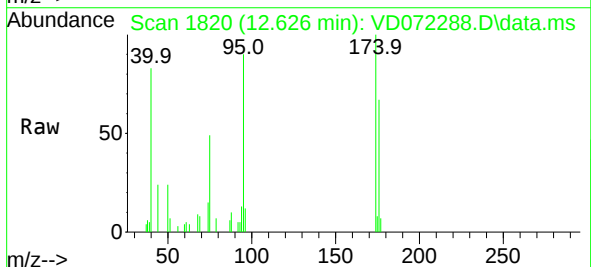
Instrument :
MSVOA_D
ClientSampleId :
G-1-7-13-14RE

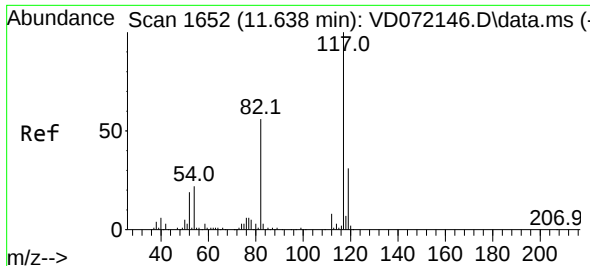
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 47.287 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

Tgt Ion: 95 Resp: 7276
Ion Ratio Lower Upper
95 100
174 85.5 0.0 152.8
176 73.1 0.0 145.4

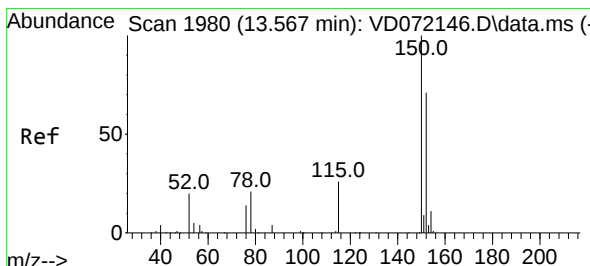
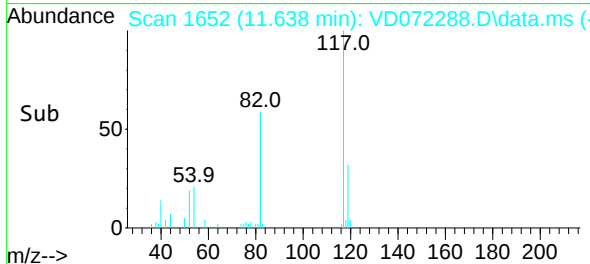
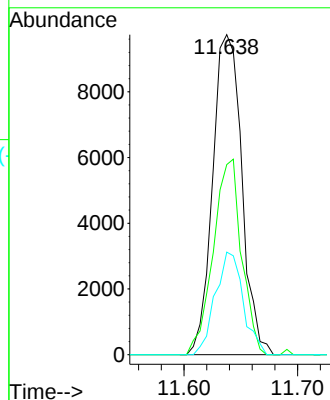
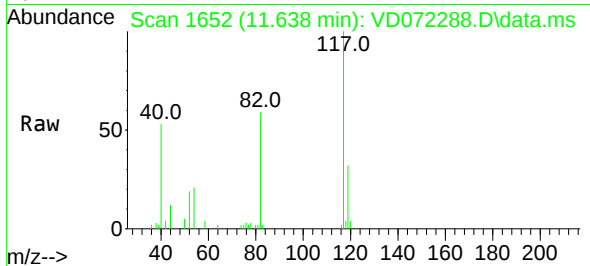




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

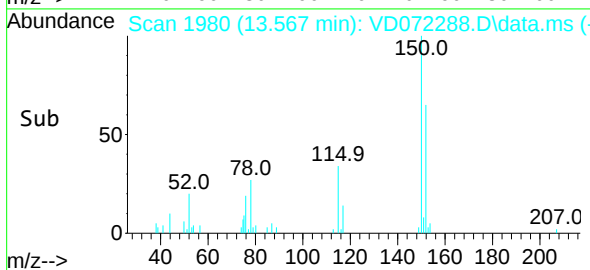
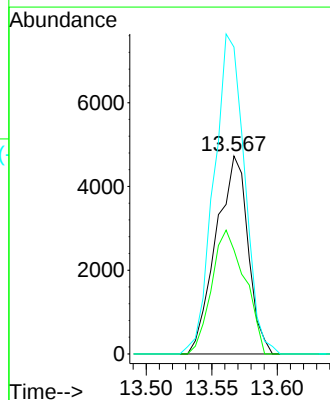
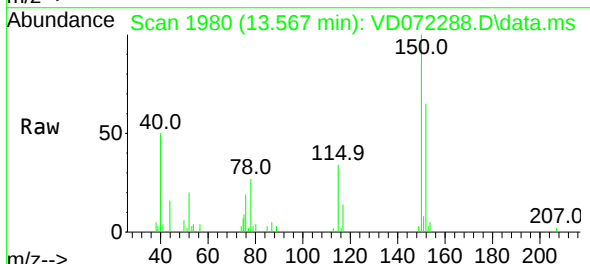
Instrument :
MSVOA_D
ClientSampleId :
G-1-7-13-14RE

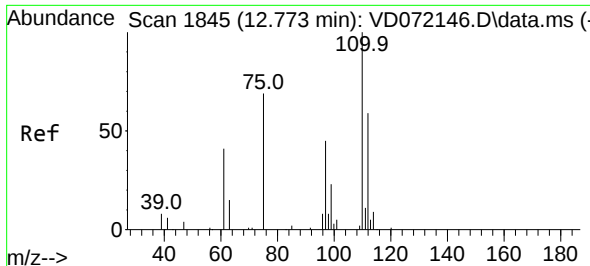
Tgt Ion:117	Resp:	17364
Ion	Ratio	Lower Upper
117	100	
82	59.4	45.3 67.9
119	32.0	26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

Tgt Ion:152	Resp:	8009
Ion	Ratio	Lower Upper
152	100	
115	64.9	31.3 93.8
150	155.1	0.0 348.6

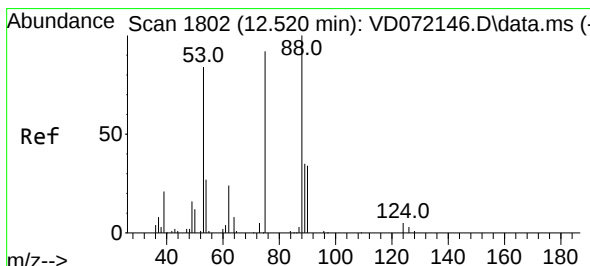
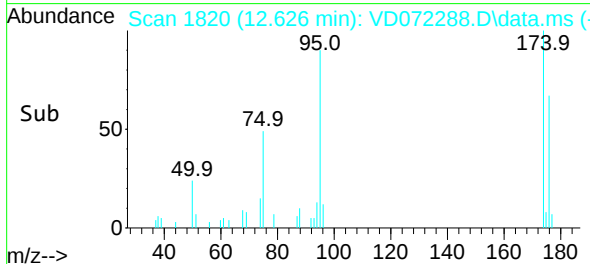
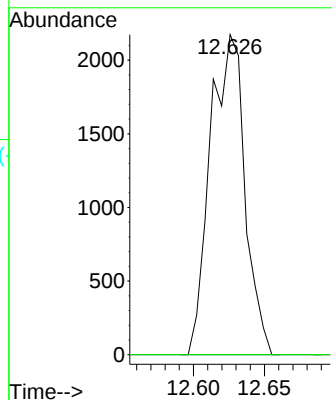
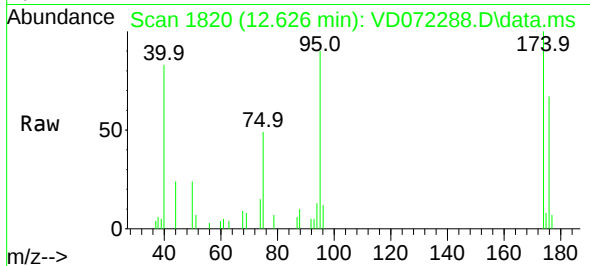




#76
1,2,3-Trichloropropane
Concen: 41.609 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

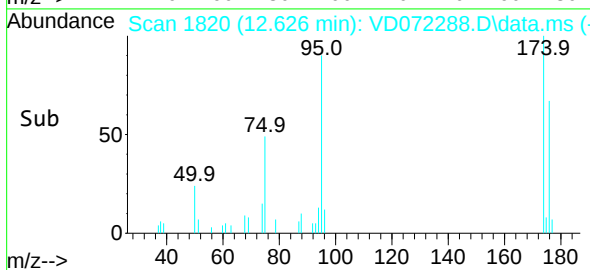
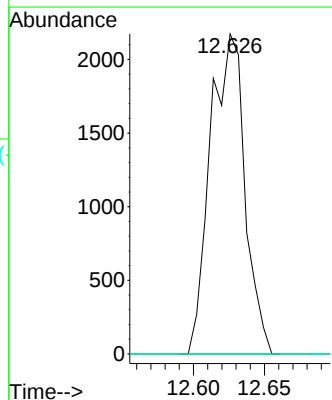
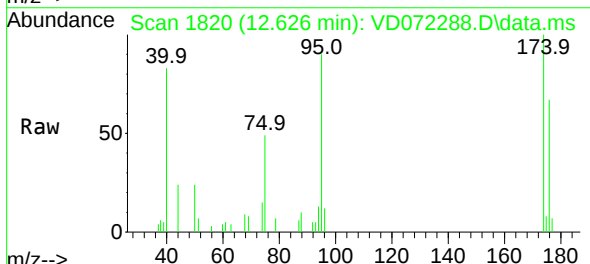
Instrument :
MSVOA_D
ClientSampleId :
G-1-7-13-14RE

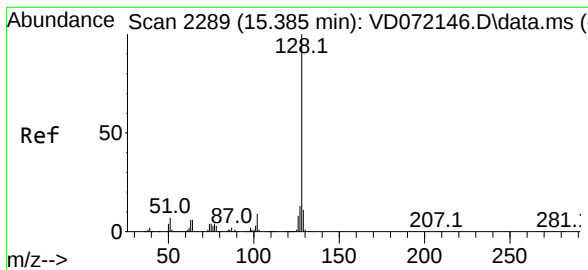
Tgt Ion: 75 Resp: 3676
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 103.236 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072288.D
Acq: 18 Mar 2022 14:22

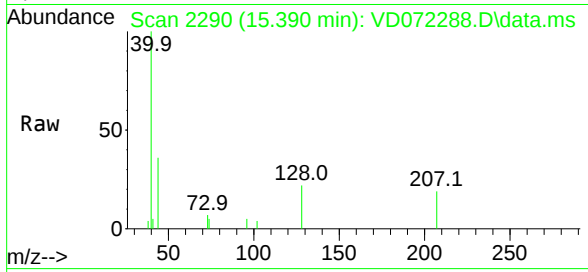
Tgt Ion: 75 Resp: 3676
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
 Naphthalene
 Concen: 6.898 ug/l
 RT: 15.390 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD072288.D
 Acq: 18 Mar 2022 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 G-1-7-13-14RE



Tgt Ion:	128	Resp:	2055
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	3.3	8.4	12.6#

