

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011222\
 Data File : VD071693.D
 Acq On : 12 Jan 2022 18:26
 Operator : VA/SY
 Sample : N1106-13
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SO-A4-A41-02-6

Quant Time: Jan 13 05:30:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

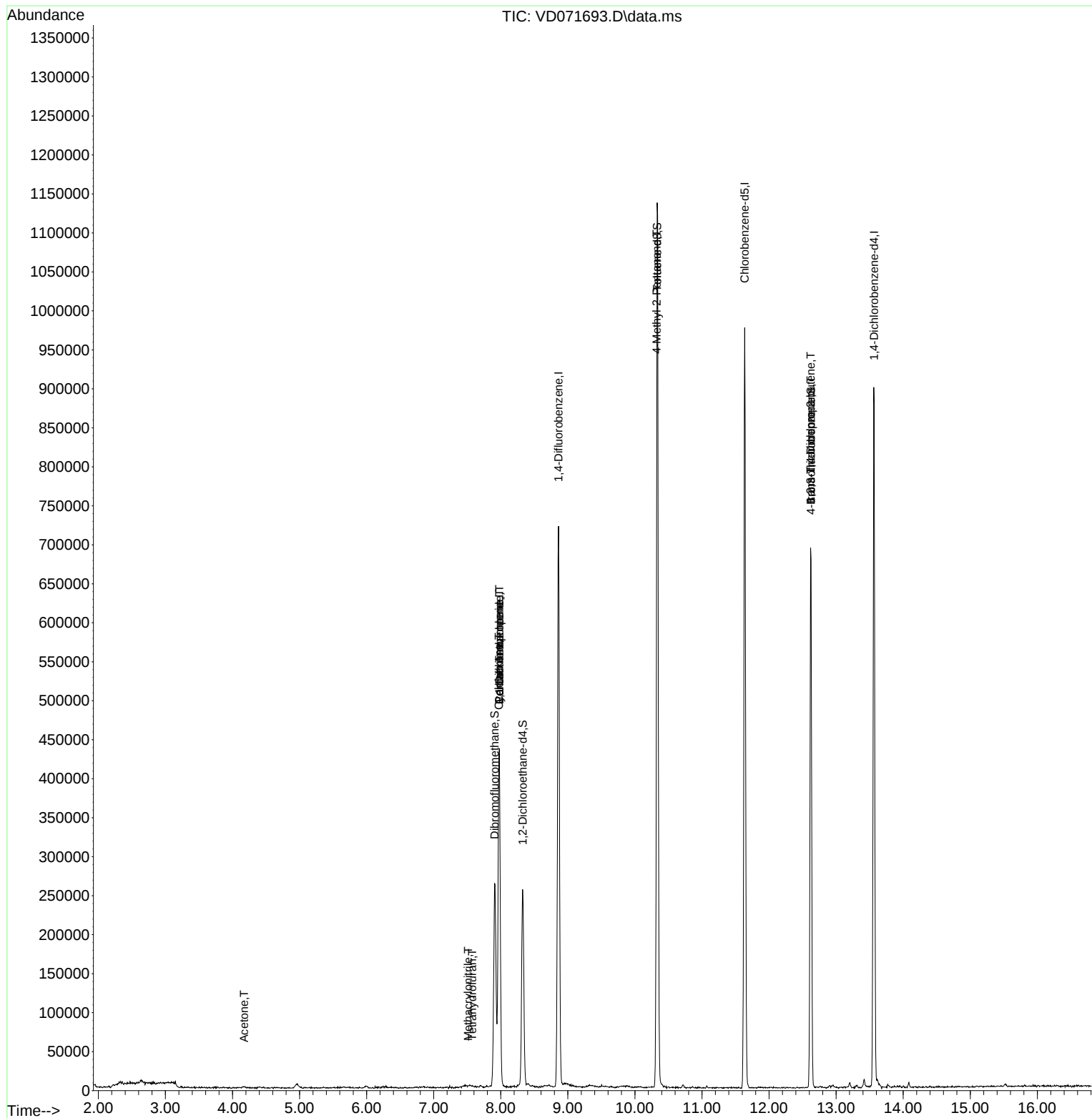
Internal Standards						
1) Pentafluorobenzene	7.979	168	305326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	565607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	505811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	215871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	202733	51.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.200%	
35) Dibromofluoromethane	7.908	113	183916	49.202	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.400%	
50) Toluene-d8	10.332	98	731202	52.257	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.520%	
62) 4-Bromofluorobenzene	12.626	95	214784	43.562	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.120%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	72	Below Cal	#	43
3) Chloromethane	2.215	50	459	Below Cal	#	43
5) Bromomethane	2.756	94	149	Below Cal	#	4
11) Tert butyl alcohol	5.220	59	53	Below Cal	#	75
16) Acetone	4.173	43	1923	2.120	ug/l #	61
18) Methyl Acetate	4.703	43	82	Below Cal	#	56
20) Methylene Chloride	4.967	84	4373	Below Cal	#	43
29) Tetrahydrofuran	7.573	42	634	1.028	ug/l #	49
31) Cyclohexane	7.973	56	9374	2.034	ug/l #	29
36) 1,1-Dichloropropene	7.979	75	28624	5.368	ug/l #	50
38) Carbon Tetrachloride	7.979	117	33483	6.201	ug/l #	19
41) Methacrylonitrile	7.514	41	78	1.180	ug/l #	25
51) 4-Methyl-2-Pentanone	10.326	43	4987	2.027	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	126197	60.500	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126197	168.666	ug/l #	3

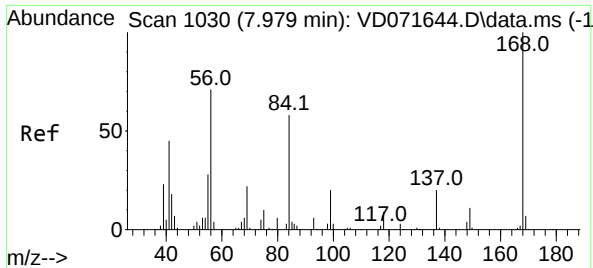
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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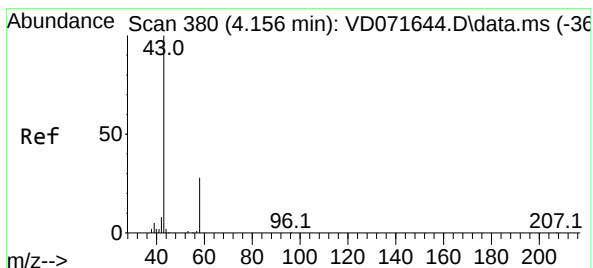
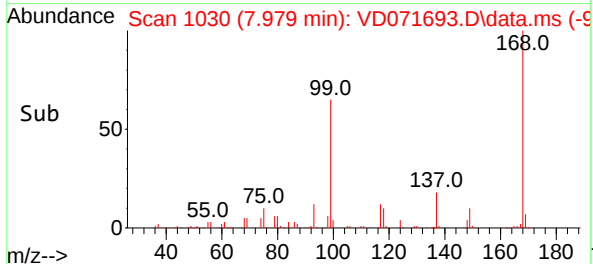
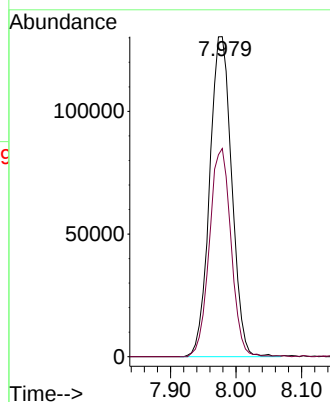
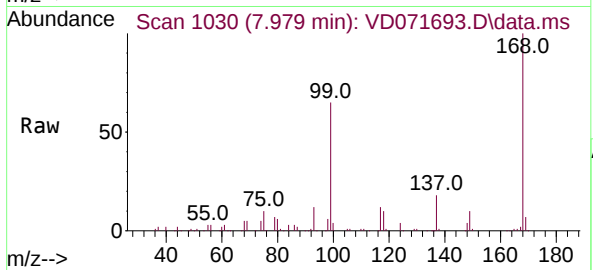




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

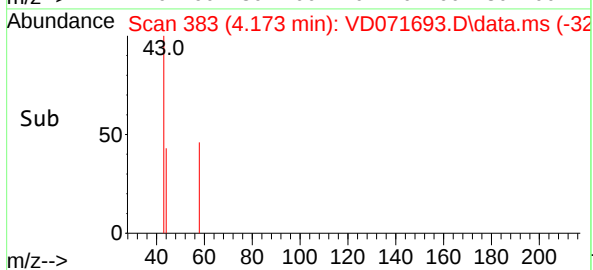
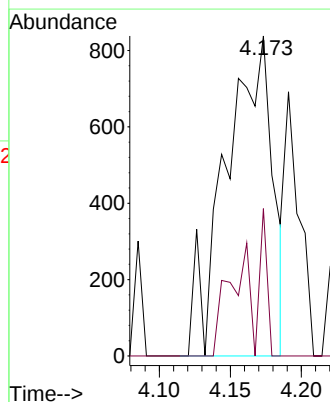
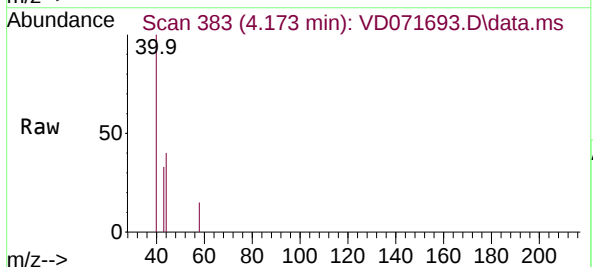
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-02-6

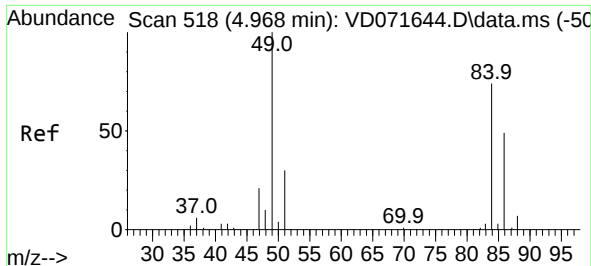
Tgt Ion:168 Resp: 305326
Ion Ratio Lower Upper
168 100
99 65.0 51.8 77.6



#16
Acetone
Concen: 2.120 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Tgt Ion: 43 Resp: 1923
Ion Ratio Lower Upper
43 100
58 46.1 21.0 31.6#

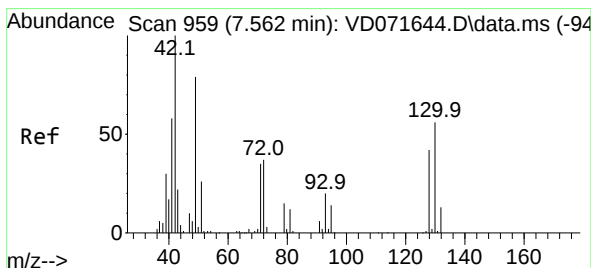
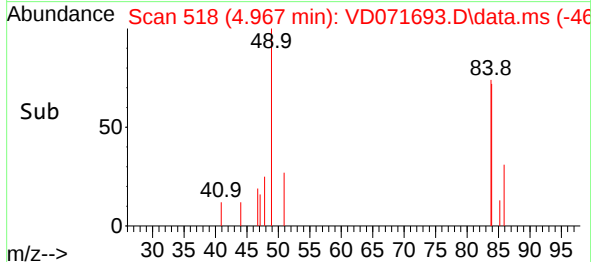
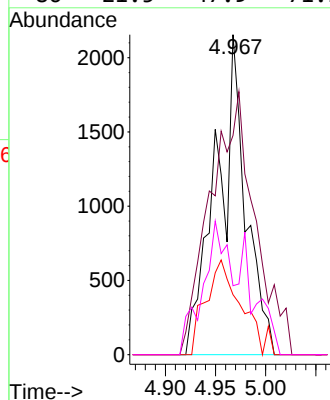
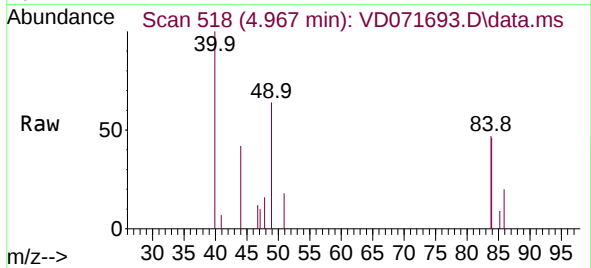




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

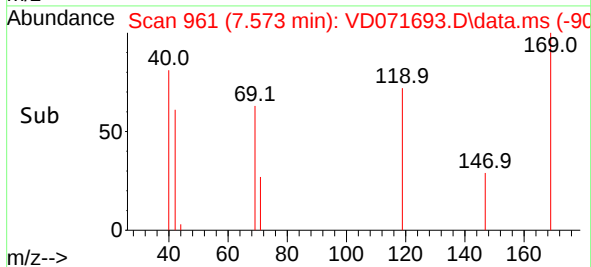
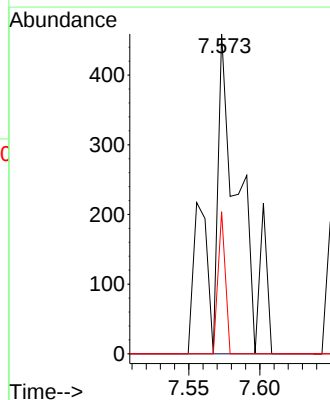
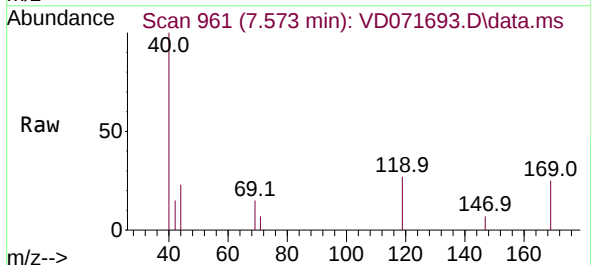
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-02-6

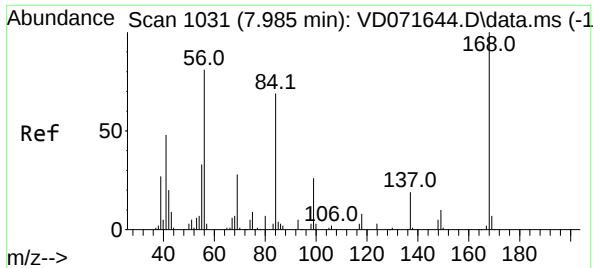
Tgt Ion:	84	Resp:	4373
Ion	Ratio	Lower	Upper
84	100		
49	68.5	118.6	178.0#
51	18.7	37.8	56.6#
86	21.5	47.9	71.9#



#29
Tetrahydrofuran
Concen: 1.028 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Tgt Ion:	42	Resp:	634
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.6	44.4#
71	11.4	27.3	40.9#

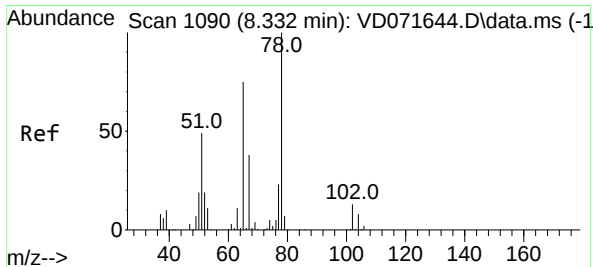
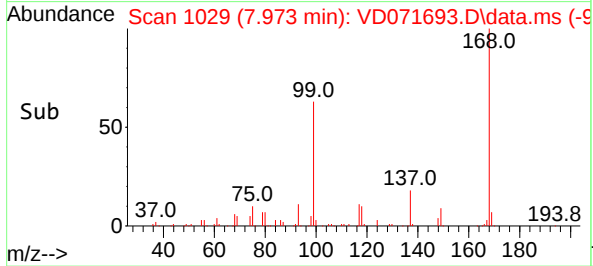
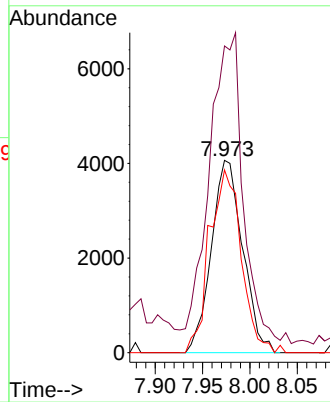
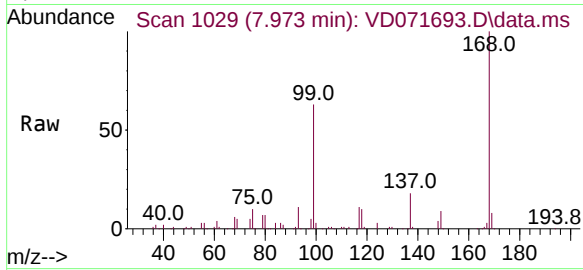




#31
Cyclohexane
Concen: 2.034 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.017 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

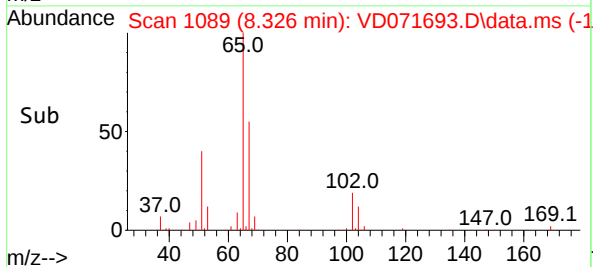
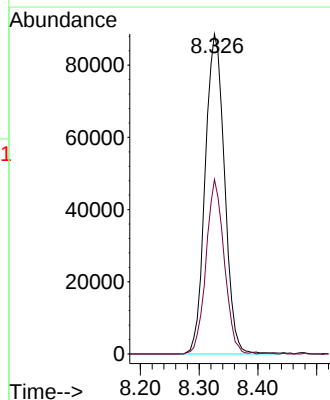
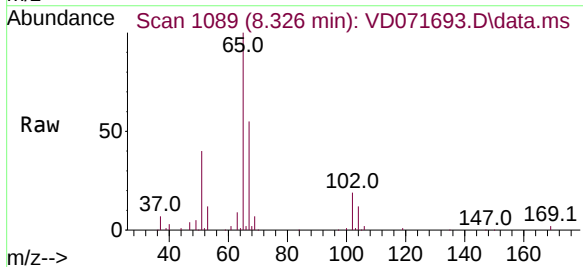
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-02-6

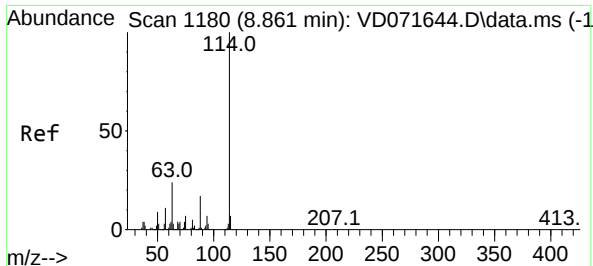
Tgt Ion: 56 Resp: 9374
Ion Ratio Lower Upper
56 100
69 153.1 21.7 32.5#
84 95.0 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 51.603 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Tgt Ion: 65 Resp: 202733
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071693.D

Acq: 12 Jan 2022 18:26

Instrument :

MSVOA_D

ClientSampleId :

SO-A4-A41-02-6

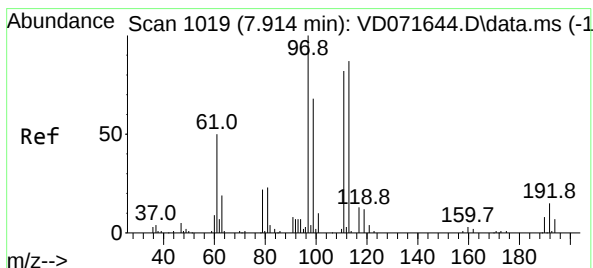
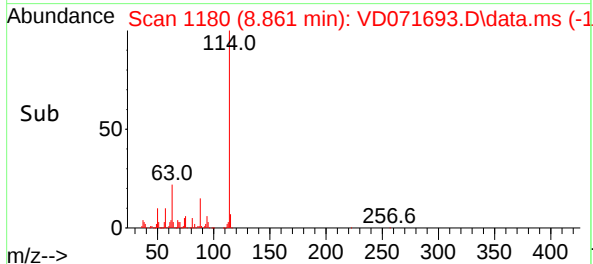
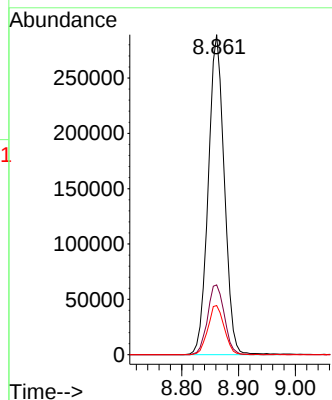
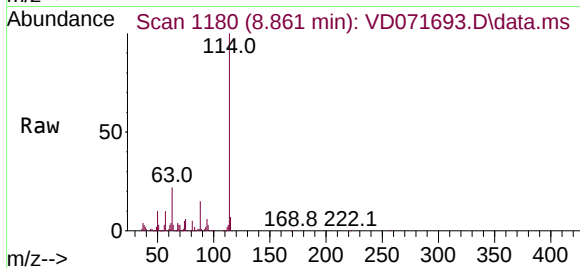
Tgt Ion:114 Resp: 565607

Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.2

88 15.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.202 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071693.D

Acq: 12 Jan 2022 18:26

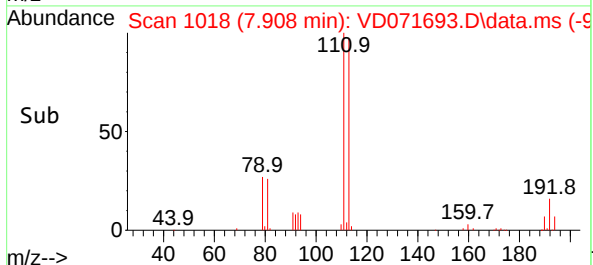
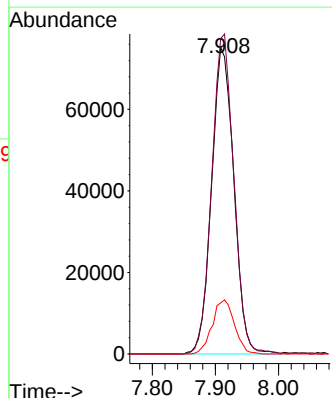
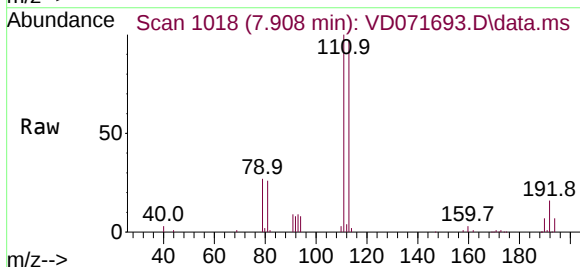
Tgt Ion:113 Resp: 183916

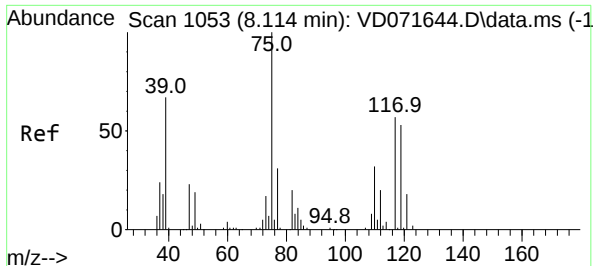
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071693.D

Acq: 12 Jan 2022 18:26

Instrument :

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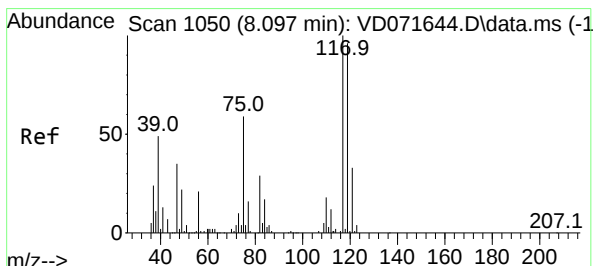
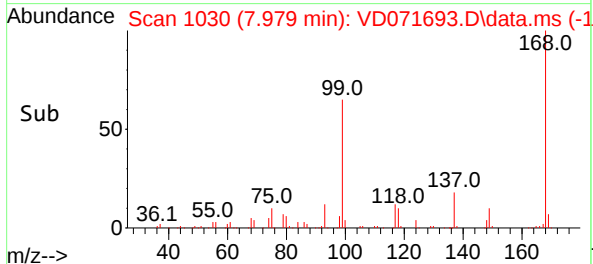
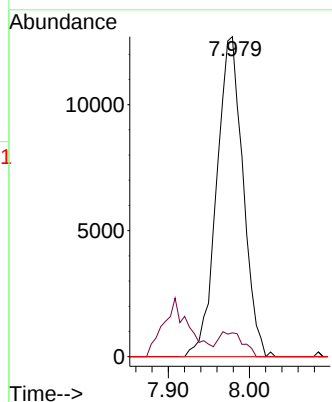
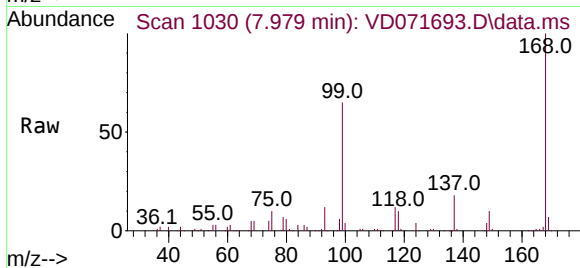
Tgt Ion: 75 Resp: 28624

Ion Ratio Lower Upper

75 100

110 7.1 16.0 48.0#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.201 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.117 min

Lab File: VD071693.D

Acq: 12 Jan 2022 18:26

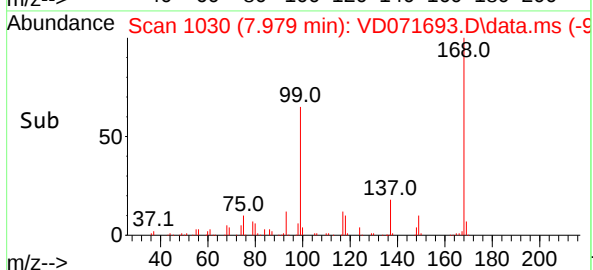
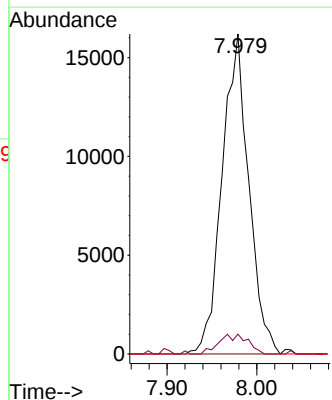
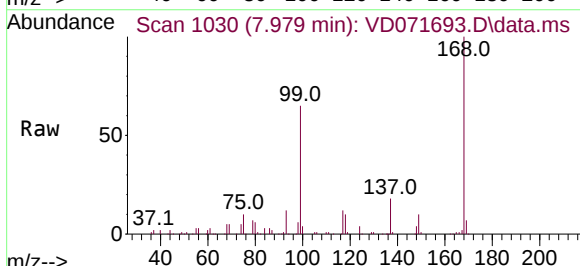
Tgt Ion: 117 Resp: 33483

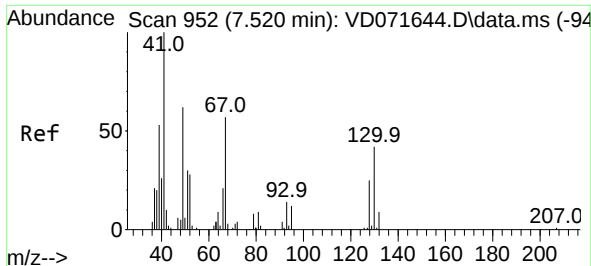
Ion Ratio Lower Upper

117 100

119 6.2 73.4 110.2#

121 0.0 23.9 35.9#

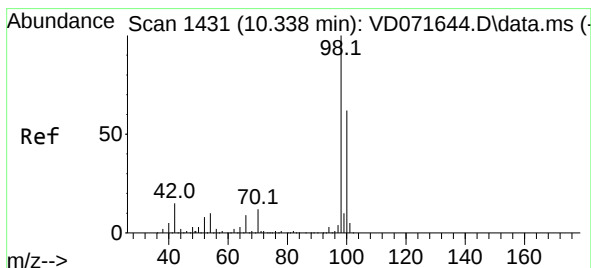
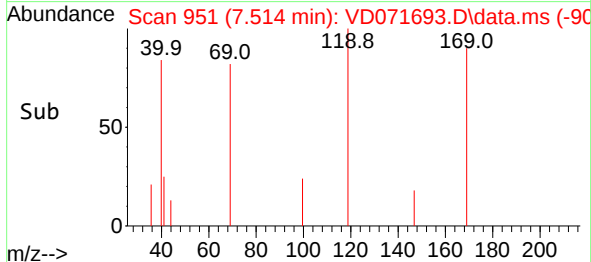
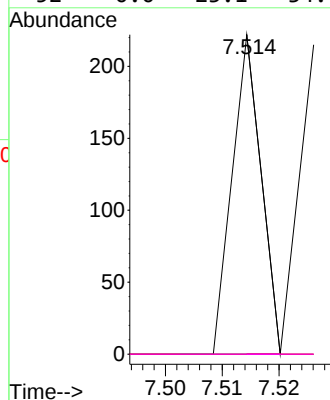
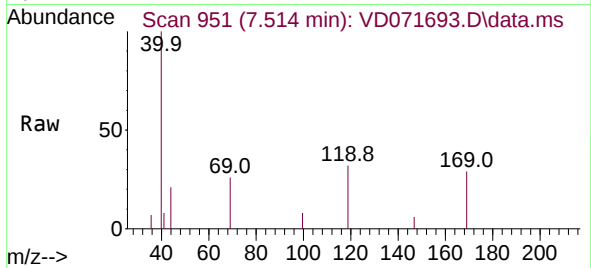




#41
Methacrylonitrile
Concen: 1.180 ug/l
RT: 7.514 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

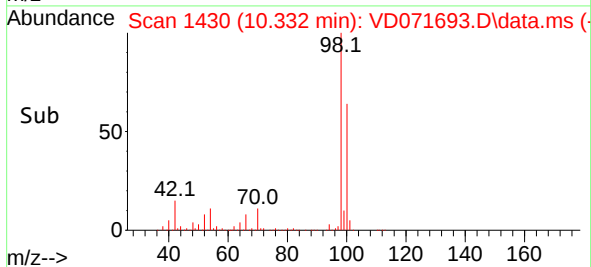
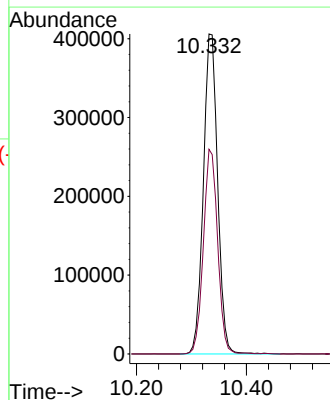
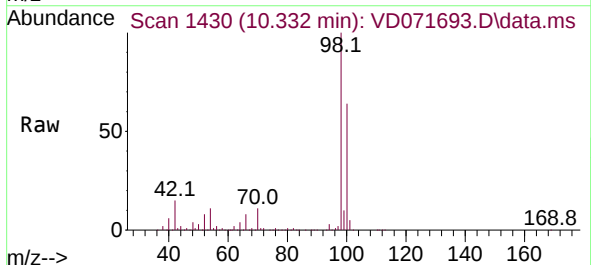
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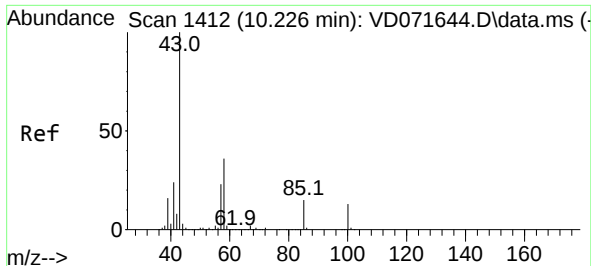
Tgt Ion: 41	Resp: 78
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#50
Toluene-d8
Concen: 52.257 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Tgt Ion: 98	Resp: 731202
Ion Ratio	Lower Upper
98 100	
100 63.9	52.1 78.1

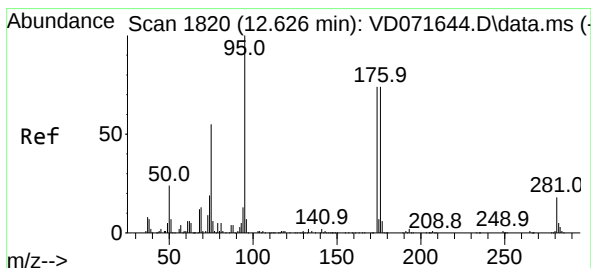
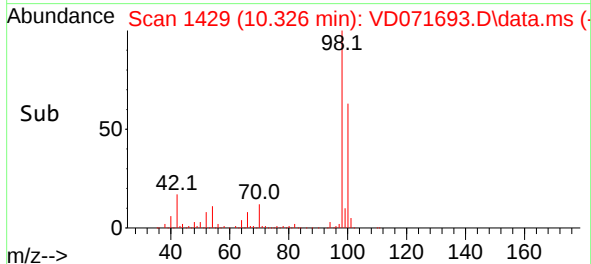
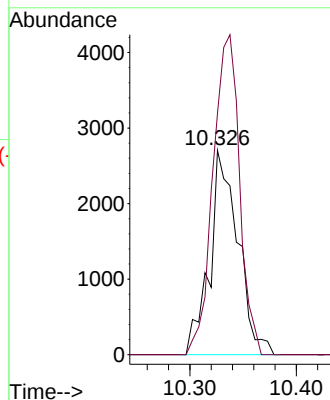
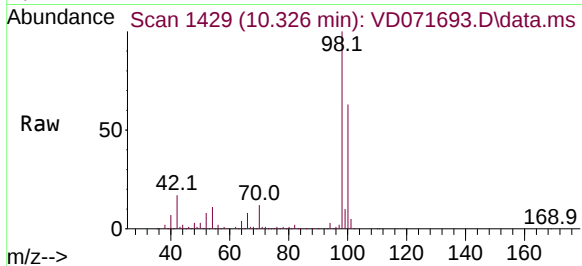




#51
4-Methyl-2-Pentanone
Concen: 2.027 ug/l
RT: 10.326 min Scan# 1412
Delta R.T. 0.100 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

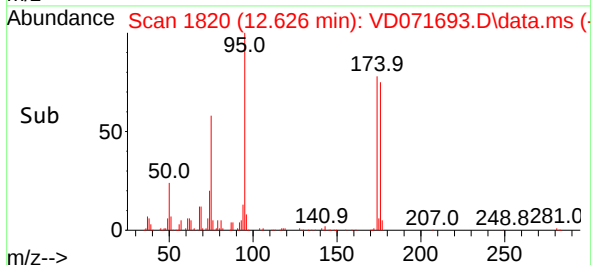
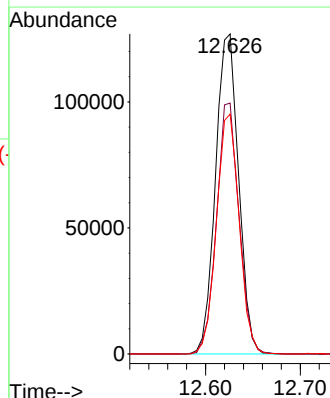
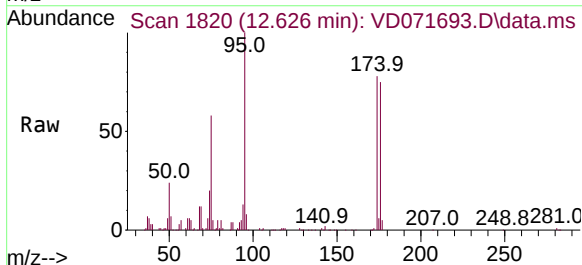
Instrument :
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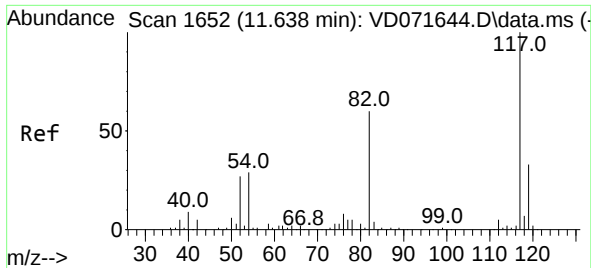
Tgt Ion: 43 Resp: 4987
Ion Ratio Lower Upper
43 100
58 147.1 28.2 42.2#



#62
4-Bromofluorobenzene
Concen: 43.562 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Tgt Ion: 95 Resp: 214784
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.0
176 73.9 0.0 146.4

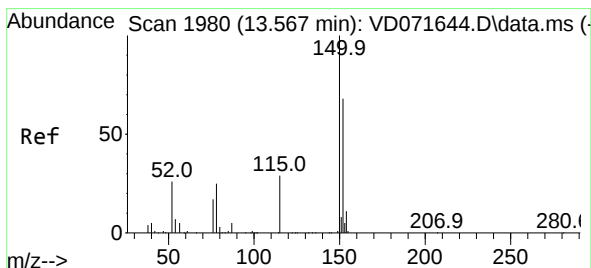
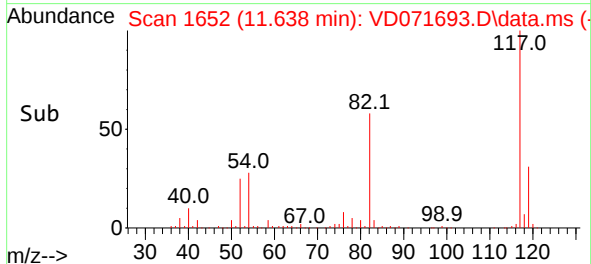
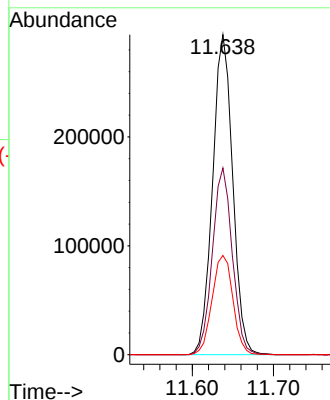
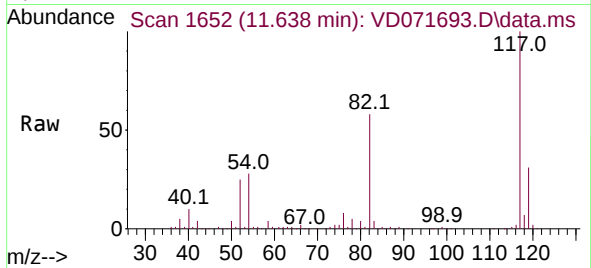




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

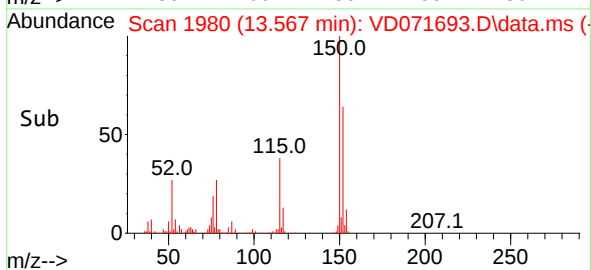
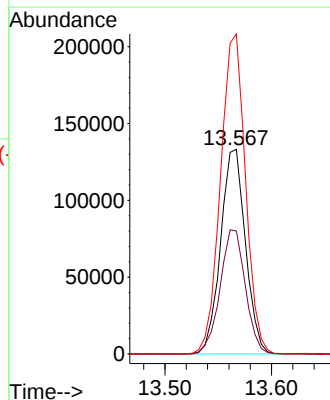
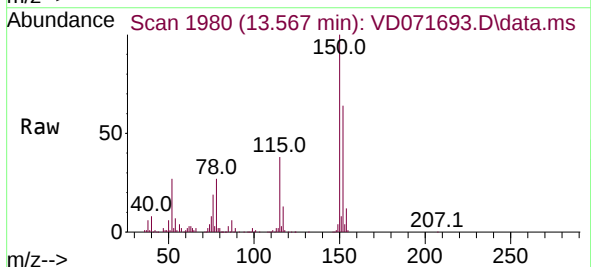
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-02-6

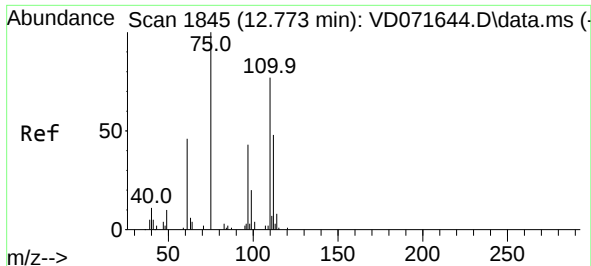
Tgt Ion:117 Resp: 505811
Ion Ratio Lower Upper
117 100
82 58.3 46.9 70.3
119 31.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Tgt Ion:152 Resp: 215871
Ion Ratio Lower Upper
152 100
115 61.7 31.5 94.5
150 157.0 0.0 348.0

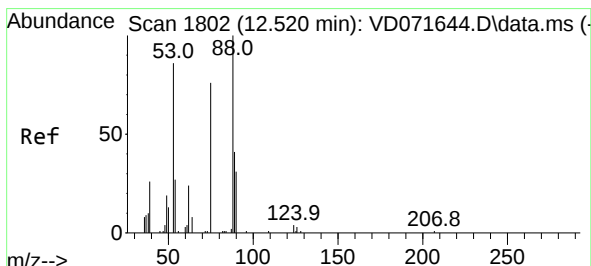
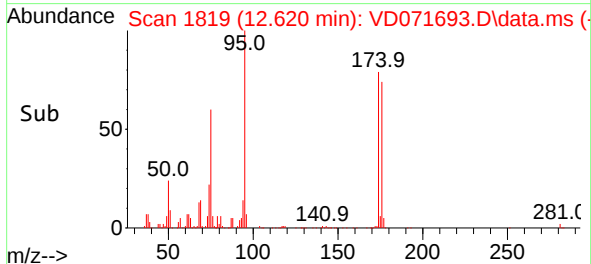
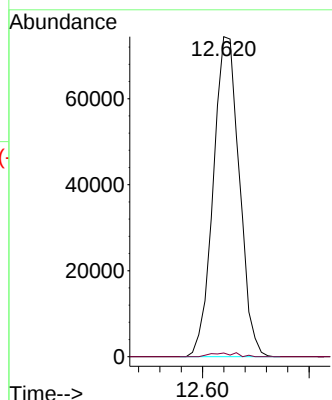
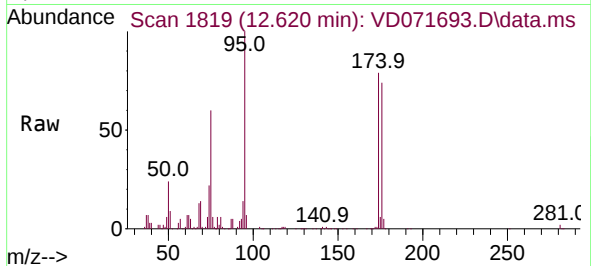




#76
1,2,3-Trichloropropane
Concen: 60.500 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-02-6

Tgt Ion: 75 Resp: 126197
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 168.666 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071693.D
Acq: 12 Jan 2022 18:26

Tgt Ion: 75 Resp: 126197
Ion Ratio Lower Upper
75 100
53 0.1 95.4 143.0#
89 0.0 37.2 55.8#

