

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068587.D
 Acq On : 11 Mar 2021 16:09
 Operator : VA/SY
 Sample : M1640-01
 Misc : 6.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 12 00:13:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

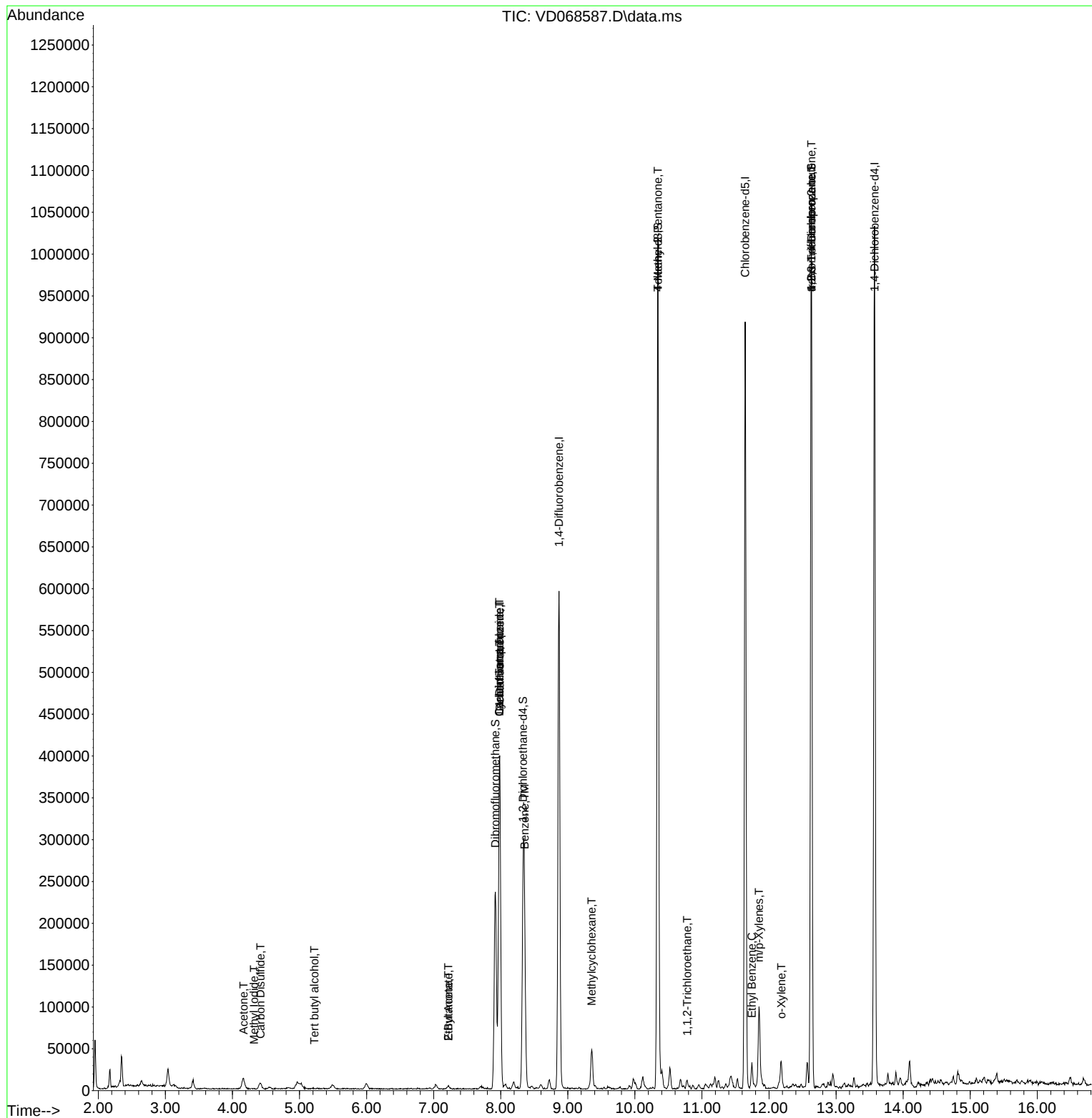
Internal Standards						
1) Pentafluorobenzene	7.985	168	297216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	546554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	537685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	281446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	166977	56.23	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.46%			
35) Dibromofluoromethane	7.920	113	171376	52.05	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.10%			
50) Toluene-d8	10.344	98	682510	52.04	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.08%			
62) 4-Bromofluorobenzene	12.632	95	242786	57.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.88%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.321	142	157	2.66	ug/l #	38
11) Tert butyl alcohol	5.220	59	243	1.53	ug/l #	74
16) Acetone	4.168	43	20818	44.13	ug/l	97
17) Carbon Disulfide	4.421	76	15720	1.61	ug/l #	95
20) Methylene Chloride	4.962	84	5350	Below Cal	#	74
25) 2-Butanone	7.220	43	4145	6.11	ug/l	96
31) Cyclohexane	7.979	56	14945	2.77	ug/l #	74
36) 1,1-Dichloropropene	7.979	75	21802	4.20	ug/l #	48
37) Ethyl Acetate	7.220	43	4145	2.40	ug/l #	64
38) Carbon Tetrachloride	7.979	117	28633	5.87	ug/l #	17
39) Methylcyclohexane	9.356	83	20751	3.24	ug/l	87
40) Benzene	8.356	78	173587	11.65	ug/l	91
51) 4-Methyl-2-Pentanone	10.344	43	3486	2.10	ug/l #	1
55) 1,1,2-Trichloroethane	10.779	97	3843	1.43	ug/l #	22
67) Ethyl Benzene	11.744	91	19814	1.01	ug/l	89
68) m/p-Xylenes	11.850	106	27175	3.66	ug/l	97
69) o-Xylene	12.185	106	8797	1.29	ug/l	92
76) 1,2,3-Trichloropropane	12.632	75	125316	50.16	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	125316	117.04	ug/l #	14

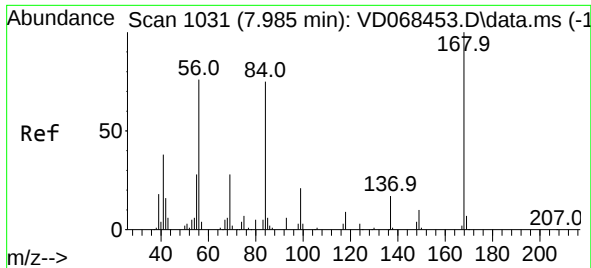
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: Mar 12 00:13:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
Response via : Initial Calibration

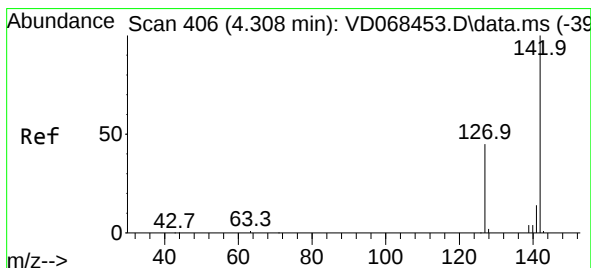
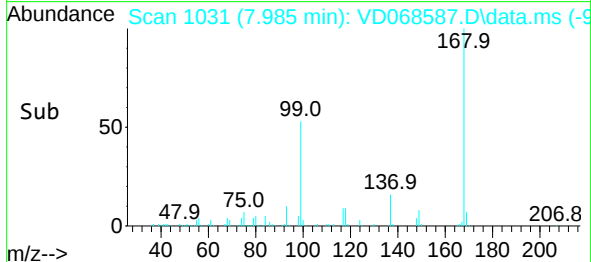
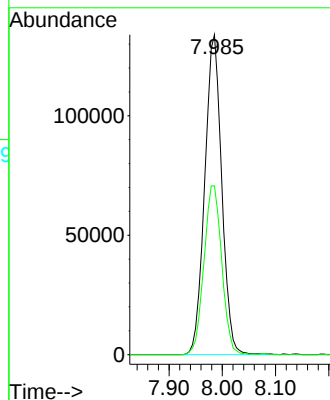
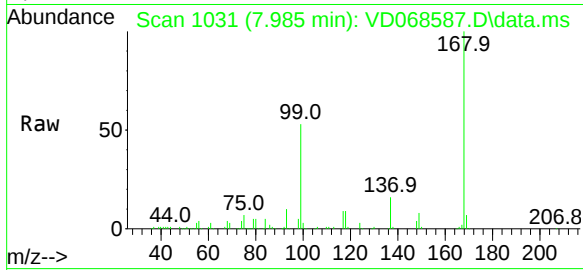




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

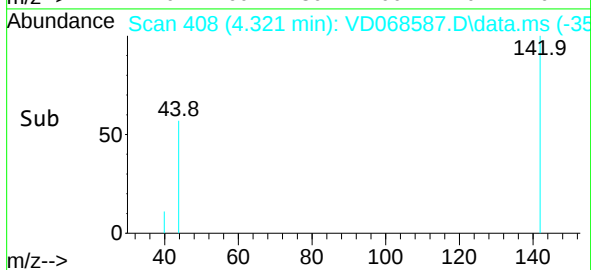
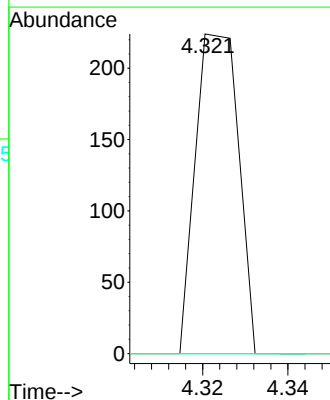
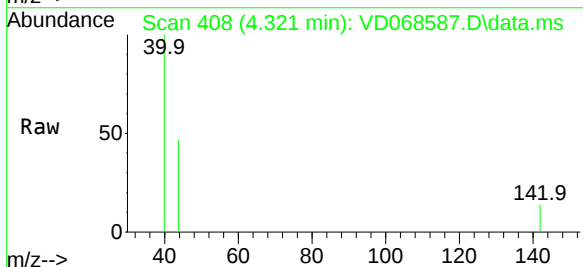
Instrument :
MSVOA_D
ClientSampleId :

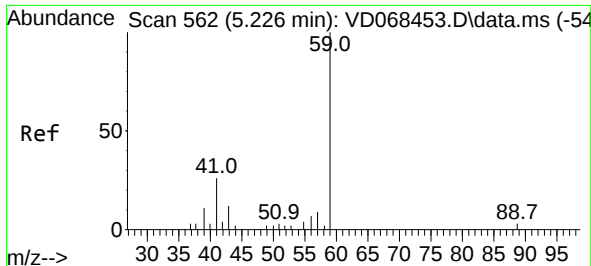
Tgt Ion:168 Resp: 297216
Ion Ratio Lower Upper
168 100
99 52.8 43.5 65.3



#10
Methyl Iodide
Concen: 2.66 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.013 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

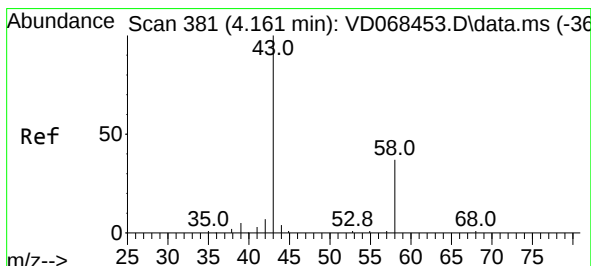
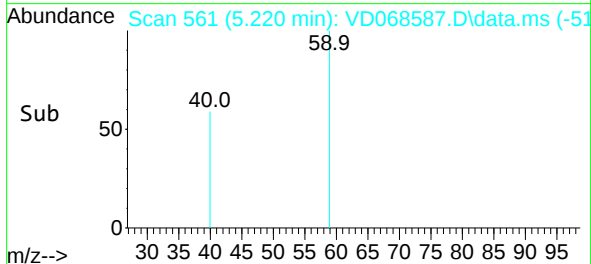
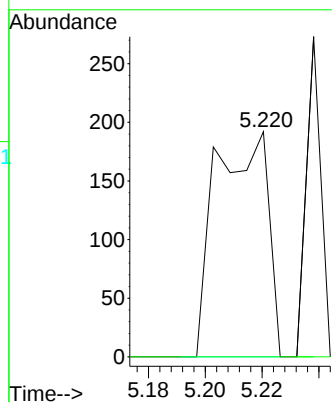
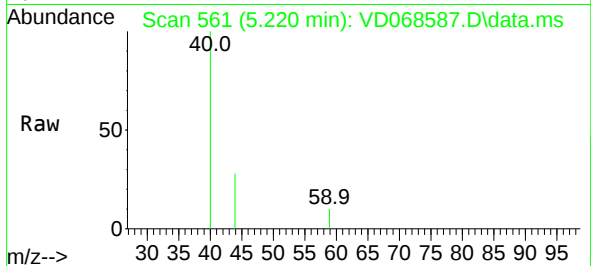




#11
Tert butyl alcohol
Concen: 1.53 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.005 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

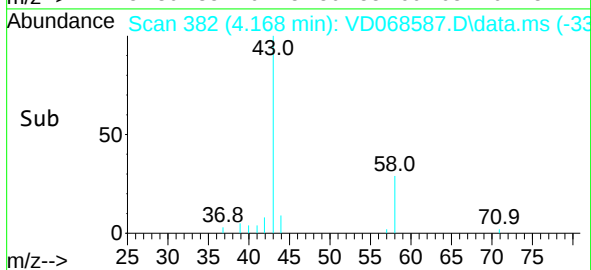
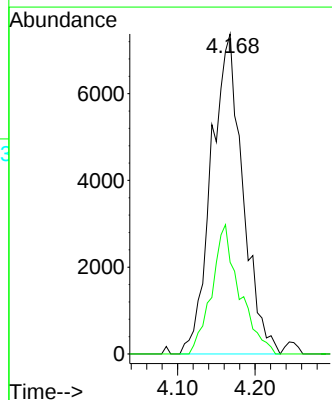
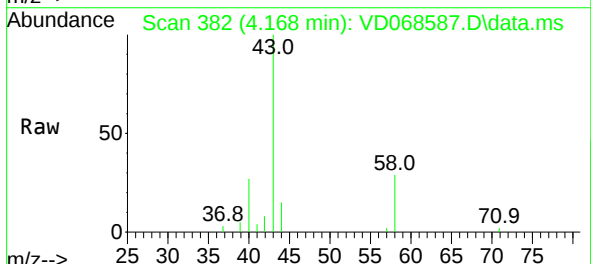
Instrument :
MSVOA_D
ClientSampled :

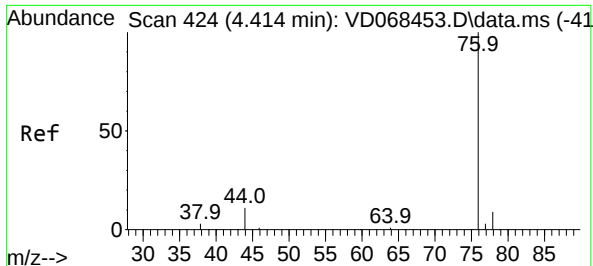
Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 44.13 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

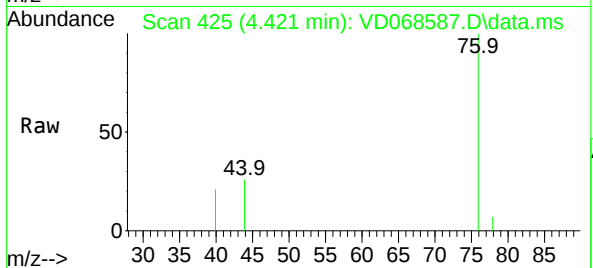
Tgt Ion: 43 Resp: 20818
Ion Ratio Lower Upper
43 100
58 28.7 24.2 36.4



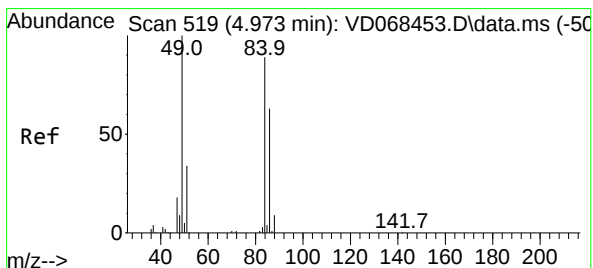
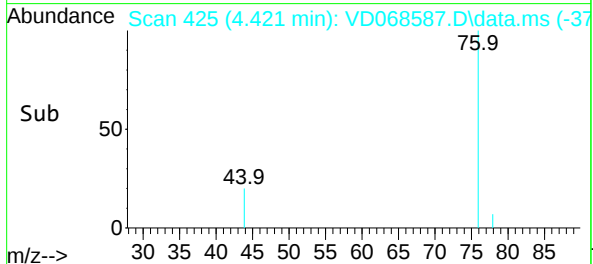
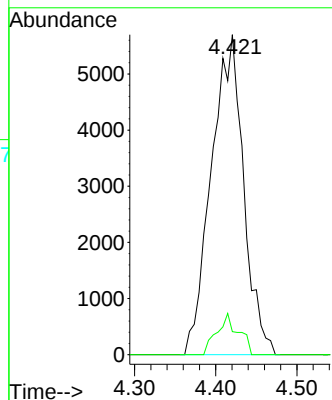


#17
Carbon Disulfide
Concen: 1.61 ug/l
RT: 4.421 min Scan# 425
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Instrument :
MSVOA_D
ClientSampled :

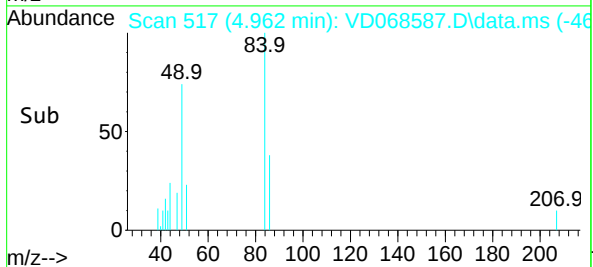
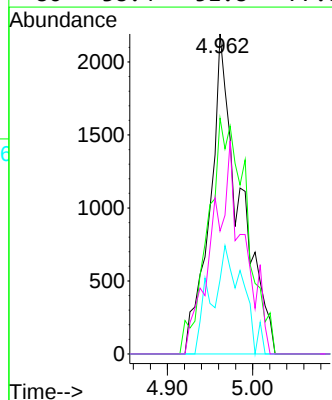
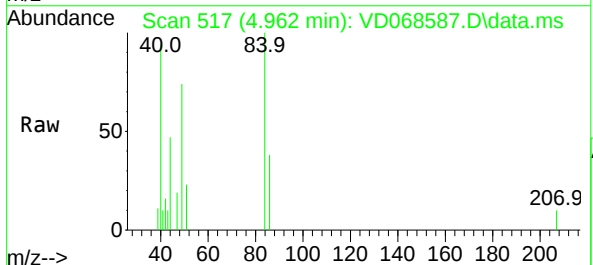


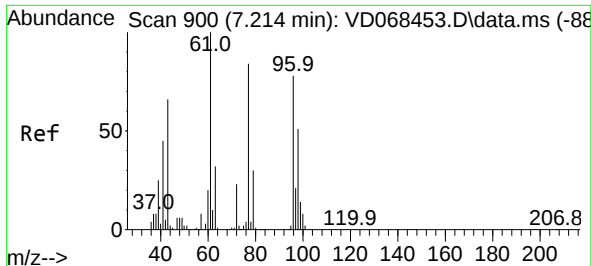
Tgt Ion: 76 Resp: 15720
Ion Ratio Lower Upper
76 100
78 7.2 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 84 Resp: 5350
Ion Ratio Lower Upper
84 100
49 73.7 77.4 116.2#
51 23.1 26.1 39.1#
86 38.4 51.8 77.8#

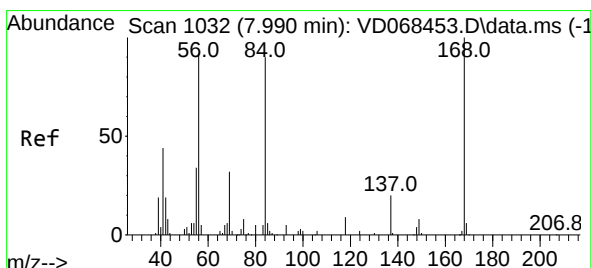
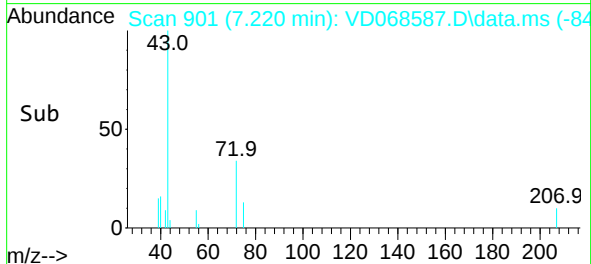
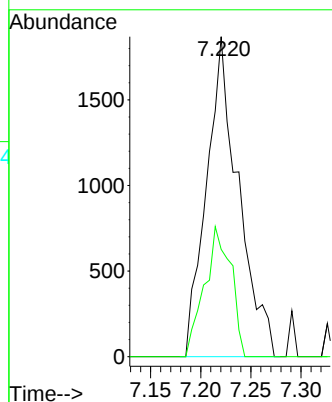
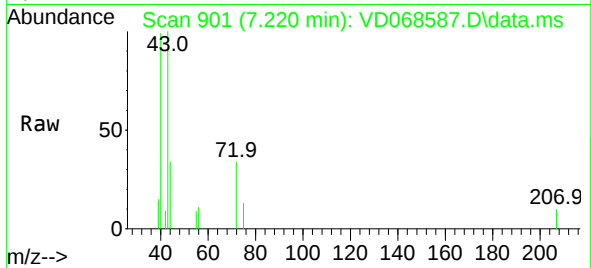




#25
2-Butanone
Concen: 6.11 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

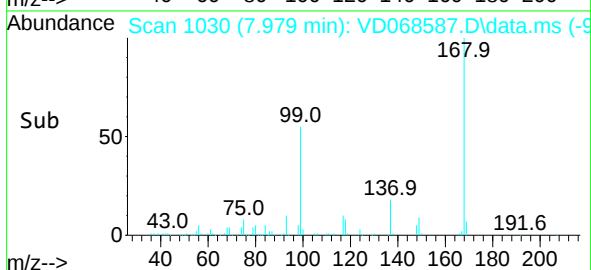
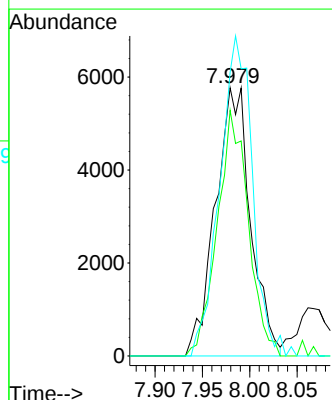
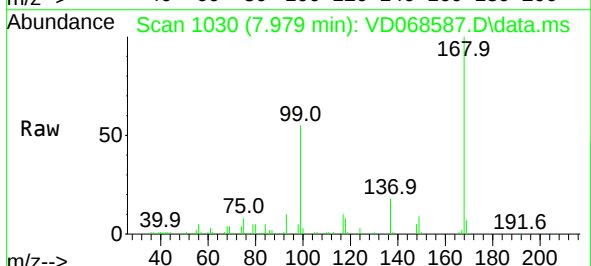
Instrument :
MSVOA_D
ClientSampled :

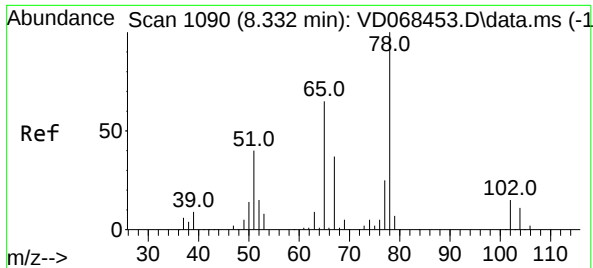
Tgt Ion: 43 Resp: 4145
Ion Ratio Lower Upper
43 100
72 33.5 25.1 37.7



#31
Cyclohexane
Concen: 2.77 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 56 Resp: 14945
Ion Ratio Lower Upper
56 100
69 91.6 30.1 45.1#
84 105.8 82.1 123.1

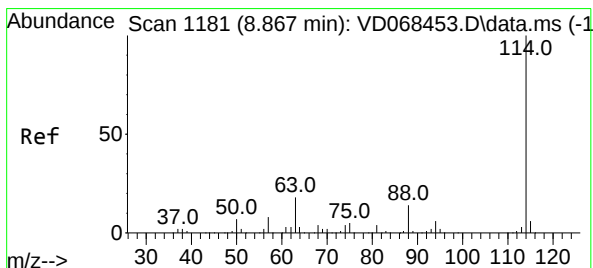
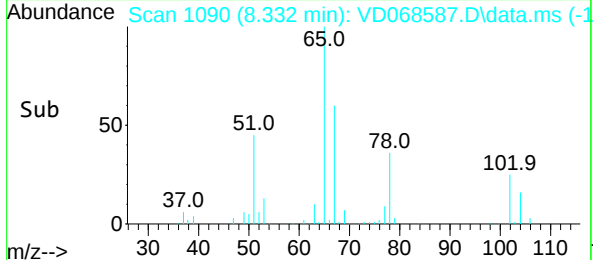
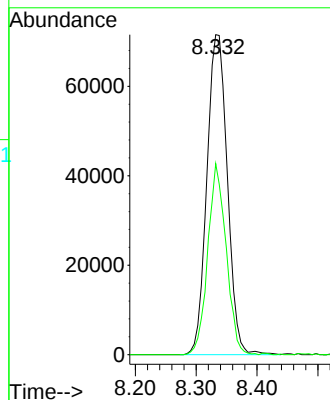
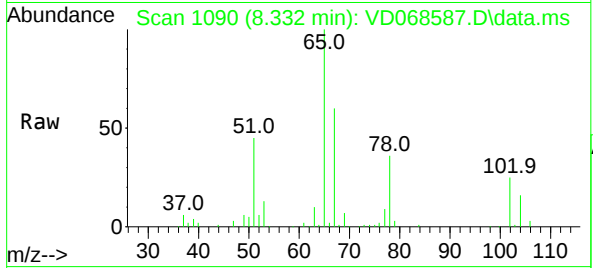




#33
 1,2-Dichloroethane-d4
 Concen: 56.23 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. 0.001 min
 Lab File: VD068587.D
 Acq: 11 Mar 2021 16:09

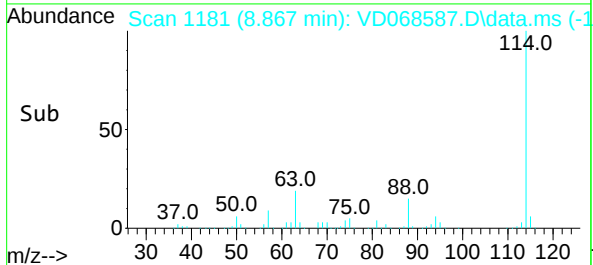
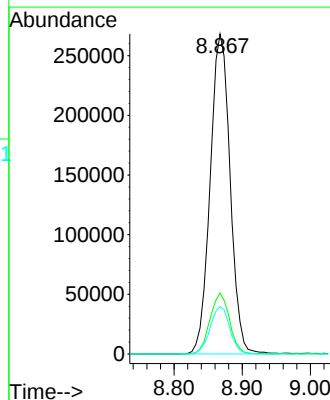
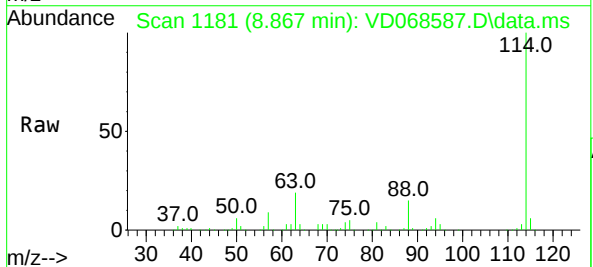
Instrument :
 MSVOA_D
 ClientSampled :

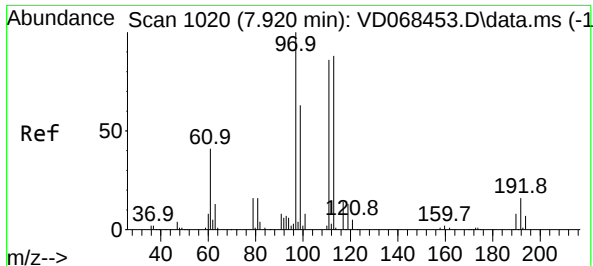
Tgt Ion:	65	Resp:	166977
Ion Ratio	Lower	Upper	
65	100		
67	53.6	0.0	105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.001 min
 Lab File: VD068587.D
 Acq: 11 Mar 2021 16:09

Tgt Ion:	114	Resp:	546554
Ion Ratio	Lower	Upper	
114	100		
63	19.0	0.0	34.8
88	14.8	0.0	31.6





#35

Dibromofluoromethane

Concen: 52.05 ug/l

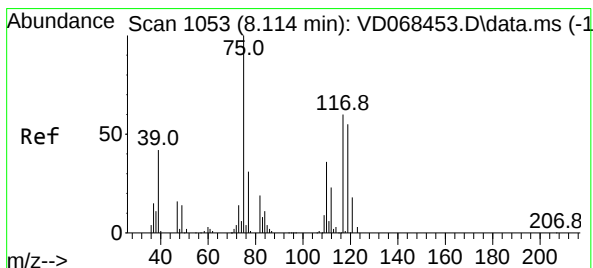
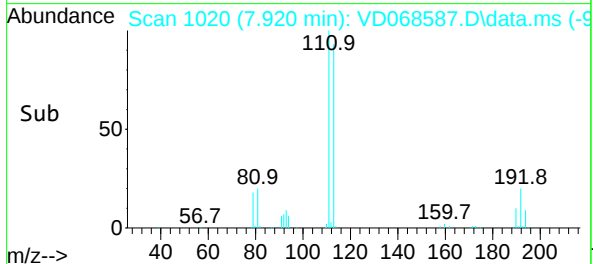
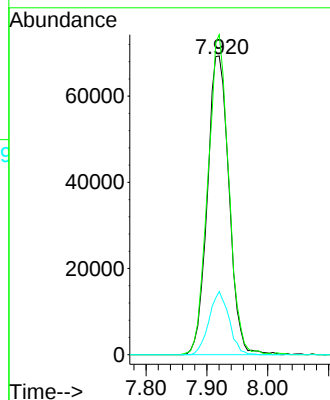
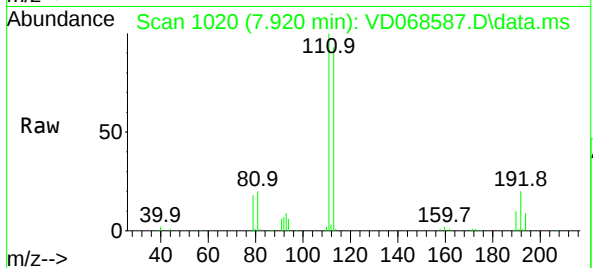
RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068587.D

Acq: 11 Mar 2021 16:09

Tgt Ion:	113	Resp:	171376
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	19.5	16.1	24.1



#36

1,1-Dichloropropene

Concen: 4.20 ug/l

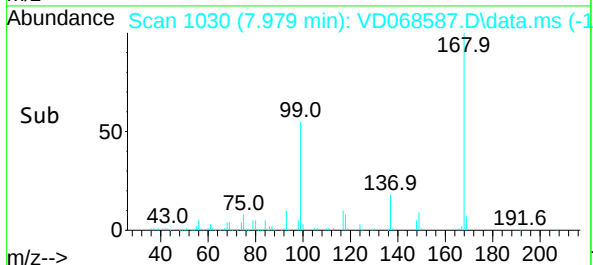
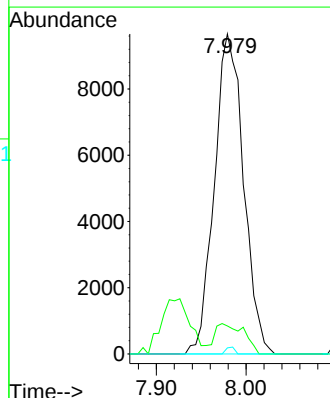
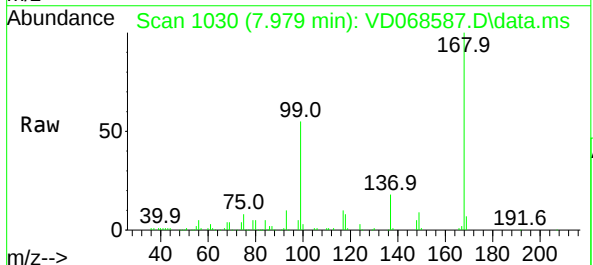
RT: 7.979 min Scan# 1030

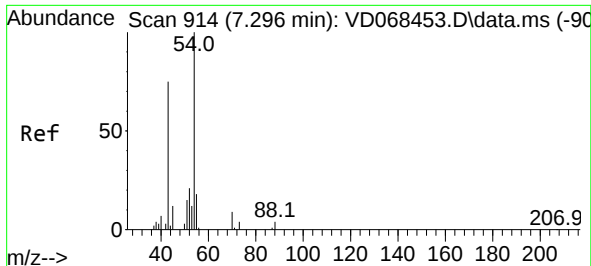
Delta R.T. -0.135 min

Lab File: VD068587.D

Acq: 11 Mar 2021 16:09

Tgt Ion:	75	Resp:	21802
Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.4	58.2#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 2.40 ug/l

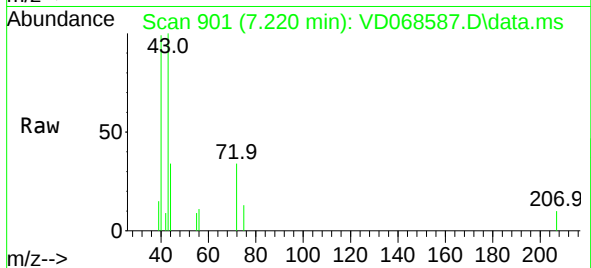
RT: 7.220 min Scan# 901

Delta R.T. -0.076 min

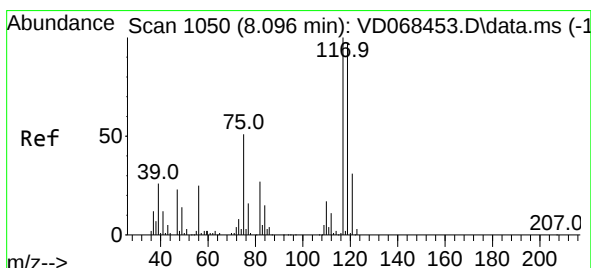
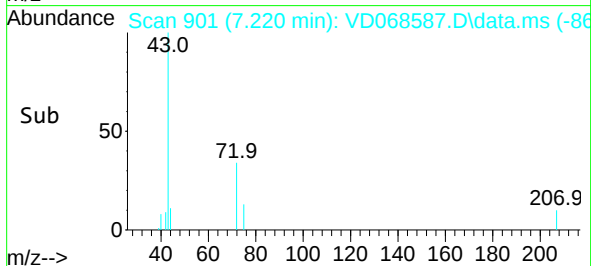
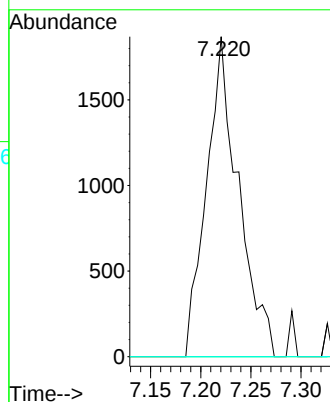
Lab File: VD068587.D

Acq: 11 Mar 2021 16:09

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	43	Resp:	4145
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	11.0	16.6#



#38

Carbon Tetrachloride

Concen: 5.87 ug/l

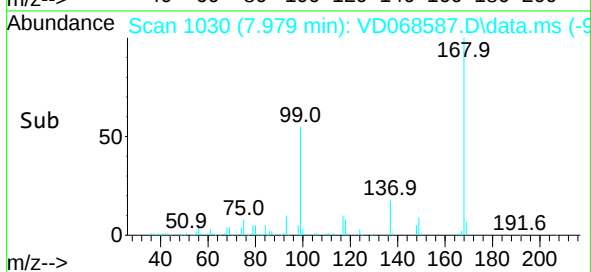
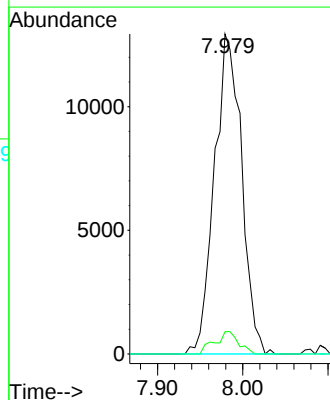
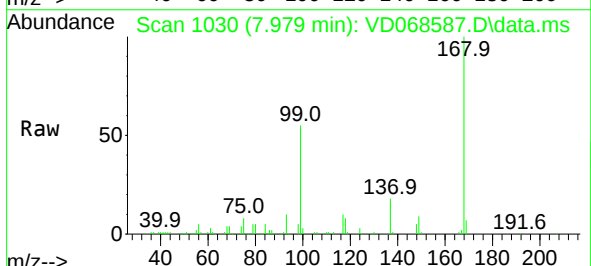
RT: 7.979 min Scan# 1030

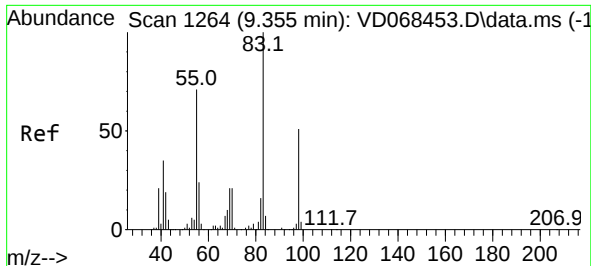
Delta R.T. -0.117 min

Lab File: VD068587.D

Acq: 11 Mar 2021 16:09

Tgt Ion:	117	Resp:	28633
Ion	Ratio	Lower	Upper
117	100		
119	6.9	77.3	115.9#
121	0.0	24.7	37.1#





#39

Methylcyclohexane

Concen: 3.24 ug/l

RT: 9.356 min Scan# 1264

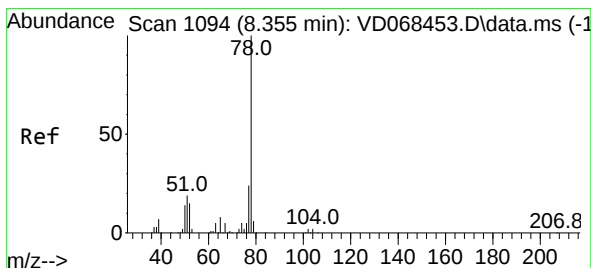
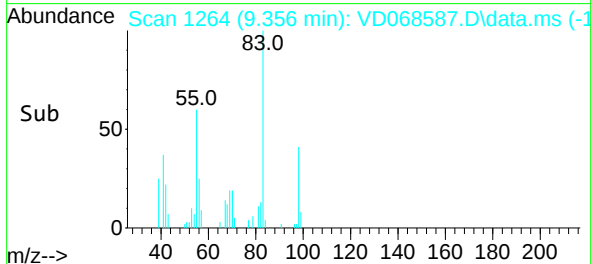
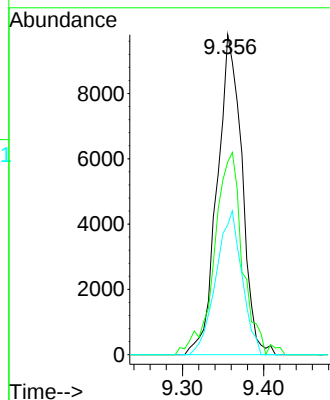
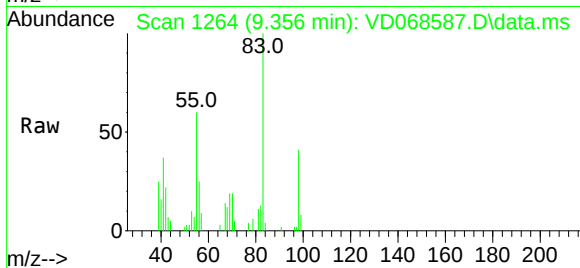
Delta R.T. 0.000 min

Lab File: VD068587.D

Acq: 11 Mar 2021 16:09

Tgt Ion: 83 Resp: 20751

Ion	Ratio	Lower	Upper
83	100		
55	58.0	55.2	82.8
98	40.6	39.1	58.7



#40

Benzene

Concen: 11.65 ug/l

RT: 8.356 min Scan# 1094

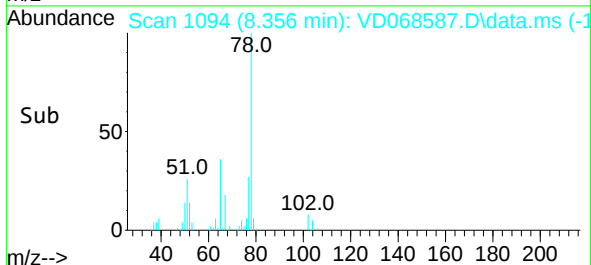
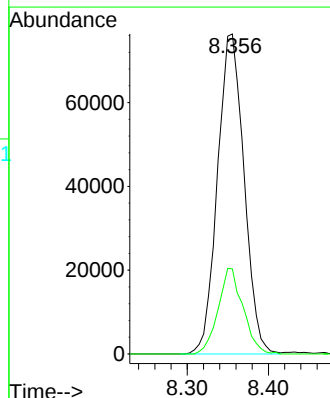
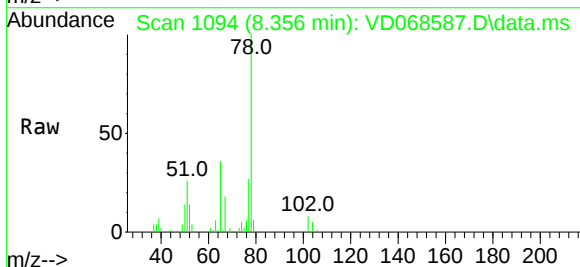
Delta R.T. 0.000 min

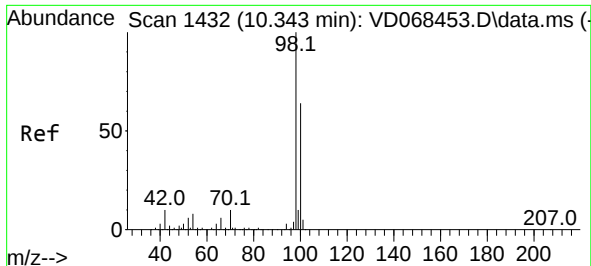
Lab File: VD068587.D

Acq: 11 Mar 2021 16:09

Tgt Ion: 78 Resp: 173587

Ion	Ratio	Lower	Upper
78	100		
77	26.6	17.8	26.6

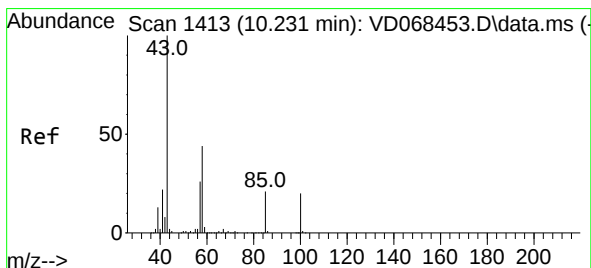
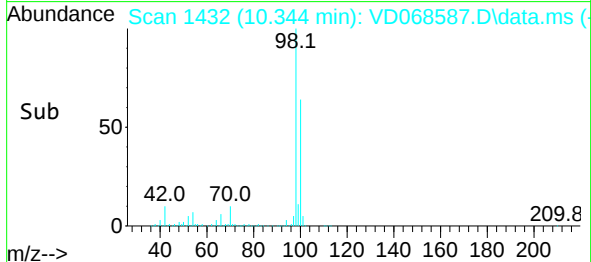
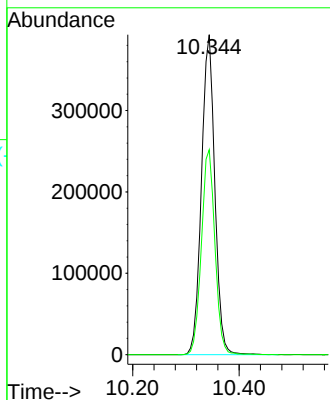
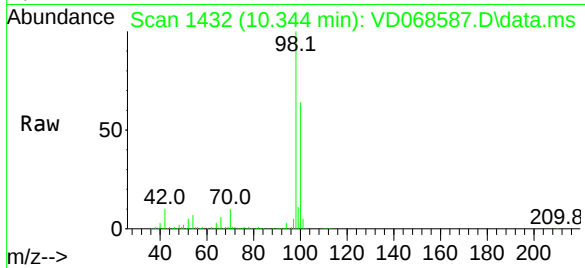




#50
Toluene-d8
Concen: 52.04 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

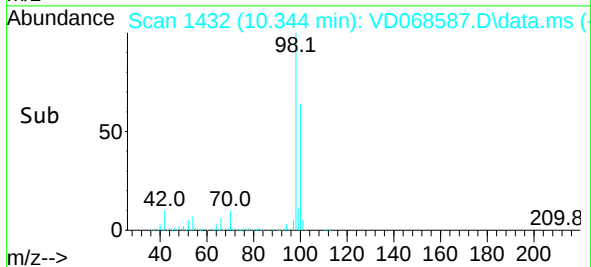
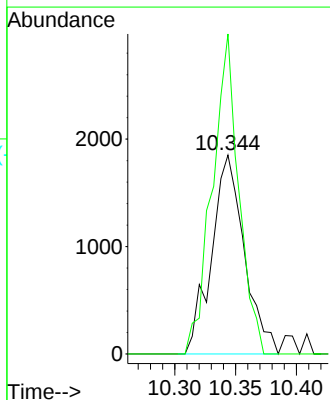
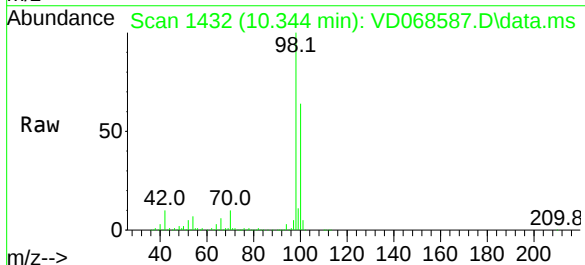
Instrument :
MSVOA_D
ClientSampled :

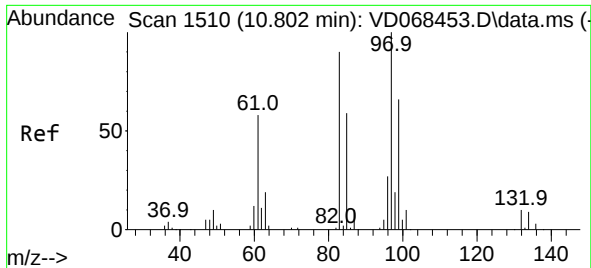
Tgt Ion: 98 Resp: 682510
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 2.10 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.112 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

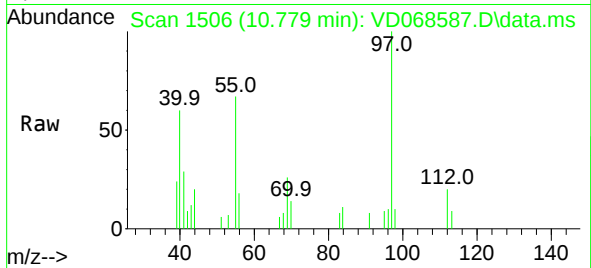
Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
58 129.7 36.1 54.1#



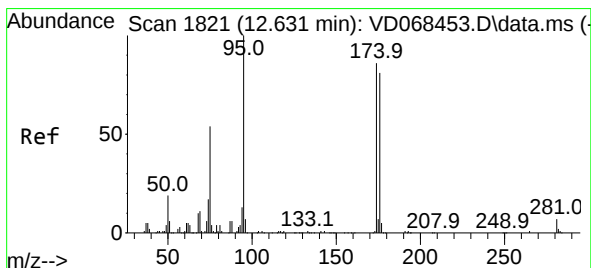
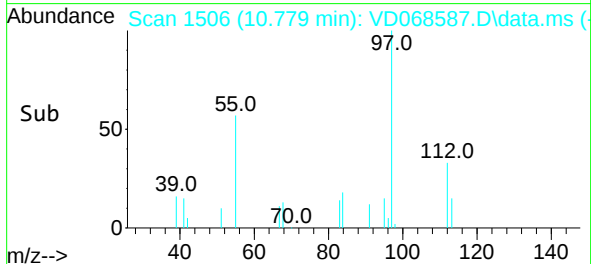
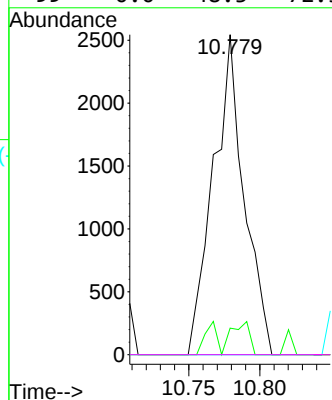


#55
1,1,2-Trichloroethane
Concen: 1.43 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.023 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

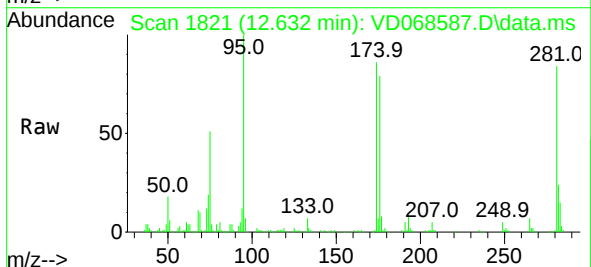
Instrument :
MSVOA_D
ClientSampleId :



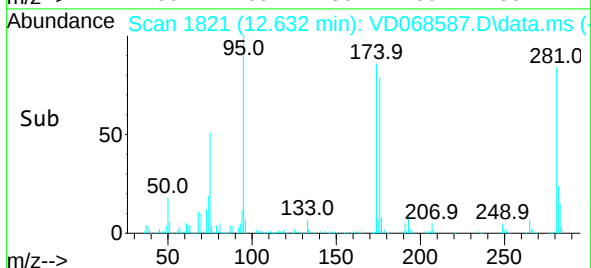
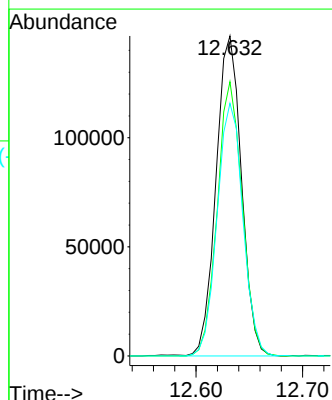
Tgt Ion:	97	Resp:	3843
Ion	Ratio	Lower	Upper
97	100		
83	8.3	61.8	92.6#
85	0.0	42.2	63.2#
99	0.0	48.3	72.5#

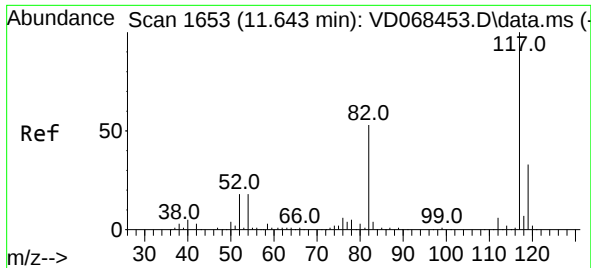


#62
4-Bromofluorobenzene
Concen: 57.44 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09



Tgt Ion:	95	Resp:	242786
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	172.4
176	80.1	0.0	168.4

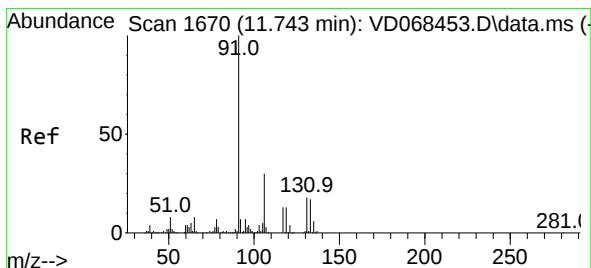
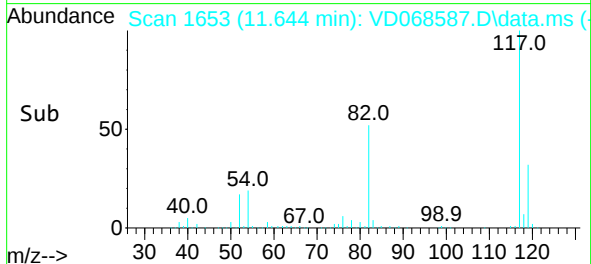
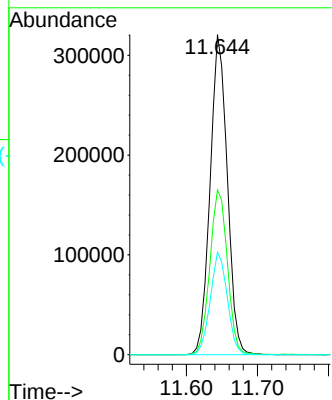
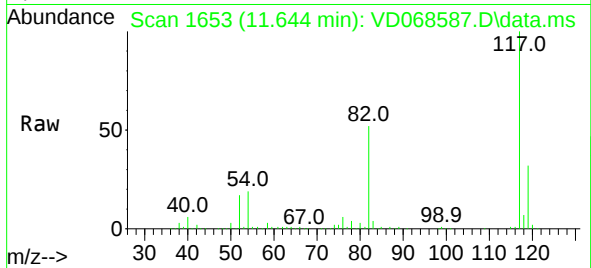




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

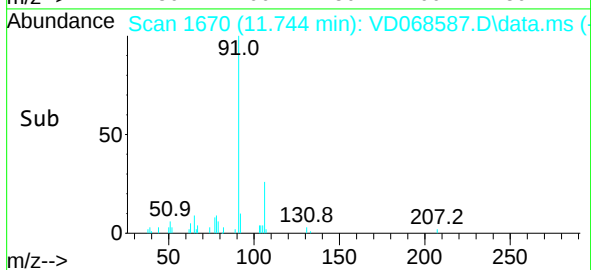
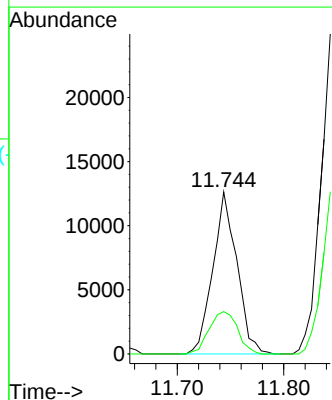
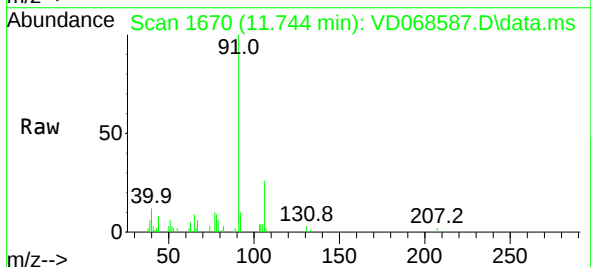
Instrument :
MSVOA_D
ClientSampleId :

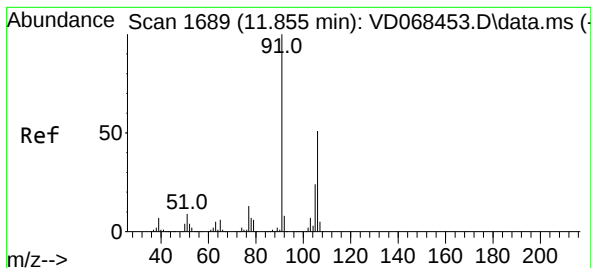
Tgt Ion:117 Resp: 537685
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.0
119 32.0 26.1 39.1



#67
Ethyl Benzene
Concen: 1.01 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion: 91 Resp: 19814
Ion Ratio Lower Upper
91 100
106 26.1 25.9 38.9

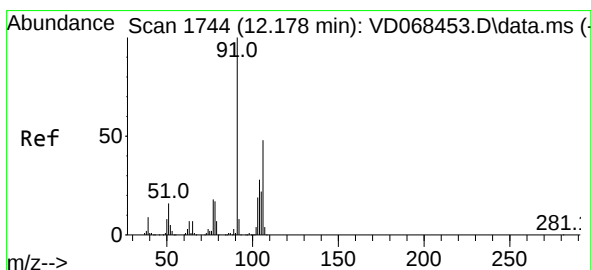
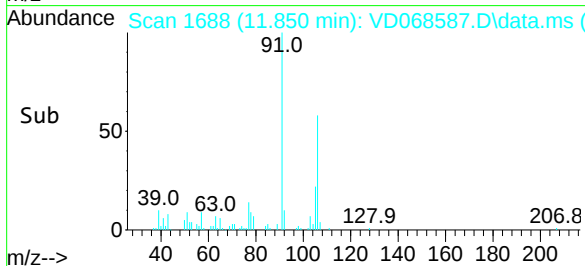
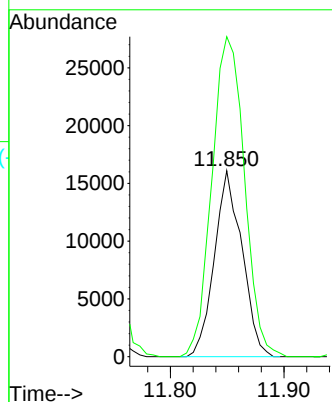
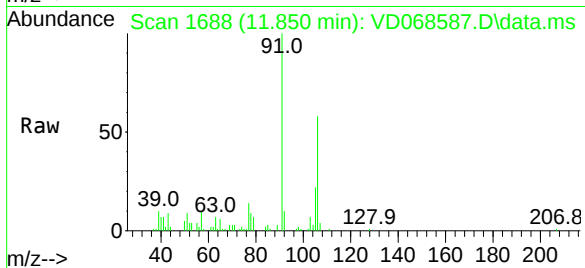




#68
m/p-Xylenes
Concen: 3.66 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

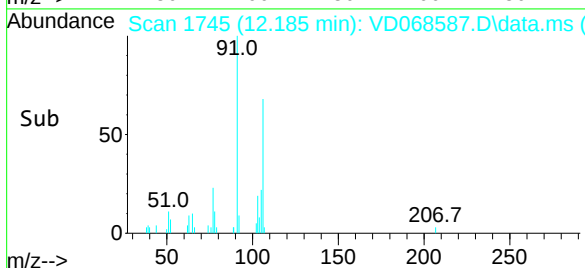
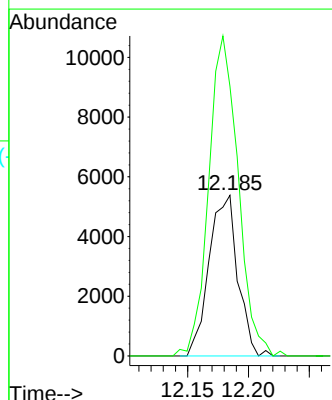
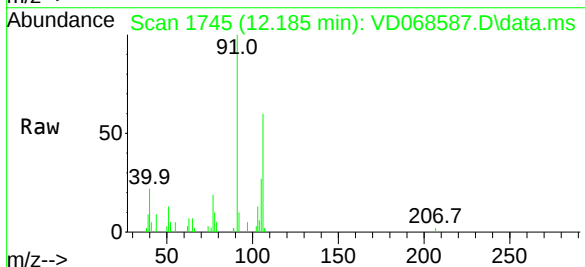
Instrument :
MSVOA_D
ClientSampleId :

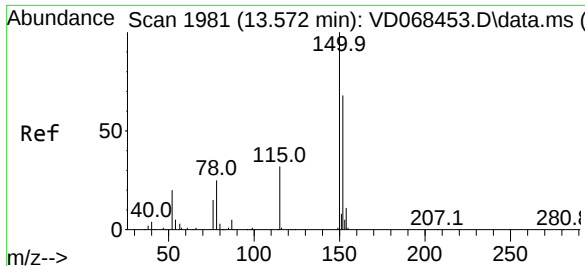
Tgt Ion:106 Resp: 27175
Ion Ratio Lower Upper
106 100
91 202.9 159.1 238.7



#69
o-Xylene
Concen: 1.29 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.006 min
Lab File: VD068587.D
Acq: 11 Mar 2021 16:09

Tgt Ion:106 Resp: 8797
Ion Ratio Lower Upper
106 100
91 205.2 108.7 325.9

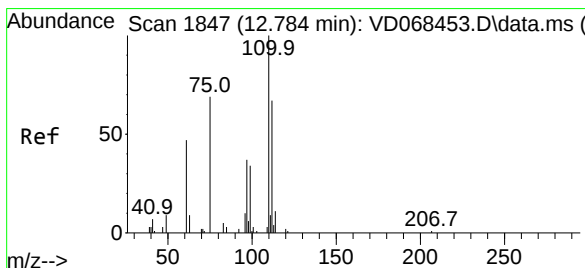
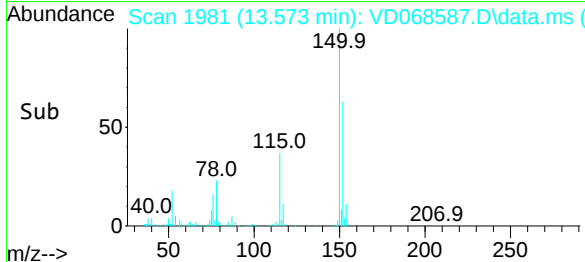
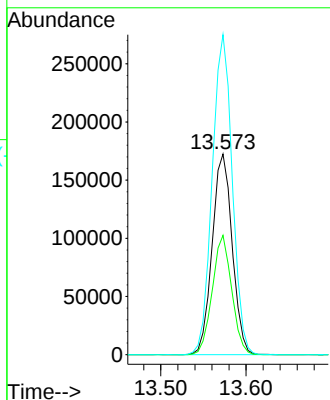
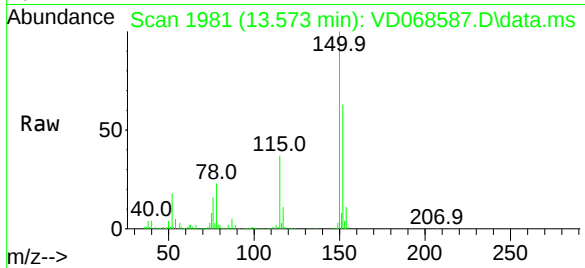




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.001 min
 Lab File: VD068587.D
 Acq: 11 Mar 2021 16:09

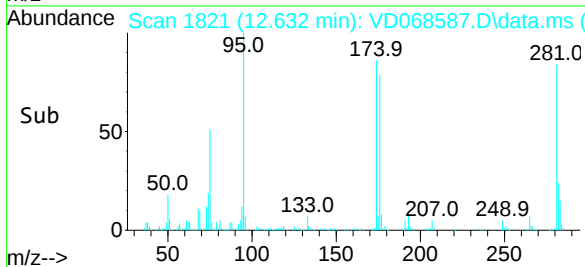
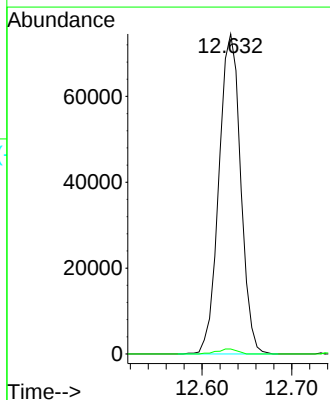
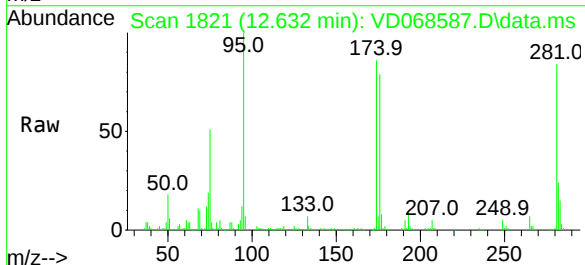
Instrument :
 MSVOA_D
 ClientSampled :

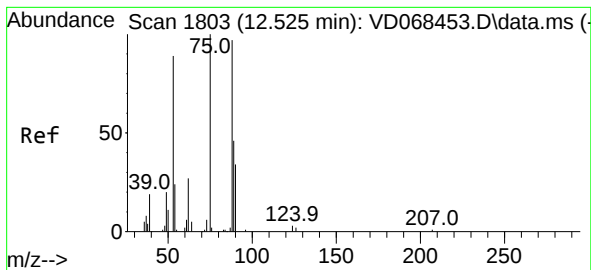
Tgt Ion:152 Resp: 281446
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.9 86.8
 150 159.6 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 50.16 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.152 min
 Lab File: VD068587.D
 Acq: 11 Mar 2021 16:09

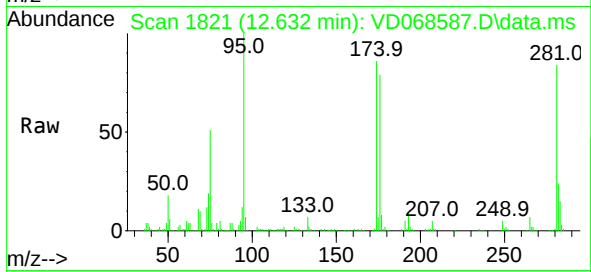
Tgt Ion: 75 Resp: 125316
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.04 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068587.D
 Acq: 11 Mar 2021 16:09

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 125316
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.2 105.2#
 89 1.2 40.3 60.5#

