

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068275.D
 Acq On : 04 Feb 2021 13:53
 Operator : VA/SY
 Sample : VD0204SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 00:02:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	521478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	957164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	863013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	376302	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	283368	56.80	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.60%
35) Dibromofluoromethane	7.914	113	286662	54.17	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.34%
50) Toluene-d8	10.344	98	1190524	56.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.48%
62) 4-Bromofluorobenzene	12.632	95	378167	49.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.22%

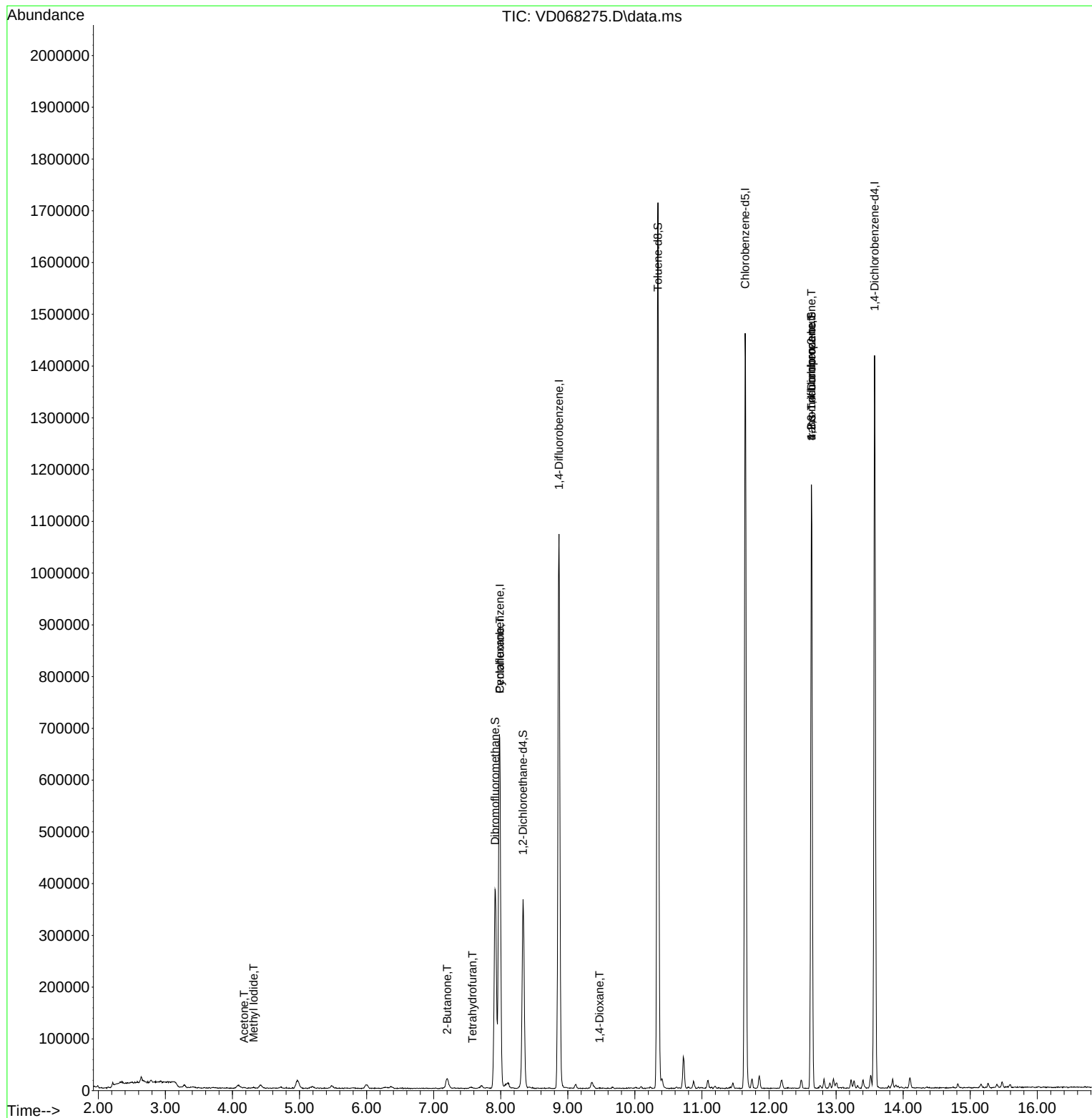
Target Compounds					Qvalue
10) Methyl Iodide	4.315	142	2552	3.54 ug/l	# 59
11) Tert butyl alcohol	5.173	59	1938	Below Cal	# 74
16) Acetone	4.173	43	3222	3.62 ug/l	94
20) Methylene Chloride	4.973	84	13828	Below Cal	# 82
25) 2-Butanone	7.203	43	1497	1.12 ug/l	# 43
29) Tetrahydrofuran	7.579	42	1500	1.73 ug/l	# 41
31) Cyclohexane	7.985	56	15835	1.47 ug/l	# 39
49) 1,4-Dioxane	9.473	88	140	3.57 ug/l	# 30
76) 1,2,3-Trichloropropane	12.632	75	193410	53.16 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	193410	107.57 ug/l	# 13

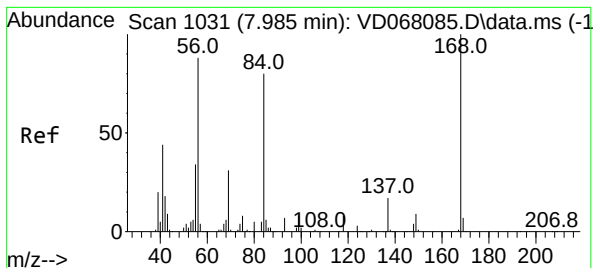
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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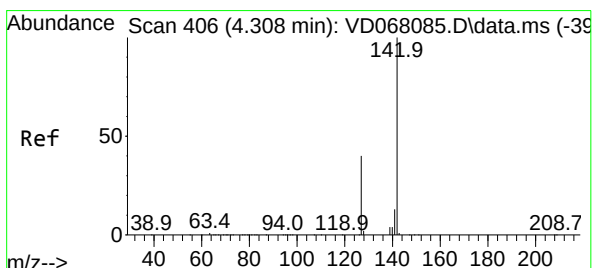
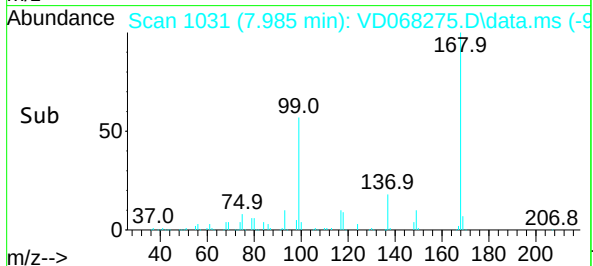
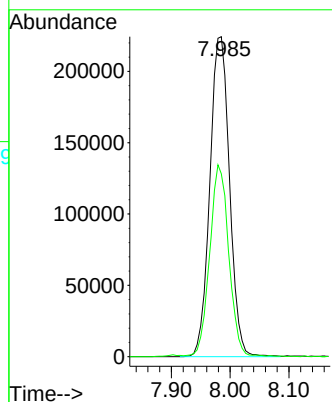
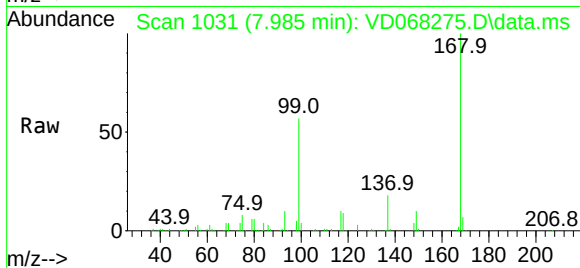




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

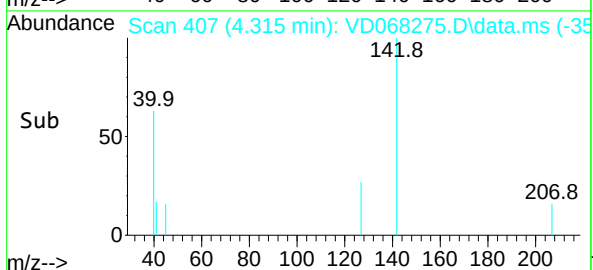
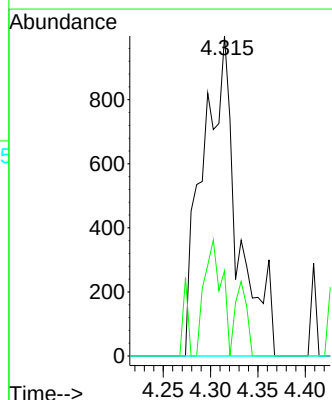
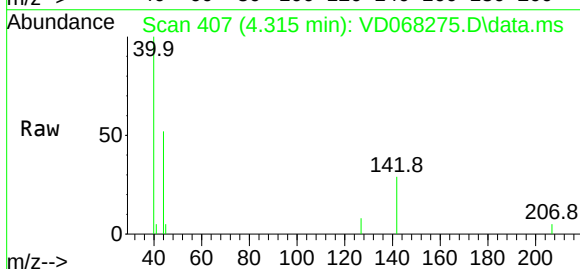
Instrument :
MSVOA_D
ClientSampled :

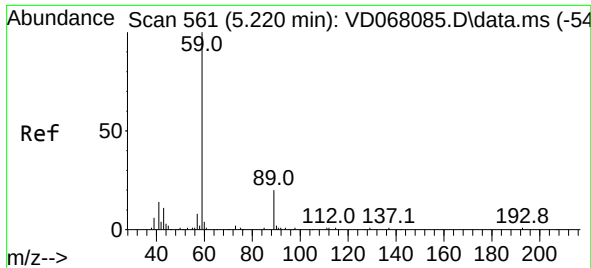
Tgt Ion:168 Resp: 521478
Ion Ratio Lower Upper
168 100
99 56.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.54 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

Tgt Ion:142 Resp: 2552
Ion Ratio Lower Upper
142 100
127 18.3 37.9 56.9#
141 0.0 11.5 17.3#

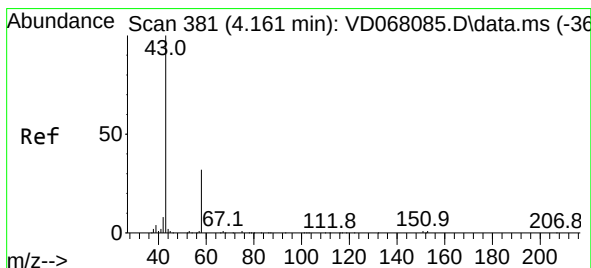
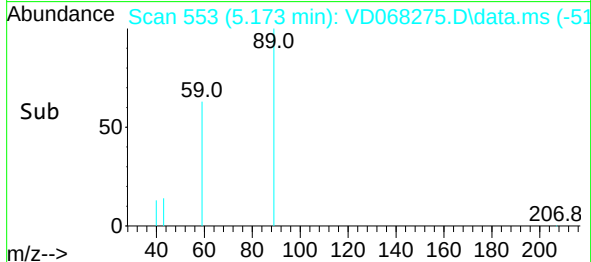
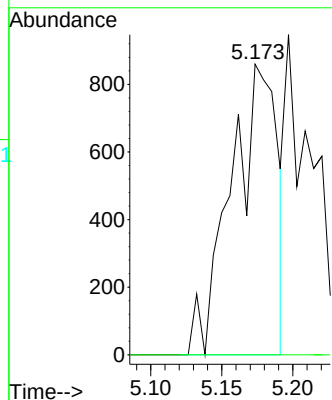
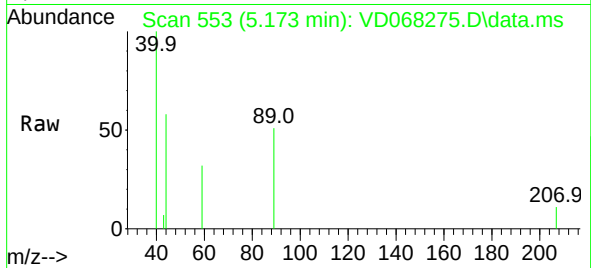




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

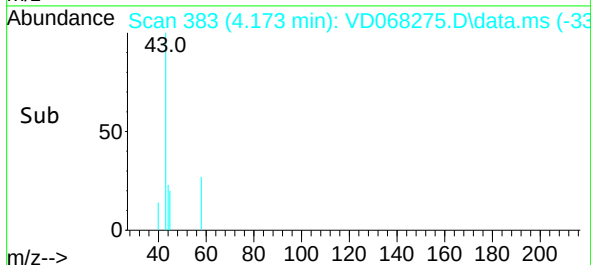
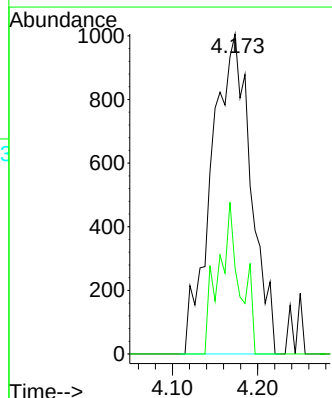
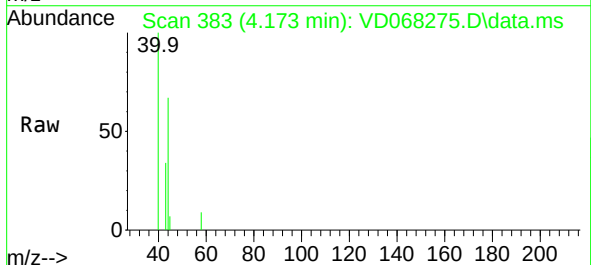
Instrument :
MSVOA_D
ClientSampleId :

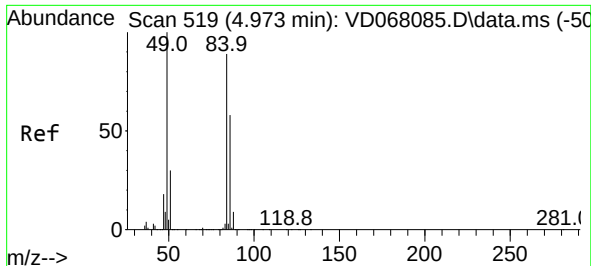
Tgt Ion: 59 Resp: 1938
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 3.62 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

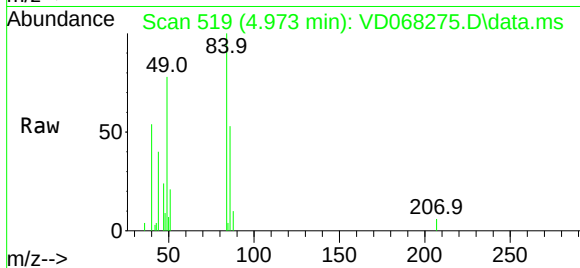
Tgt Ion: 43 Resp: 3222
Ion Ratio Lower Upper
43 100
58 26.8 24.2 36.4



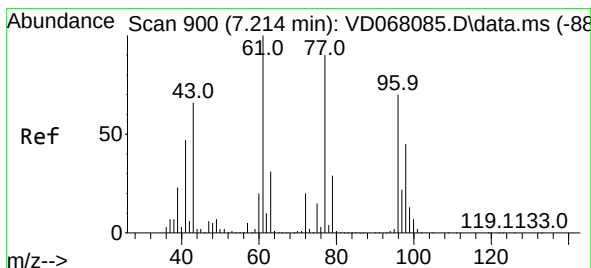
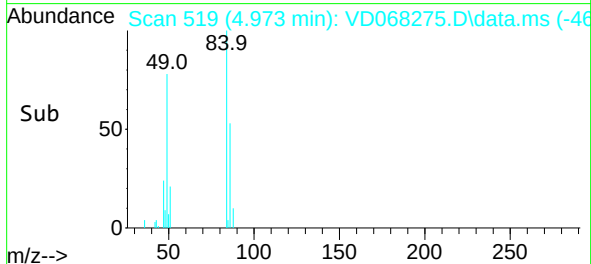
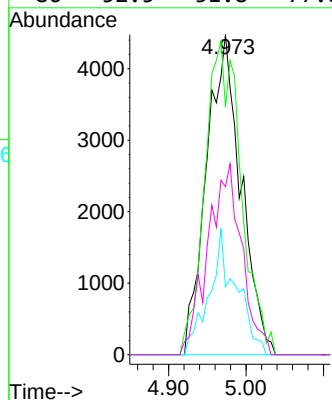


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

Instrument :
MSVOA_D
ClientSampleId :

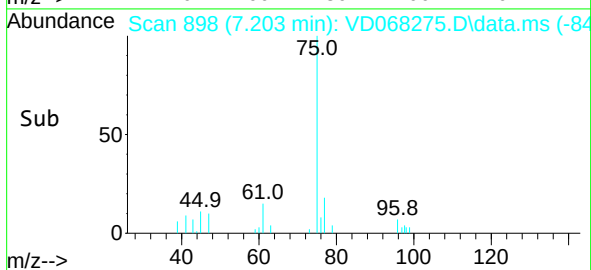
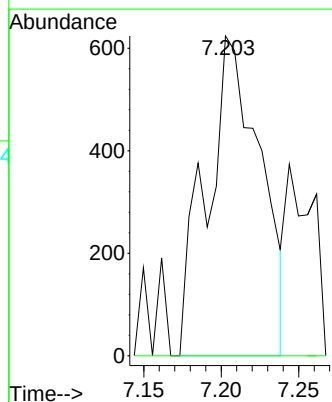
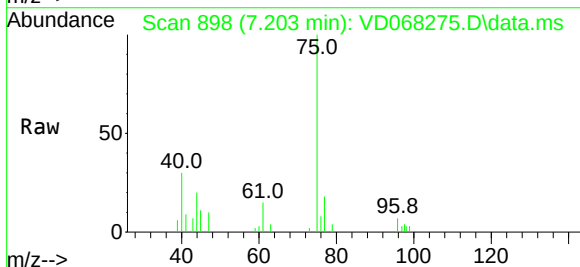


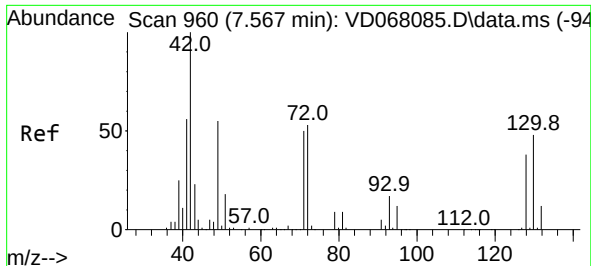
Tgt Ion:	84	Resp:	13828
Ion	Ratio	Lower	Upper
84	100		
49	77.5	77.4	116.2
51	21.2	26.1	39.1#
86	52.5	51.8	77.8



#25
2-Butanone
Concen: 1.12 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.011 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

Tgt Ion:	43	Resp:	1497
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.1	37.7#





#29

Tetrahydrofuran

Concen: 1.73 ug/l

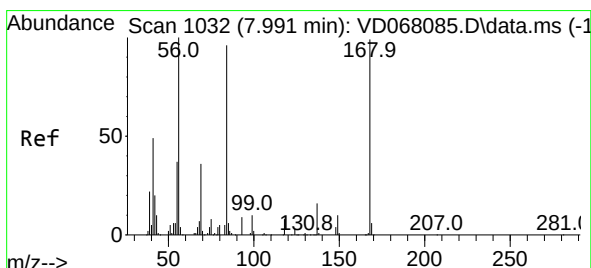
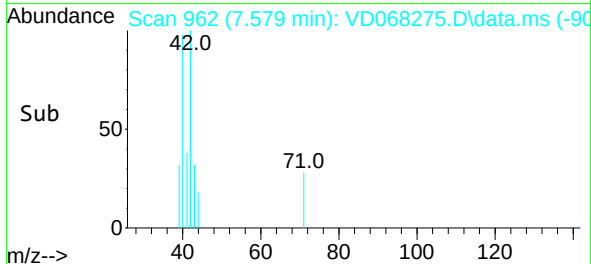
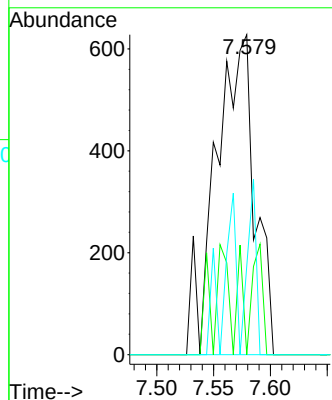
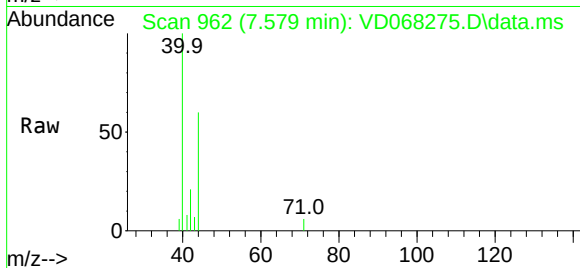
RT: 7.579 min Scan# 962

Delta R.T. 0.012 min

Lab File: VD068275.D

Acq: 04 Feb 2021 13:53

Tgt Ion:	42	Resp:	1500
Ion	Ratio	Lower	Upper
42	100		
72	5.1	43.4	65.0#
71	17.1	40.8	61.2#



#31

Cyclohexane

Concen: 1.47 ug/l

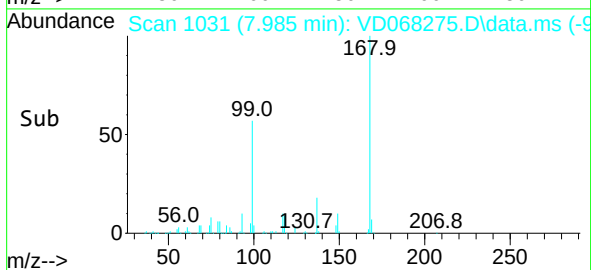
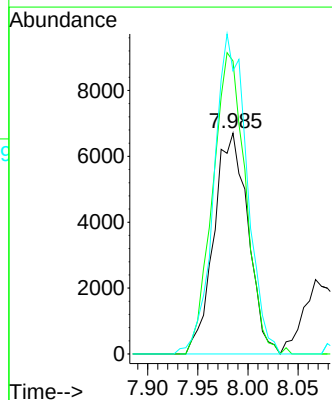
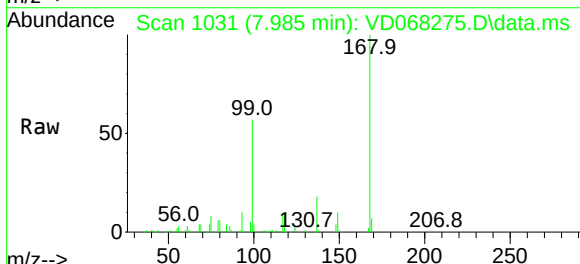
RT: 7.985 min Scan# 1031

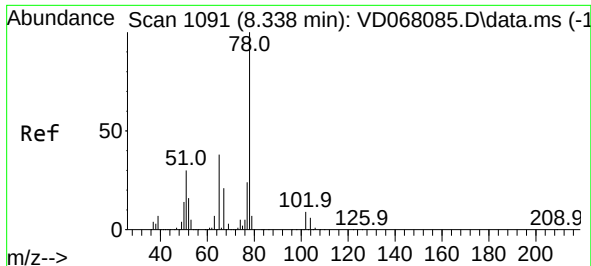
Delta R.T. -0.005 min

Lab File: VD068275.D

Acq: 04 Feb 2021 13:53

Tgt Ion:	56	Resp:	15835
Ion	Ratio	Lower	Upper
56	100		
69	132.6	30.1	45.1#
84	128.2	82.1	123.1#

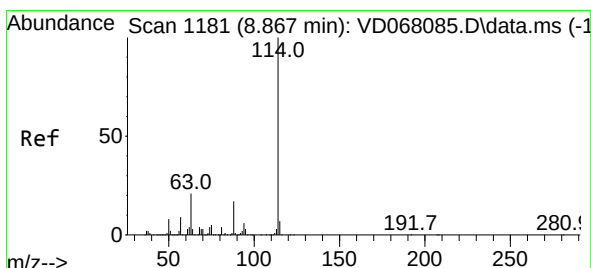
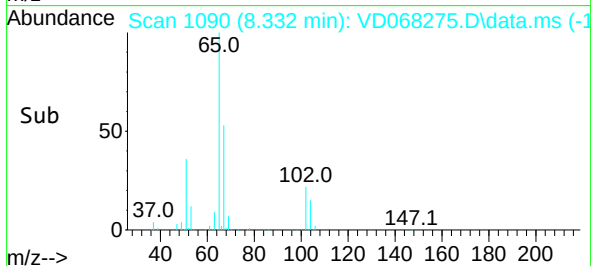
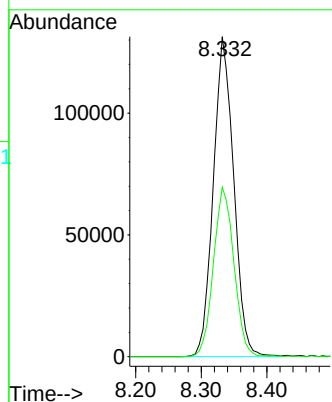
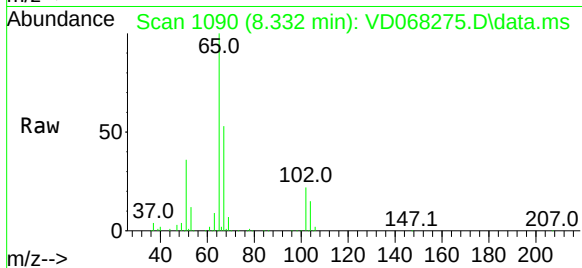




#33
 1,2-Dichloroethane-d4
 Concen: 56.80 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.005 min
 Lab File: VD068275.D
 Acq: 04 Feb 2021 13:53

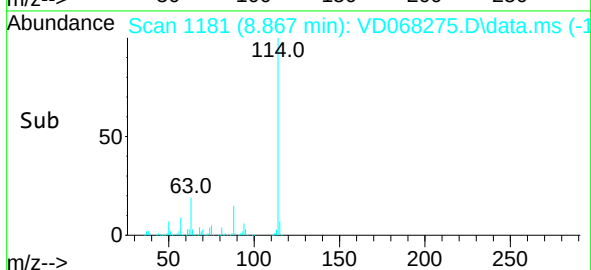
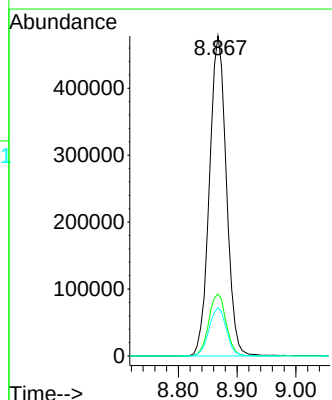
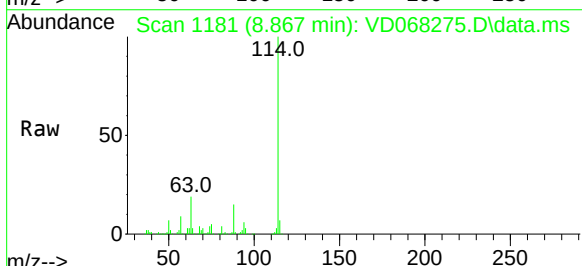
Instrument :
 MSVOA_D
 ClientSampleId :

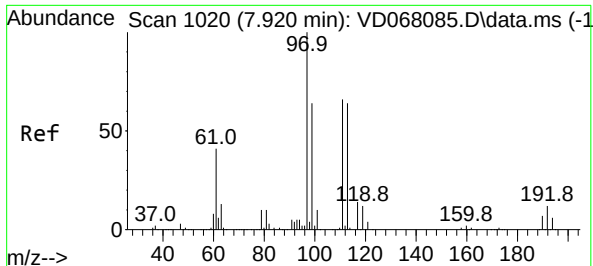
Tgt Ion: 65 Resp: 283368
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068275.D
 Acq: 04 Feb 2021 13:53

Tgt Ion: 114 Resp: 957164
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 34.8
 88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 54.17 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD068275.D

Acq: 04 Feb 2021 13:53

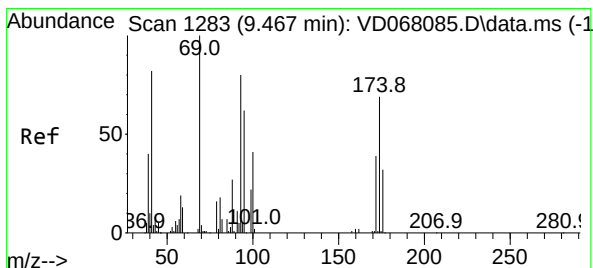
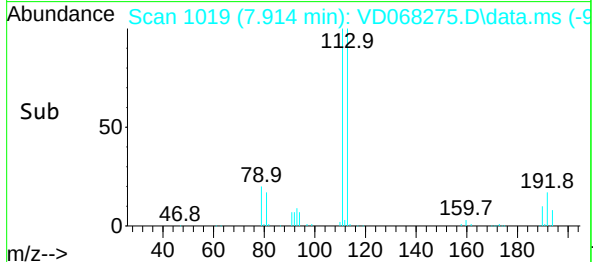
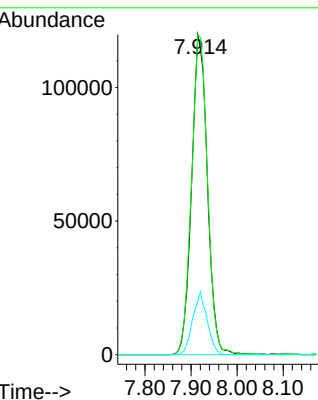
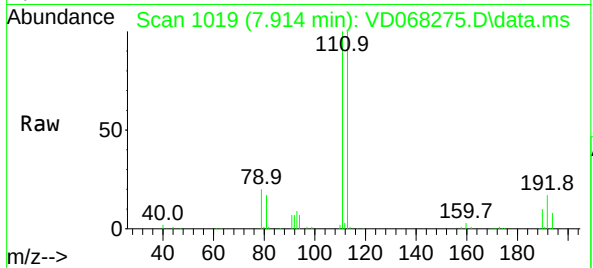
Tgt Ion:113 Resp: 286662

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 18.0 16.1 24.1



#49

1,4-Dioxane

Concen: 3.57 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.006 min

Lab File: VD068275.D

Acq: 04 Feb 2021 13:53

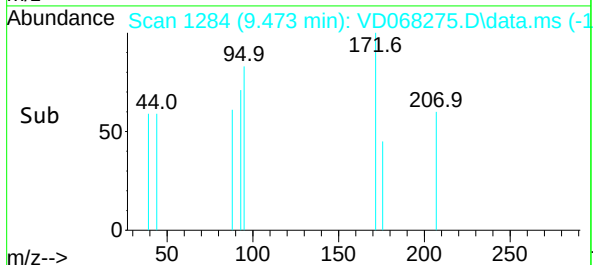
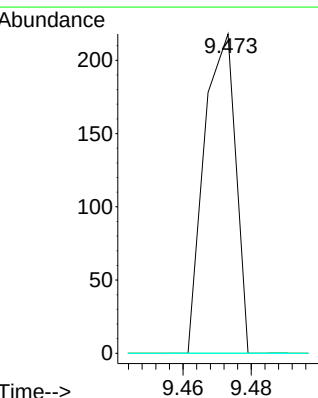
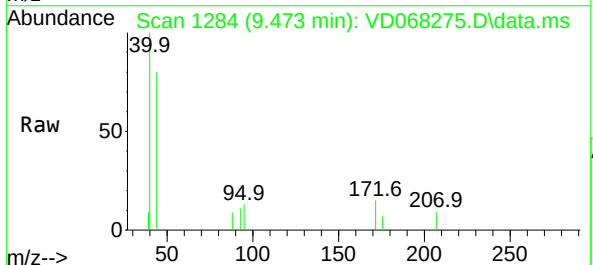
Tgt Ion: 88 Resp: 140

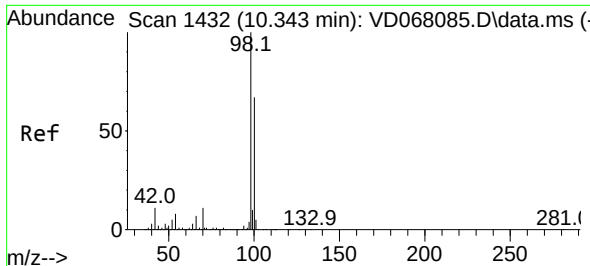
Ion Ratio Lower Upper

88 100

43 0.0 22.1 33.1#

58 0.0 46.7 70.1#

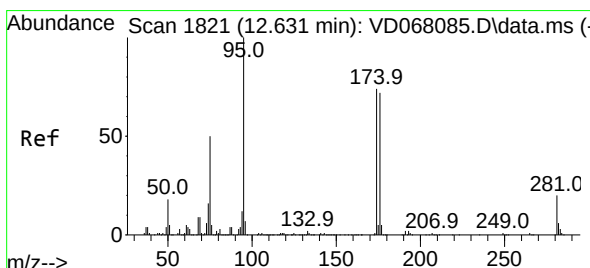
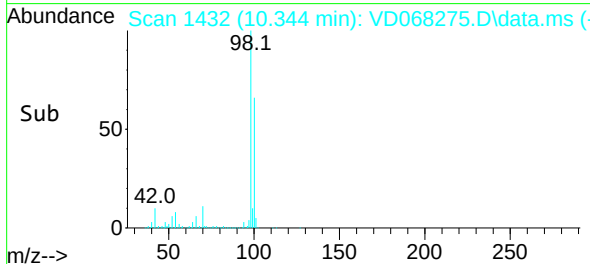
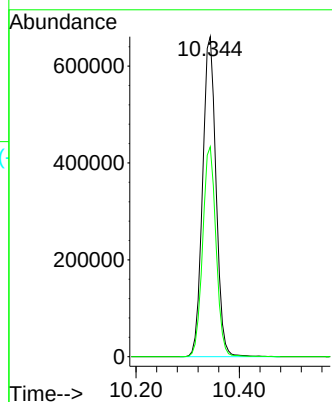
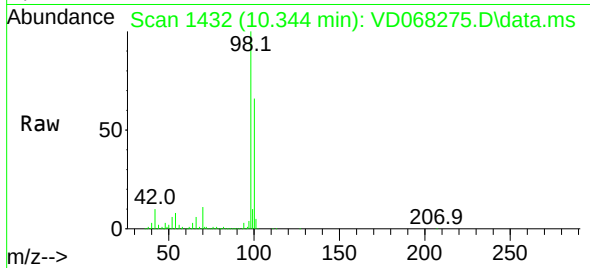




#50
Toluene-d8
Concen: 56.24 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

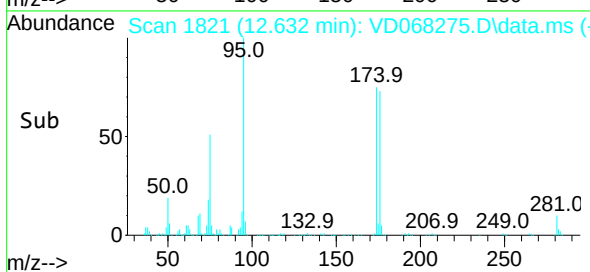
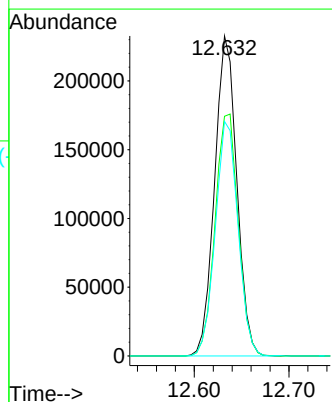
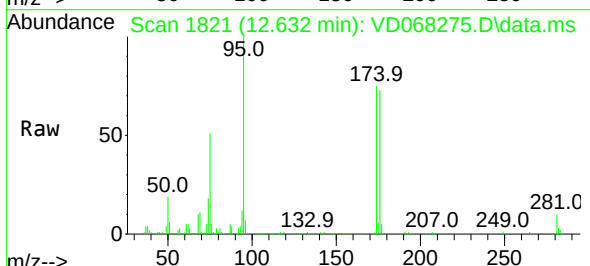
Instrument :
MSVOA_D
ClientSampleId :

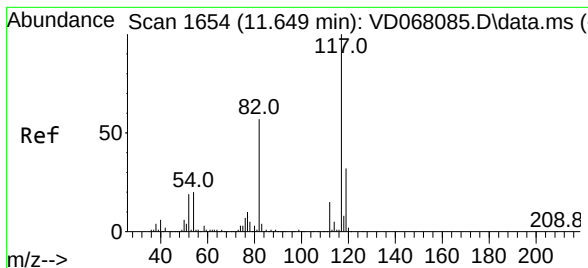
Tgt Ion: 98 Resp: 1190524
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

Tgt Ion: 95 Resp: 378167
Ion Ratio Lower Upper
95 100
174 79.0 0.0 172.4
176 75.1 0.0 168.4

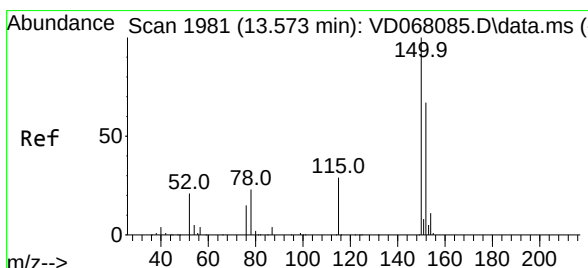
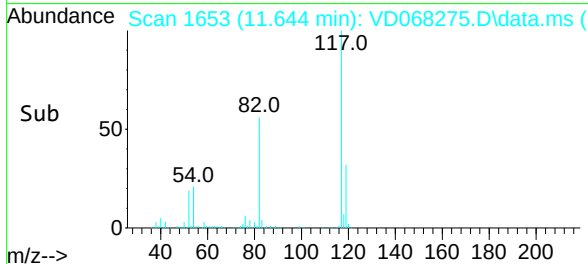
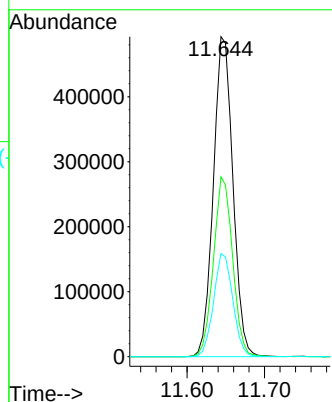
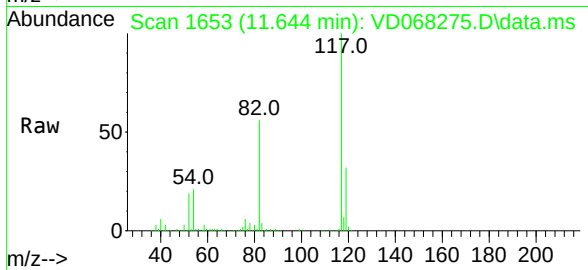




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

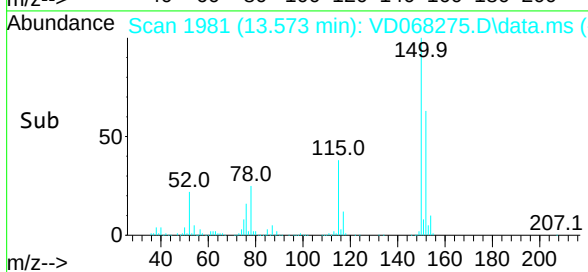
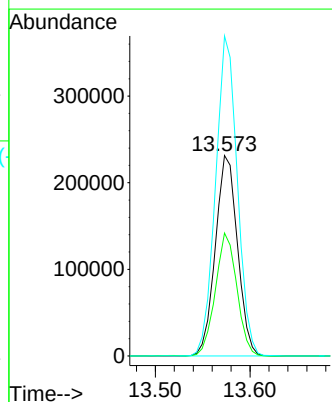
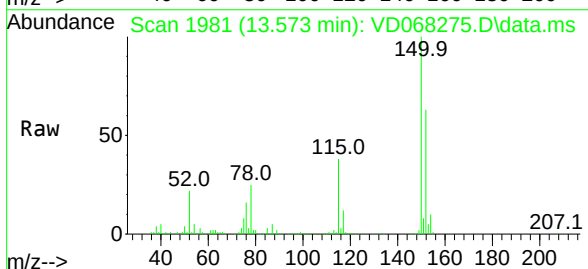
Instrument :
MSVOA_D
ClientSampleId :

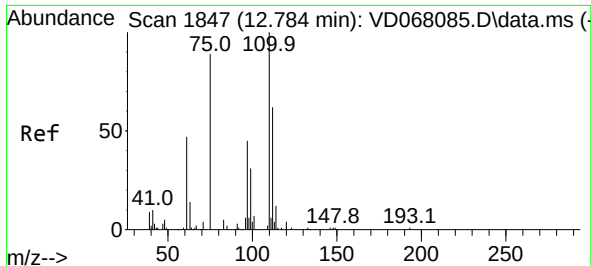
Tgt Ion:117 Resp: 863013
Ion Ratio Lower Upper
117 100
82 56.2 41.4 62.0
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

Tgt Ion:152 Resp: 376302
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.8
150 156.8 0.0 344.4

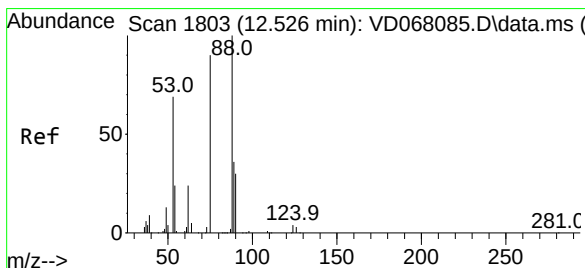
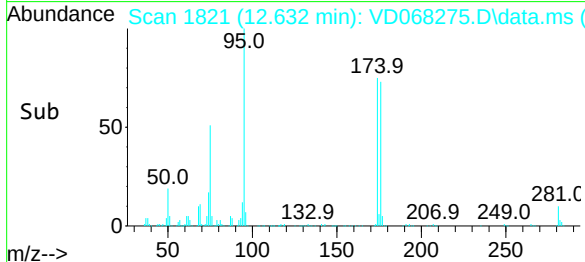
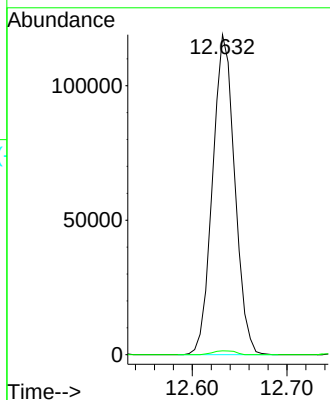
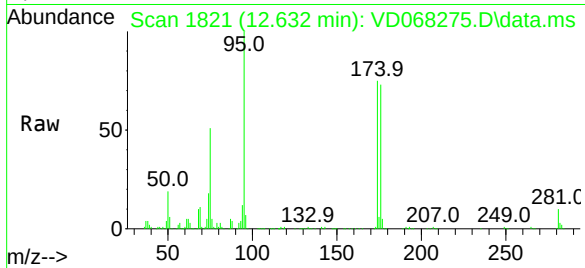




#76
1,2,3-Trichloropropane
Concen: 53.16 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 193410
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.57 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068275.D
Acq: 04 Feb 2021 13:53

Tgt Ion: 75 Resp: 193410
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

