

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042921\
 Data File : VD069030.D
 Acq On : 29 Apr 2021 20:48
 Operator : VA/SY
 Sample : M2225-01
 Misc : 7.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 02:58:39 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)

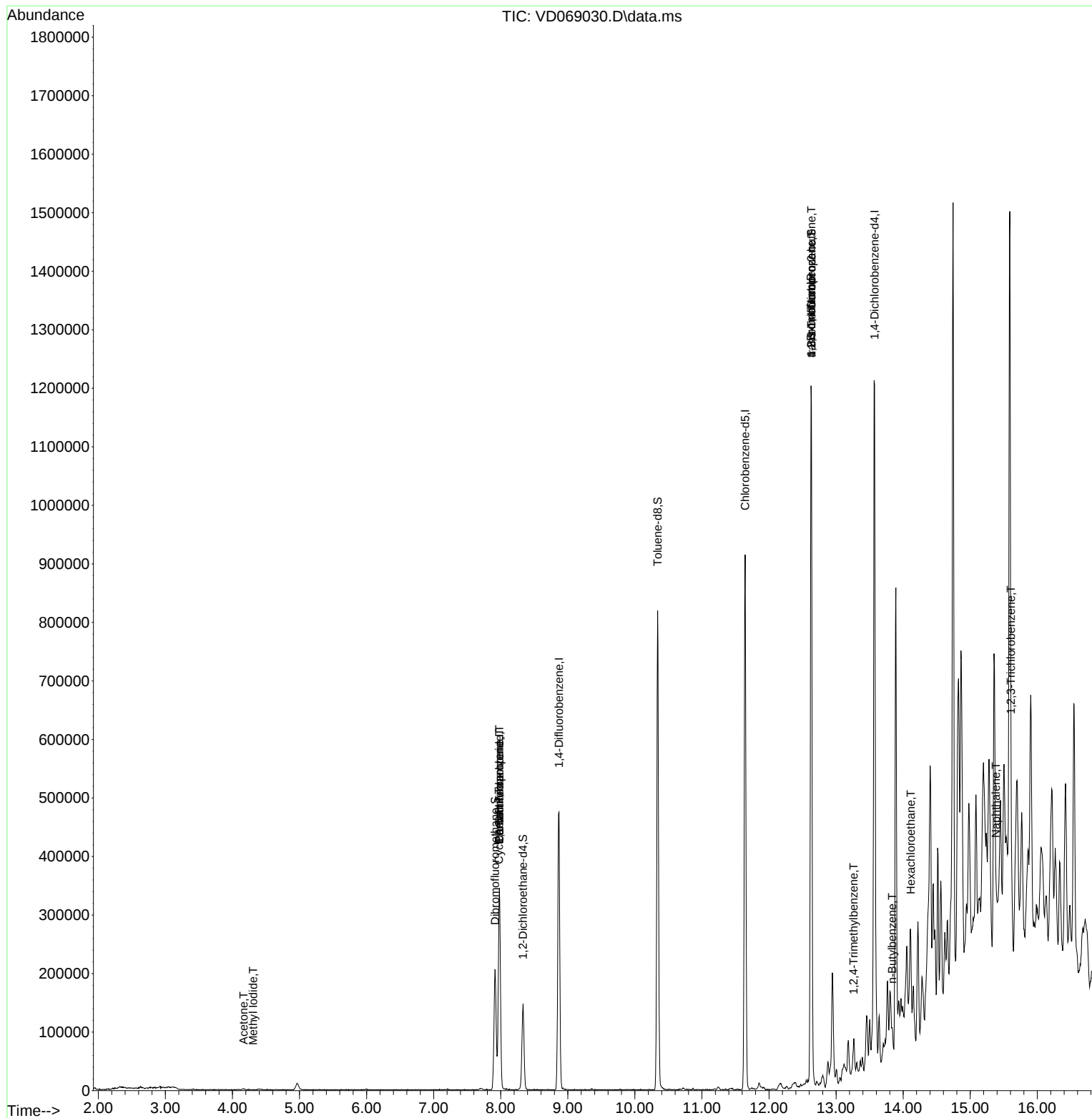
Internal Standards						
1) Pentafluorobenzene	7.979	168	264772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	446372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	563889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	321877	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	111665	39.91	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.82%		
35) Dibromofluoromethane	7.914	113	142602	49.12	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.24%		
50) Toluene-d8	10.338	98	577442	52.72	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.44%		
62) 4-Bromofluorobenzene	12.632	95	278422	76.54	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	153.08%#		
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	55	2.26	ug/l #	41
11) Tert butyl alcohol	5.232	59	113	Below Cal	#	73
16) Acetone	4.167	43	2747	7.09	ug/l #	82
20) Methylene Chloride	4.973	84	8945	Below Cal		92
31) Cyclohexane	7.973	56	5467	1.17	ug/l #	40
36) 1,1-Dichloropropene	7.979	75	18736	4.15	ug/l #	49
38) Carbon Tetrachloride	7.979	117	25718	5.75	ug/l #	15
71) Bromoform	12.626	173	2396	1.02	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	137472	46.75	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	137472	108.49	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.261	105	37246	1.88	ug/l	95
89) n-Butylbenzene	13.838	91	21443	1.06	ug/l #	76
90) Hexachloroethane	14.114	117	7940	1.86	ug/l #	14
95) Naphthalene	15.385	128	10855	1.04	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.608	180	5479	1.05	ug/l #	13

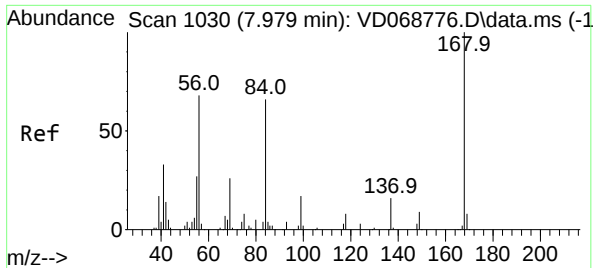
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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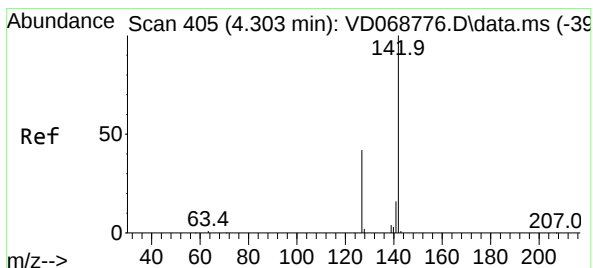
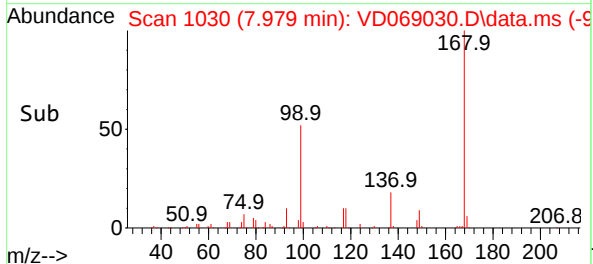
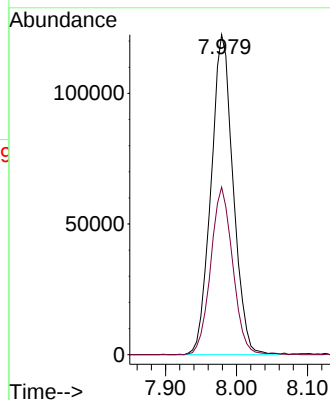
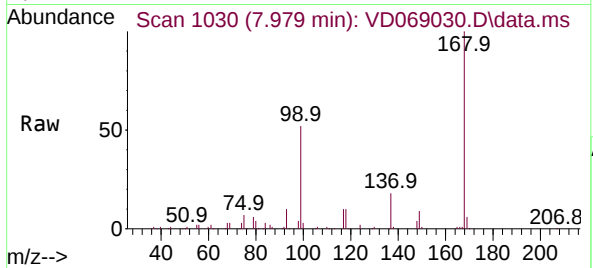




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

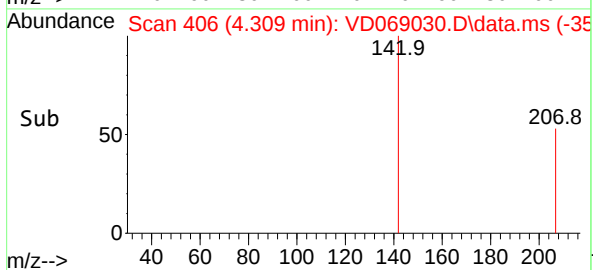
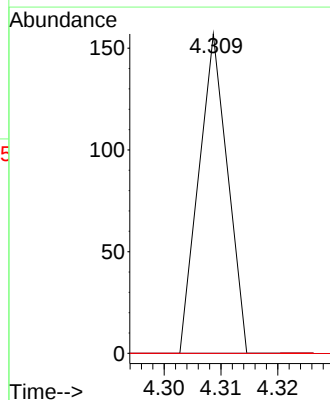
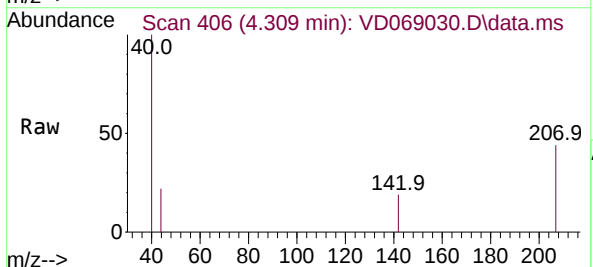
Instrument :
MSVOA_D
ClientSampleId :

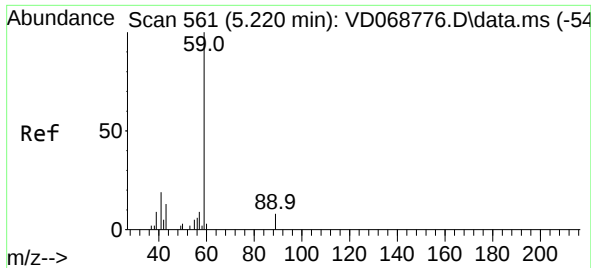
Tgt Ion:168 Resp: 264772
Ion Ratio Lower Upper
168 100
99 52.2 46.2 69.2



#10
Methyl Iodide
Concen: 2.26 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

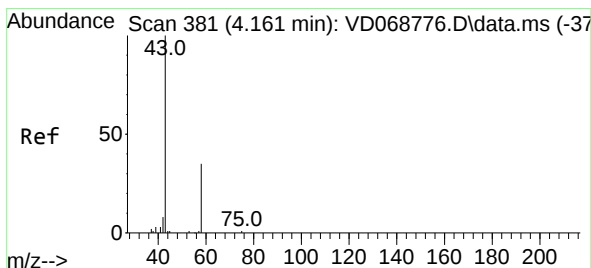
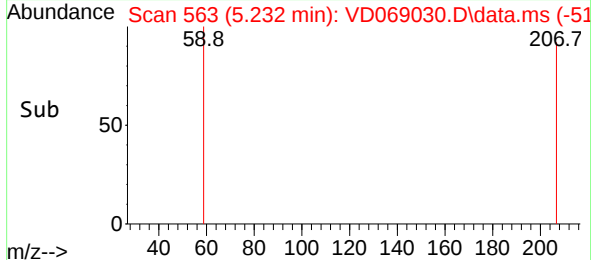
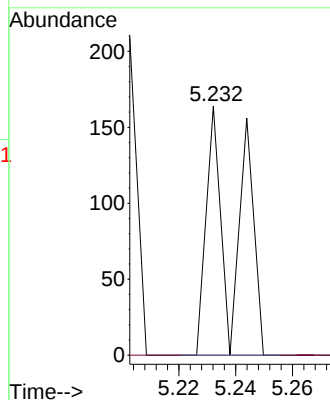
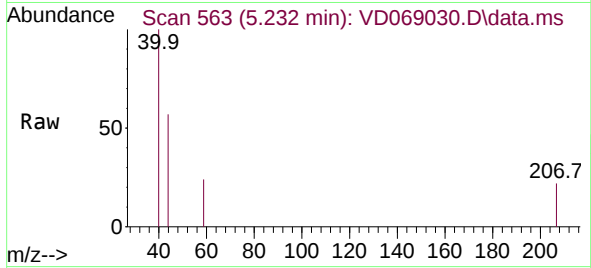




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

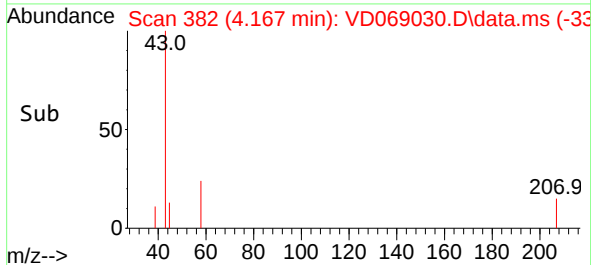
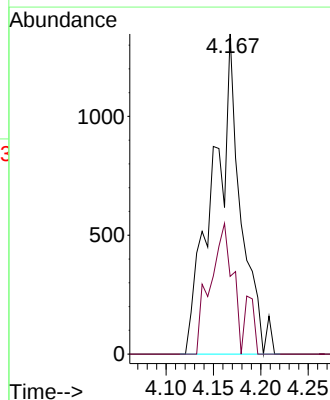
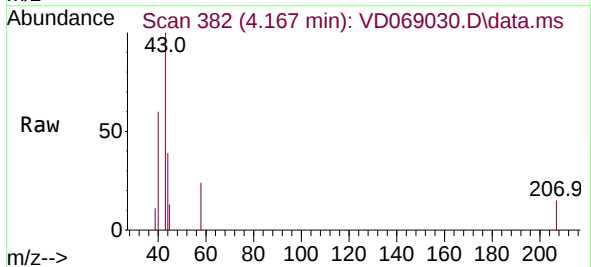
Instrument :
MSVOA_D
ClientSampled :

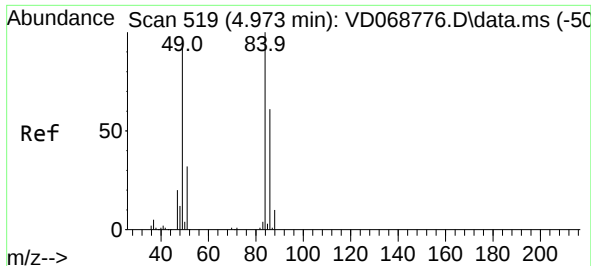
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 7.09 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

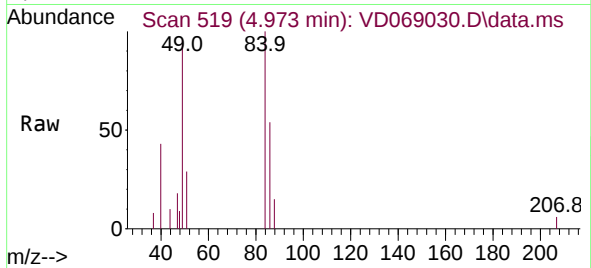
Tgt Ion: 43 Resp: 2747
Ion Ratio Lower Upper
43 100
58 24.3 28.0 42.0#



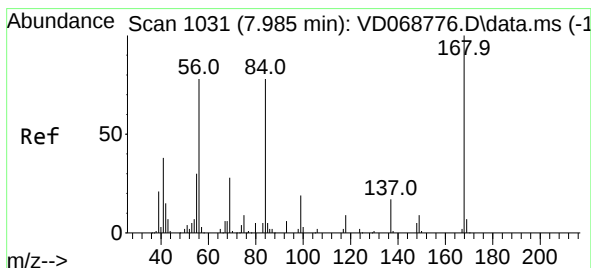
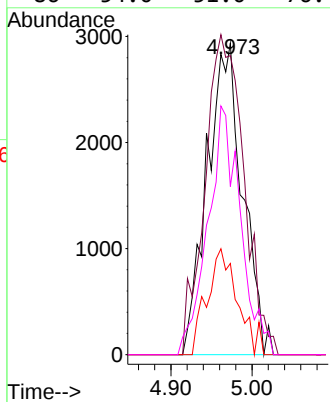
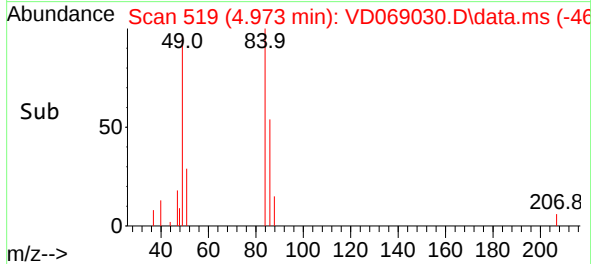


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

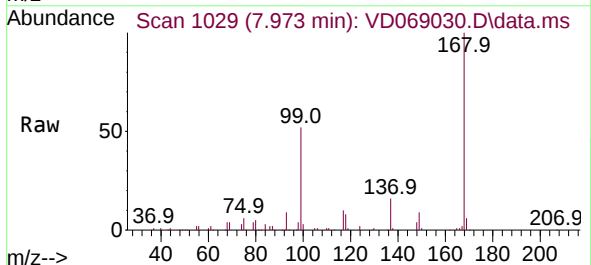
Instrument :
MSVOA_D
ClientSampled :



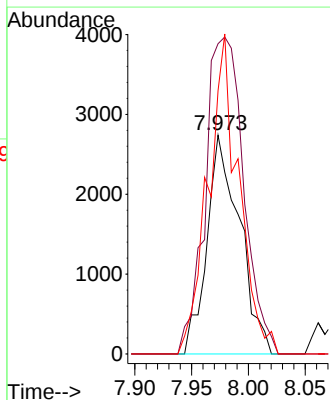
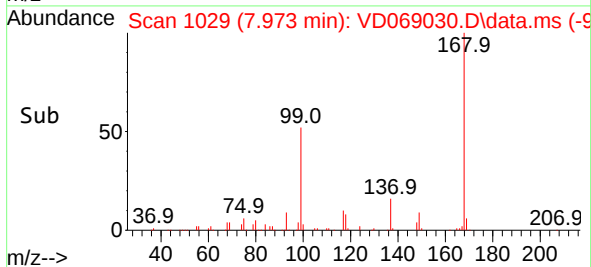
Tgt Ion:	84	Resp:	8945
Ion	Ratio	Lower	Upper
84	100		
49	96.0	83.4	125.0
51	29.2	23.4	35.2
86	54.0	51.0	76.4

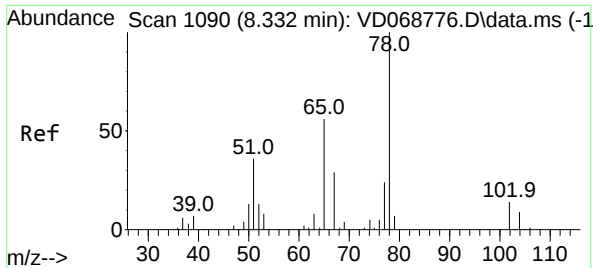


#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48



Tgt Ion:	56	Resp:	5467
Ion	Ratio	Lower	Upper
56	100		
69	141.9	30.0	45.0#
84	120.3	82.0	123.0

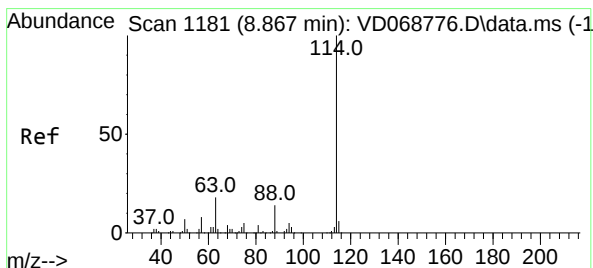
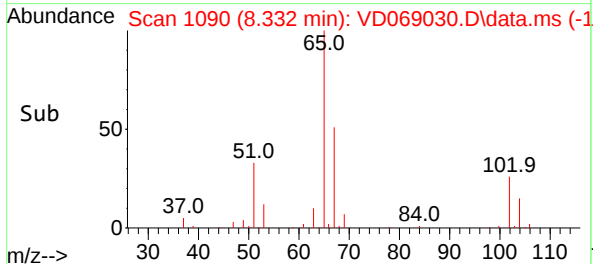
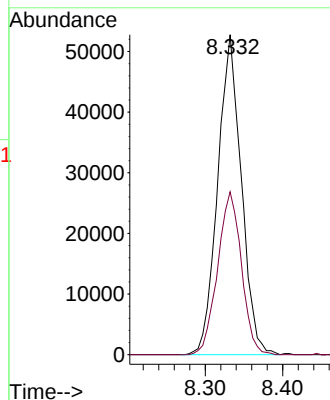
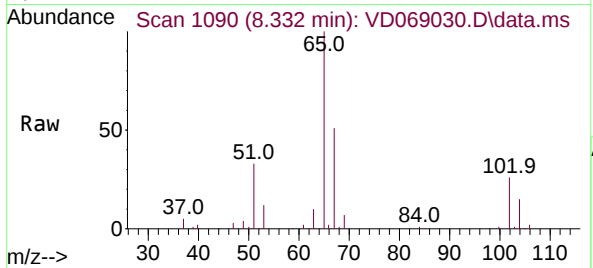




#33
1,2-Dichloroethane-d4
Concen: 39.91 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

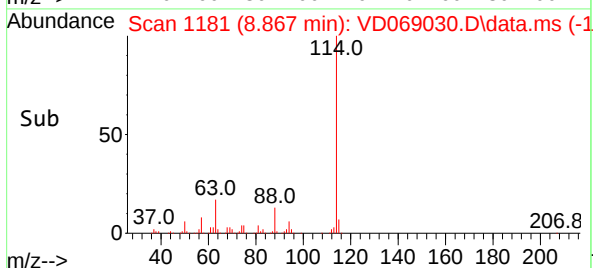
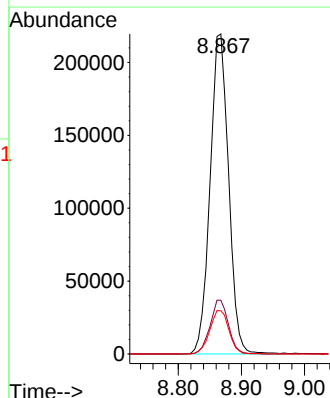
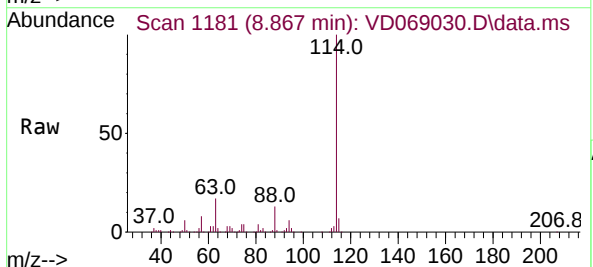
Instrument :
MSVOA_D
ClientSampled :

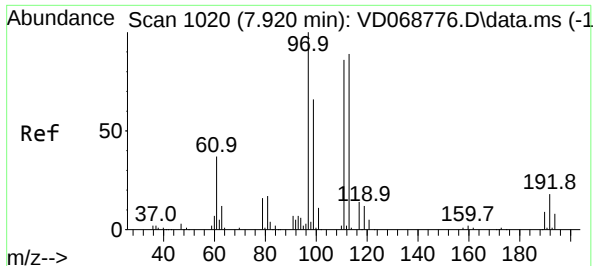
Tgt Ion: 65 Resp: 111665
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Tgt Ion: 114 Resp: 446372
Ion Ratio Lower Upper
114 100
63 16.8 0.0 38.2
88 13.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.12 ug/l

RT: 7.914 min Scan# 1019

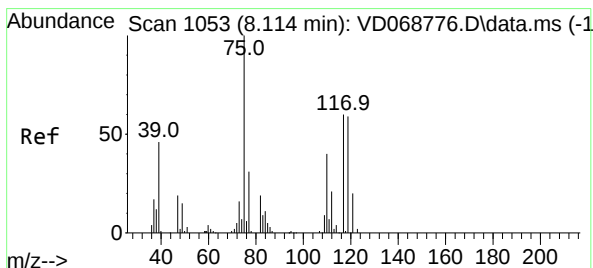
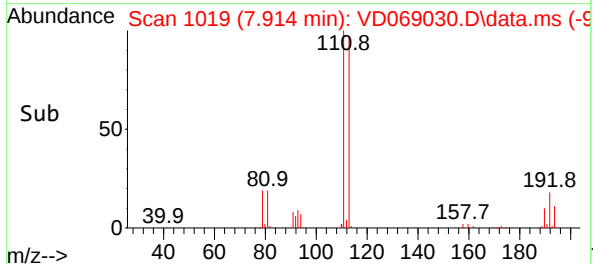
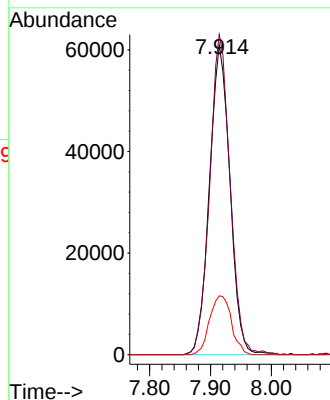
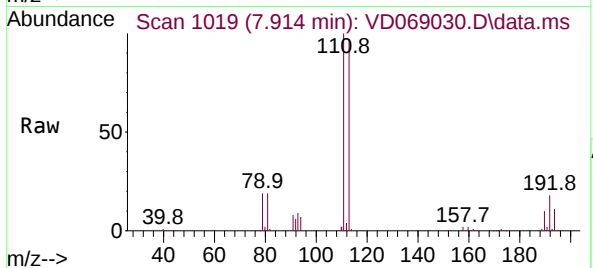
Delta R.T. -0.006 min

Lab File: VD069030.D

Acq: 29 Apr 2021 20:48

Tgt Ion:	113	Resp:	142602
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.5	123.7
192	20.2	15.1	22.7

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.15 ug/l

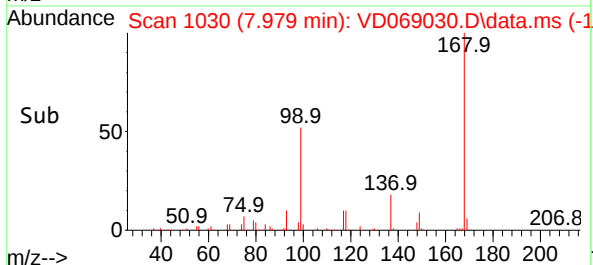
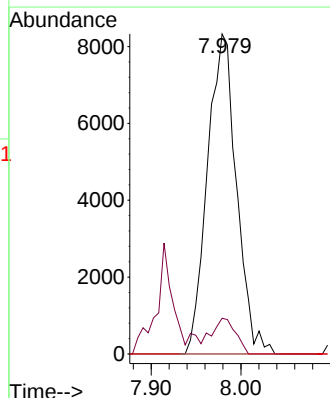
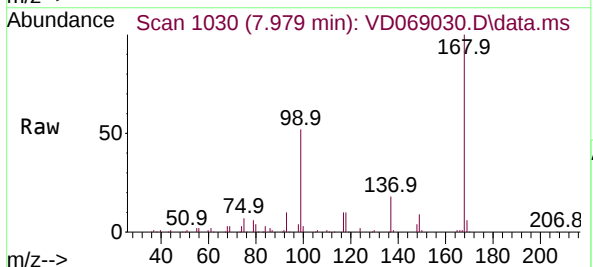
RT: 7.979 min Scan# 1030

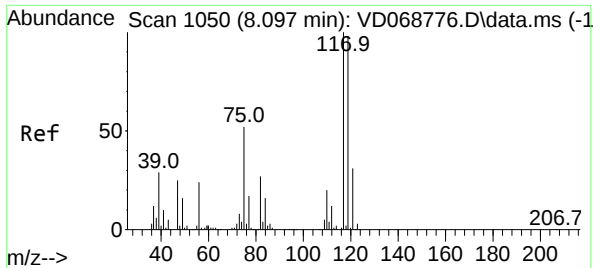
Delta R.T. -0.135 min

Lab File: VD069030.D

Acq: 29 Apr 2021 20:48

Tgt Ion:	75	Resp:	18736
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	24.7	37.1#

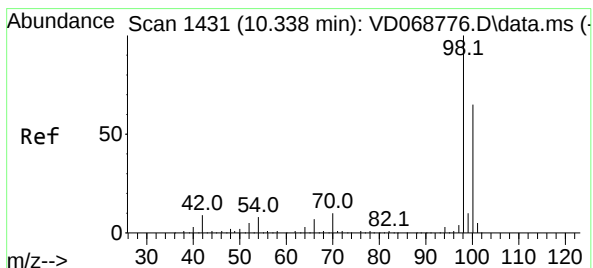
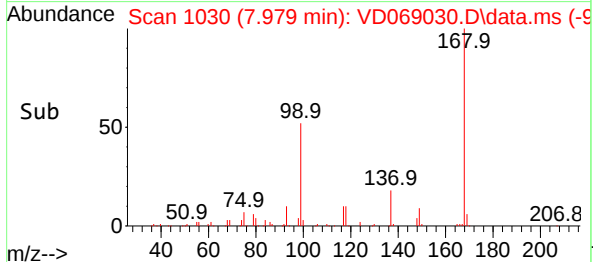
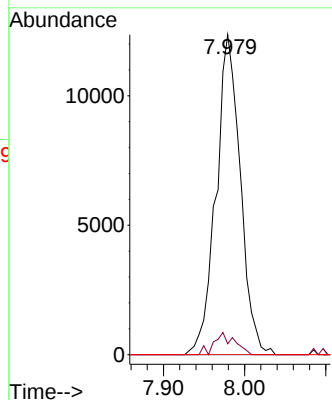
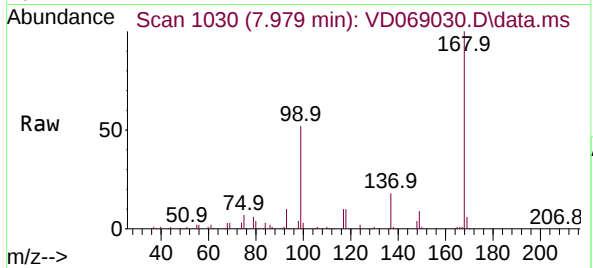




#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

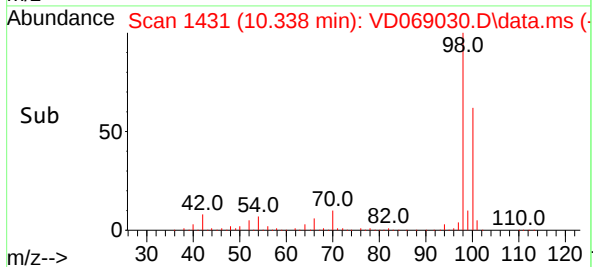
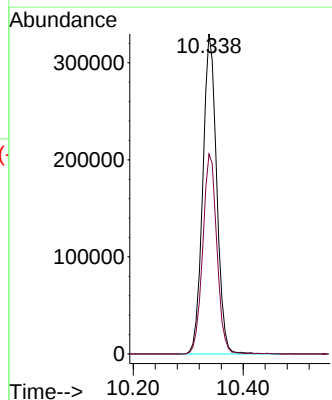
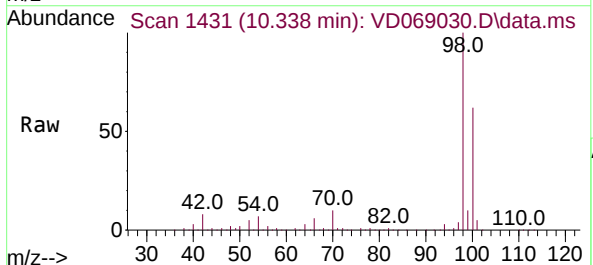
Instrument :
MSVOA_D
ClientSampleId :

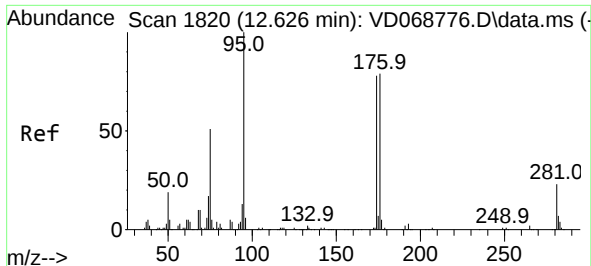
Tgt Ion:117 Resp: 25718
Ion Ratio Lower Upper
117 100
119 3.4 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.72 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Tgt Ion: 98 Resp: 577442
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6

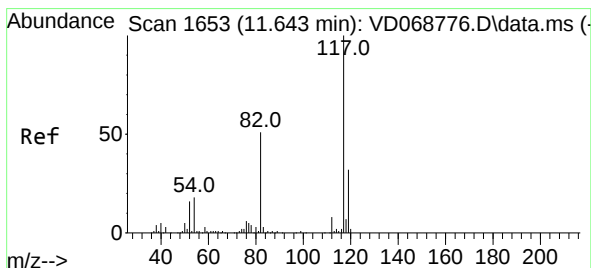
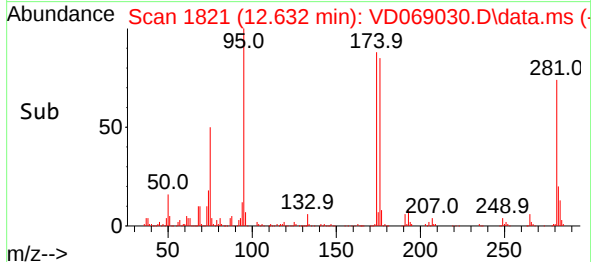
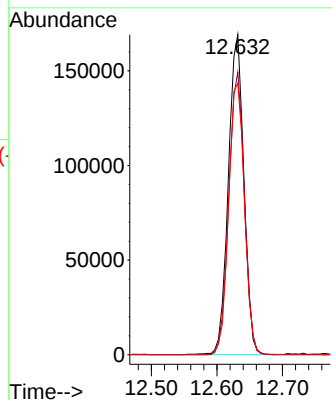
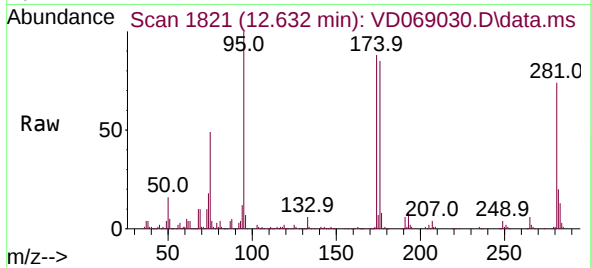




#62
4-Bromofluorobenzene
Concen: 76.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

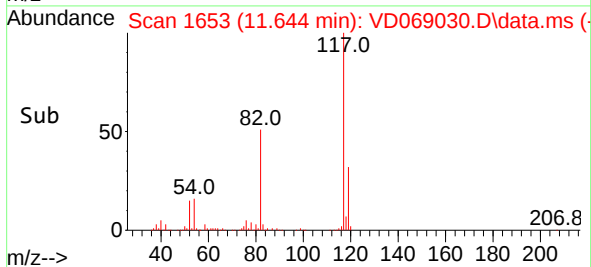
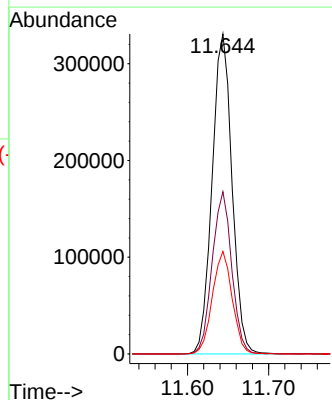
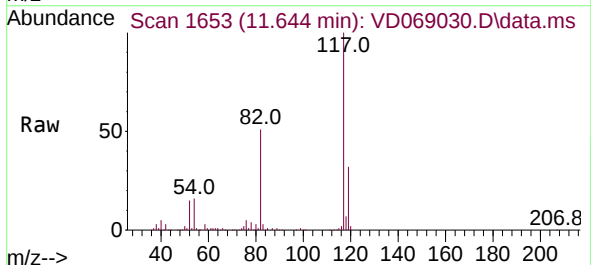
Instrument :
MSVOA_D
ClientSampleId :

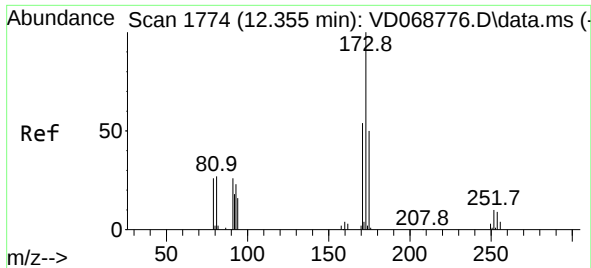
Tgt Ion: 95 Resp: 278422
Ion Ratio Lower Upper
95 100
174 88.2 0.0 168.0
176 86.3 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

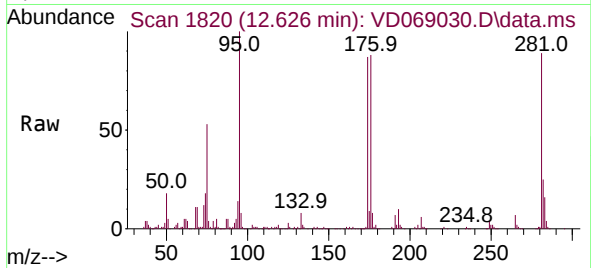
Tgt Ion: 117 Resp: 563889
Ion Ratio Lower Upper
117 100
82 50.7 43.5 65.3
119 32.0 26.7 40.1



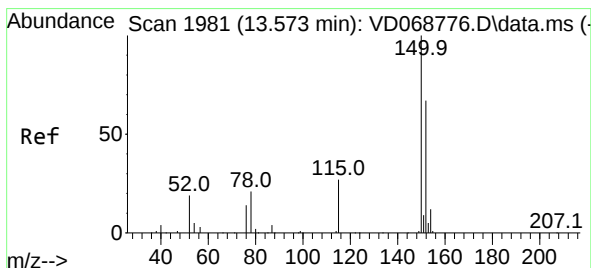
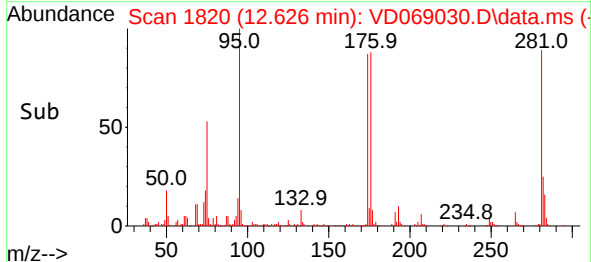
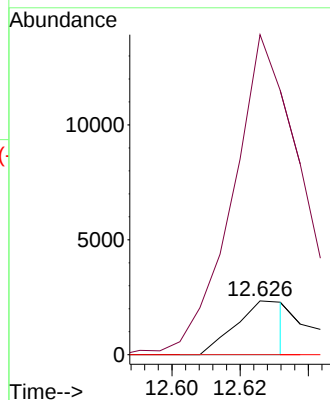


#71
Bromoform
Concen: 1.02 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Instrument :
MSVOA_D
ClientSampled :

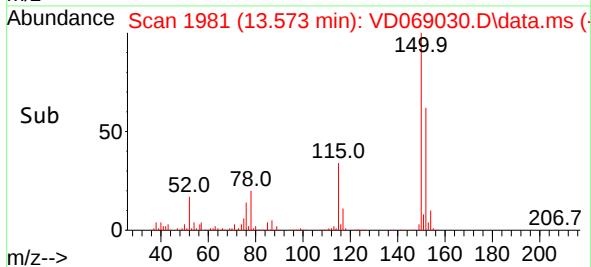
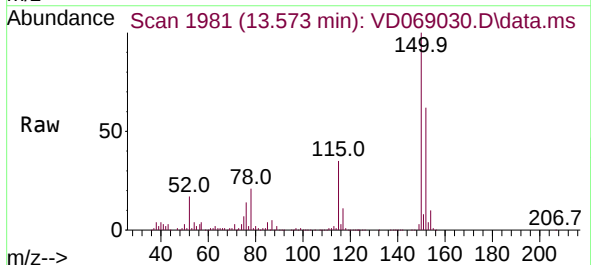
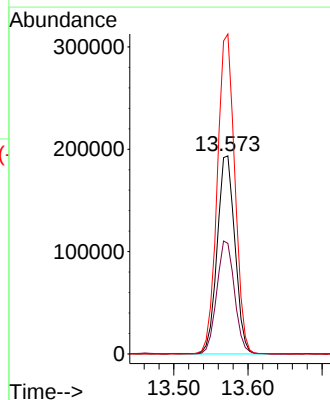


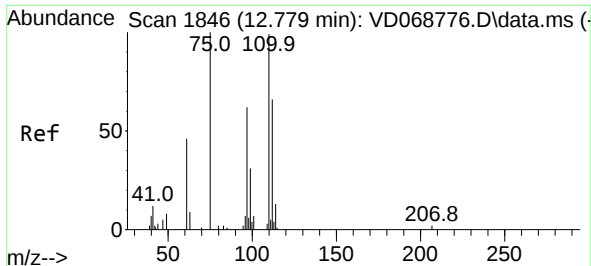
Tgt Ion:173 Resp: 2396
Ion Ratio Lower Upper
173 100
175 607.7 23.6 71.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Tgt Ion:152 Resp: 321877
Ion Ratio Lower Upper
152 100
115 57.2 29.3 87.8
150 159.7 0.0 347.6

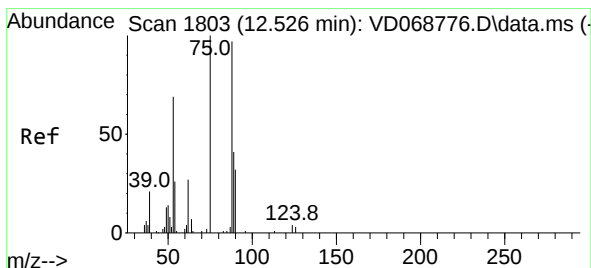
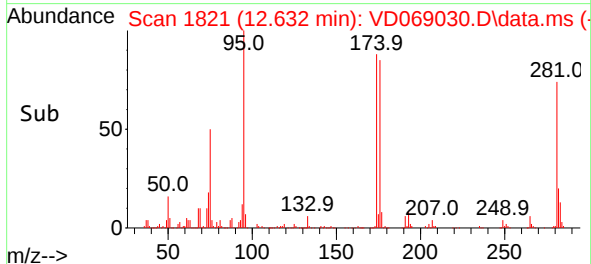
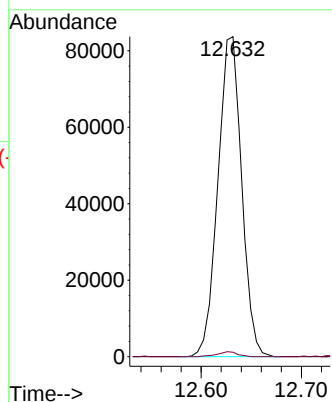
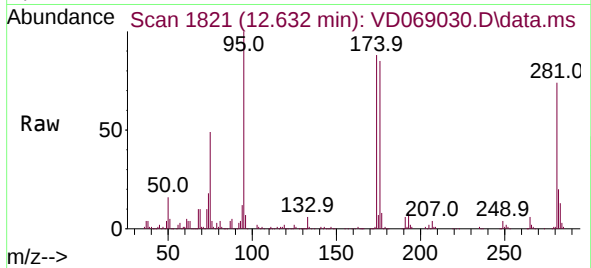




#76
1,2,3-Trichloropropane
Concen: 46.75 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

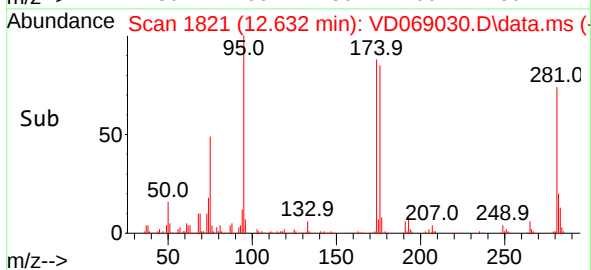
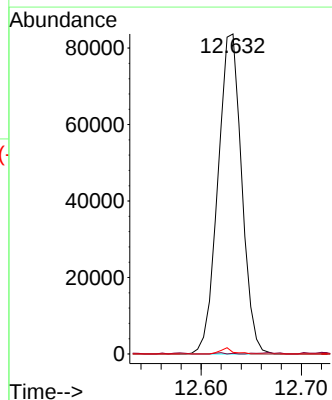
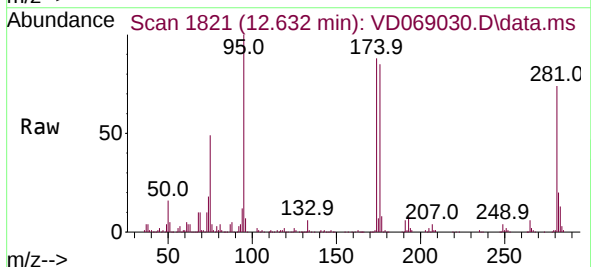
Instrument :
MSVOA_D
ClientSampled :

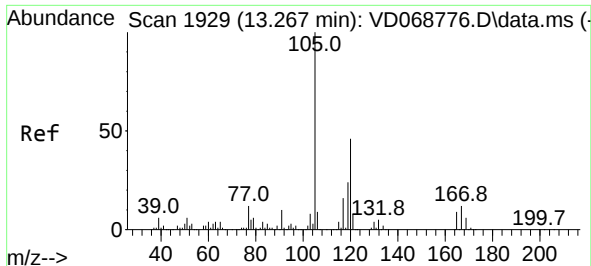
Tgt Ion: 75 Resp: 137472
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.49 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Tgt Ion: 75 Resp: 137472
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 1.0 36.6 54.8#

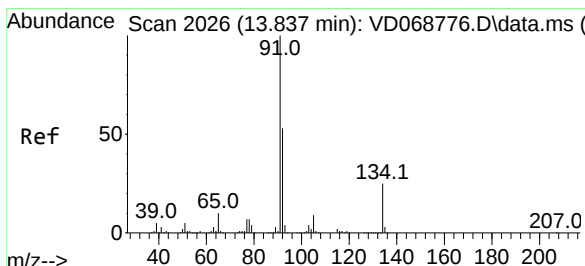
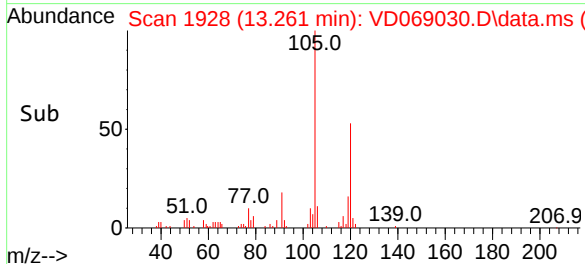
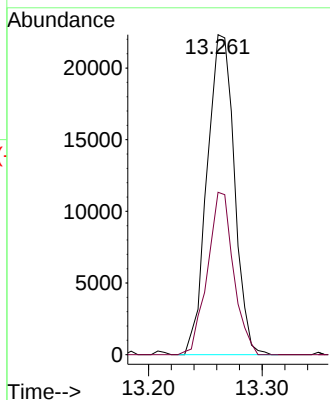
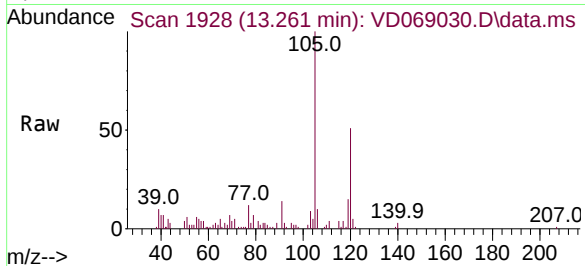




#84
1,2,4-Trimethylbenzene
Concen: 1.88 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

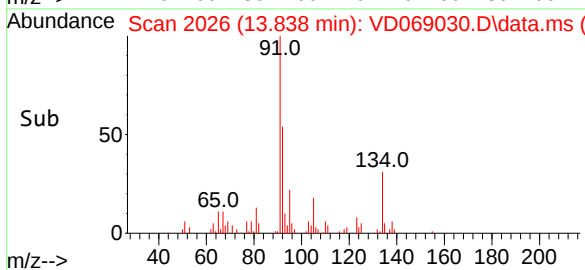
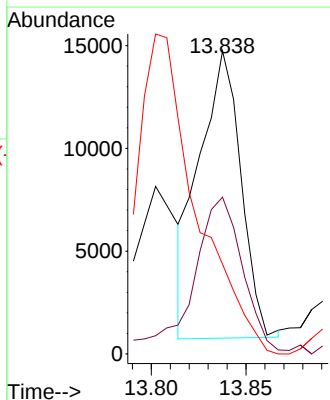
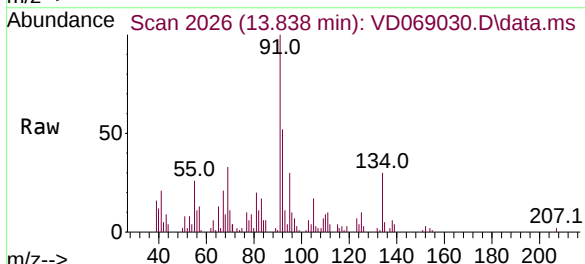
Instrument :
MSVOA_D
ClientSampled :

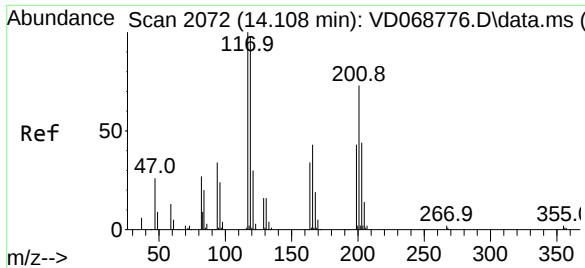
Tgt Ion:105 Resp: 37246
Ion Ratio Lower Upper
105 100
120 48.4 22.6 67.7



#89
n-Butylbenzene
Concen: 1.06 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.001 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Tgt Ion: 91 Resp: 21443
Ion Ratio Lower Upper
91 100
92 61.1 26.7 80.1
134 0.0 12.9 38.6#

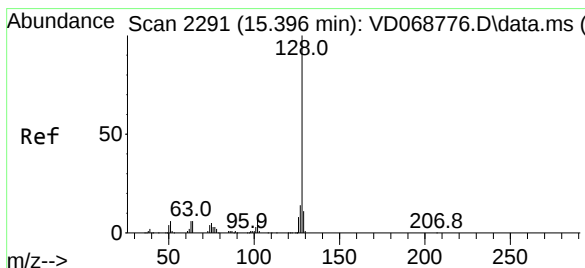
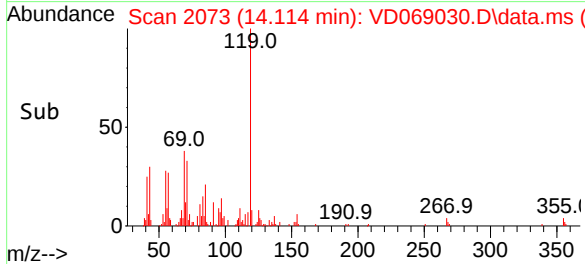
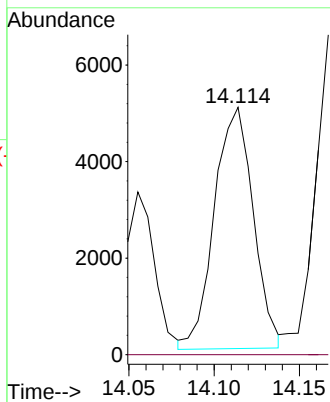
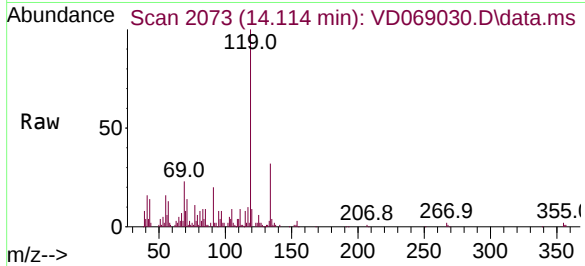




#90
Hexachloroethane
Concen: 1.86 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

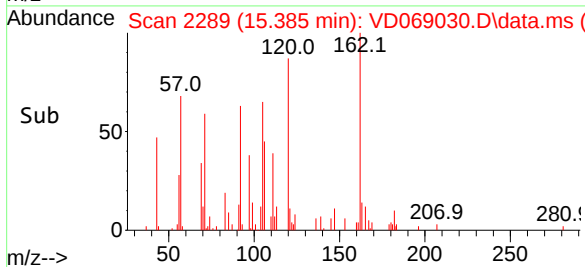
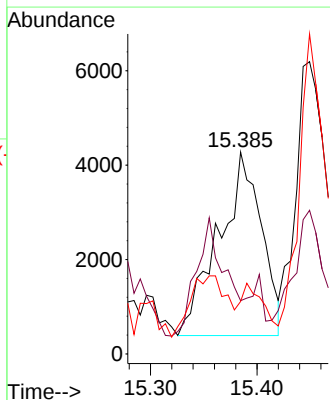
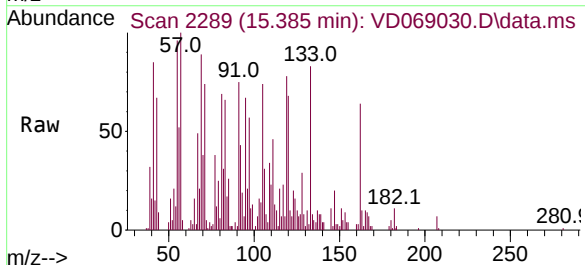
Instrument :
MSVOA_D
ClientSampled :

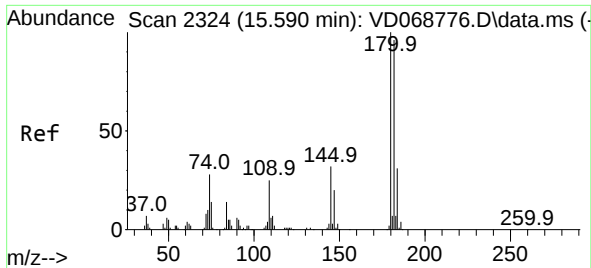
Tgt Ion:117 Resp: 7940
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#



#95
Naphthalene
Concen: 1.04 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Tgt Ion:128 Resp: 10855
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 10.5 8.9 13.3





#96
1,2,3-Trichlorobenzene
Concen: 1.05 ug/l
RT: 15.608 min Scan# 2327
Delta R.T. 0.018 min
Lab File: VD069030.D
Acq: 29 Apr 2021 20:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:180 Resp: 5479
Ion Ratio Lower Upper
180 100
182 0.0 46.5 139.3#
145 0.0 15.8 47.4#

