

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068089.D
 Acq On : 19 Jan 2021 14:43
 Operator : VA/SY
 Sample : VD0119SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0119SBL01

Quant Time: Jan 19 15:55:06 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)

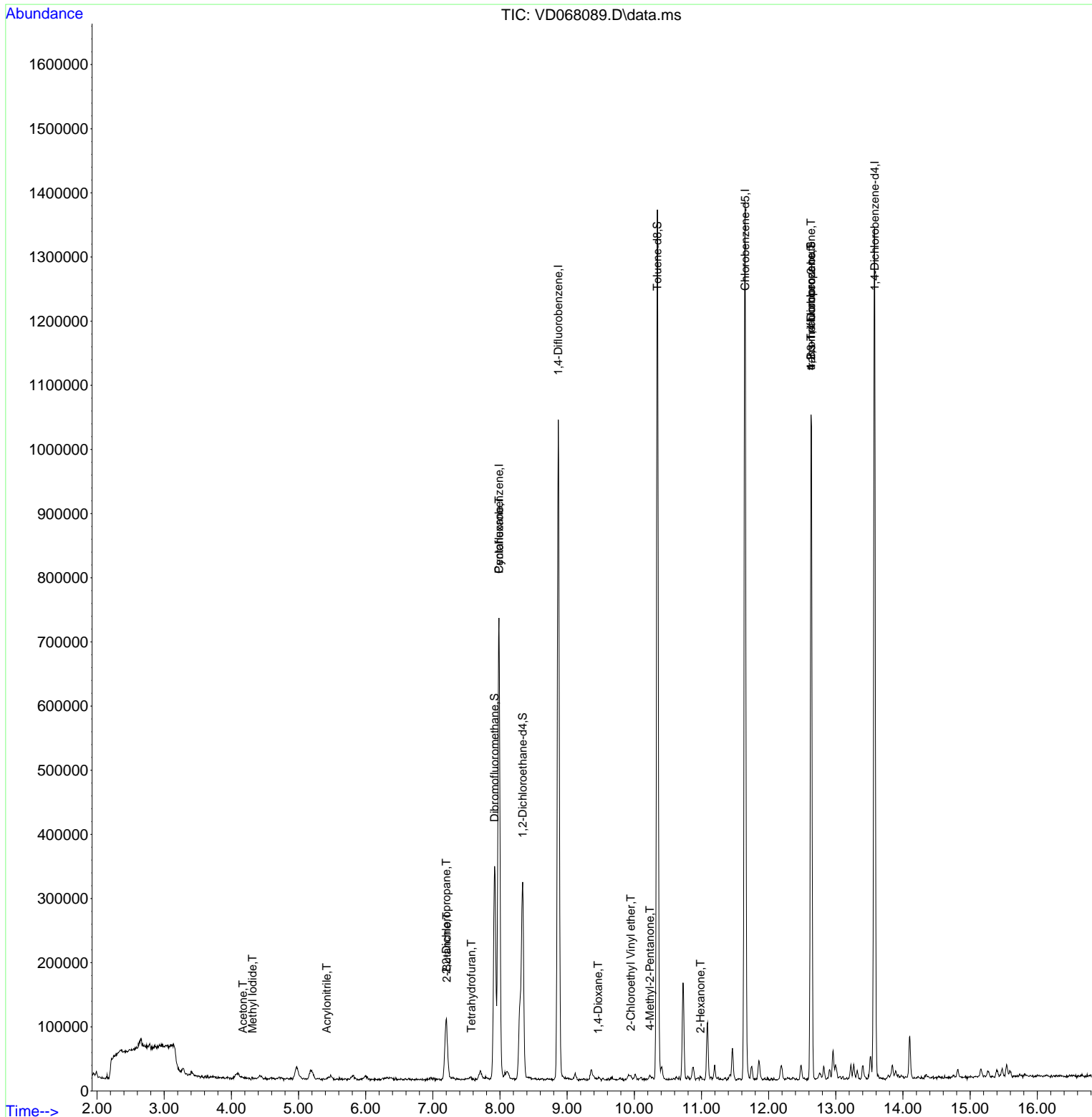
Internal Standards						
1) Pentafluorobenzene	7.984	168	529950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	920824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	821134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.578	152	365304	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.337	65	242160	47.77	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.54%
35) Dibromofluoromethane	7.920	113	242758	47.69	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.38%
50) Toluene-d8	10.343	98	946019	46.46	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.92%
62) 4-Bromofluorobenzene	12.631	95	346101	47.20	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.40%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.314	142	2347	3.50	ug/l #	62
11) Tert butyl alcohol	5.185	59	14825	Below	Cal #	85
15) Acrylonitrile	5.420	53	1380	1.20	ug/l #	27
16) Acetone	4.173	43	4211	4.65	ug/l	91
20) Methylene Chloride	4.973	84	16240	Below	Cal	94
25) 2-Butanone	7.208	43	6169	4.53	ug/l #	70
26) 2,2-Dichloropropane	7.202	77	11025	1.06	ug/l #	58
29) Tetrahydrofuran	7.573	42	2622	2.97	ug/l #	81
31) Cyclohexane	7.984	56	16854	1.54	ug/l #	25
49) 1,4-Dioxane	9.461	88	197	5.22	ug/l #	1
51) 4-Methyl-2-Pentanone	10.231	43	6114	1.92	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.949	63	2845	1.01	ug/l #	83
59) 2-Hexanone	10.984	43	3184	1.44	ug/l	93
76) 1,2,3-Trichloropropane	12.631	75	173057	49.00	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	173057	99.14	ug/l #	14

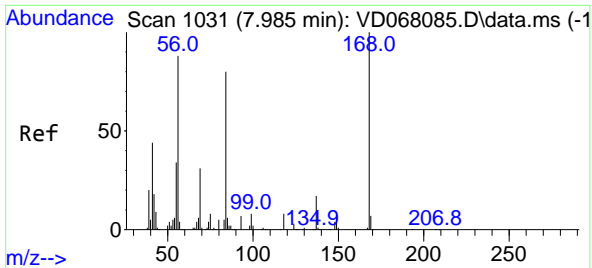
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 19 15:55:06 2021
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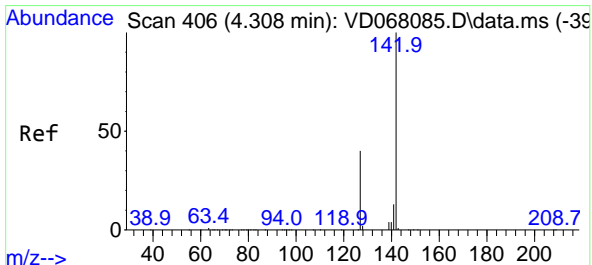
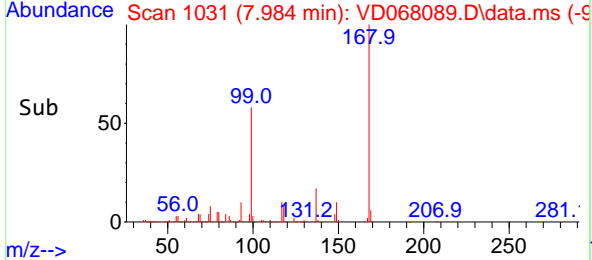
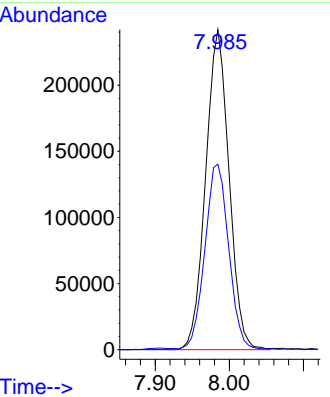
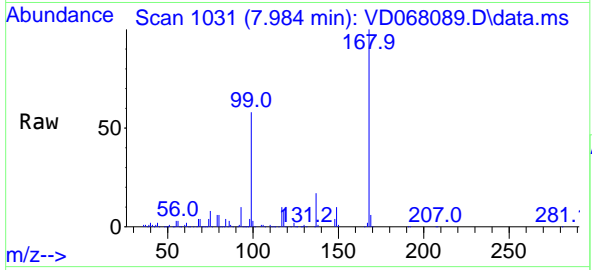




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.984 min Scan# 1031
 Delta R.T. -0.001 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

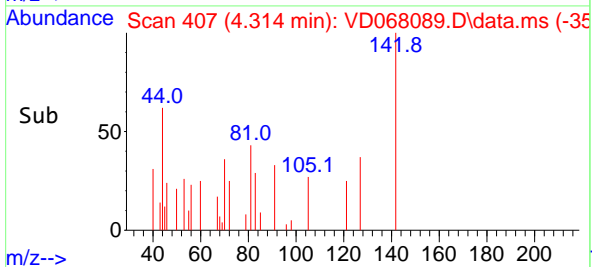
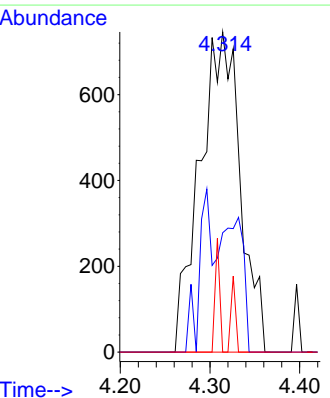
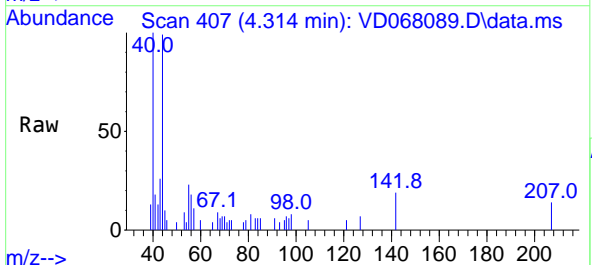
Instrument : MSVOA_D
 ClientSampleId : VD0119SBL01

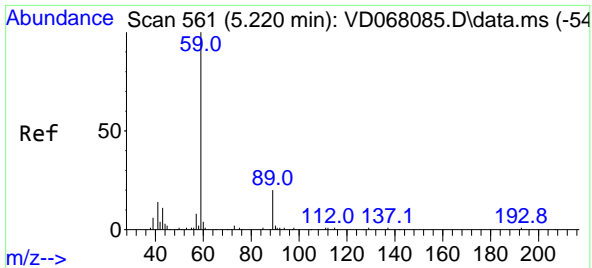
Tgt Ion:168 Resp: 529950
 Ion Ratio Lower Upper
 168 100
 99 57.7 43.5 65.3



#10
 Methyl Iodide
 Concen: 3.50 ug/l
 RT: 4.314 min Scan# 407
 Delta R.T. 0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

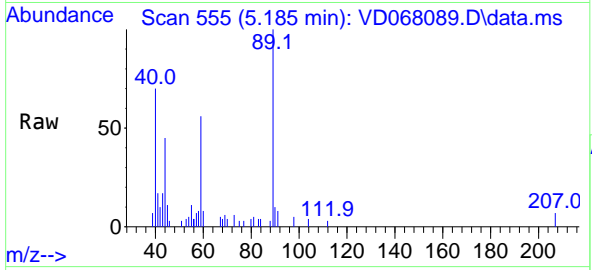
Tgt Ion:142 Resp: 2347
 Ion Ratio Lower Upper
 142 100
 127 19.1 37.9 56.9#
 141 4.0 11.5 17.3#



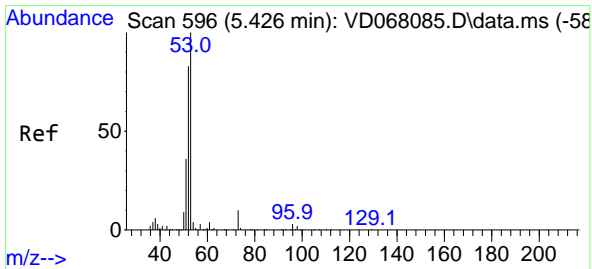
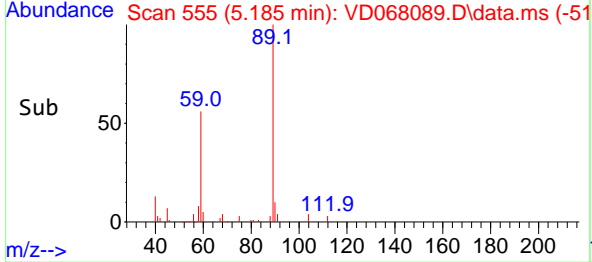
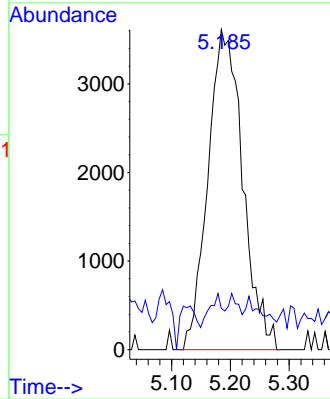


#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 5.185 min Scan# 555
 Delta R.T. -0.035 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

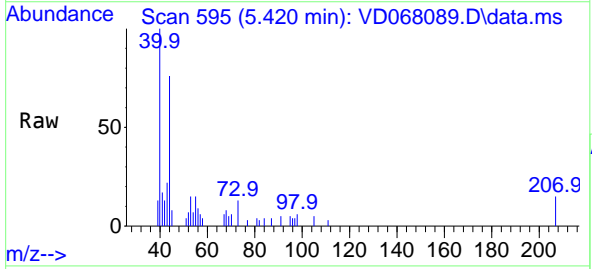
Instrument :
 MSVOA_D
 ClientSampled :
 VD0119SBL01



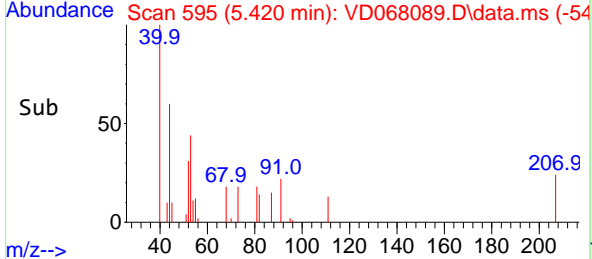
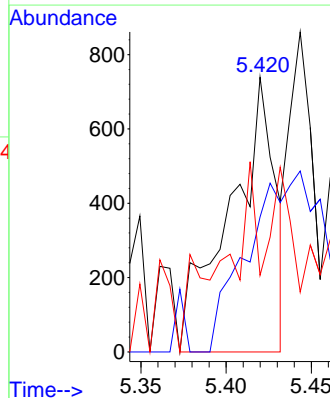
Tgt Ion: 59 Resp: 14825
 Ion Ratio Lower Upper
 59 100
 57 3.8 7.4 11.2#

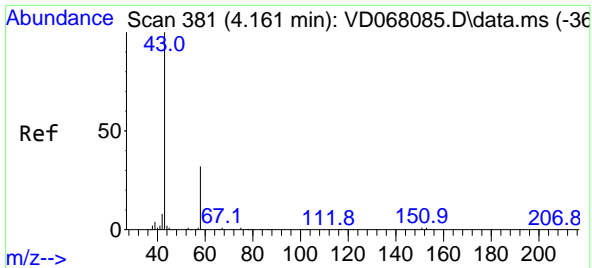


#15
 Acrylonitrile
 Concen: 1.20 ug/l
 RT: 5.420 min Scan# 595
 Delta R.T. -0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43



Tgt Ion: 53 Resp: 1380
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.2 99.2#
 51 53.0 29.0 43.4#

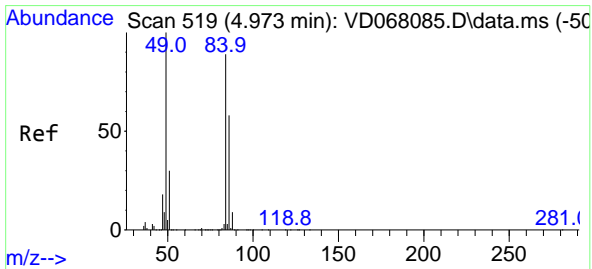
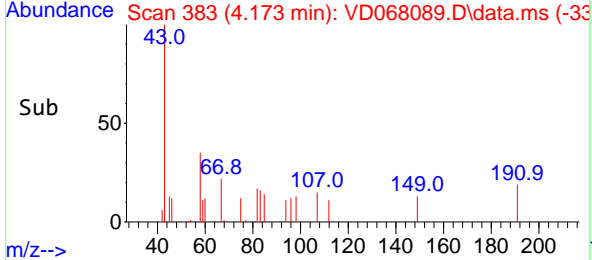
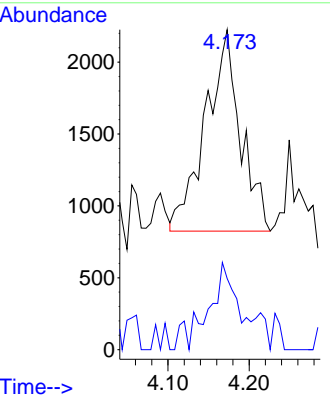
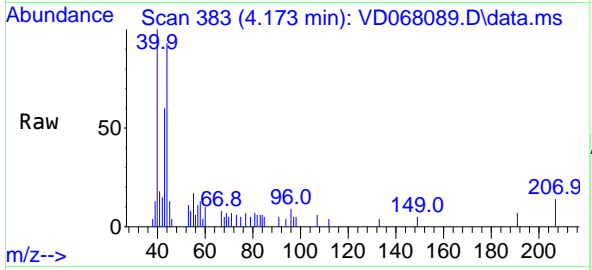




#16
 Acetone
 Concen: 4.65 ug/l
 RT: 4.173 min Scan# 383
 Delta R.T. 0.012 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

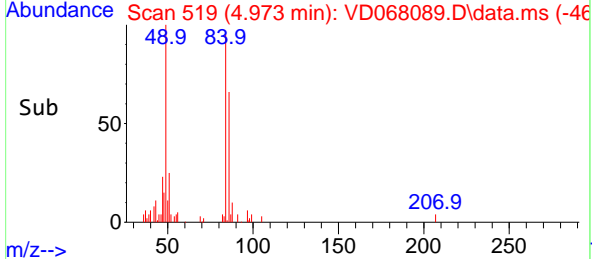
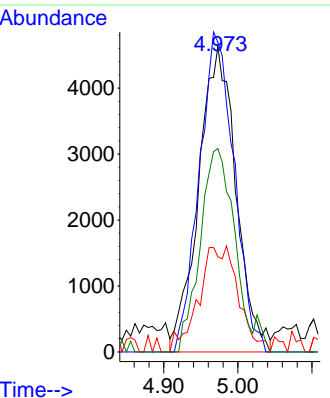
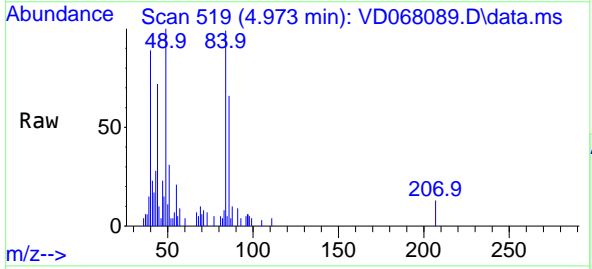
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0119SBL01

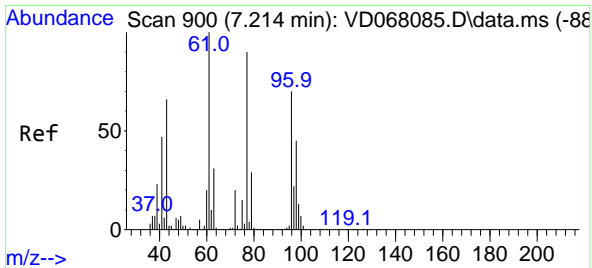
Tgt Ion: 43 Resp: 4211
 Ion Ratio Lower Upper
 43 100
 58 35.3 24.2 36.4



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 4.973 min Scan# 519
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Tgt Ion: 84 Resp: 16240
 Ion Ratio Lower Upper
 84 100
 49 105.4 77.4 116.2
 51 32.4 26.1 39.1
 86 69.2 51.8 77.8

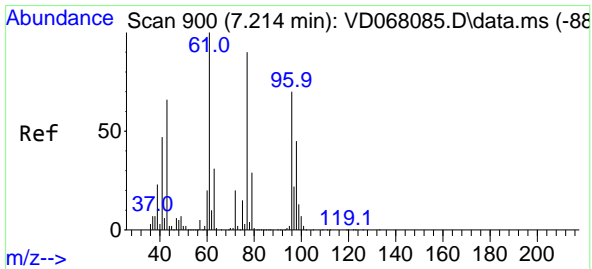
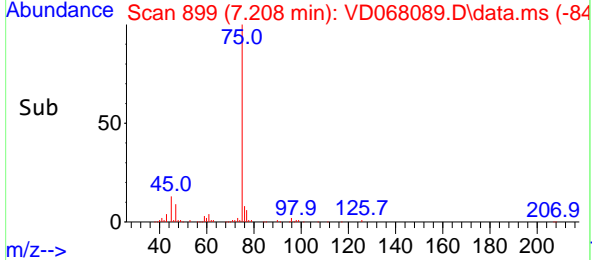
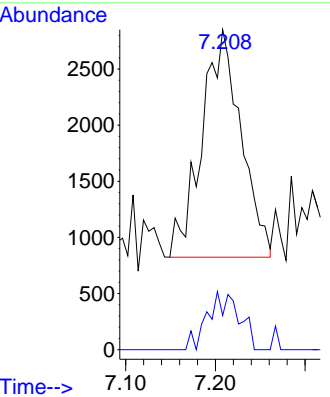
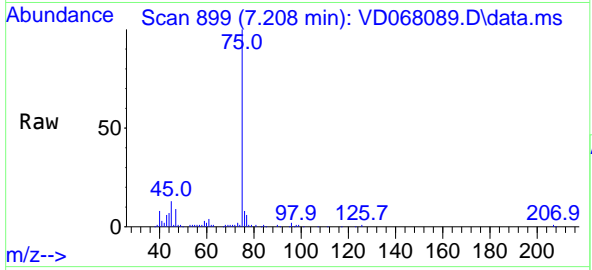




#25
 2-Butanone
 Concen: 4.53 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

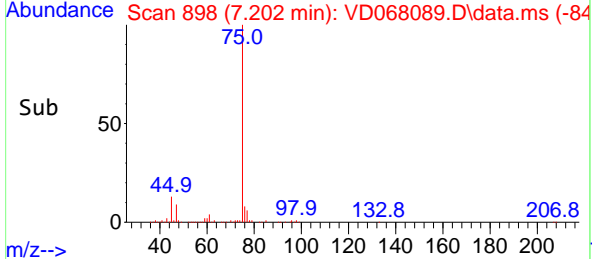
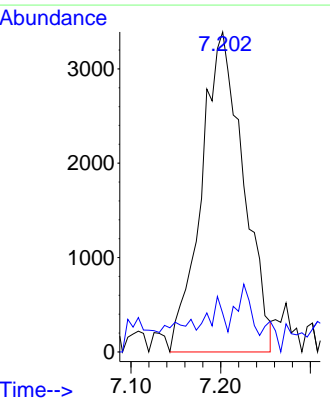
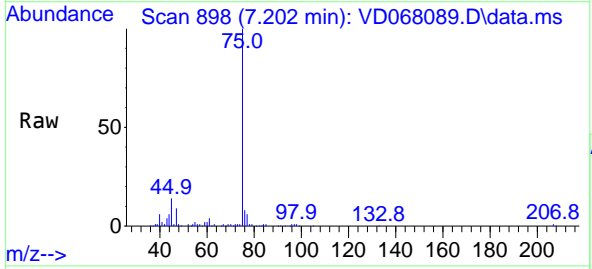
Instrument :
 MSVOA_D
ClientSampled :
 VD0119SBL01

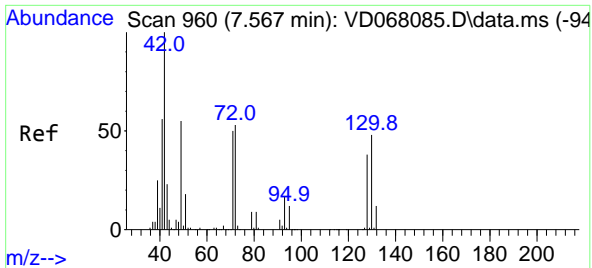
Tgt Ion	Resp	Lower	Upper
43	100		
72	15.0	25.1	37.7#



#26
 2,2-Dichloropropane
 Concen: 1.06 ug/l
 RT: 7.202 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Tgt Ion	Resp	Lower	Upper
77	100		
97	3.0	11.7	35.1#



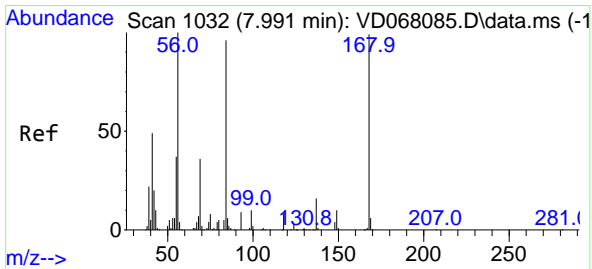
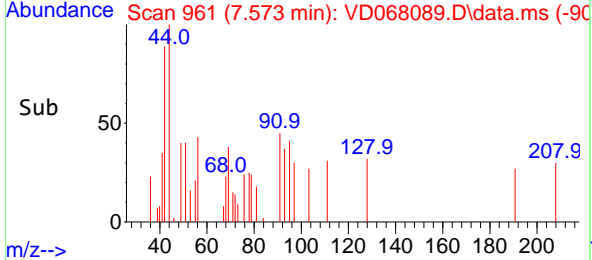
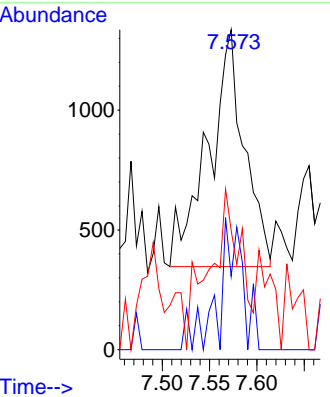
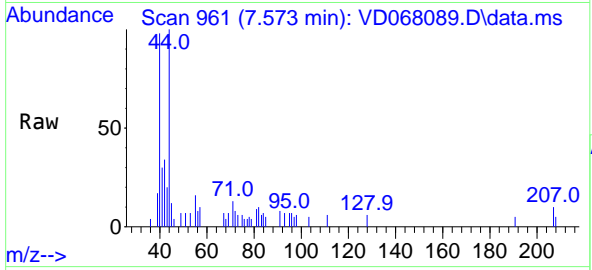


#29
 Tetrahydrofuran
 Concen: 2.97 ug/l
 RT: 7.573 min Scan# 961
 Delta R.T. 0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Instrument :
 MSVOA_D
 ClientSampled :
 VD0119SBL01

Tgt Ion: 42 Resp: 2622

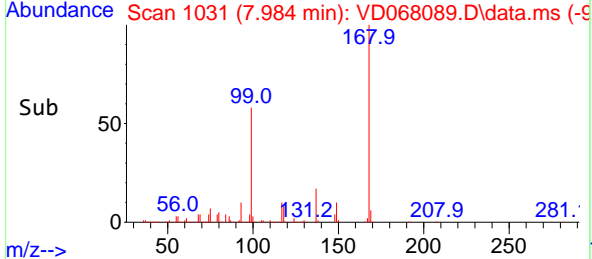
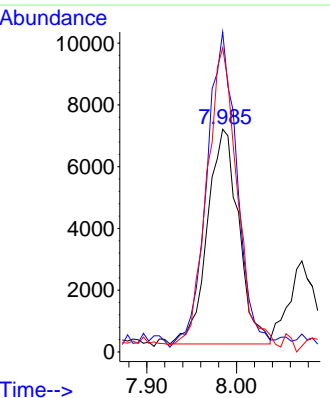
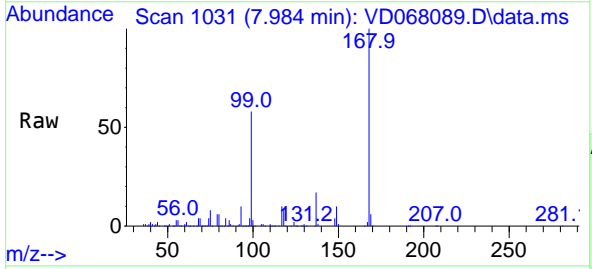
Ion	Ratio	Lower	Upper
42	100		
72	34.6	43.4	65.0#
71	58.7	40.8	61.2

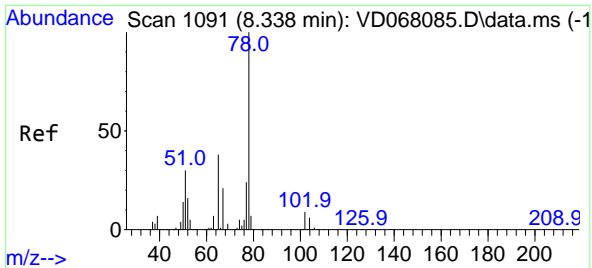


#31
 Cyclohexane
 Concen: 1.54 ug/l
 RT: 7.984 min Scan# 1031
 Delta R.T. -0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Tgt Ion: 56 Resp: 16854

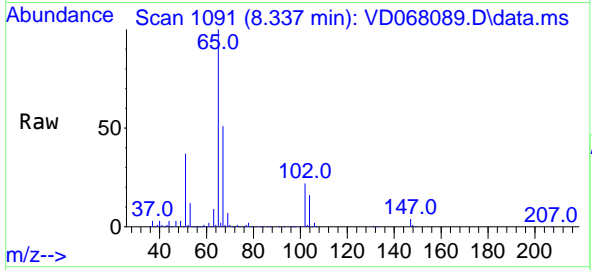
Ion	Ratio	Lower	Upper
56	100		
69	146.8	30.1	45.1#
84	138.4	82.1	123.1#



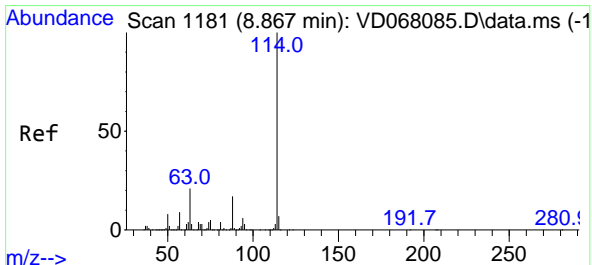
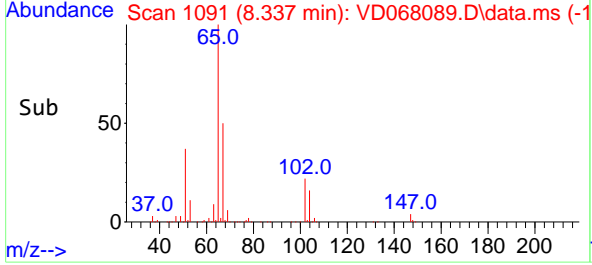
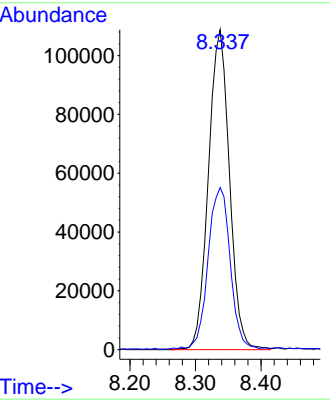


#33
 1,2-Dichloroethane-d4
 Concen: 47.77 ug/l
 RT: 8.337 min Scan# 1091
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

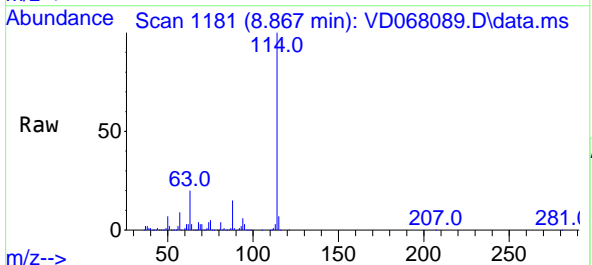
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 MSVOA_D
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 VD0119SBL01



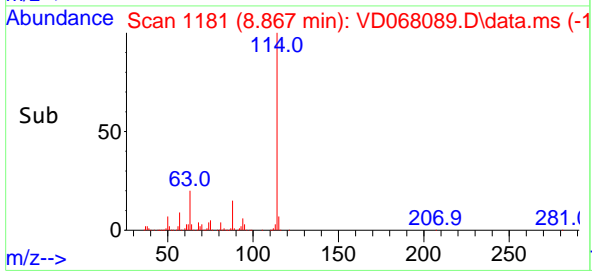
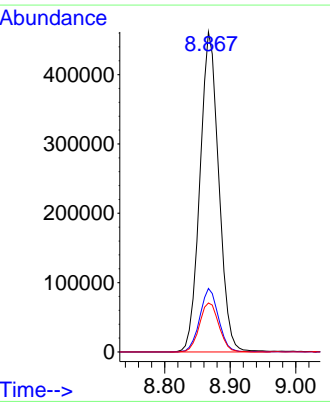
Tgt Ion: 65 Resp: 242160
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0

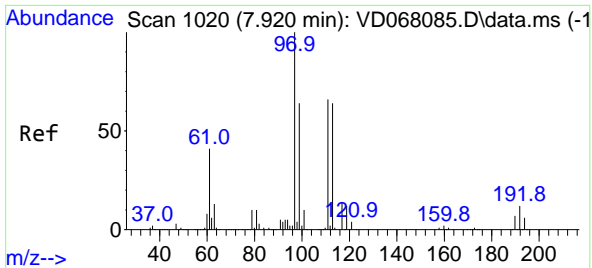


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43



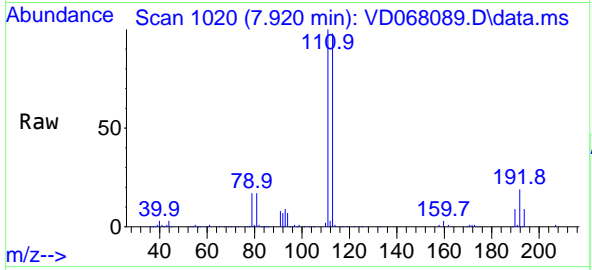
Tgt Ion: 114 Resp: 920824
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 34.8
 88 15.3 0.0 31.6





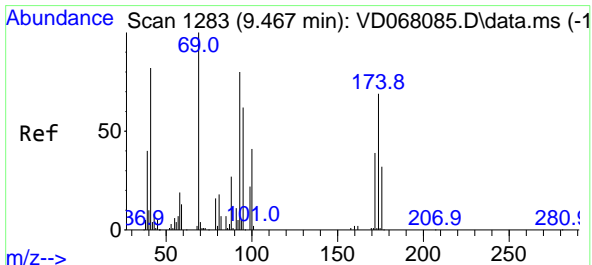
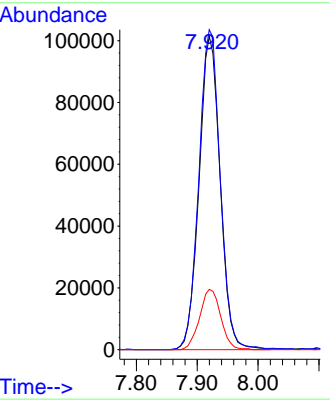
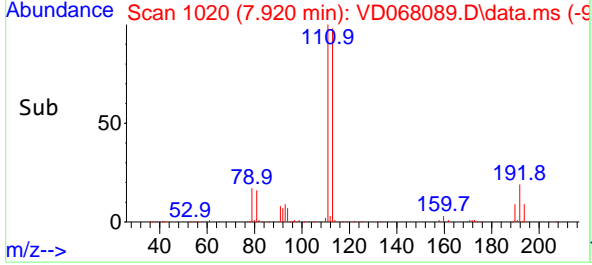
#35
 Dibromofluoromethane
 Concen: 47.69 ug/l
 RT: 7.920 min Scan# 1020
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Instrument :
 MSVOA_D
ClientSampled :
 VD0119SBL01

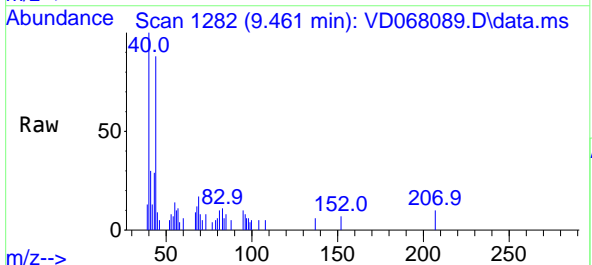


Tgt Ion: 113 Resp: 242758

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	19.4	16.1	24.1

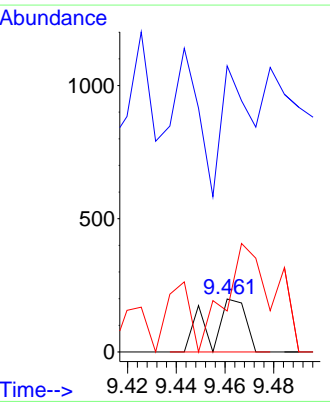
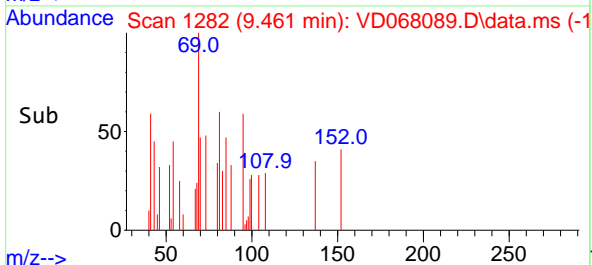


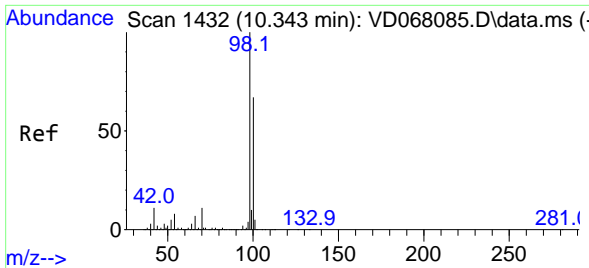
#49
 1,4-Dioxane
 Concen: 5.22 ug/l
 RT: 9.461 min Scan# 1282
 Delta R.T. -0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43



Tgt Ion: 88 Resp: 197

Ion	Ratio	Lower	Upper
88	100		
43	199.0	22.1	33.1#
58	282.7	46.7	70.1#

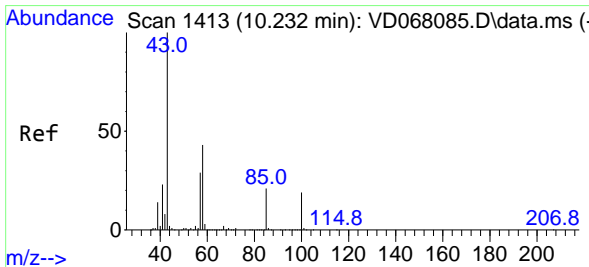
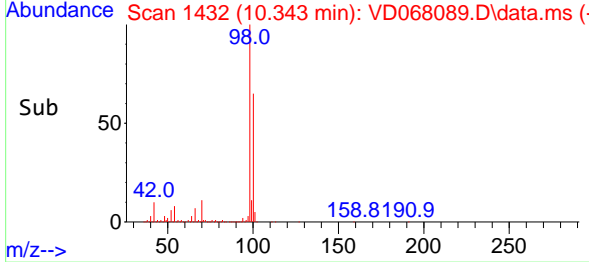
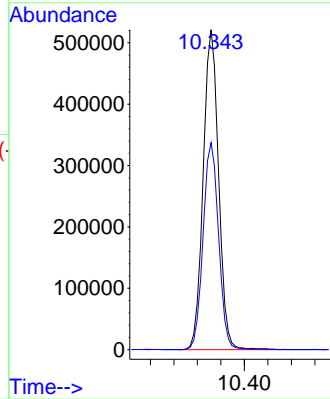
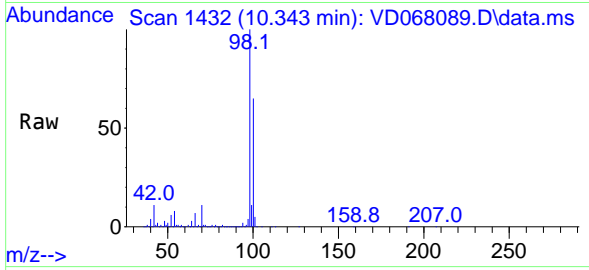




#50
 Toluene-d8
 Concen: 46.46 ug/l
 RT: 10.343 min Scan# 1432
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

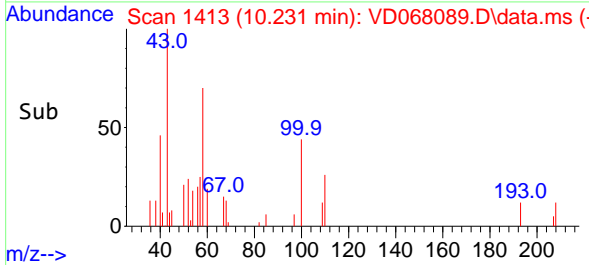
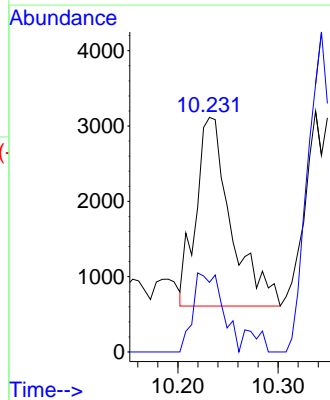
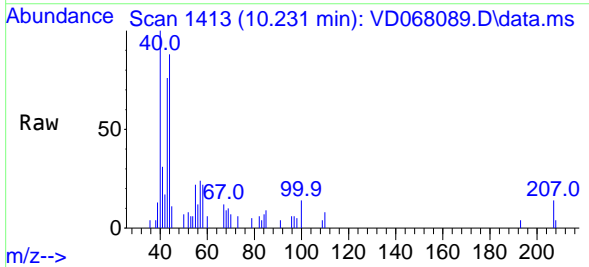
Instrument :
 MSVOA_D
 ClientSampled :
 VD0119SBL01

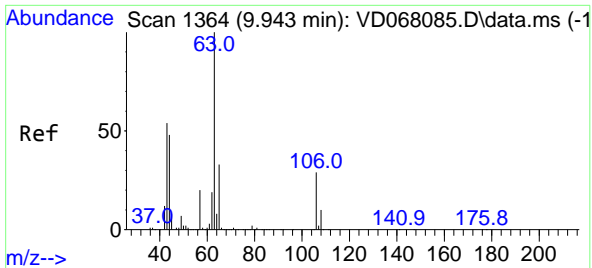
Tgt Ion: 98 Resp: 946019
 Ion Ratio Lower Upper
 98 100
 100 65.2 53.0 79.4



#51
 4-Methyl-2-Pentanone
 Concen: 1.92 ug/l
 RT: 10.231 min Scan# 1413
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

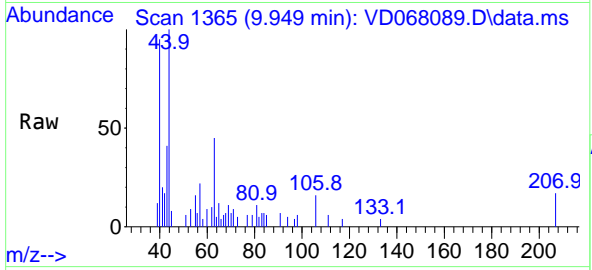
Tgt Ion: 43 Resp: 6114
 Ion Ratio Lower Upper
 43 100
 58 34.8 36.1 54.1#



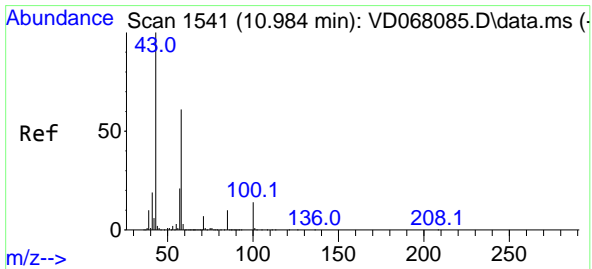
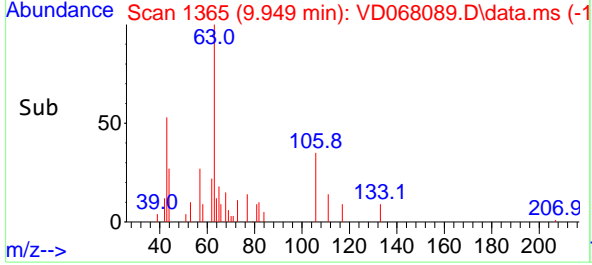
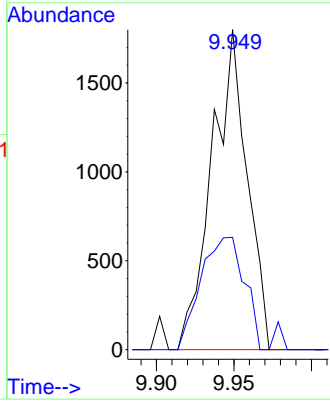


#58
 2-Chloroethyl Vinyl ether
 Concen: 1.01 ug/l
 RT: 9.949 min Scan# 1365
 Delta R.T. 0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Instrument :
 MSVOA_D
ClientSampled :
 VD0119SBL01

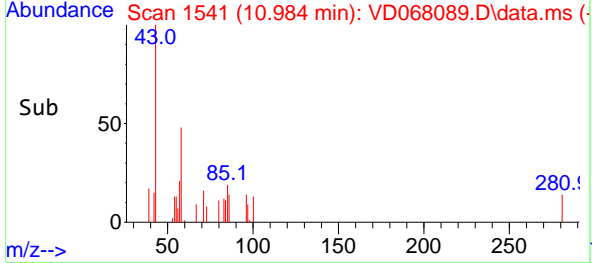
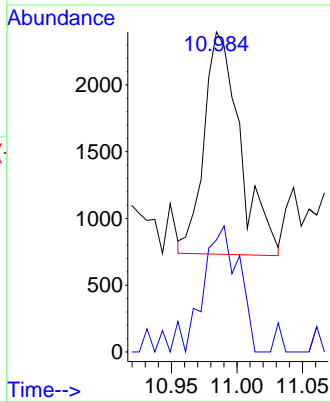
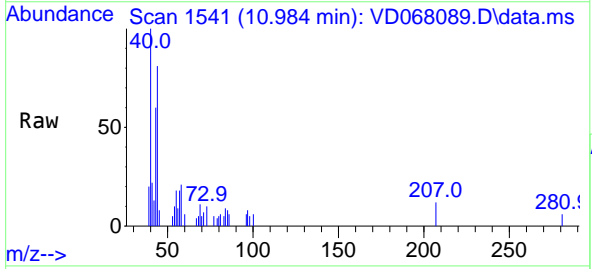


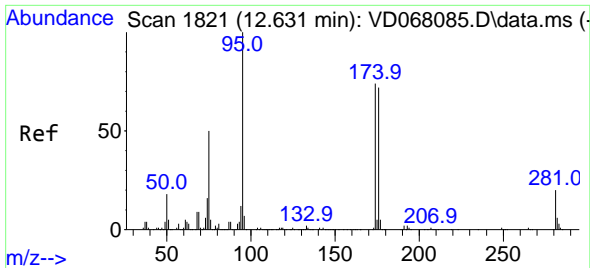
Tgt Ion: 63 Resp: 2845
 Ion Ratio Lower Upper
 63 100
 106 43.4 27.0 40.4#



#59
 2-Hexanone
 Concen: 1.44 ug/l
 RT: 10.984 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

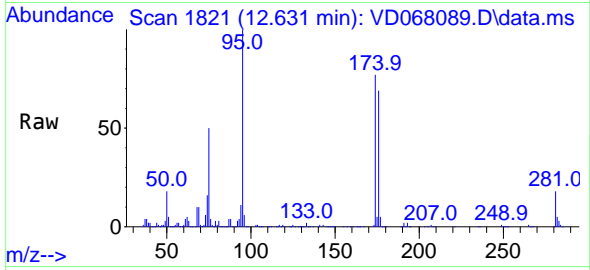
Tgt Ion: 43 Resp: 3184
 Ion Ratio Lower Upper
 43 100
 58 56.5 31.0 93.0





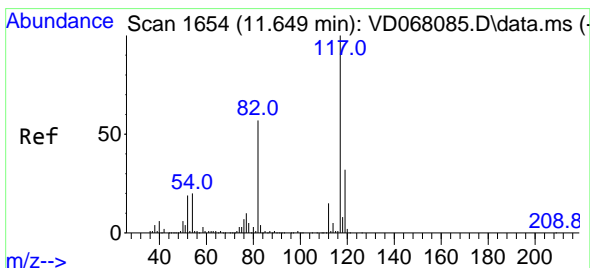
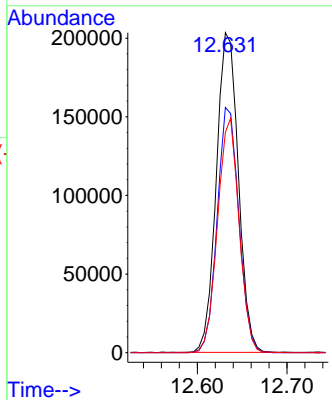
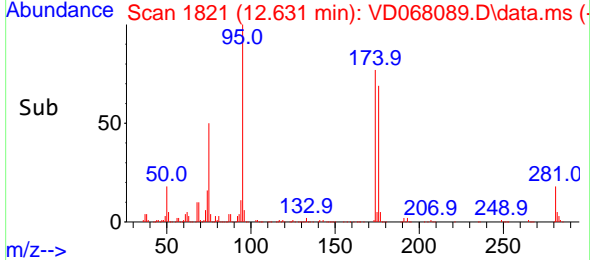
#62
 4-Bromofluorobenzene
 Concen: 47.20 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. -0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Instrument :
 MSVOA_D
 ClientSampled :
 VD0119SBL01

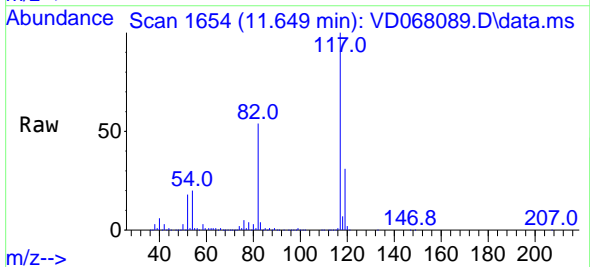


Tgt Ion: 95 Resp: 346101

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	172.4
176	71.6	0.0	168.4

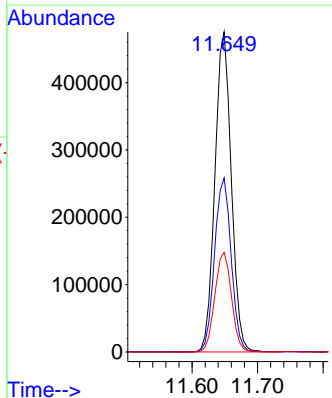
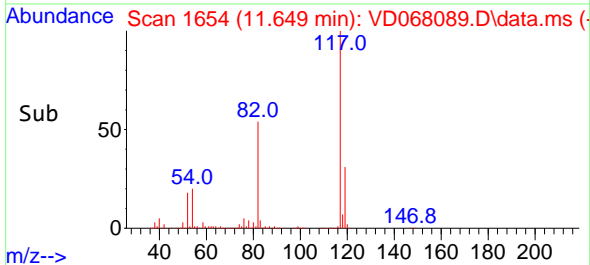


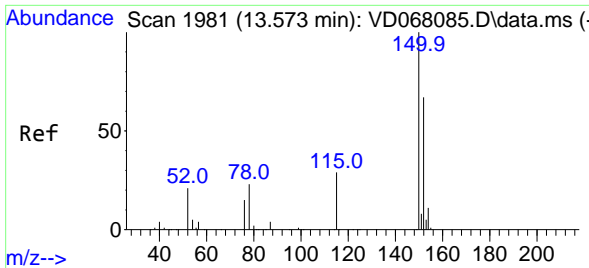
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.649 min Scan# 1654
 Delta R.T. 0.000 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43



Tgt Ion: 117 Resp: 821134

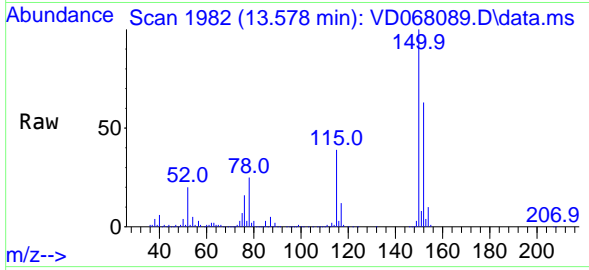
Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.4	62.0
119	31.1	26.1	39.1



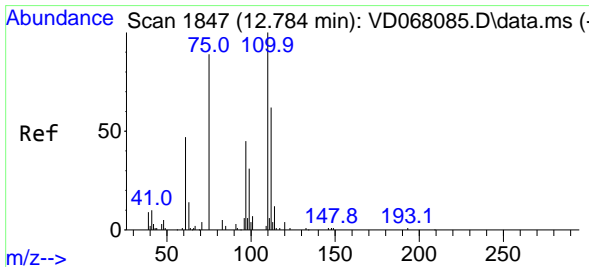
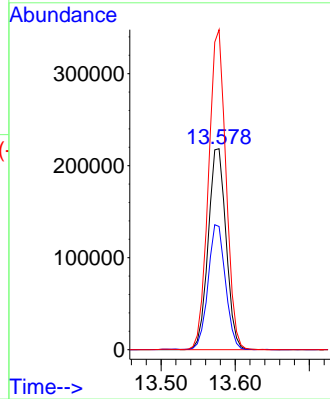
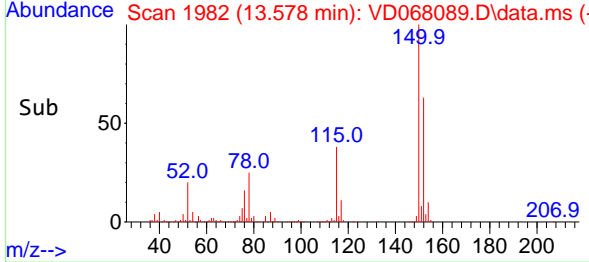


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.578 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

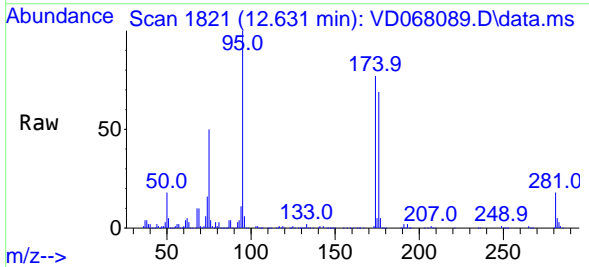
Instrument :
 MSVOA_D
 ClientSampled :
 VD0119SBL01



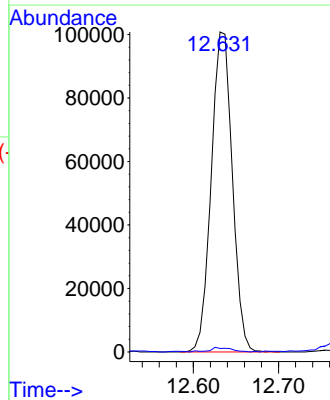
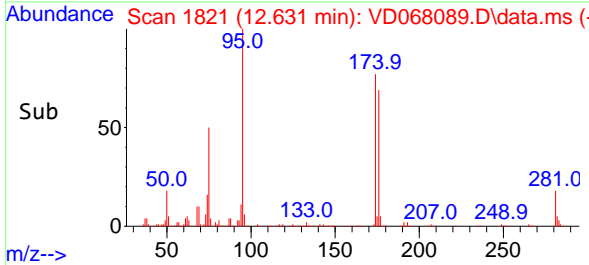
Tgt Ion:152 Resp: 365304
 Ion Ratio Lower Upper
 152 100
 115 60.7 28.9 86.8
 150 155.8 0.0 344.4

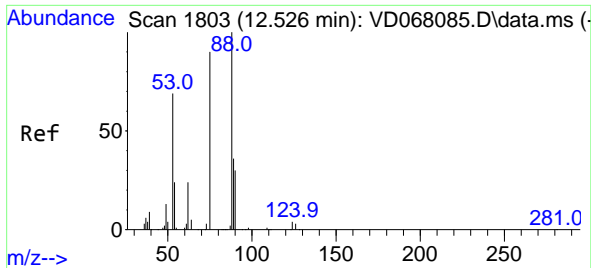


#76
 1,2,3-Trichloropropane
 Concen: 49.00 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43



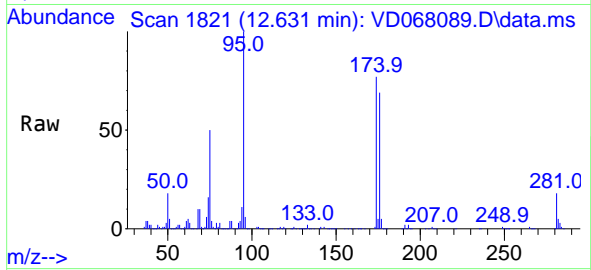
Tgt Ion: 75 Resp: 173057
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.14 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068089.D
 Acq: 19 Jan 2021 14:43

Instrument :
 MSVOA_D
 ClientSampled :
 VD0119SBL01



Tgt Ion: 75 Resp: 173057
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.2 105.2#
 89 0.0 40.3 60.5#

