

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010522\
 Data File : VD071614.D
 Acq On : 05 Jan 2022 15:14
 Operator : VA/SY
 Sample : M5330-01
 Misc : 6.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 07:03:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

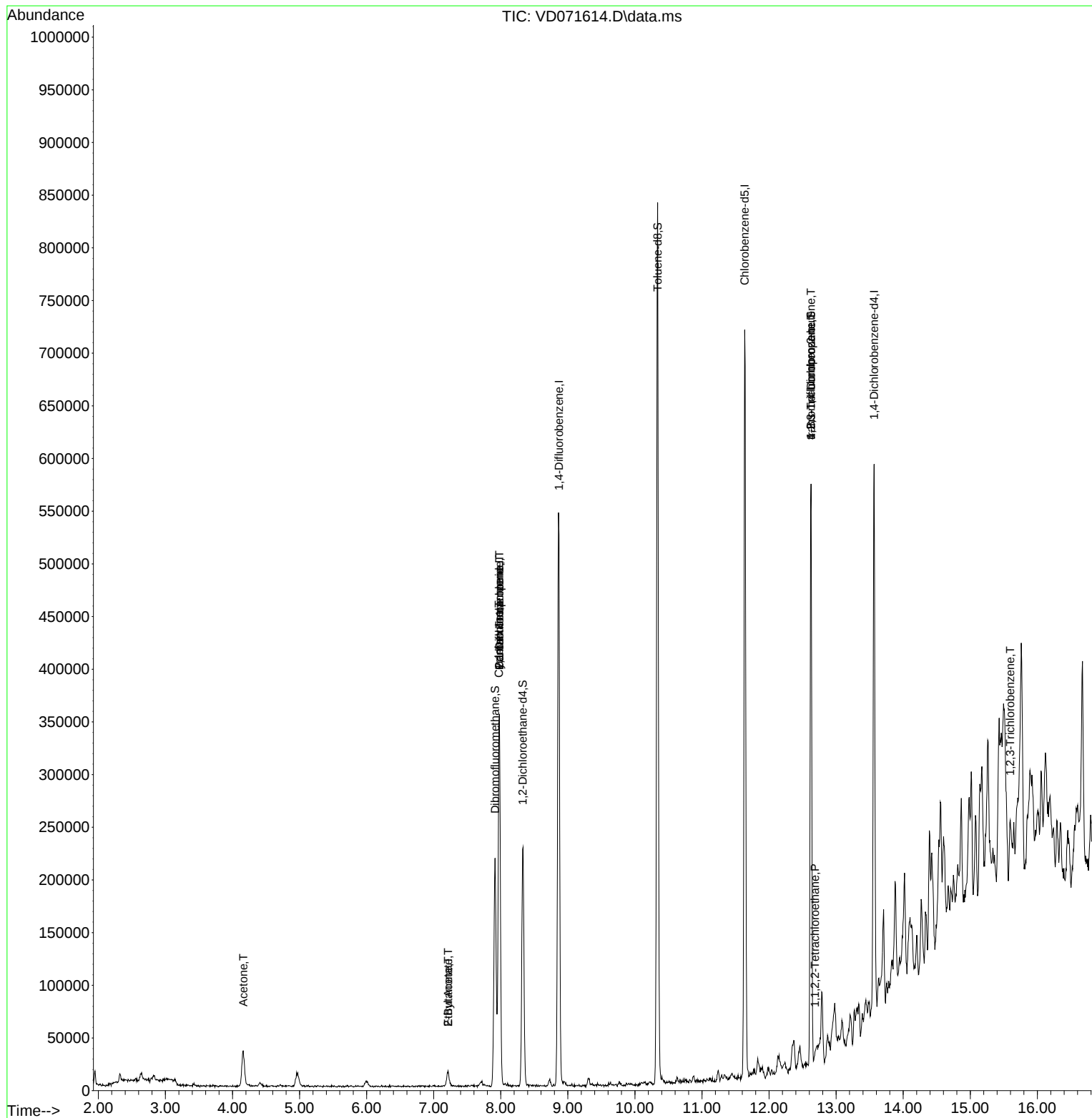
Internal Standards						
1) Pentafluorobenzene	7.979	168	245682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	437749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	381977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	133286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186364	57.117	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.240%	
35) Dibromofluoromethane	7.914	113	146926	49.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.880%	
50) Toluene-d8	10.338	98	532802	47.923	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.840%	
62) 4-Bromofluorobenzene	12.626	95	158285	40.065	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.120%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.220	59	67	Below Cal	#	71
16) Acetone	4.162	43	61457	74.988	ug/l #	83
20) Methylene Chloride	4.973	84	9574	Below Cal	#	80
25) 2-Butanone	7.214	43	22317	22.797	ug/l #	77
31) Cyclohexane	7.973	56	7721	1.393	ug/l #	6
36) 1,1-Dichloropropene	7.979	75	23298	4.957	ug/l #	50
37) Ethyl Acetate	7.214	43	22317	10.284	ug/l #	66
38) Carbon Tetrachloride	7.979	117	27685	5.970	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.685	83	1970	1.060	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	94787	59.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	94787	169.115	ug/l #	19
96) 1,2,3-Trichlorobenzene	15.596	180	2405	1.168	ug/l #	49

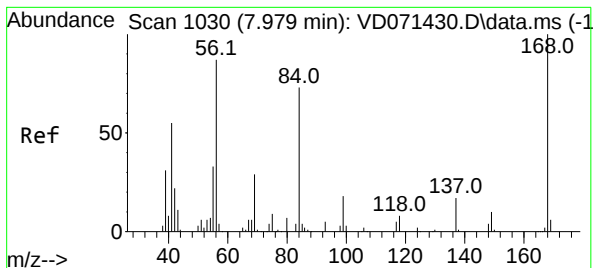
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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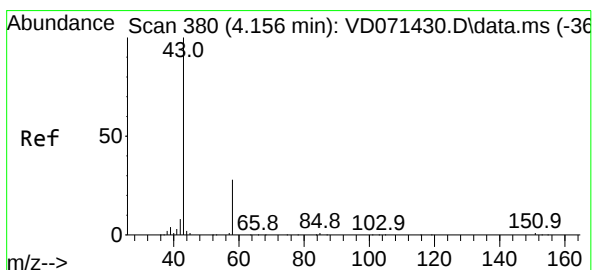
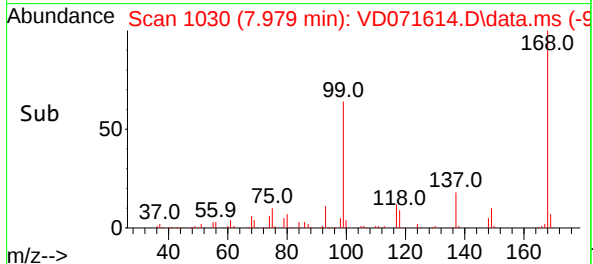
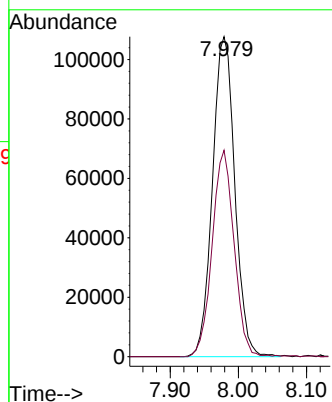
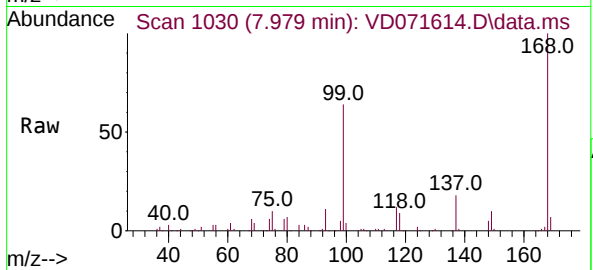




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

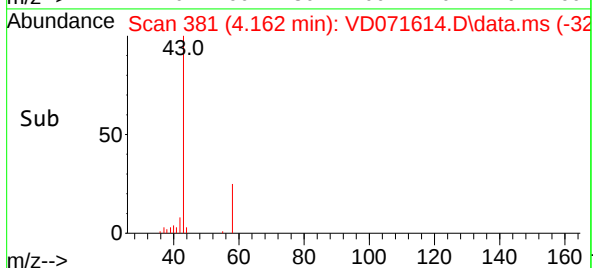
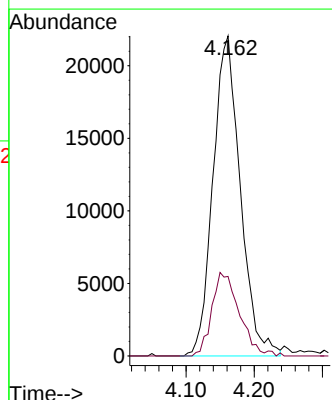
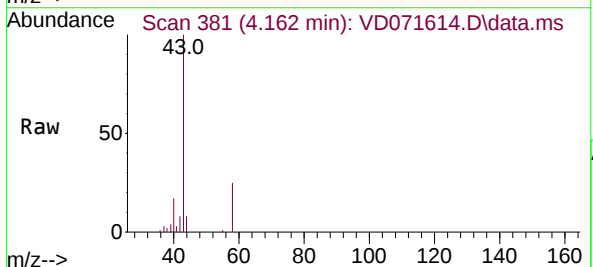
Instrument :
MSVOA_D
ClientSampleId :

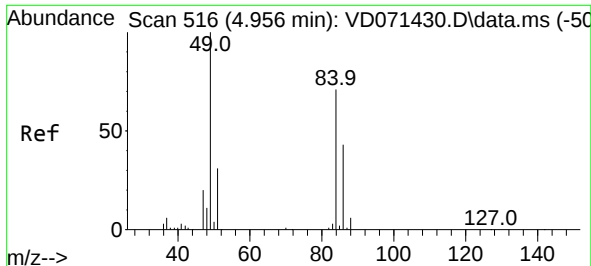
Tgt Ion:168 Resp: 245682
Ion Ratio Lower Upper
168 100
99 64.5 46.6 69.8



#16
Acetone
Concen: 74.988 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

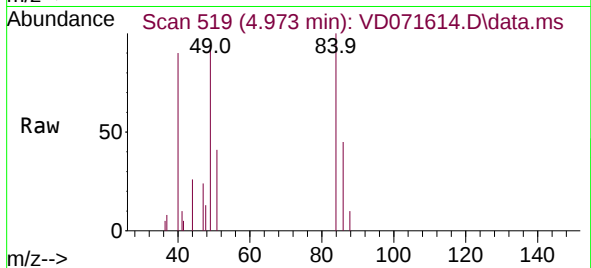
Tgt Ion: 43 Resp: 61457
Ion Ratio Lower Upper
43 100
58 24.9 27.8 41.8#



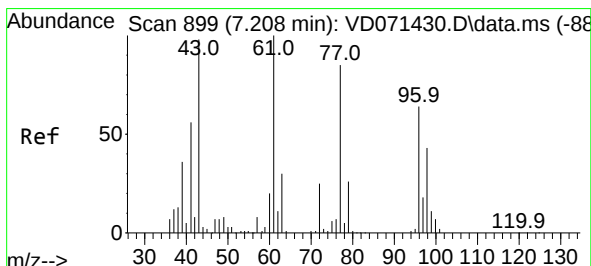
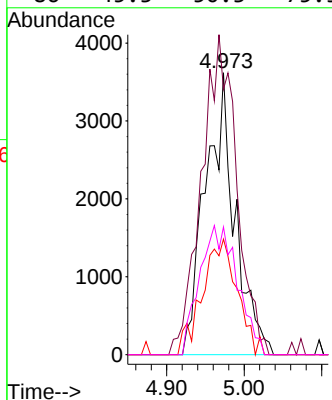
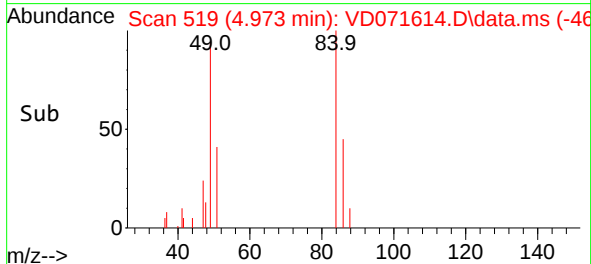


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 516
Delta R.T. 0.012 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

Instrument :
MSVOA_D
ClientSampleId :

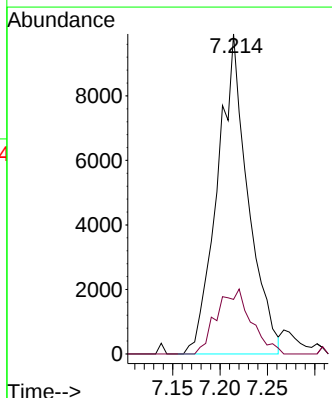
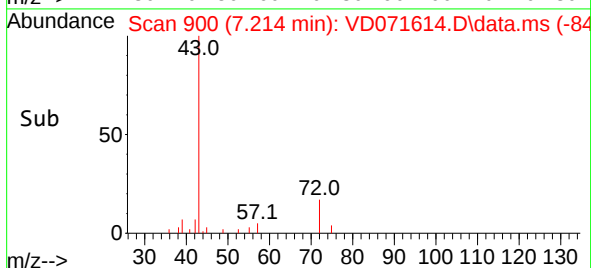
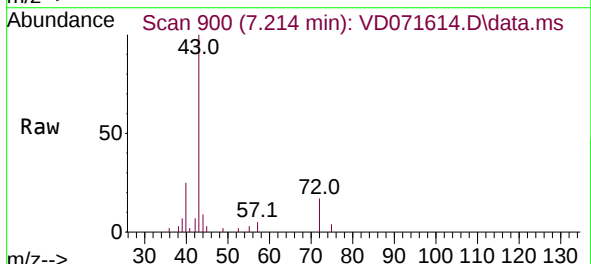


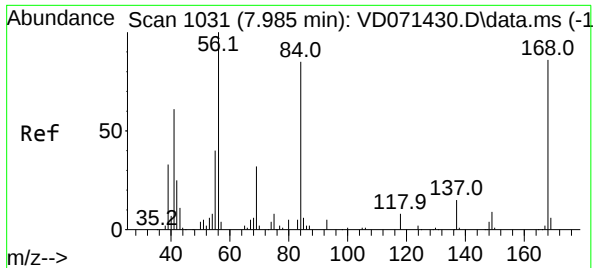
Tgt Ion:	84	Resp:	9574
Ion	Ratio	Lower	Upper
84	100		
49	94.1	95.8	143.6#
51	41.0	30.9	46.3
86	45.3	50.3	75.5#



#25
2-Butanone
Concen: 22.797 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

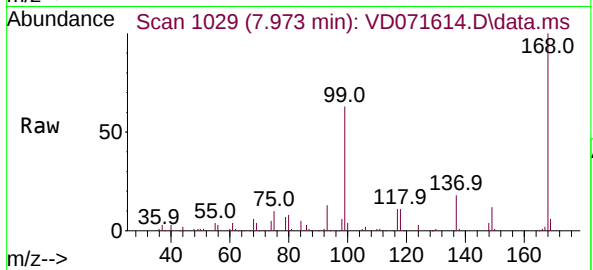
Tgt Ion:	43	Resp:	22317
Ion	Ratio	Lower	Upper
43	100		
72	17.0	23.8	35.6#



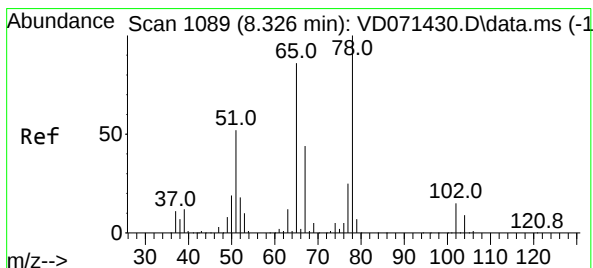
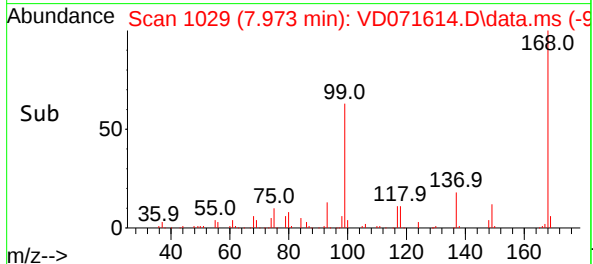
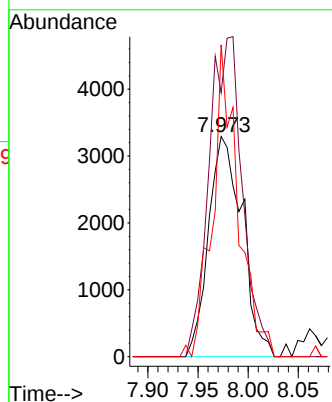


#31
Cyclohexane
Concen: 1.393 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

Instrument :
MSVOA_D
ClientSampleId :

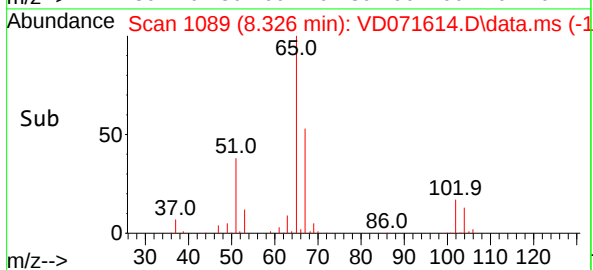
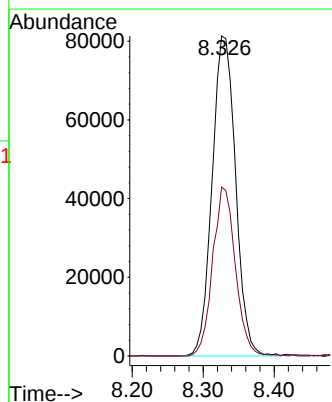
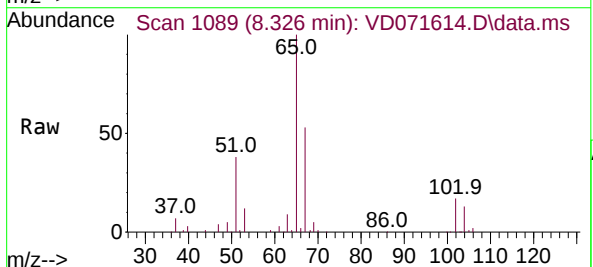


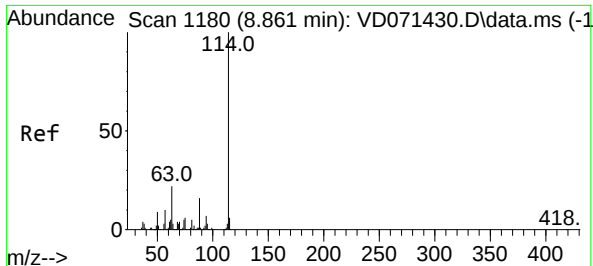
Tgt Ion: 56 Resp: 7721
Ion Ratio Lower Upper
56 100
69 120.0 25.9 38.9#
84 141.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 57.117 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

Tgt Ion: 65 Resp: 186364
Ion Ratio Lower Upper
65 100
67 51.1 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071614.D

Acq: 05 Jan 2022 15:14

Instrument :

MSVOA_D

ClientSampleId :

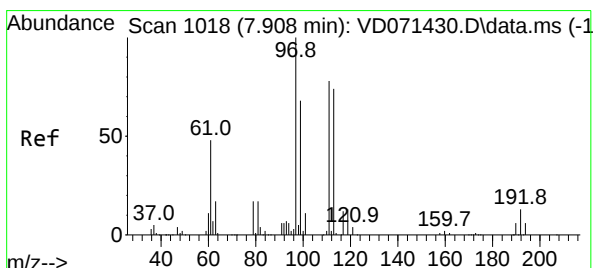
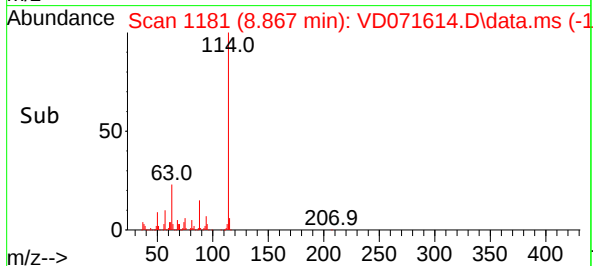
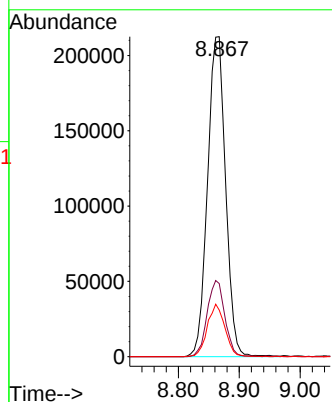
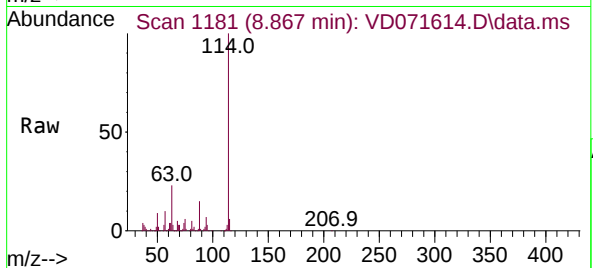
Tgt Ion:114 Resp: 437749

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 14.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.941 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071614.D

Acq: 05 Jan 2022 15:14

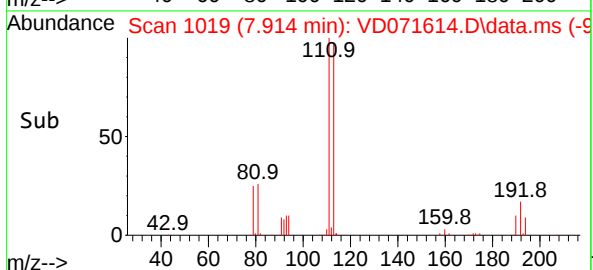
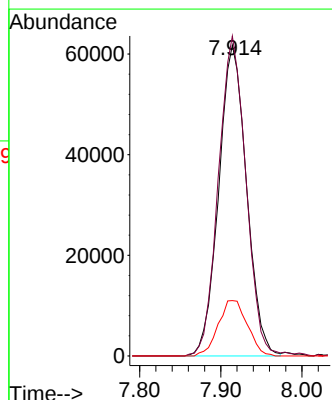
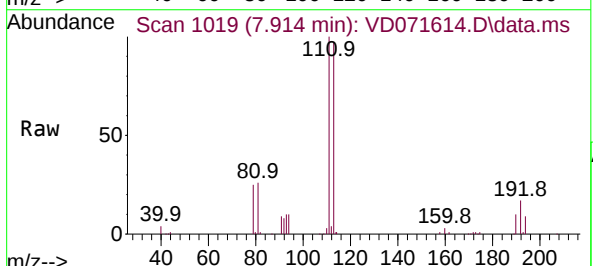
Tgt Ion:113 Resp: 146926

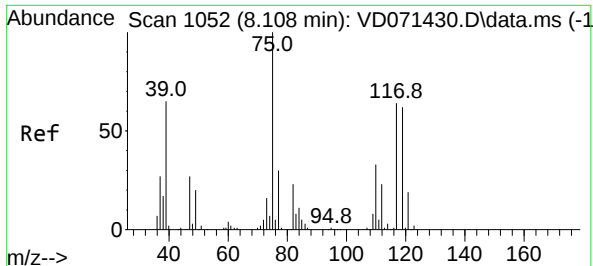
Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

192 18.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.129 min

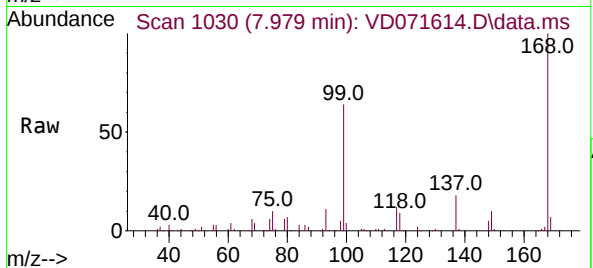
Lab File: VD071614.D

Acq: 05 Jan 2022 15:14

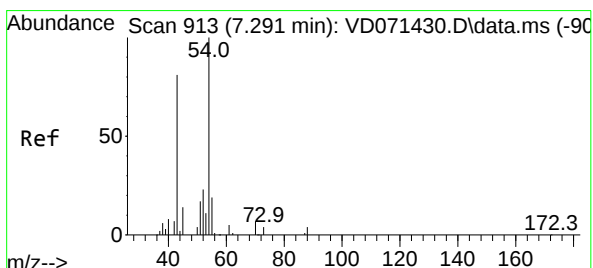
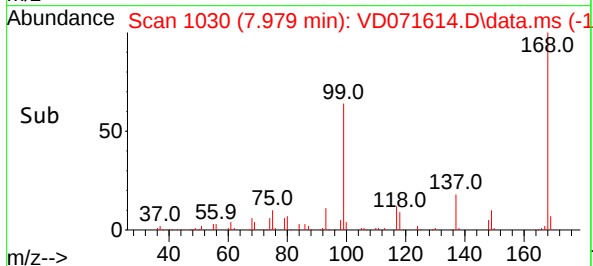
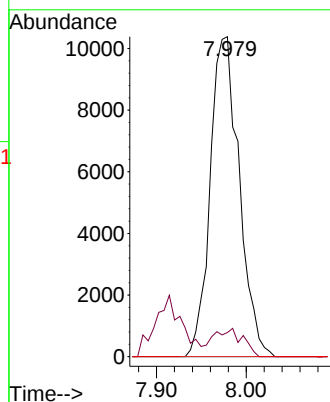
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	23298
Ion Ratio	Lower	Upper	
75	100		
110	9.1	17.8	53.4#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 10.284 ug/l

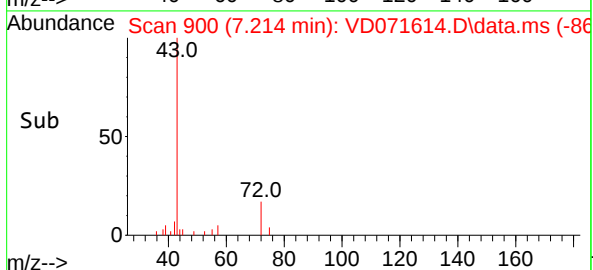
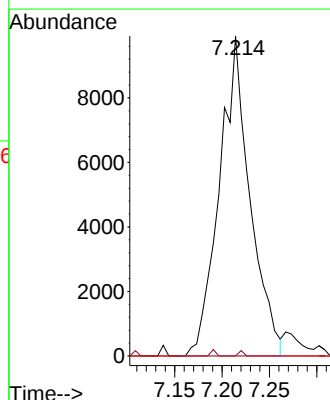
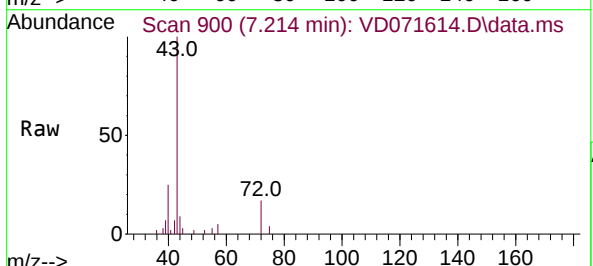
RT: 7.214 min Scan# 900

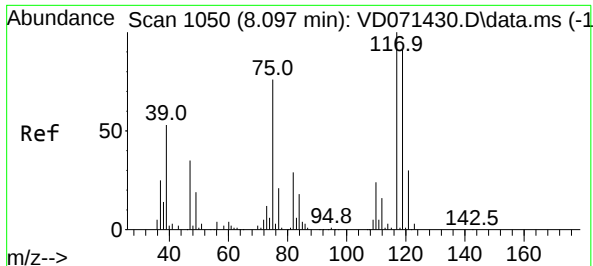
Delta R.T. -0.071 min

Lab File: VD071614.D

Acq: 05 Jan 2022 15:14

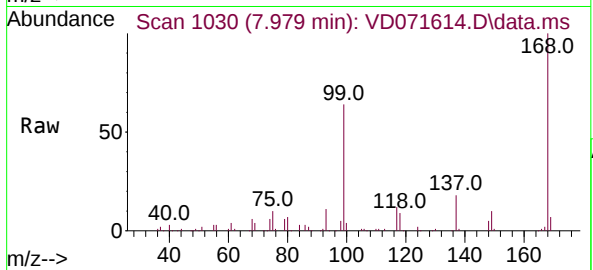
Tgt Ion:	43	Resp:	22317
Ion Ratio	Lower	Upper	
43	100		
61	0.3	13.0	19.6#
70	0.0	8.7	13.1#



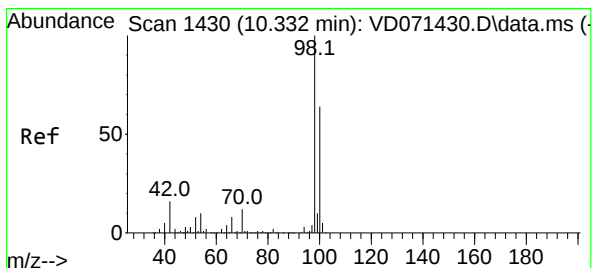
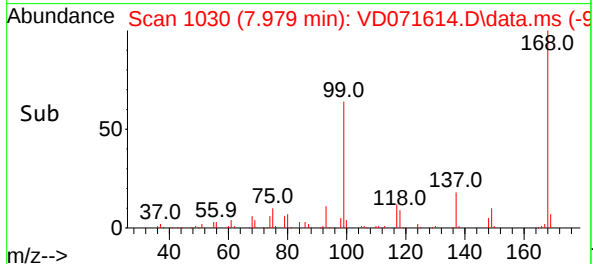
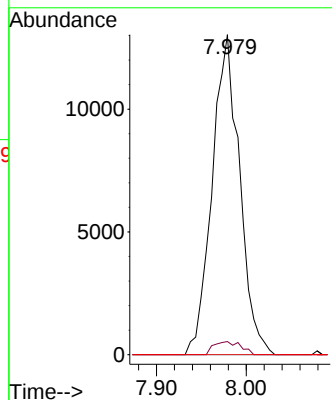


#38
Carbon Tetrachloride
Concen: 5.970 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

Instrument :
MSVOA_D
ClientSampleId :

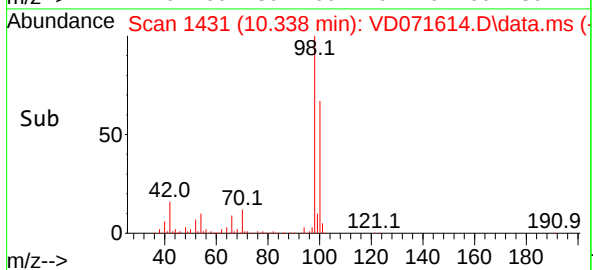
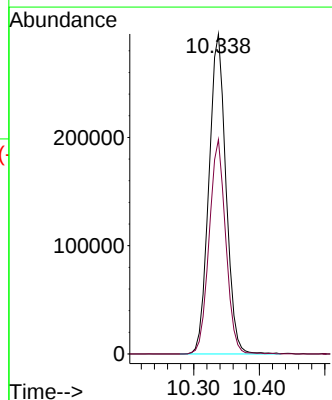
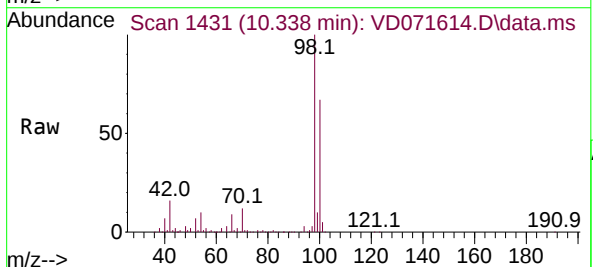


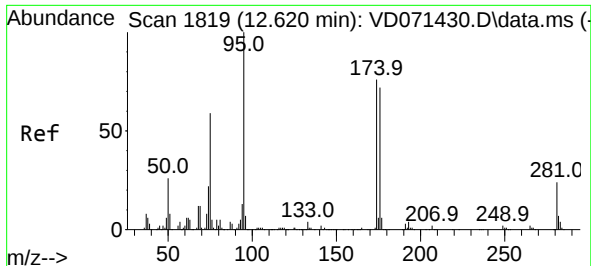
Tgt Ion:117 Resp: 27685
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 47.923 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

Tgt Ion: 98 Resp: 532802
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6

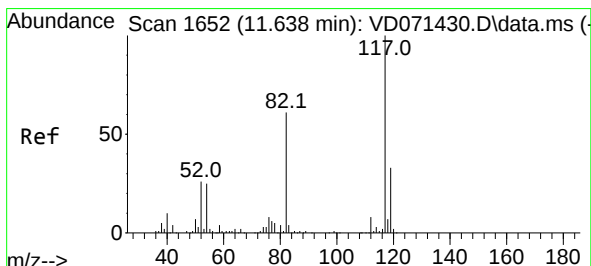
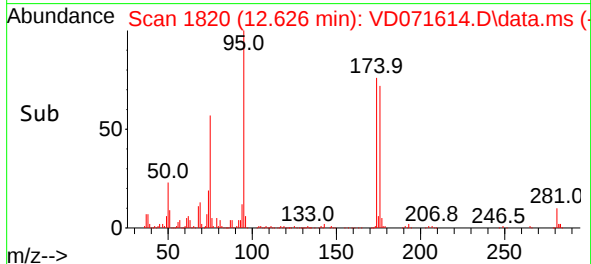
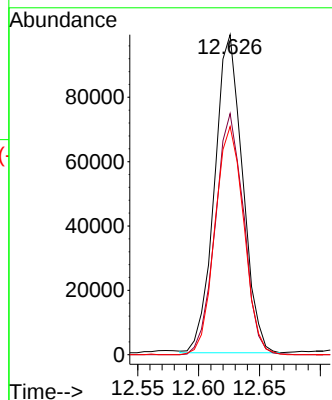
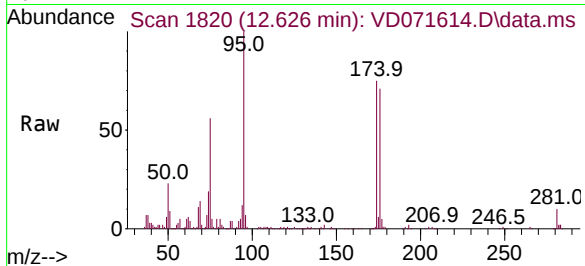




#62
4-Bromofluorobenzene
Concen: 40.065 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

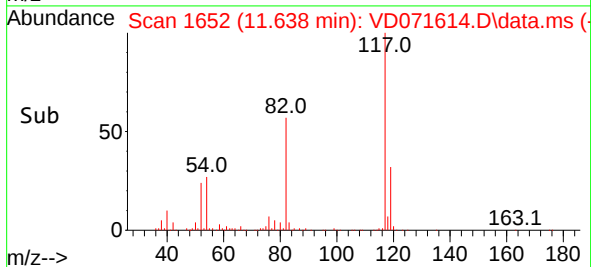
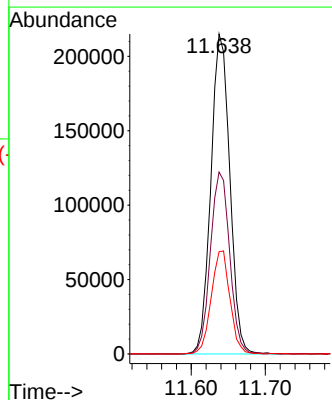
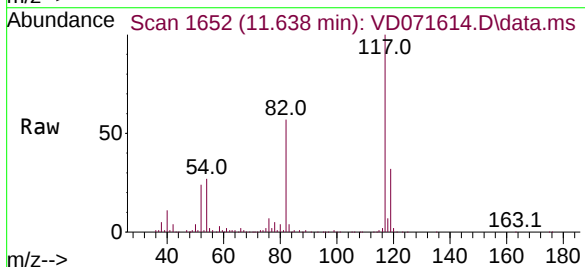
Instrument :
MSVOA_D
ClientSampleId :

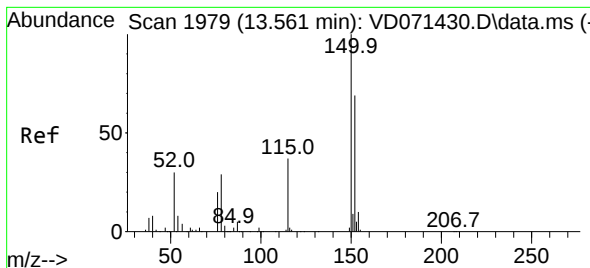
Tgt Ion: 95 Resp: 158285
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.4
176 73.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

Tgt Ion: 117 Resp: 381977
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 31.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1979

Delta R.T. 0.006 min

Lab File: VD071614.D

Acq: 05 Jan 2022 15:14

Instrument :

MSVOA_D

ClientSampleId :

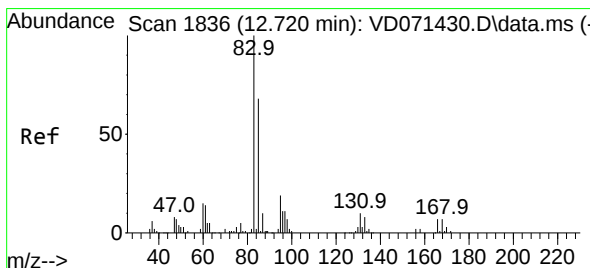
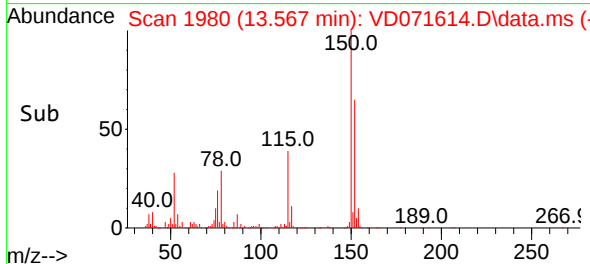
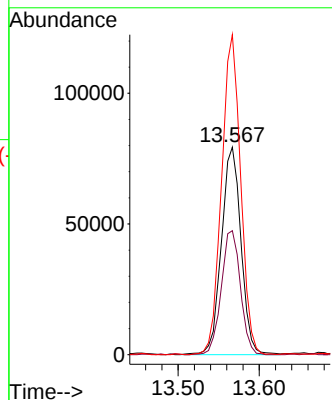
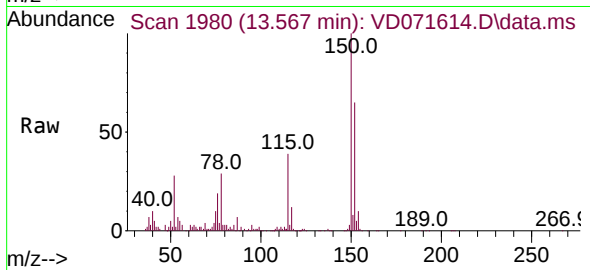
Tgt Ion:152 Resp: 133286

Ion Ratio Lower Upper

152 100

115 58.3 29.8 89.3

150 149.9 0.0 349.2



#75

1,1,2,2-Tetrachloroethane

Concen: 1.060 ug/l

RT: 12.685 min Scan# 1830

Delta R.T. -0.035 min

Lab File: VD071614.D

Acq: 05 Jan 2022 15:14

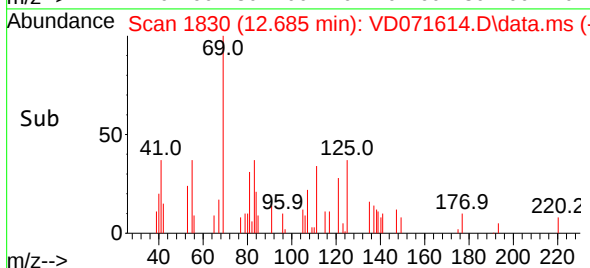
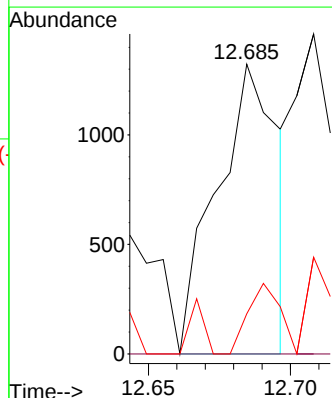
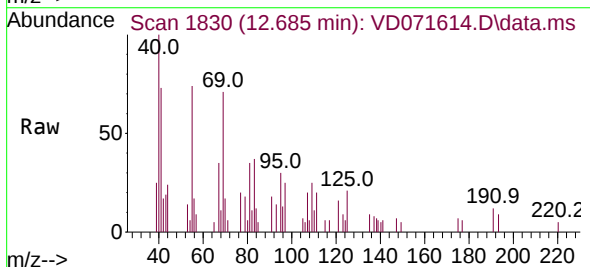
Tgt Ion: 83 Resp: 1970

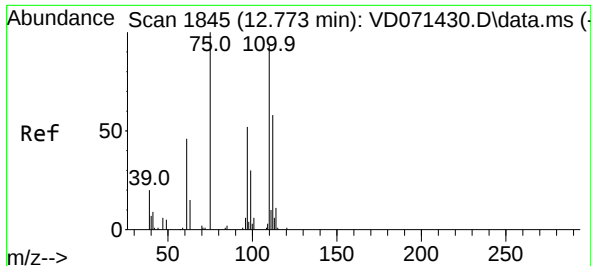
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 12.9 32.0 96.2#

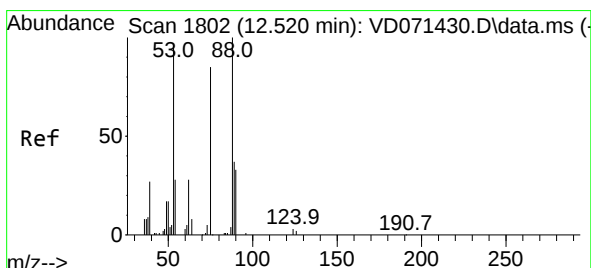
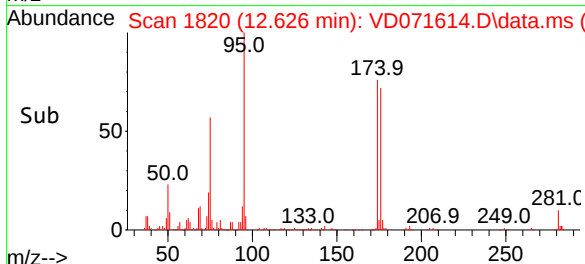
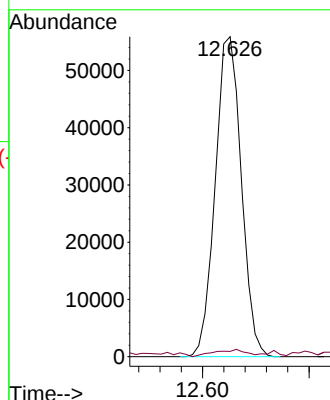
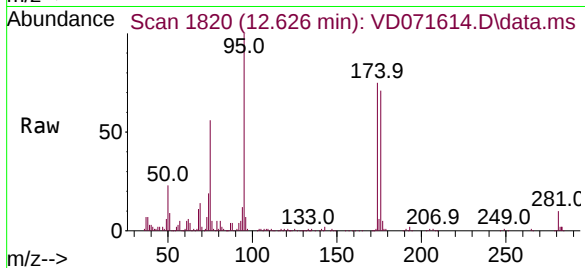




#76
1,2,3-Trichloropropane
Concen: 59.852 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

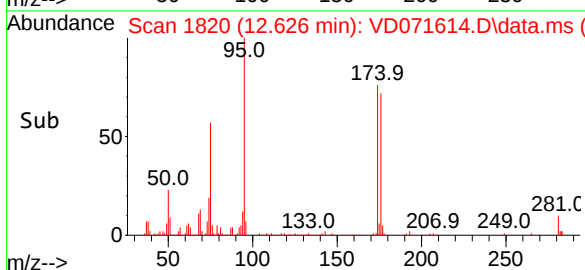
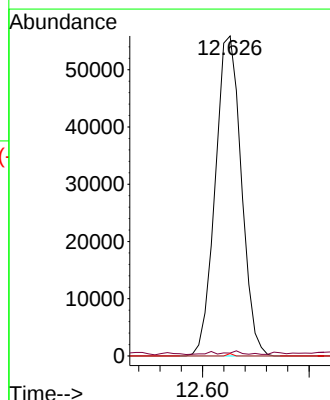
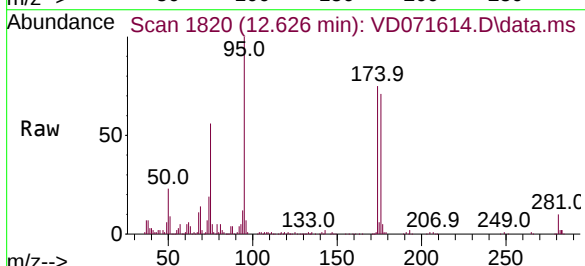
Instrument :
MSVOA_D
ClientSampleId :

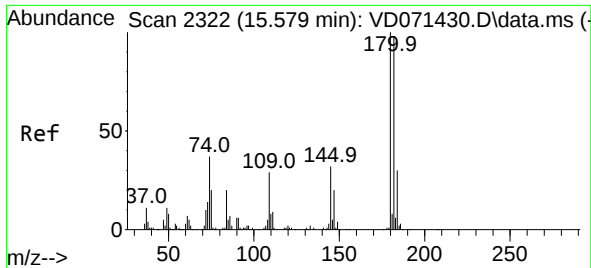
Tgt Ion: 75 Resp: 94787
Ion Ratio Lower Upper
75 100
77 2.8 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 169.115 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071614.D
Acq: 05 Jan 2022 15:14

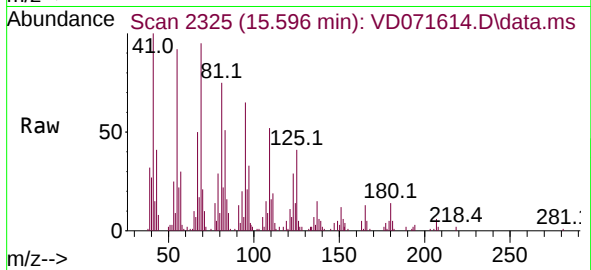
Tgt Ion: 75 Resp: 94787
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.2 34.5 51.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.168 ug/l
 RT: 15.596 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: VD071614.D
 Acq: 05 Jan 2022 15:14

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	35.9	46.7	140.1#
145	18.3	15.9	47.6

