

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042621\
 Data File : VD068987.D
 Acq On : 26 Apr 2021 14:36
 Operator : VA/SY
 Sample : M2182-01
 Misc : 6.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 27 07:12:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

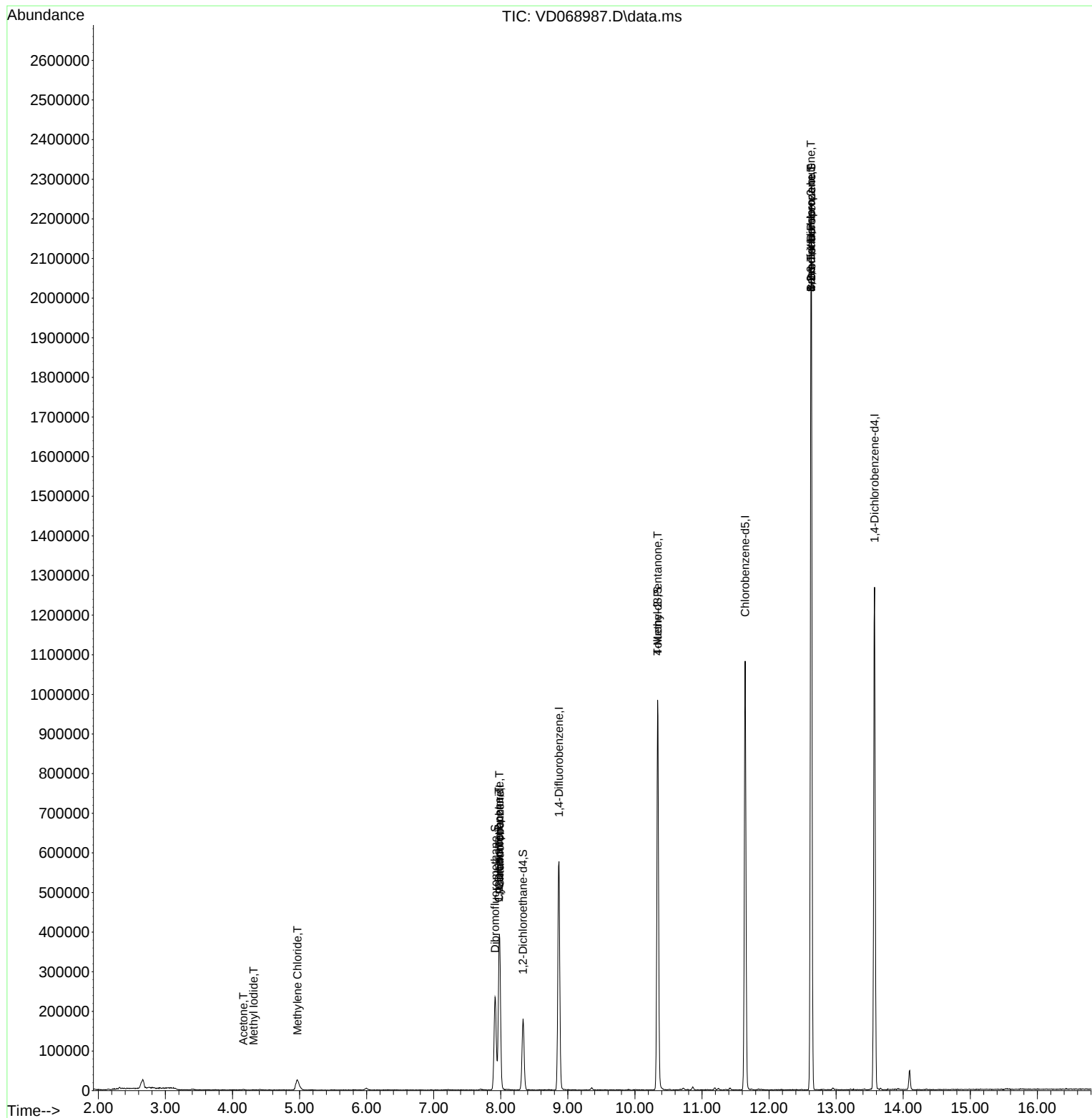
Internal Standards						
1) Pentafluorobenzene	7.985	168	309113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	530634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	657802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	351190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	139509	42.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.40%		
35) Dibromofluoromethane	7.914	113	168540	48.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.66%		
50) Toluene-d8	10.338	98	687453	52.80	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.60%		
62) 4-Bromofluorobenzene	12.632	95	329493	76.20	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	152.40%#		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.314	142	591	2.40	ug/l #	74
11) Tert butyl alcohol	5.232	59	186	Below Cal	#	73
16) Acetone	4.161	43	1947	4.30	ug/l #	85
20) Methylene Chloride	4.967	84	22601	1.50	ug/l #	91
31) Cyclohexane	7.973	56	7063	1.30	ug/l #	13
36) 1,1-Dichloropropene	7.973	75	21501	4.00	ug/l #	51
38) Carbon Tetrachloride	7.979	117	30316	5.70	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	2318	1.43	ug/l #	1
71) Bromoform	12.626	173	2808	1.02	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	169401	52.80	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	169401	122.53	ug/l #	17

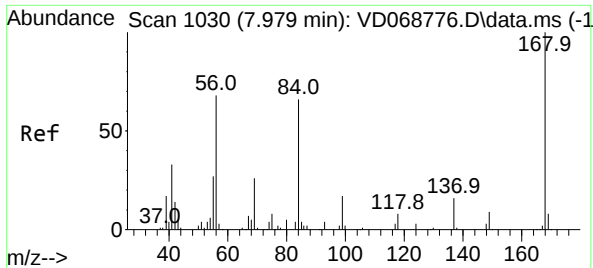
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 27 07:12:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

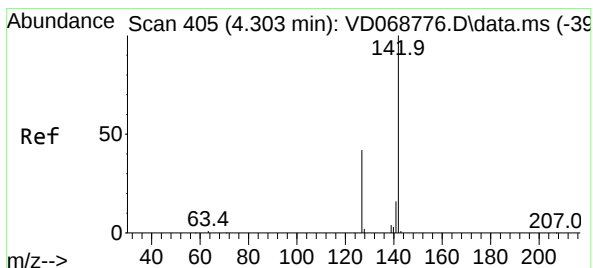
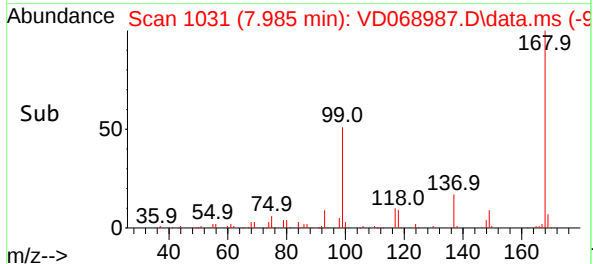
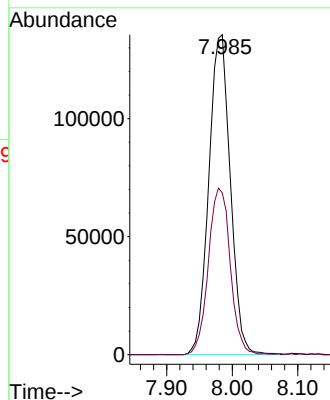
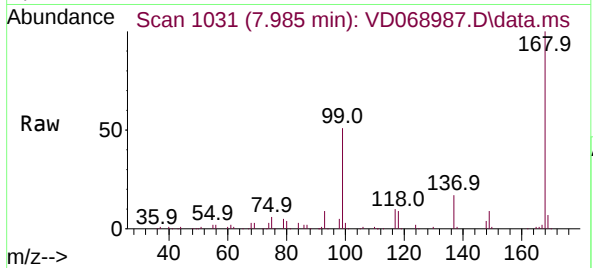




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

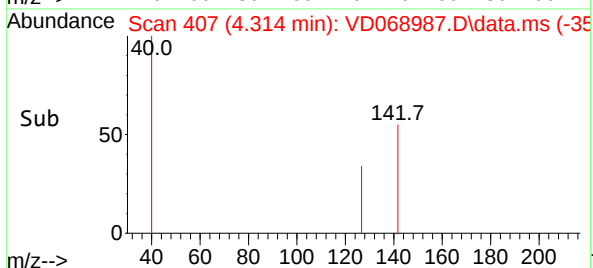
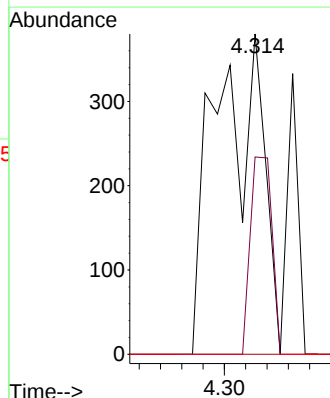
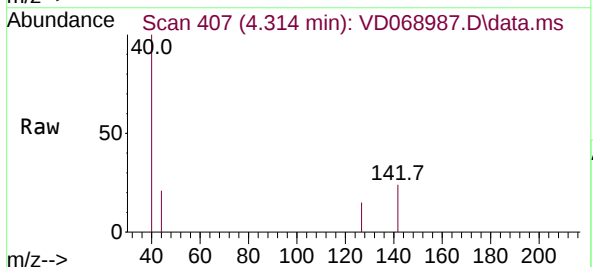
Instrument :
MSVOA_D
ClientSampled :

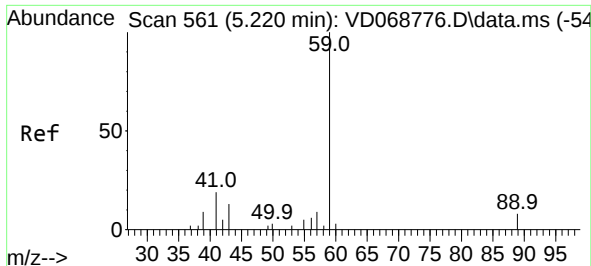
Tgt Ion:168 Resp: 309113
Ion Ratio Lower Upper
168 100
99 50.6 46.2 69.2



#10
Methyl Iodide
Concen: 2.40 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Tgt Ion:142 Resp: 591
Ion Ratio Lower Upper
142 100
127 27.9 34.7 52.1#
141 0.0 11.0 16.4#



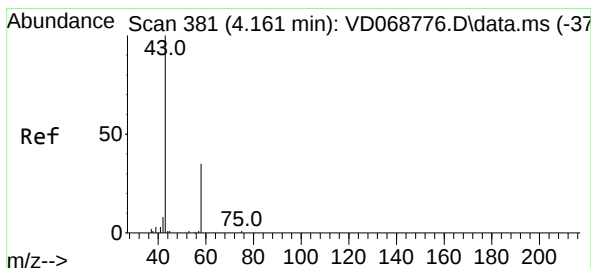
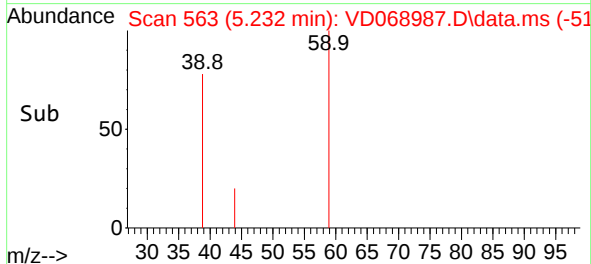
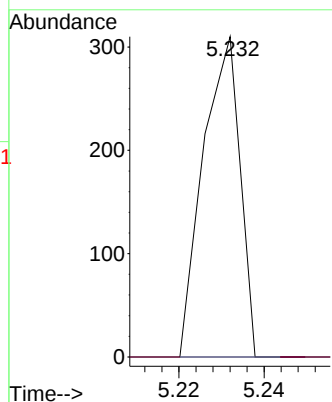
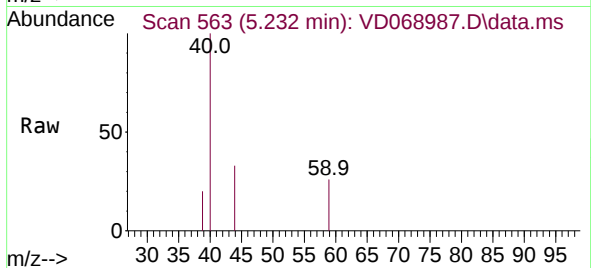


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Instrument :
MSVOA_D
ClientSampled :

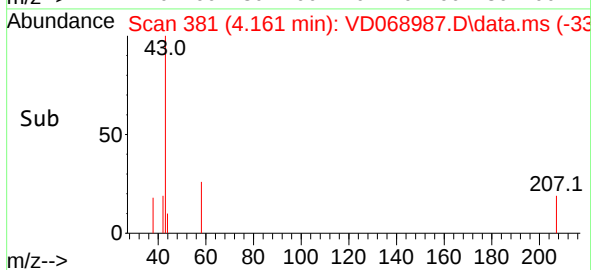
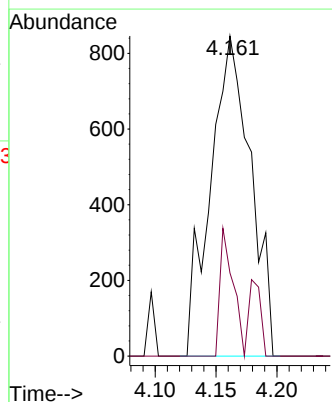
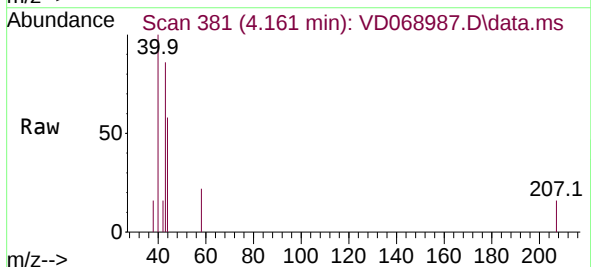
Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

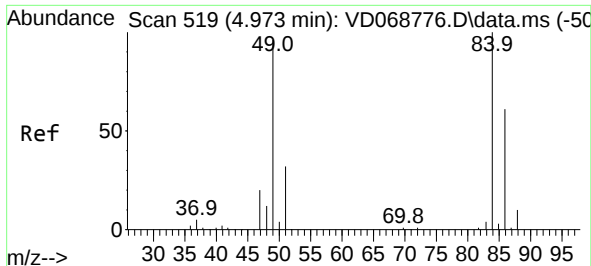


#16

Acetone
Concen: 4.30 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
58 26.0 28.0 42.0#

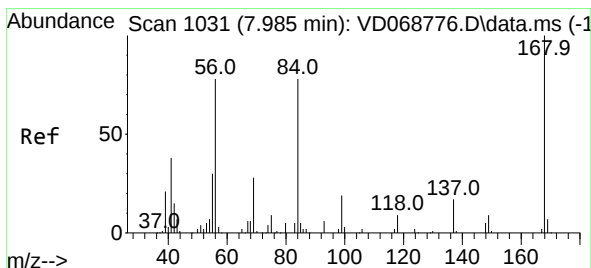
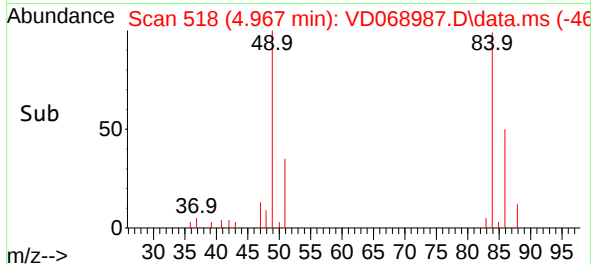
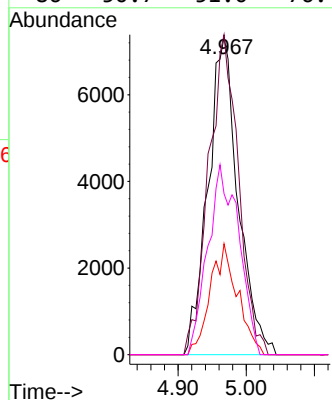
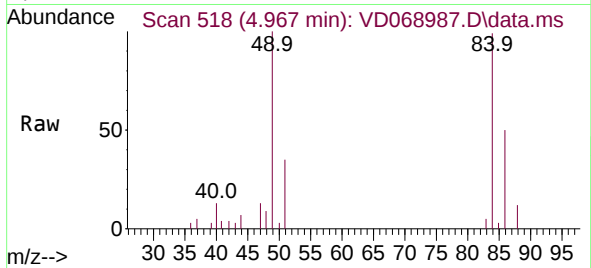




#20
Methylene Chloride
Concen: 1.50 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

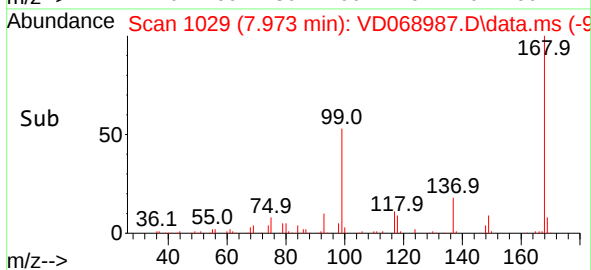
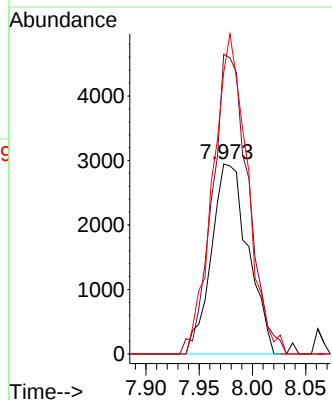
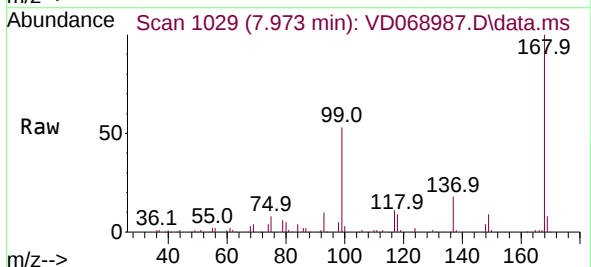
Instrument :
MSVOA_D
ClientSampleId :

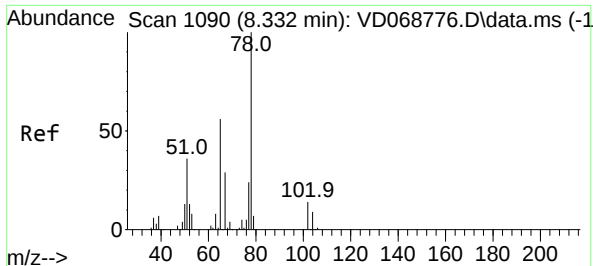
Tgt Ion:	84	Resp:	22601
Ion	Ratio	Lower	Upper
84	100		
49	100.8	83.4	125.0
51	34.9	23.4	35.2
86	50.7	51.0	76.4#



#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Tgt Ion:	56	Resp:	7063
Ion	Ratio	Lower	Upper
56	100		
69	157.8	30.0	45.0#
84	148.2	82.0	123.0#



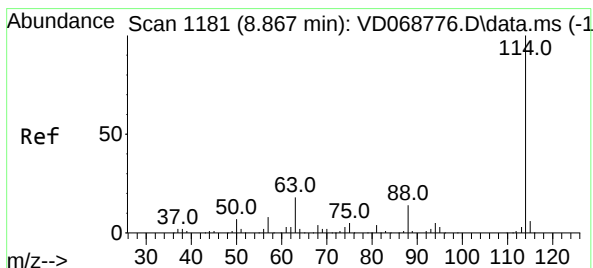
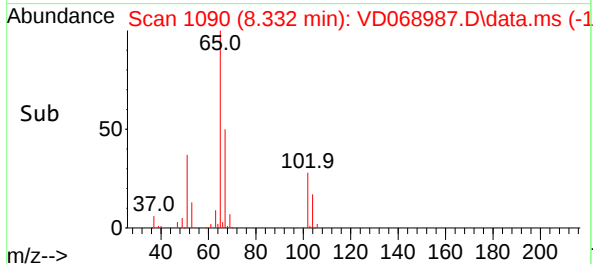
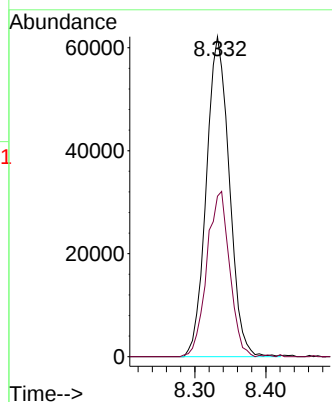
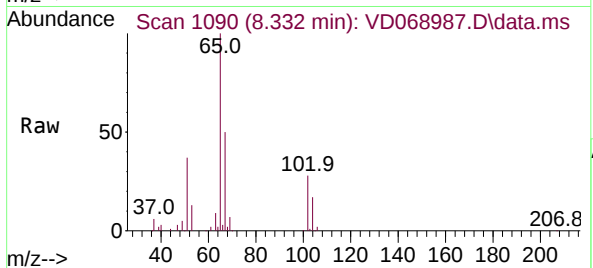


#33

1,2-Dichloroethane-d4
Concen: 42.70 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Instrument :
MSVOA_D
ClientSampleId :

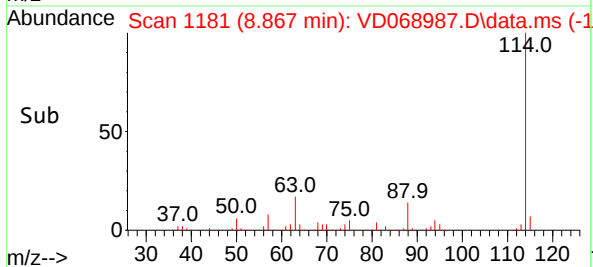
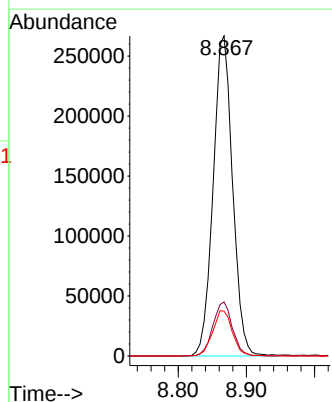
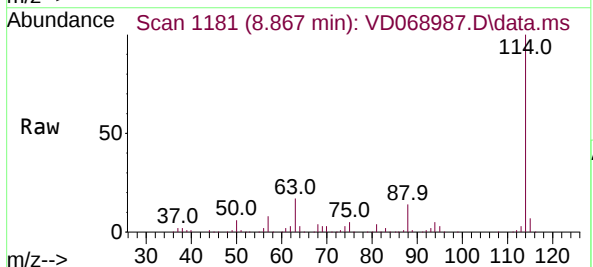
Tgt Ion: 65 Resp: 139509
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.0

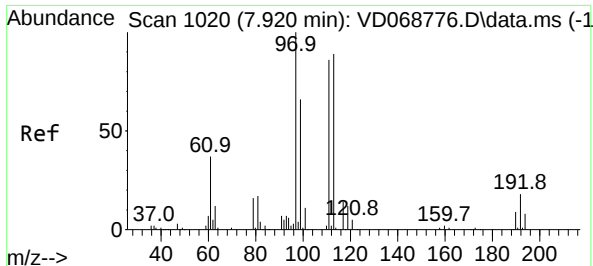


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Tgt Ion: 114 Resp: 530634
Ion Ratio Lower Upper
114 100
63 16.9 0.0 38.2
88 14.0 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.83 ug/l

RT: 7.914 min Scan# 1019

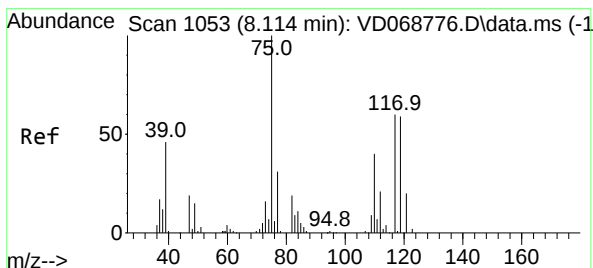
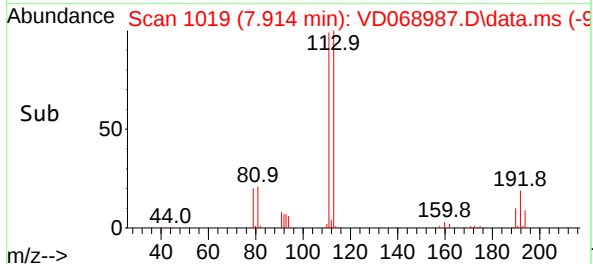
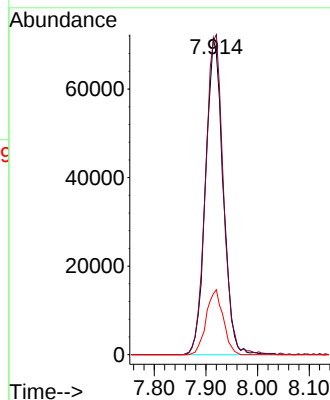
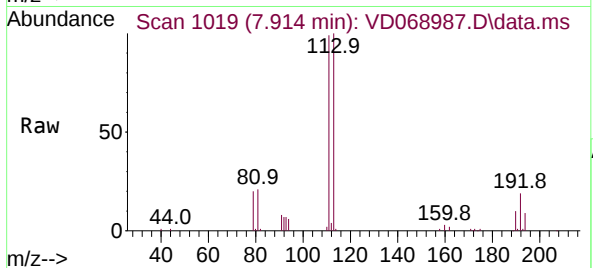
Delta R.T. -0.006 min

Lab File: VD068987.D

Acq: 26 Apr 2021 14:36

Tgt Ion:	113	Resp:	168540
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.5	123.7
192	19.9	15.1	22.7

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.00 ug/l

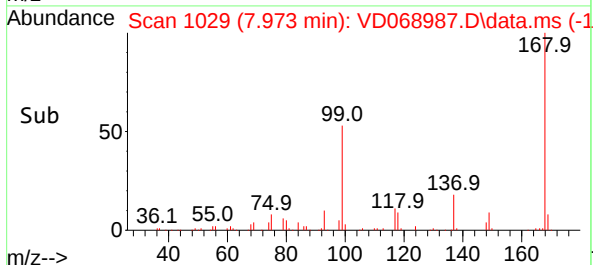
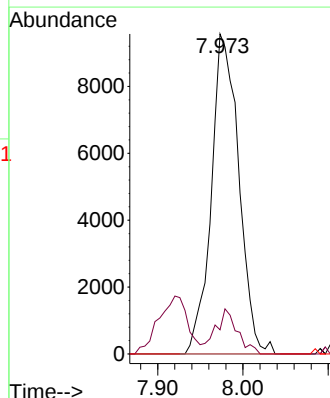
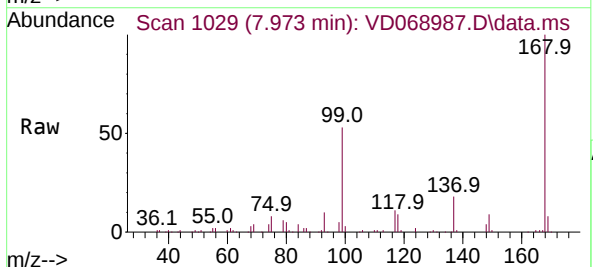
RT: 7.973 min Scan# 1029

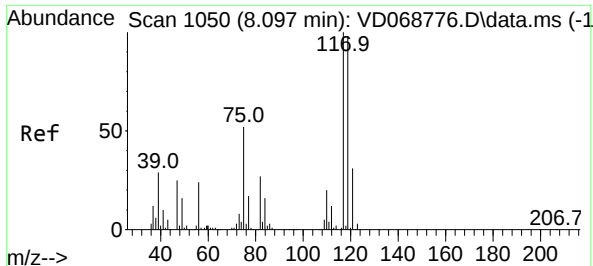
Delta R.T. -0.141 min

Lab File: VD068987.D

Acq: 26 Apr 2021 14:36

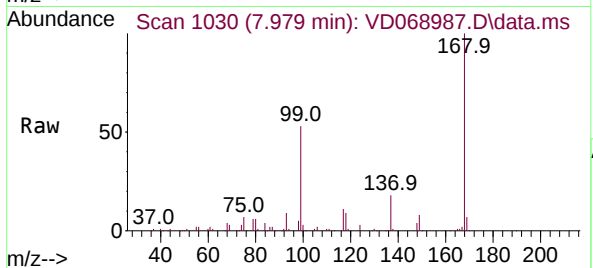
Tgt Ion:	75	Resp:	21501
Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.1	54.4#
77	0.0	24.7	37.1#



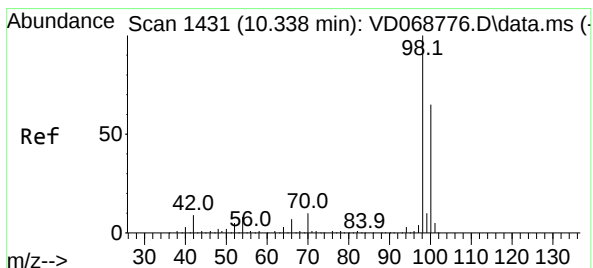
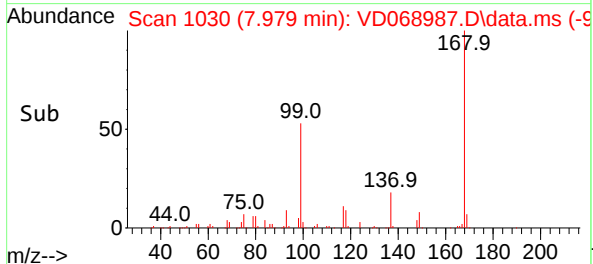
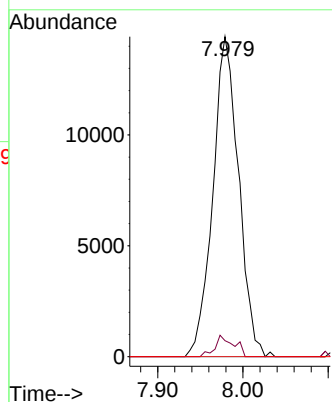


#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Instrument :
MSVOA_D
ClientSampleId :

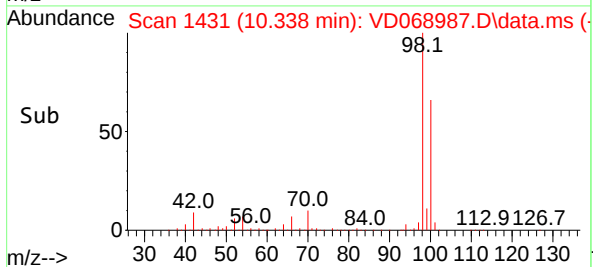
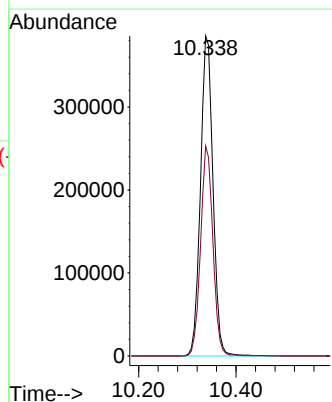
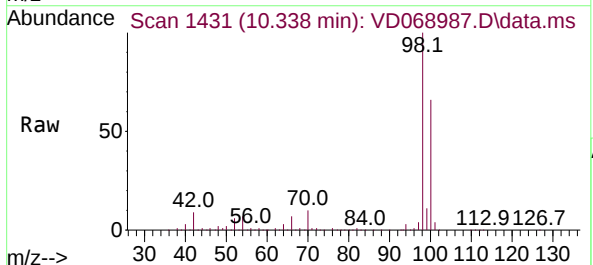


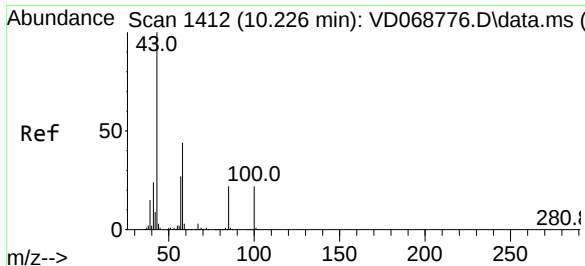
Tgt Ion:117 Resp: 30316
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.80 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Tgt Ion: 98 Resp: 687453
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

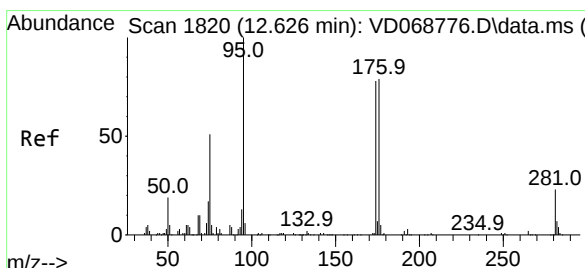
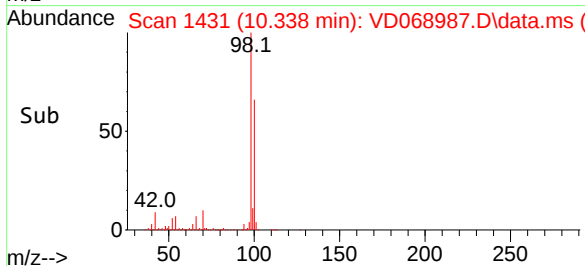
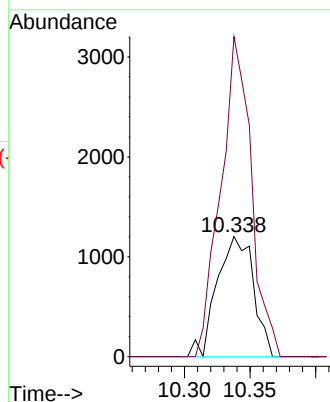
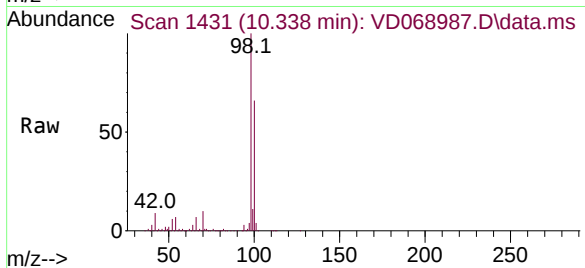




#51
4-Methyl-2-Pentanone
Concen: 1.43 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

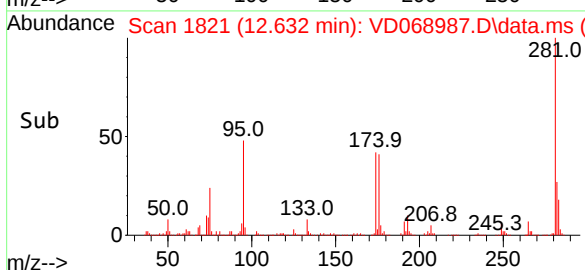
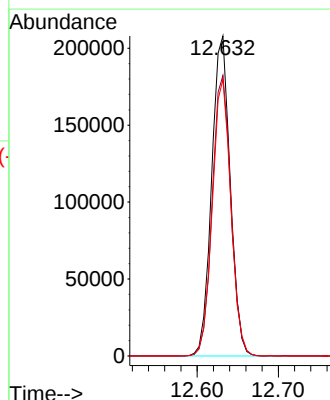
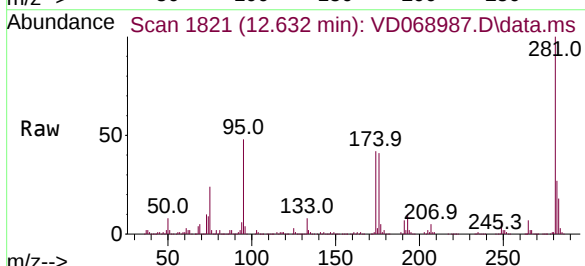
Instrument :
MSVOA_D
ClientSampled :

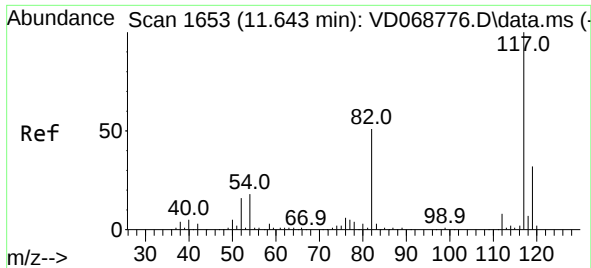
Tgt Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
58 224.5 37.3 55.9#



#62
4-Bromofluorobenzene
Concen: 76.20 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Tgt Ion: 95 Resp: 329493
Ion Ratio Lower Upper
95 100
174 88.1 0.0 168.0
176 86.3 0.0 160.2

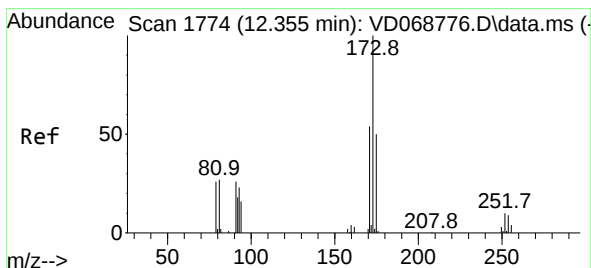
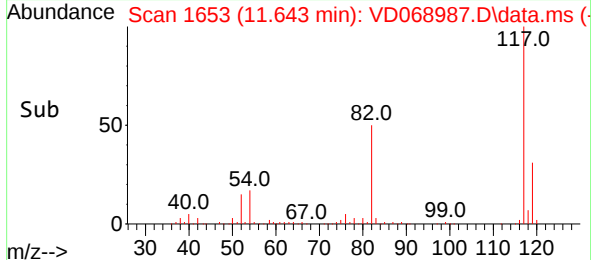
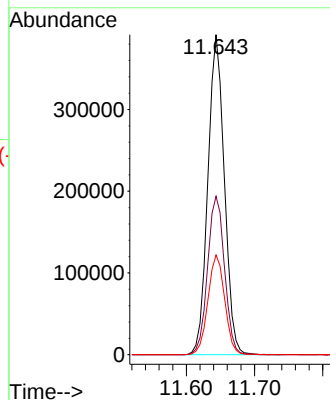
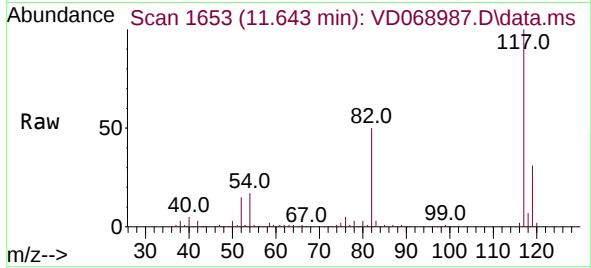




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

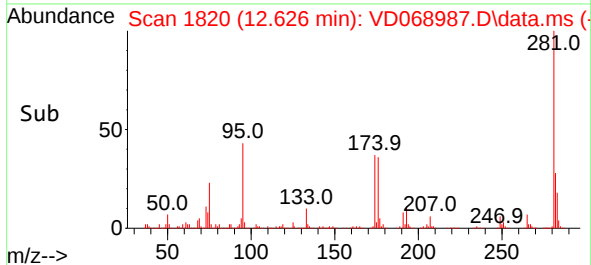
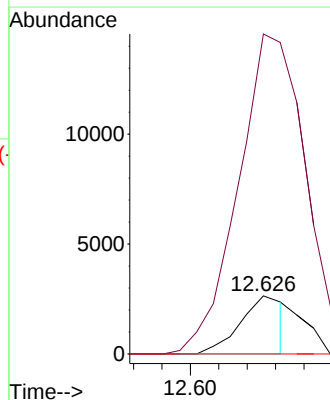
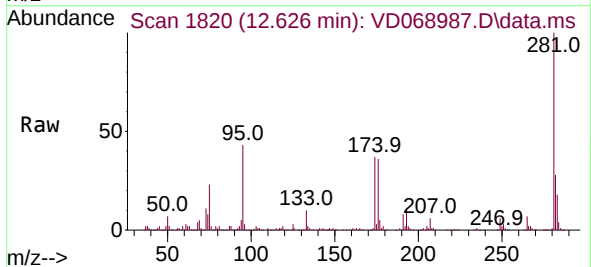
Instrument :
MSVOA_D
ClientSampled :

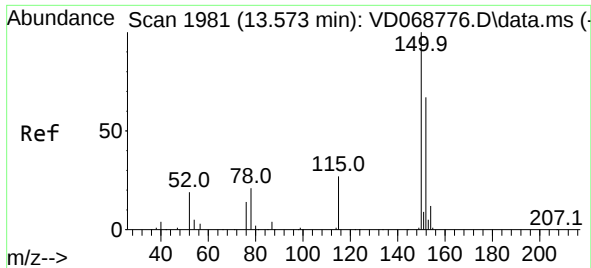
Tgt Ion:117 Resp: 657802
Ion Ratio Lower Upper
117 100
82 49.5 43.5 65.3
119 31.2 26.7 40.1



#71
Bromoform
Concen: 1.02 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD068987.D
Acq: 26 Apr 2021 14:36

Tgt Ion:173 Resp: 2808
Ion Ratio Lower Upper
173 100
175 599.3 23.6 71.0#
254 0.0 0.0 0.0

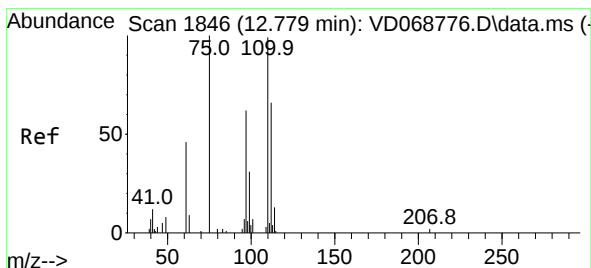
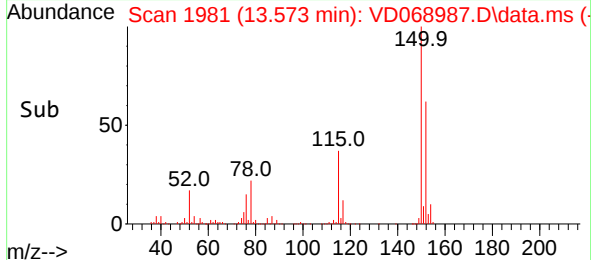
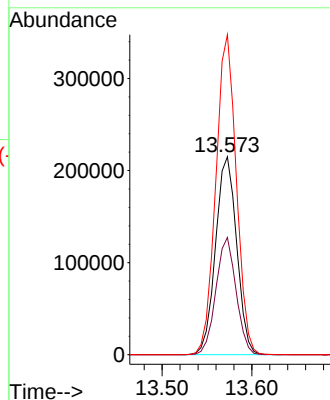
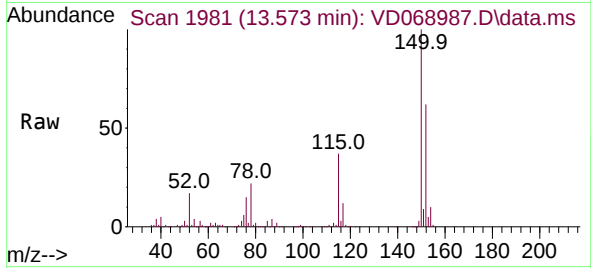




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. -0.000 min
 Lab File: VD068987.D
 Acq: 26 Apr 2021 14:36

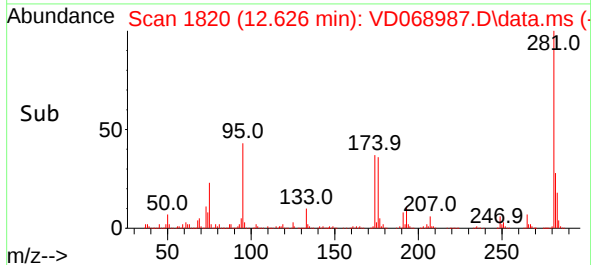
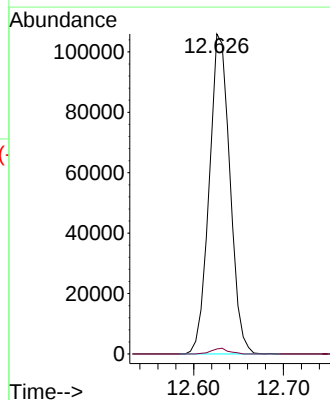
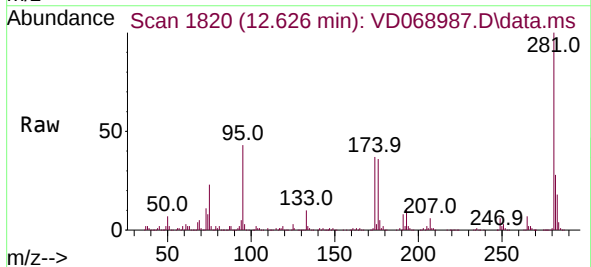
Instrument :
 MSVOA_D
 ClientSampled :

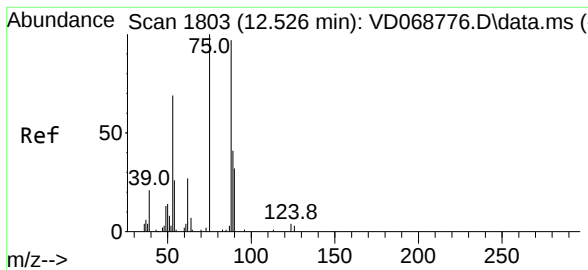
Tgt Ion:152 Resp: 351190
 Ion Ratio Lower Upper
 152 100
 115 56.6 29.3 87.8
 150 157.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 52.80 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD068987.D
 Acq: 26 Apr 2021 14:36

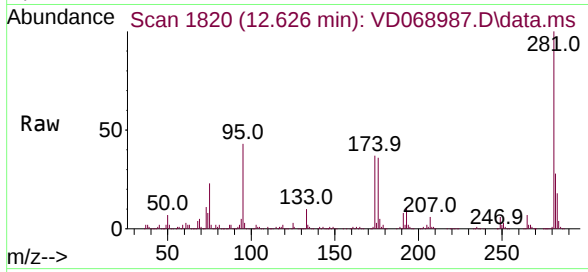
Tgt Ion: 75 Resp: 169401
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.53 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.100 min
 Lab File: VD068987.D
 Acq: 26 Apr 2021 14:36

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 169401
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.8 100.2#
 89 2.0 36.6 54.8#

