

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032621\
 Data File : VD068685.D
 Acq On : 26 Mar 2021 15:36
 Operator : VA/SY
 Sample : M1813-04
 Misc : 4.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-236

Quant Time: Mar 27 00:44:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	246991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	465125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	450489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	217752	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	123771	49.70	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.40%
35) Dibromofluoromethane	7.914	113	151684	52.41	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.82%
50) Toluene-d8	10.338	98	590829	52.95	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.90%
62) 4-Bromofluorobenzene	12.632	95	202988	56.11	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.22%

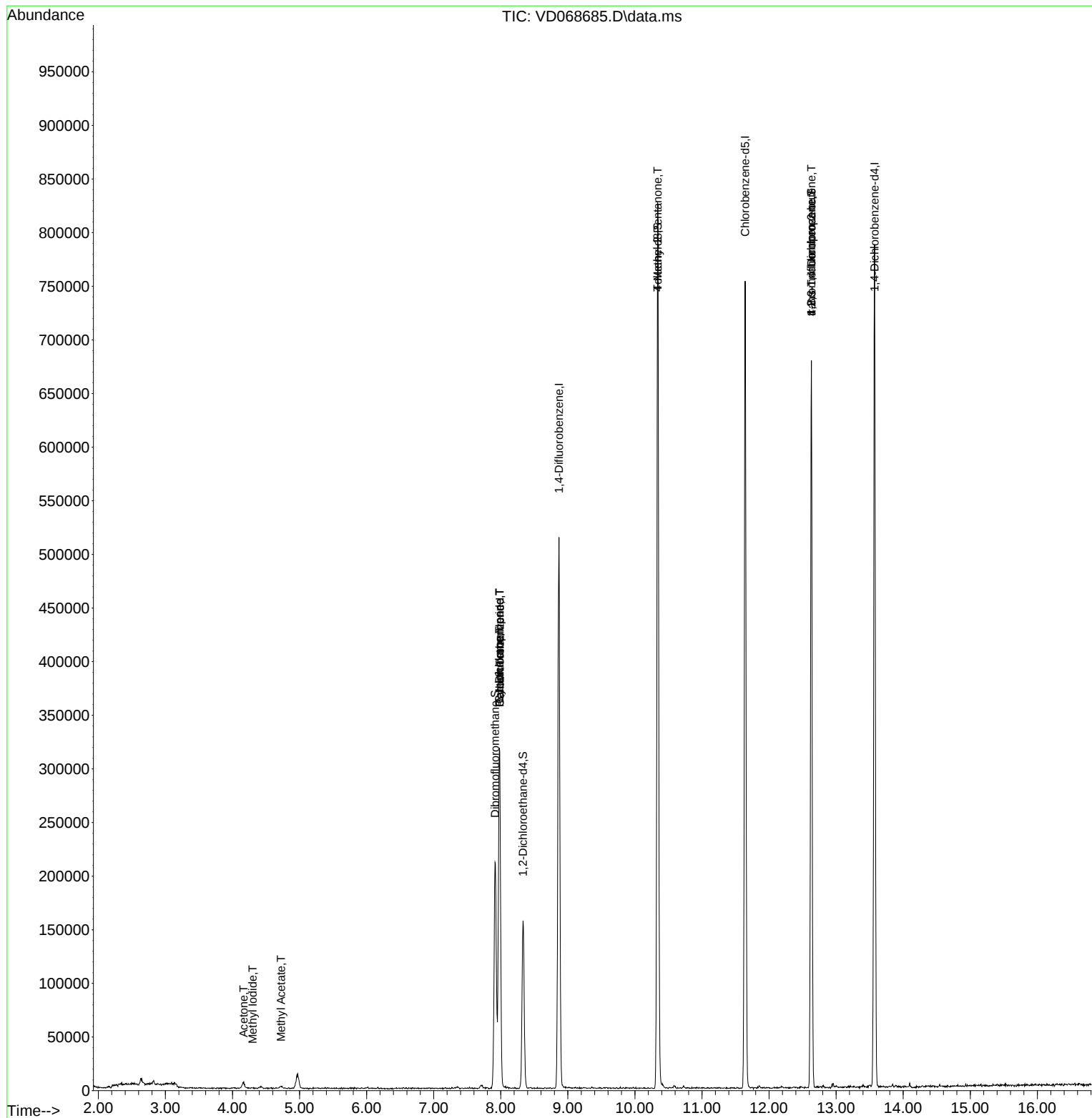
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	68	3.49	ug/l #	41
16) Acetone	4.167	43	8973	29.70	ug/l	94
18) Methyl Acetate	4.726	43	4151	5.00	ug/l #	57
20) Methylene Chloride	4.973	84	10781	Below Cal	#	75
31) Cyclohexane	7.979	56	4865	1.21	ug/l #	10
36) 1,1-Dichloropropene	7.979	75	19752	4.75	ug/l #	49
38) Carbon Tetrachloride	7.985	117	24504	5.91	ug/l #	15
51) 4-Methyl-2-Pentanone	10.338	43	2052	1.57	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	100721	55.57	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	100721	126.44	ug/l #	16

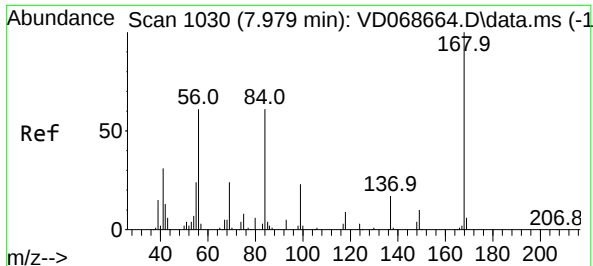
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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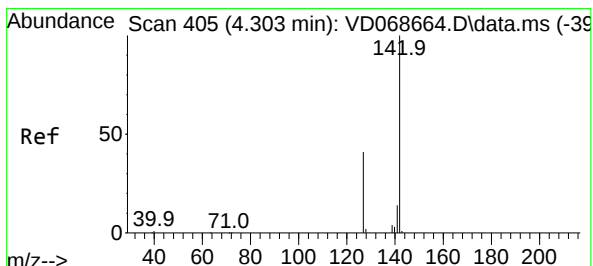
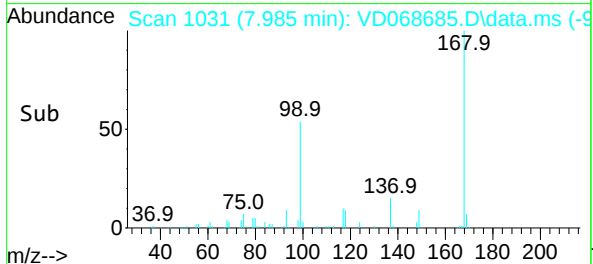
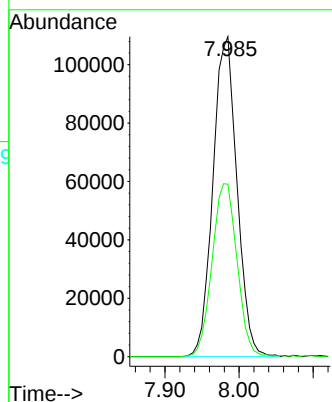
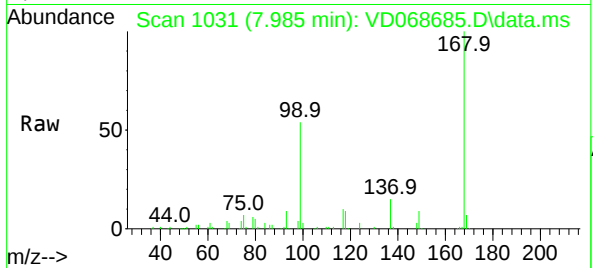




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

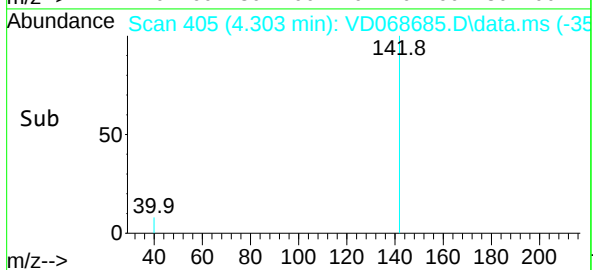
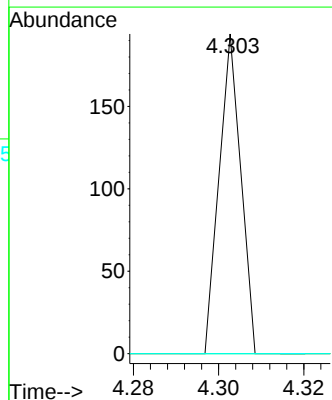
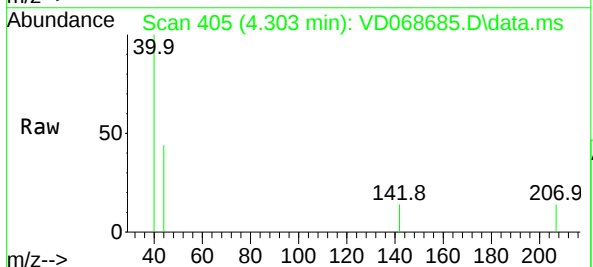
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

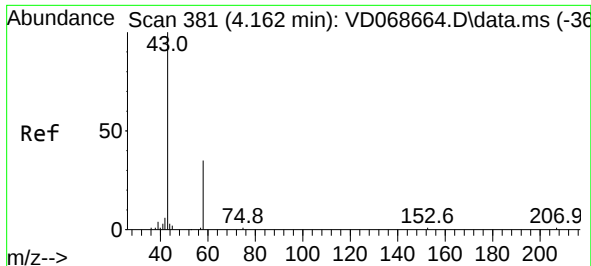
Tgt Ion:168 Resp: 246991
Ion Ratio Lower Upper
168 100
99 53.9 46.2 69.2



#10
Methyl Iodide
Concen: 3.49 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

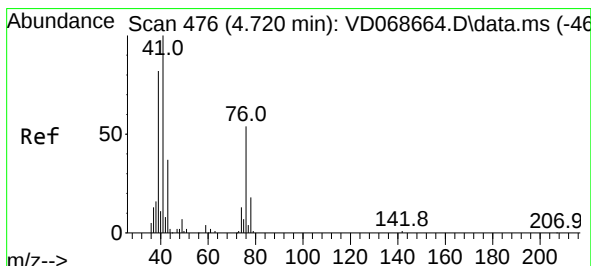
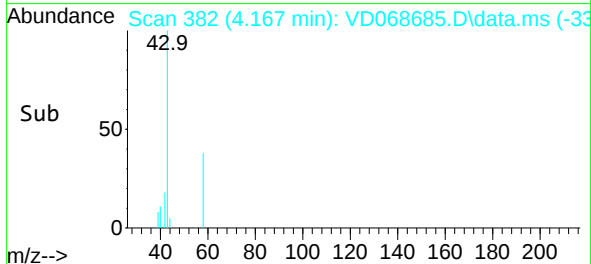
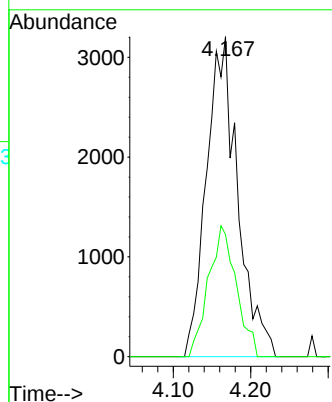
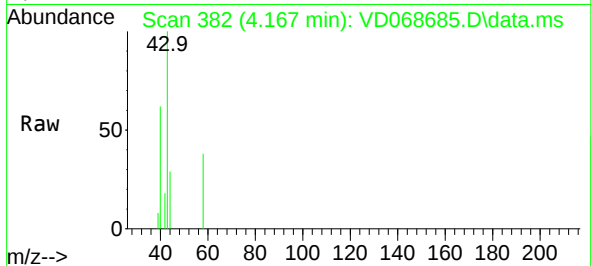




#16
Acetone
Concen: 29.70 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

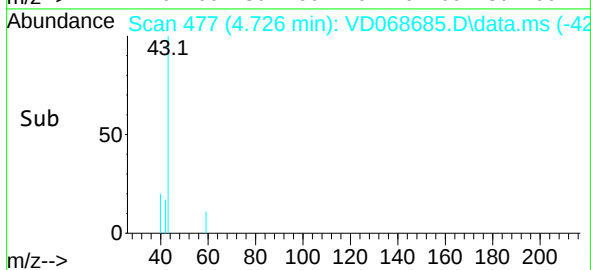
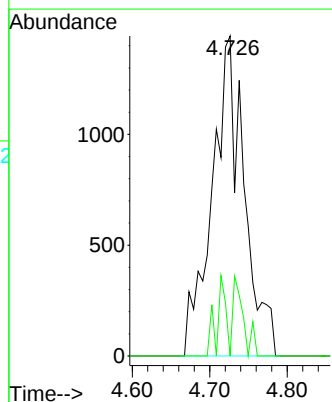
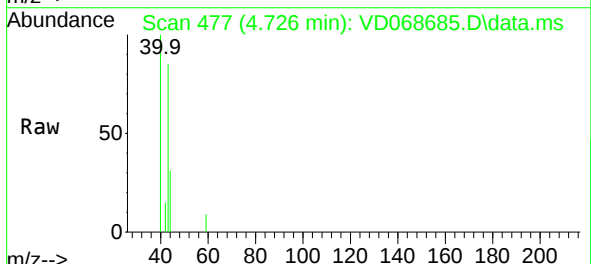
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

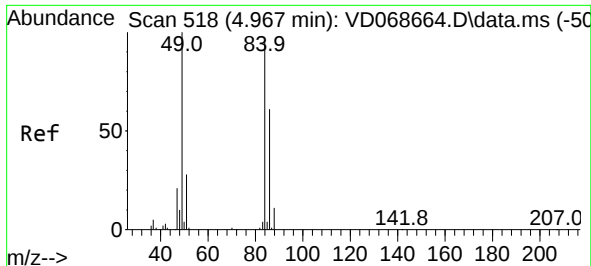
Tgt Ion: 43 Resp: 8973
Ion Ratio Lower Upper
43 100
58 38.2 28.0 42.0



#18
Methyl Acetate
Concen: 5.00 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

Tgt Ion: 43 Resp: 4151
Ion Ratio Lower Upper
43 100
74 8.2 25.4 38.2#

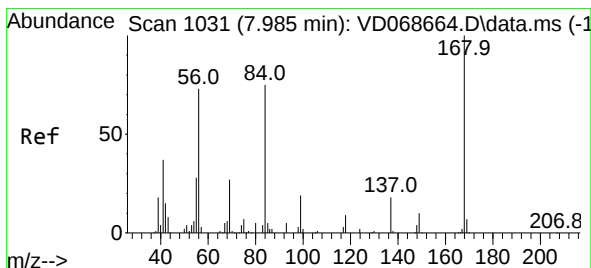
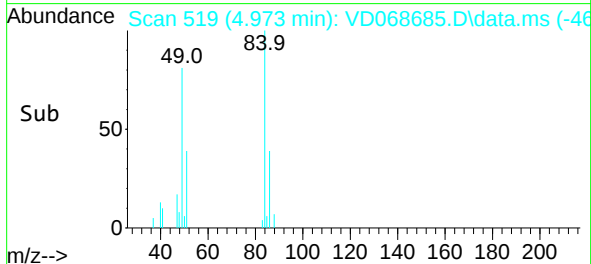
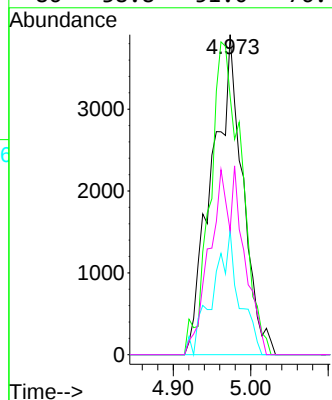
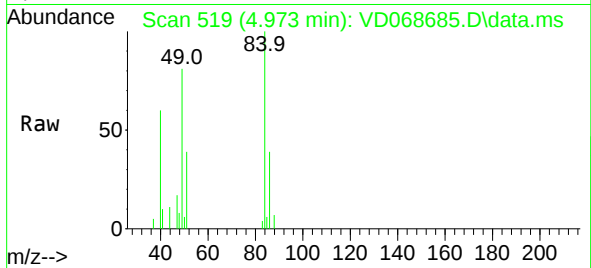




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

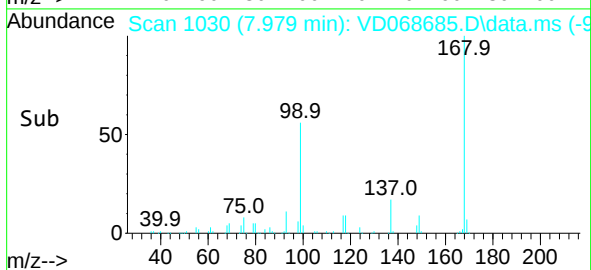
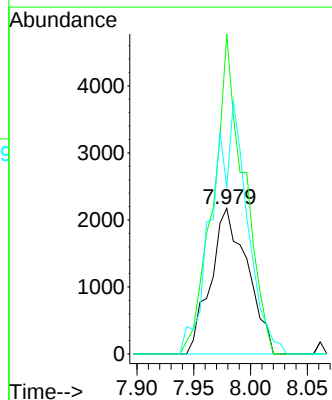
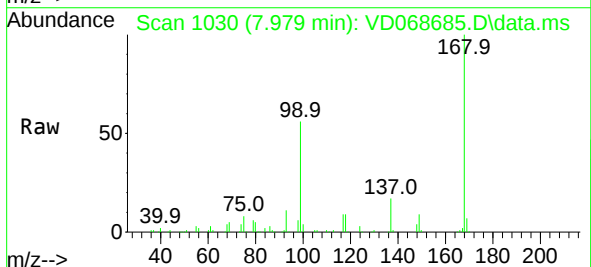
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

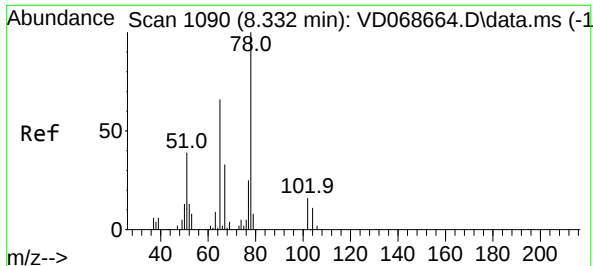
Tgt Ion:	84	Resp:	10781
Ion	Ratio	Lower	Upper
84	100		
49	80.8	83.4	125.0#
51	39.0	23.4	35.2#
86	38.8	51.0	76.4#



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

Tgt Ion:	56	Resp:	4865
Ion	Ratio	Lower	Upper
56	100		
69	219.8	30.0	45.0#
84	114.2	82.0	123.0





#33

1,2-Dichloroethane-d4

Concen: 49.70 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD068685.D

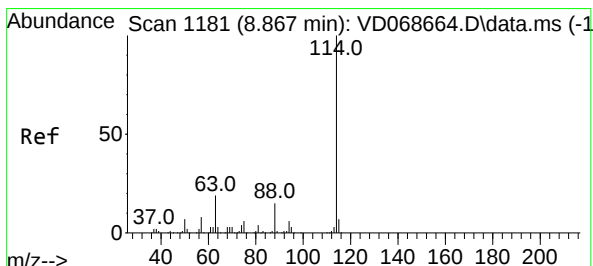
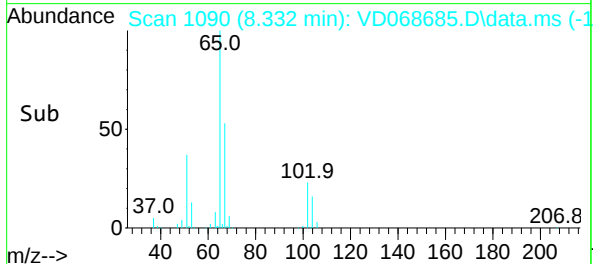
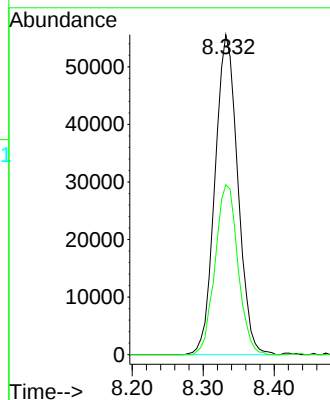
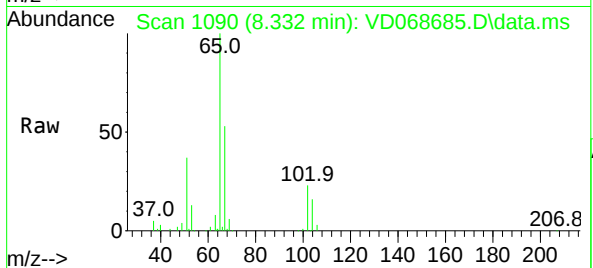
Acq: 26 Mar 2021 15:36

Tgt Ion: 65 Resp: 123771

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VD068685.D

Acq: 26 Mar 2021 15:36

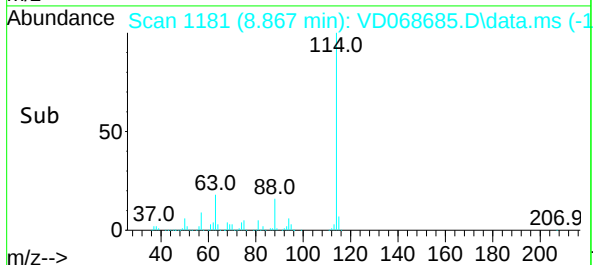
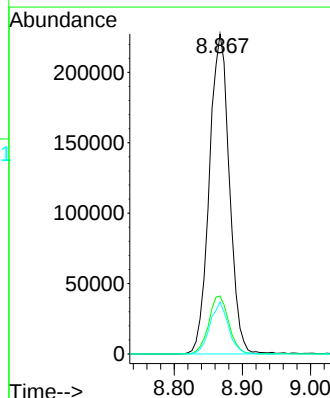
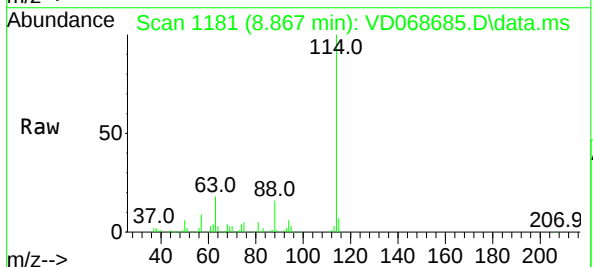
Tgt Ion: 114 Resp: 465125

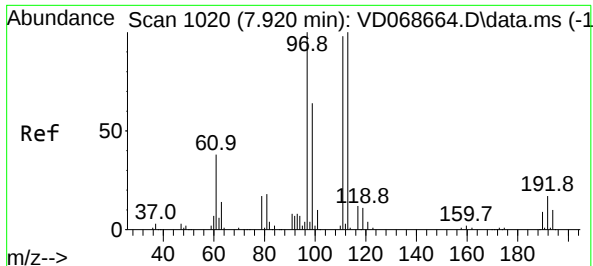
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.2

88 16.2 0.0 29.4

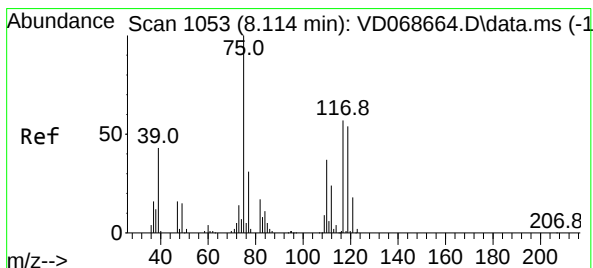
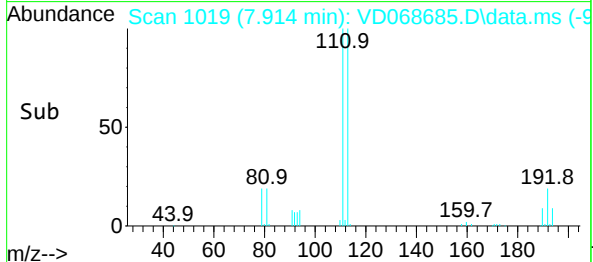
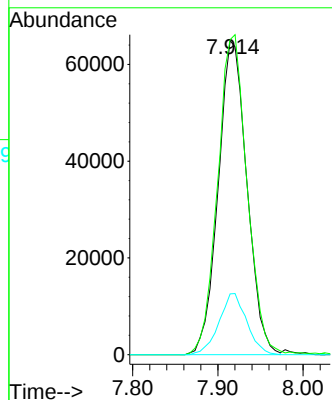
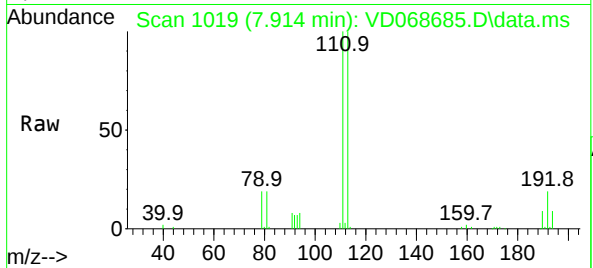




#35
Dibromofluoromethane
Concen: 52.41 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

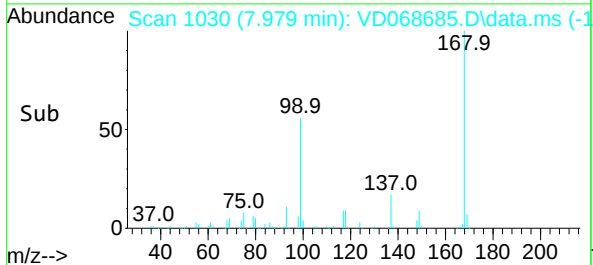
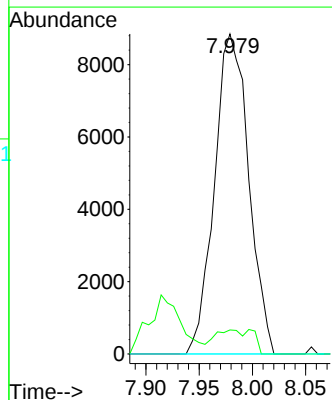
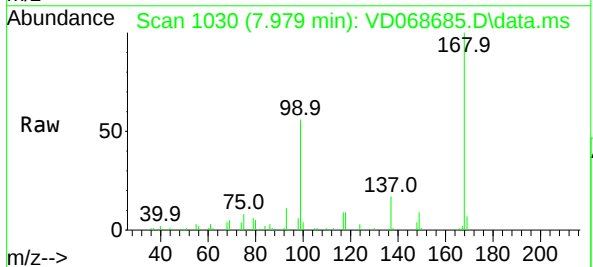
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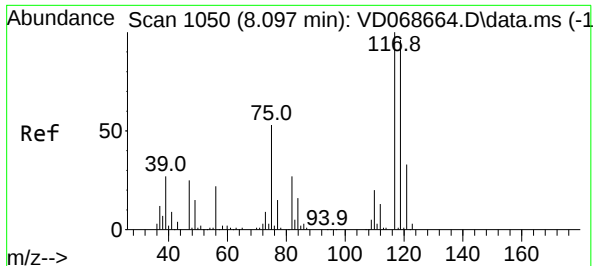
Tgt Ion:113 Resp: 151684
Ion Ratio Lower Upper
113 100
111 104.5 82.5 123.7
192 18.9 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

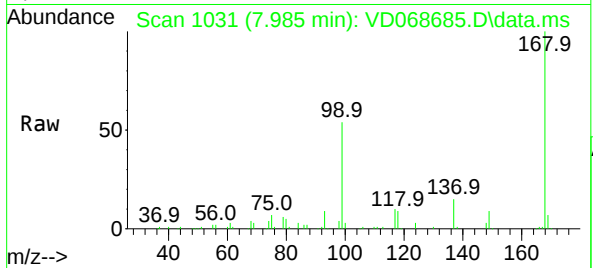
Tgt Ion: 75 Resp: 19752
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 24.7 37.1#



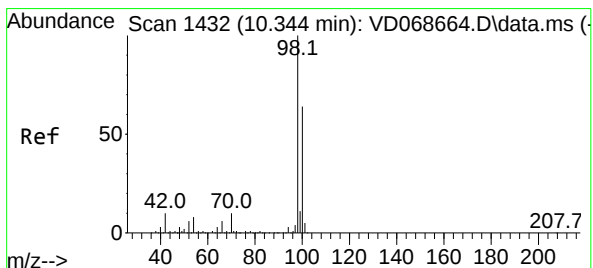
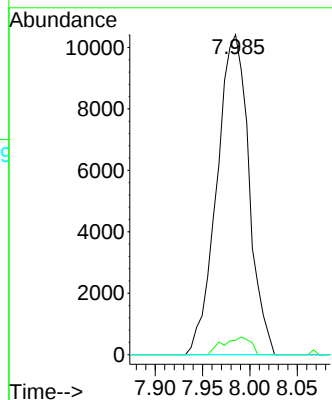
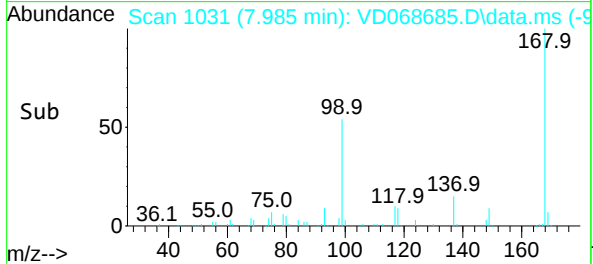


#38
Carbon Tetrachloride
Concen: 5.91 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

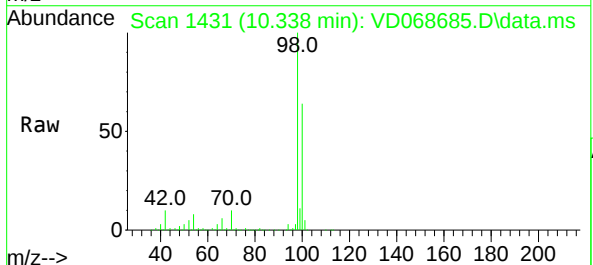
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MSVOA_D
ClientSampleId :
VNJ-236



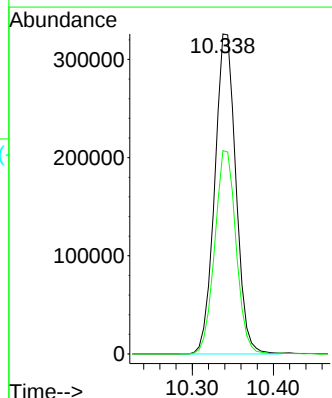
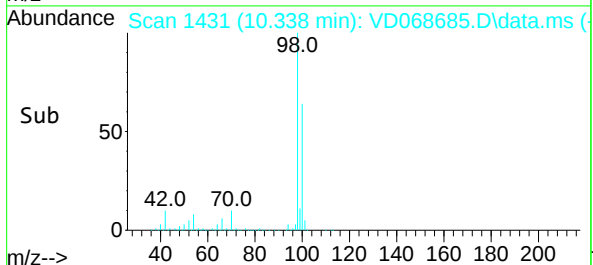
Tgt Ion:117 Resp: 24504
Ion Ratio Lower Upper
117 100
119 4.5 76.6 115.0#
121 0.0 26.1 39.1#

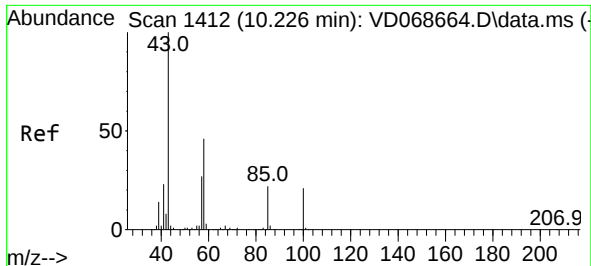


#50
Toluene-d8
Concen: 52.95 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36



Tgt Ion: 98 Resp: 590829
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6

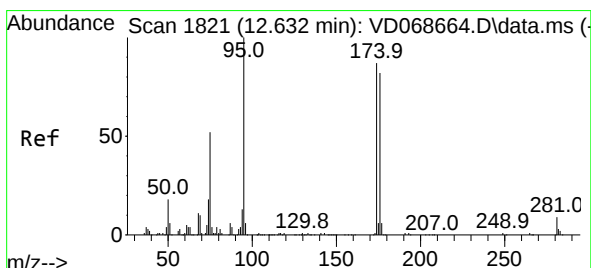
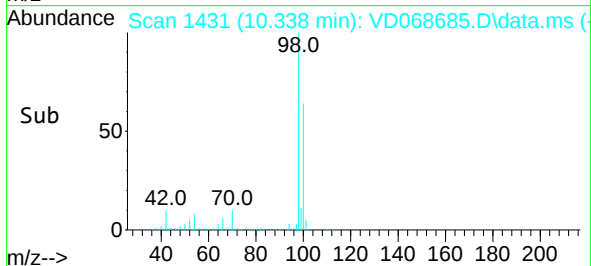
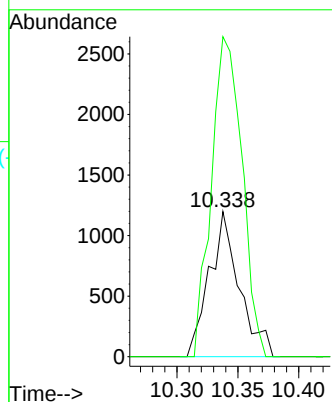
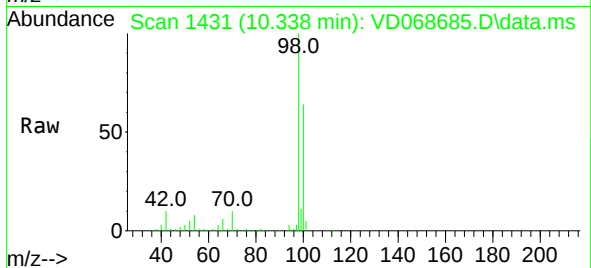




#51
4-Methyl-2-Pentanone
Concen: 1.57 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

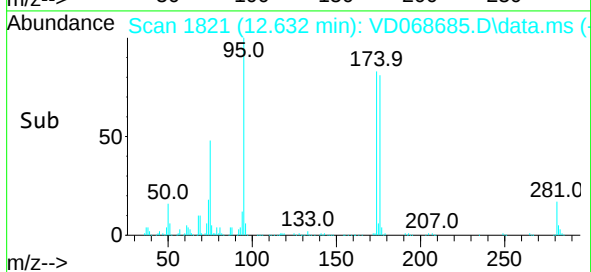
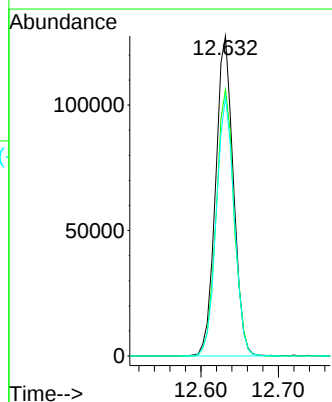
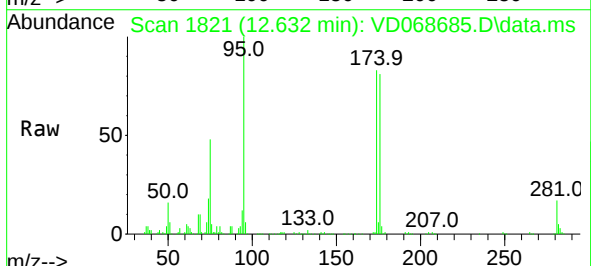
Instrument :
MSVOA_D
ClientSampled :
VNJ-236

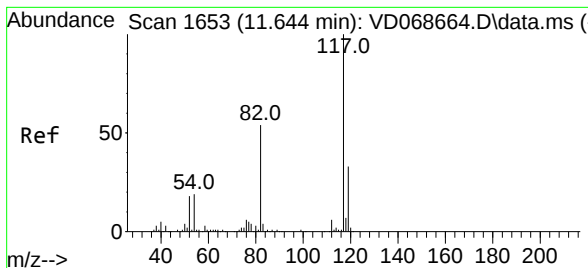
Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
58 226.1 37.3 55.9#



#62
4-Bromofluorobenzene
Concen: 56.11 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

Tgt Ion: 95 Resp: 202988
Ion Ratio Lower Upper
95 100
174 83.8 0.0 168.0
176 81.2 0.0 160.2

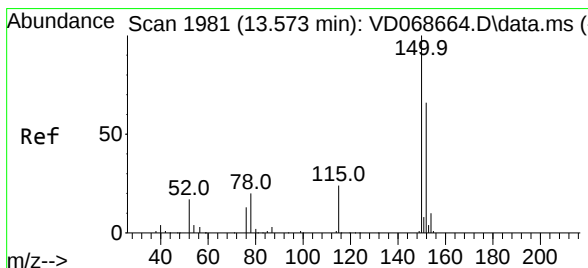
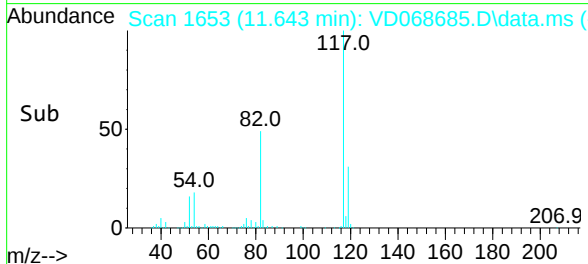
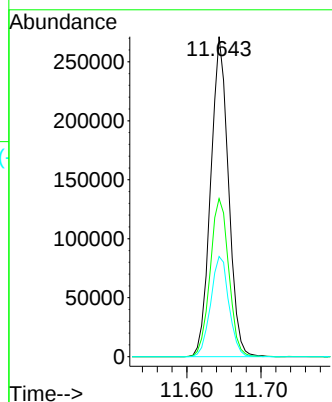
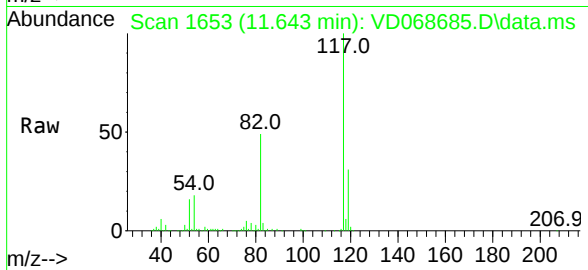




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

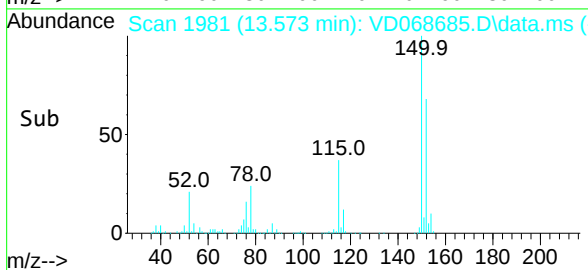
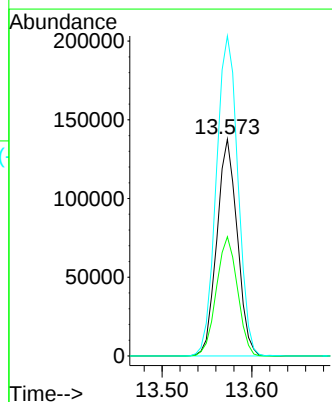
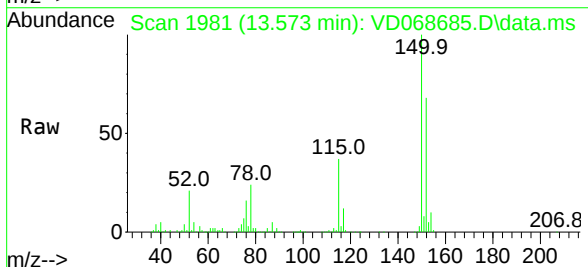
Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

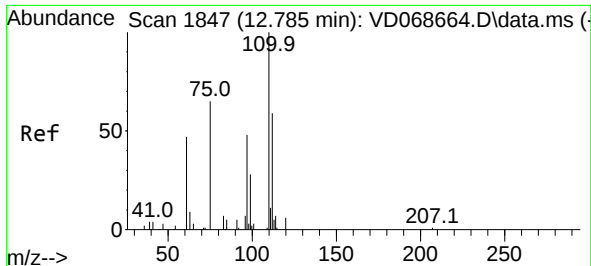
Tgt Ion:117 Resp: 450489
Ion Ratio Lower Upper
117 100
82 49.4 43.5 65.3
119 31.3 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

Tgt Ion:152 Resp: 217752
Ion Ratio Lower Upper
152 100
115 56.8 29.3 87.8
150 156.4 0.0 347.6

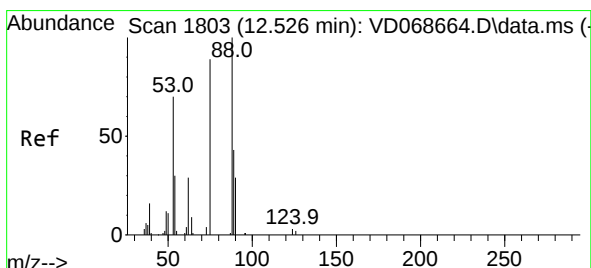
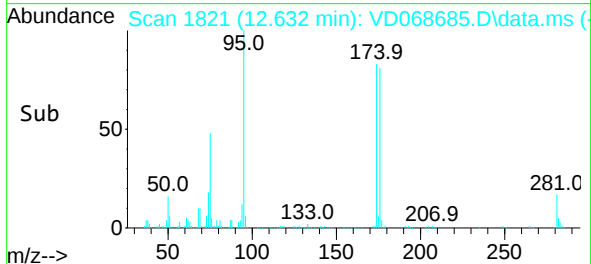
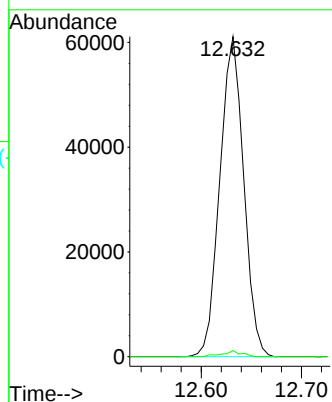
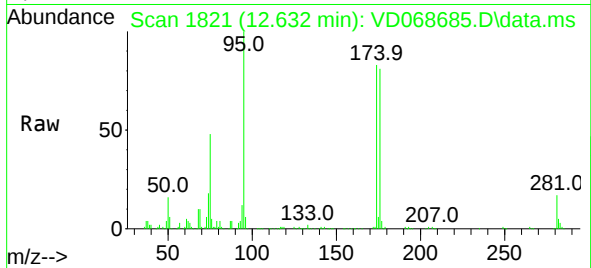




#76
1,2,3-Trichloropropane
Concen: 55.57 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

Instrument :
MSVOA_D
ClientSampleId :
VNJ-236

Tgt Ion: 75 Resp: 100721
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.44 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068685.D
Acq: 26 Mar 2021 15:36

Tgt Ion: 75 Resp: 100721
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 36.6 54.8#

