

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067754.D
 Acq On : 23 Nov 2020 19:05
 Operator : VA/SY
 Sample : L4588-01
 Misc : 6.5G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-112320

Quant Time: Nov 24 00:57:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	156307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	243924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	273601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	89880	59.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.28%
35) Dibromofluoromethane	7.92	113	80968	52.16	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.32%
50) Toluene-d8	10.34	98	285552	50.31	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.62%
62) 4-Bromofluorobenzene	12.64	95	127043	65.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	130.98%

Target Compounds

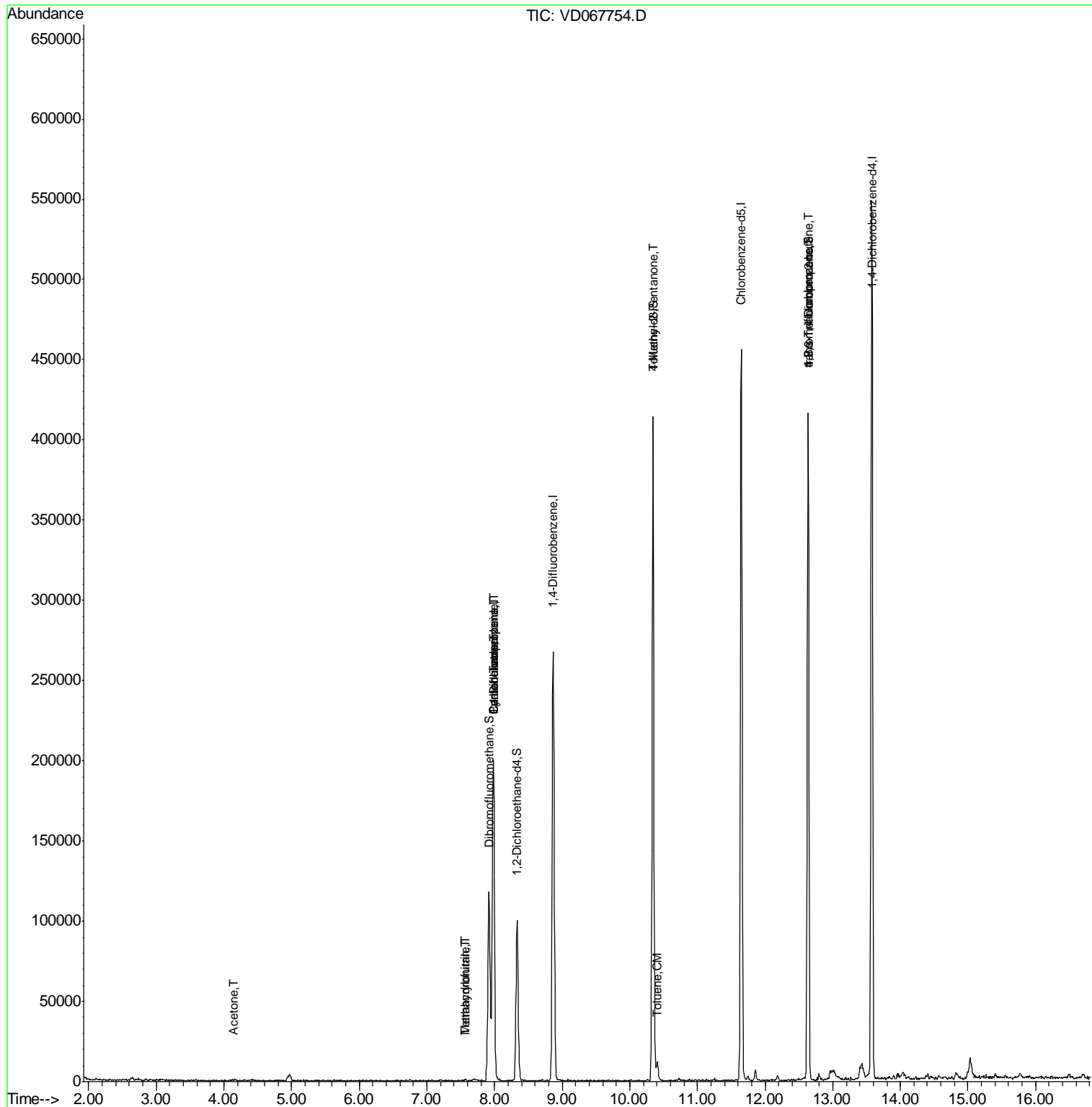
					Qvalue	
11) Tert butyl alcohol	5.20	59	98	Below Cal	#	87
16) Acetone	4.15	43	1676	8.536	ug/l #	40
20) Methylene Chloride	4.95	84	1356	Below Cal	#	80
29) Tetrahydrofuran	7.56	42	428	3.417	ug/l #	53
31) Cyclohexane	7.98	56	3328	1.810	ug/l #	51
36) 1,1-Dichloropropene	7.98	75	10812	5.165	ug/l #	39
38) Carbon Tetrachloride	7.98	117	15455	5.094	ug/l #	15
41) Methacrylonitrile	7.56	41	361	1.256	ug/l #	21
51) 4-Methyl-2-Pentanone	10.35	43	1083	2.048	ug/l #	33
52) Toluene	10.40	92	4346	1.114	ug/l #	84
76) 1,2,3-Trichloropropane	12.64	75	66598	63.664	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	66598	148.905	ug/l #	11

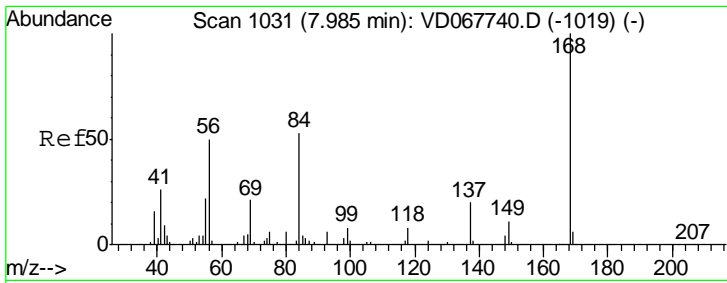
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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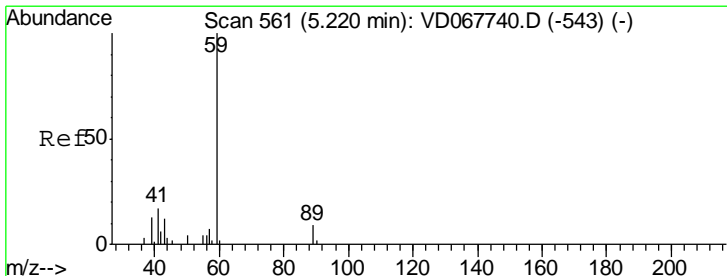
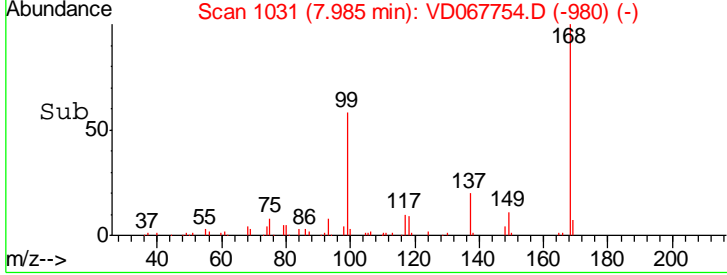
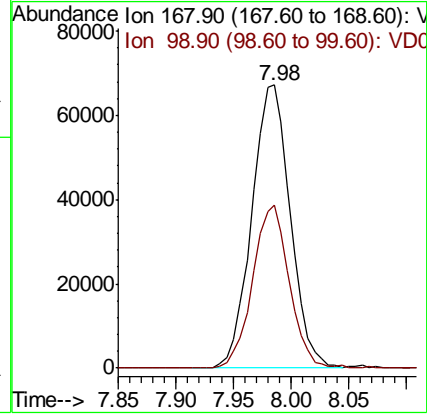
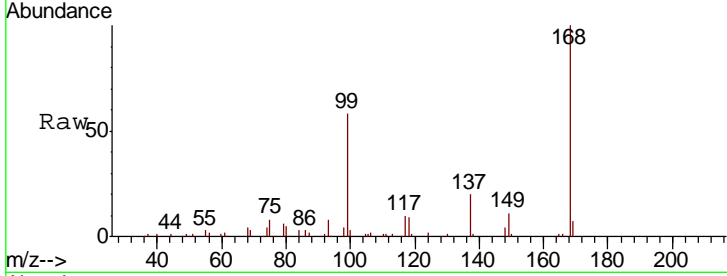




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

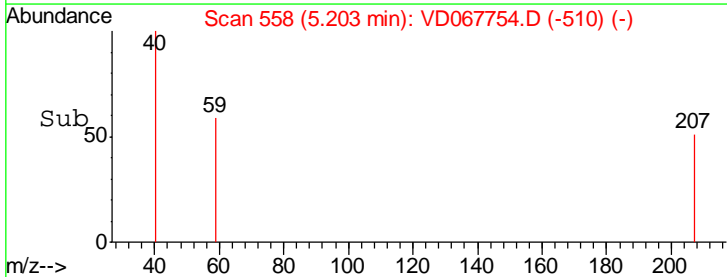
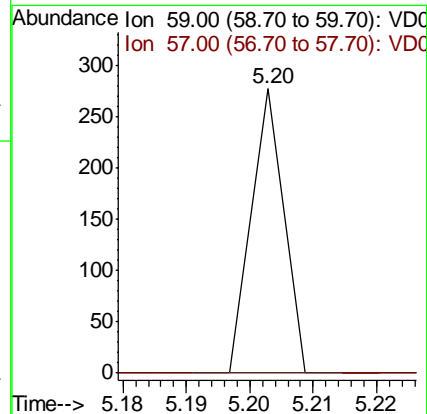
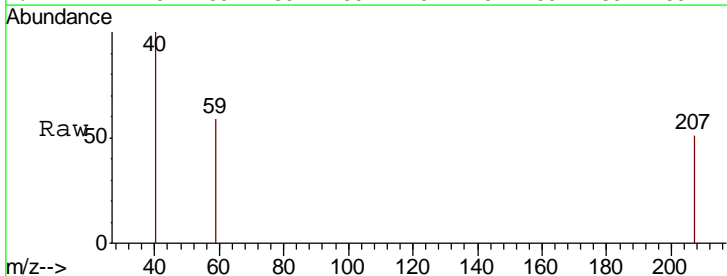
Instrument :
 MSVOA_D
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 HD-02-112320

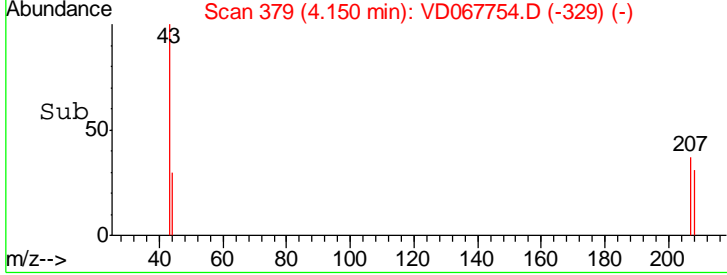
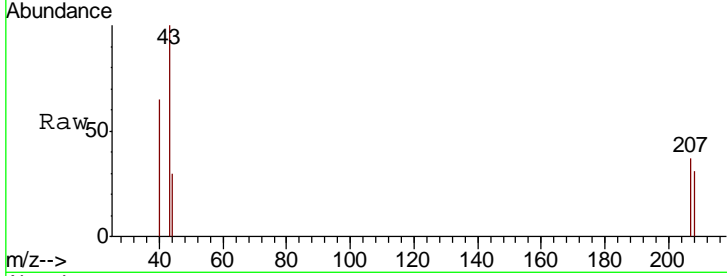
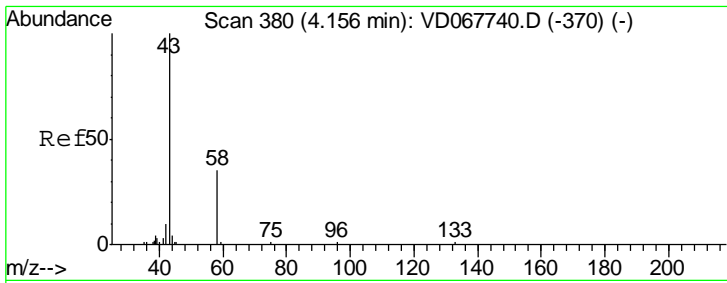
Tgt Ion: 168 Resp: 156307
 Ion Ratio Lower Upper
 168 100
 99 57.6 43.8 65.8



#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion: 59 Resp: 98
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.4 5.0#

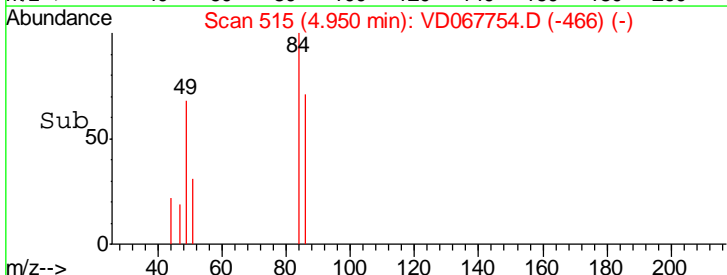
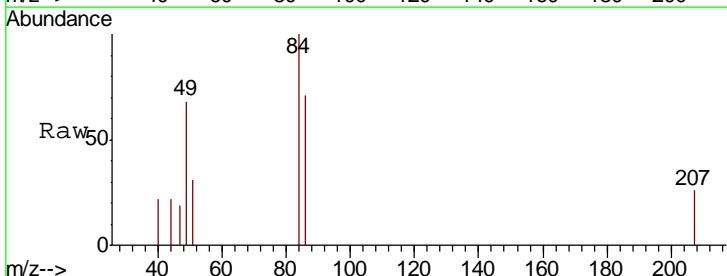
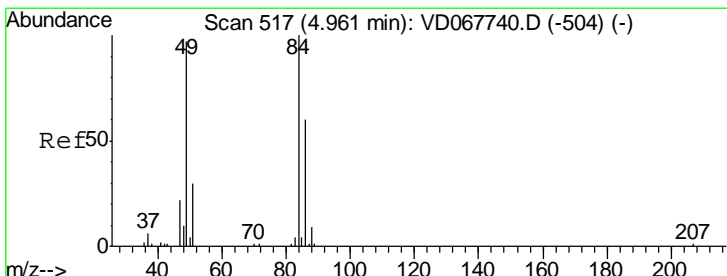
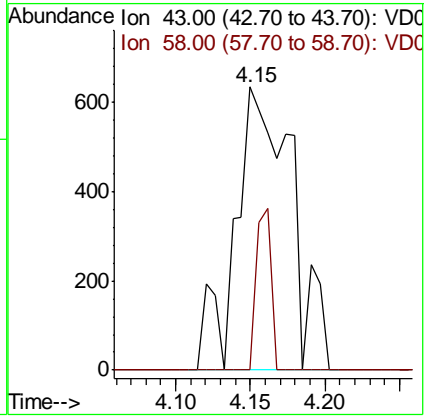




#16
 Acetone
 Concen: 8.536 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

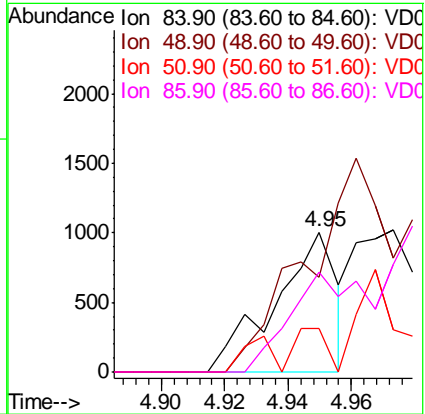
Instrument : MSVOA_D
 ClientSampleID : HD-02-112320

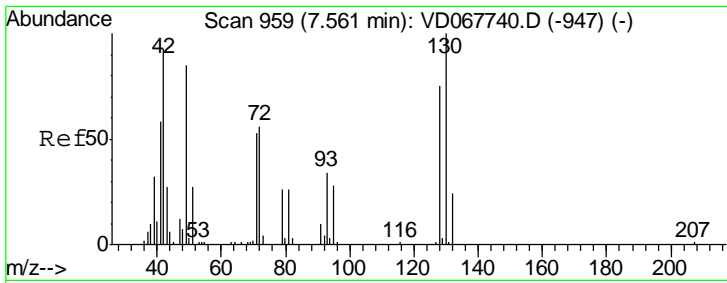
Tgt Ion	Resp	Lower	Upper
43	1676		
58	0.0	27.6	41.4#



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 4.95 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
84	1356		
49	67.5	77.4	116.2#
51	31.3	24.1	36.1
86	71.2	48.2	72.2

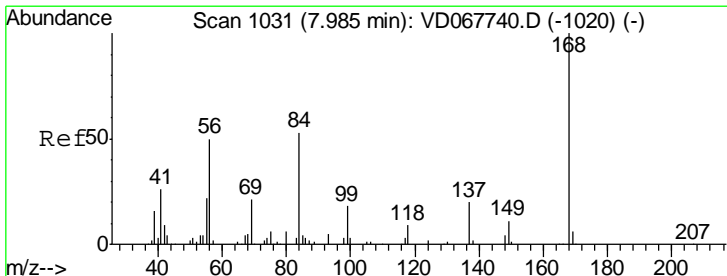
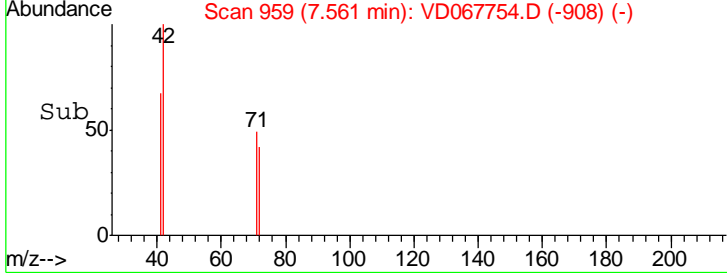
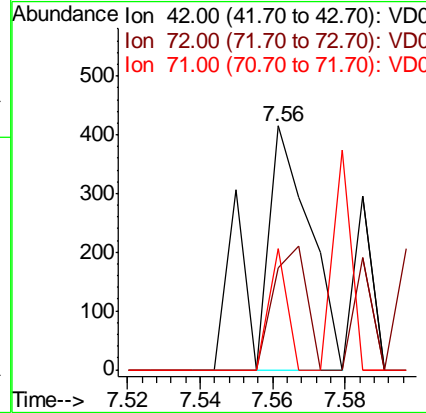
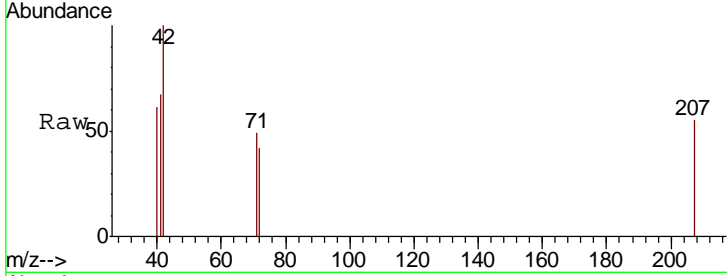




#29
 Tetrahydrofuran
 Concen: 3.417 ug/l
 RT: 7.56 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

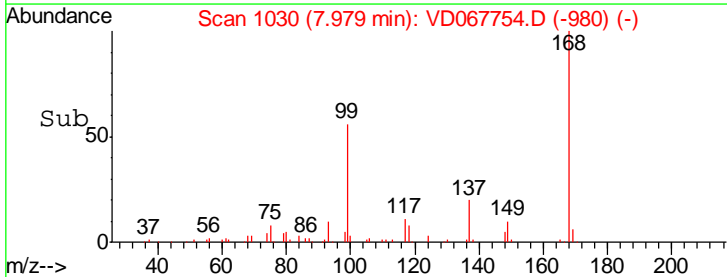
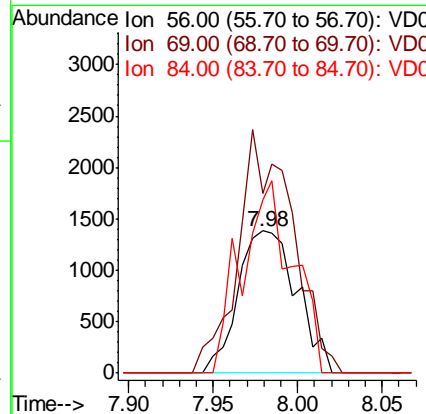
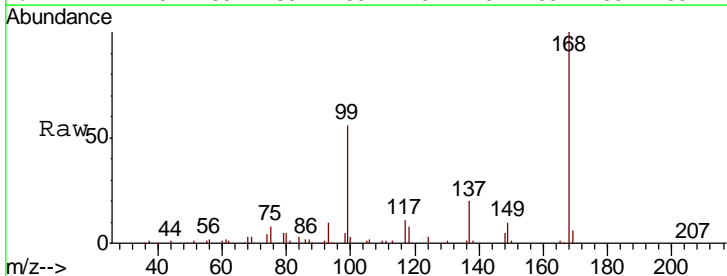
Instrument :
 MSVOA_D
 ClientSampleID :
 HD-02-112320

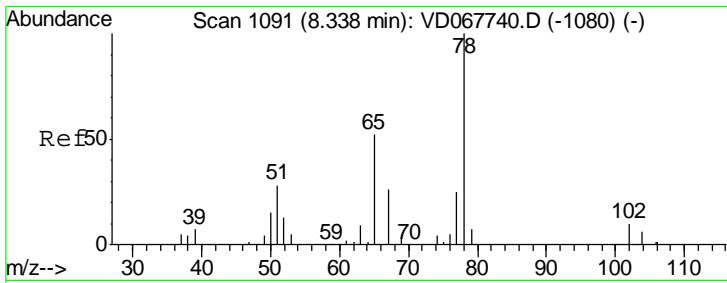
Tgt Ion	Resp	Lower	Upper
42	428		
72	31.5	49.3	73.9#
71	16.8	45.9	68.9#



#31
 Cyclohexane
 Concen: 1.810 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
56	3328		
69	126.5	33.2	49.8#
84	122.1	84.8	127.2

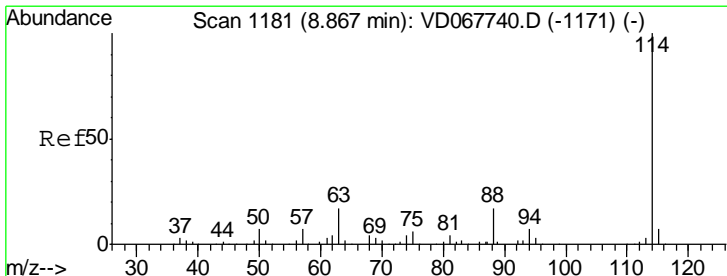
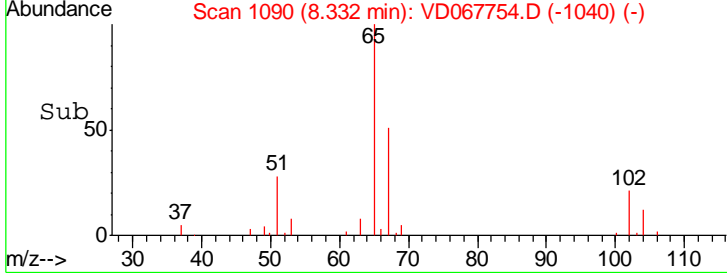
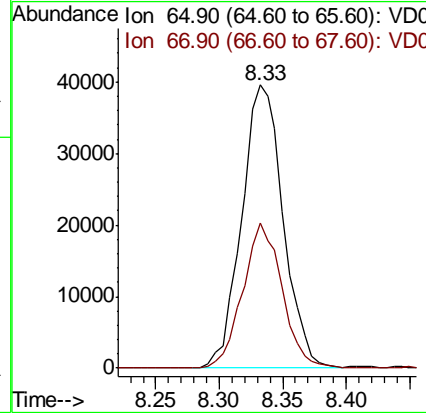
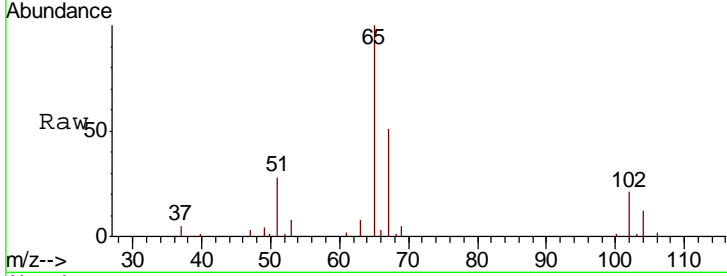




#33
 1,2-Dichloroethane-d4
 Concen: 59.140 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

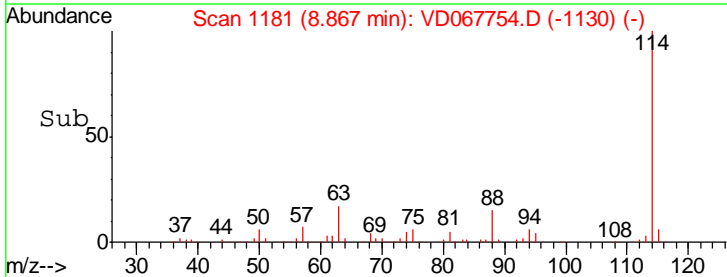
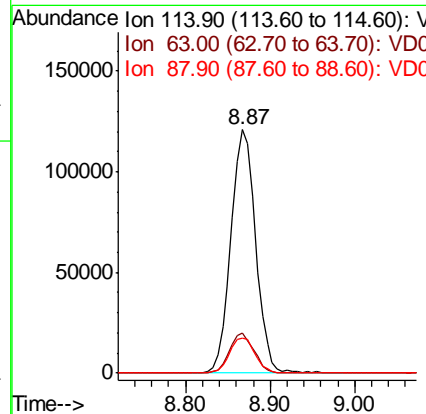
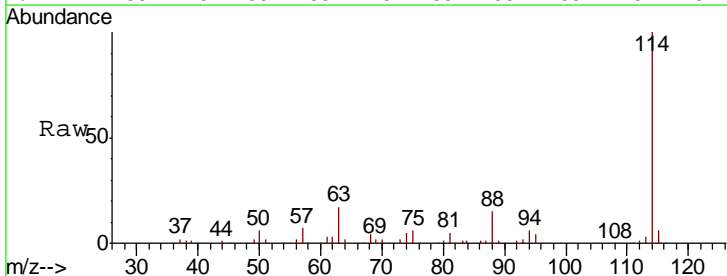
Instrument : MSVOA_D
 ClientSampleID : HD-02-112320

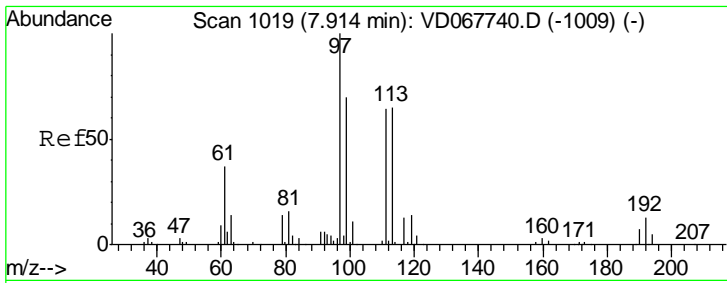
Tgt Ion	Resp	Lower	Upper
65	100		
67	48.6	0.0	101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
114	100		
63	16.6	0.0	34.8
88	14.6	0.0	34.4

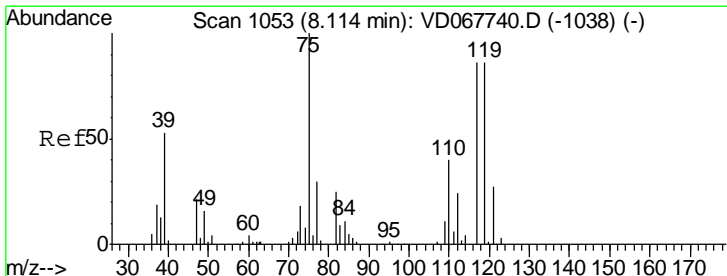
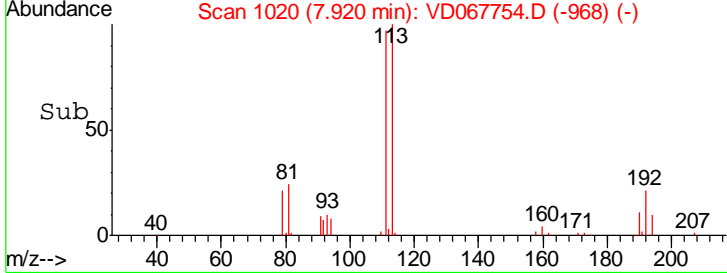
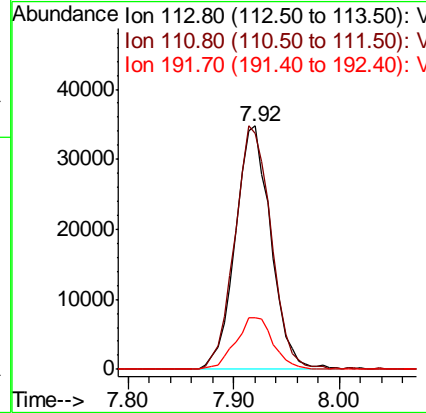
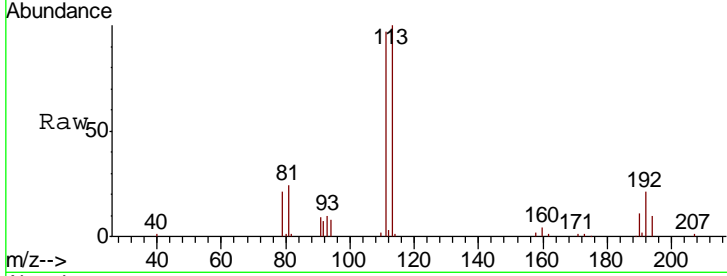




#35
 Dibromofluoromethane
 Concen: 52.159 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

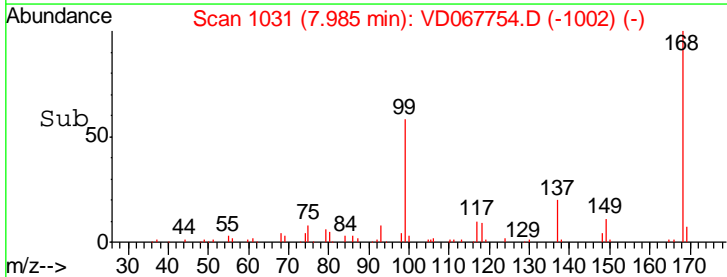
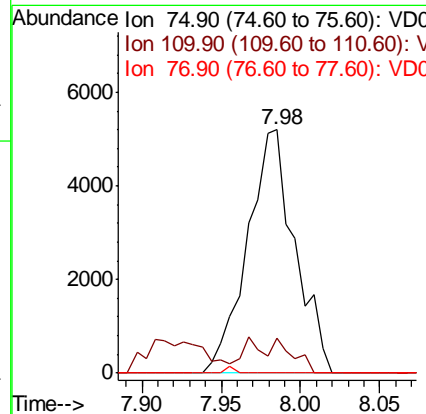
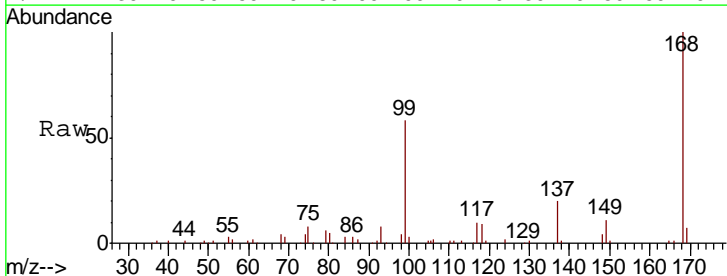
Instrument : MSVOA_D
 ClientSampleId : HD-02-112320

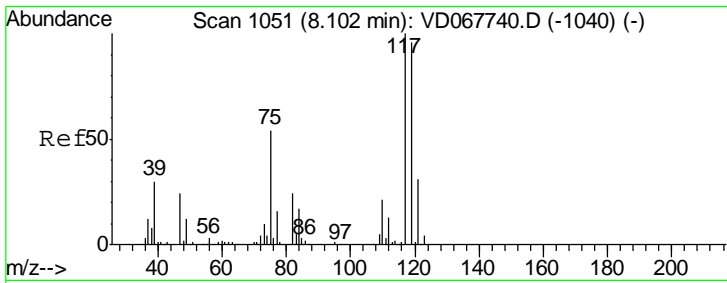
Tgt Ion	Resp	Lower	Upper
113	80968		
111	102.2	81.4	122.0
192	22.5	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
75	10812		
110	0.0	20.1	60.2#
77	0.0	24.8	37.2#

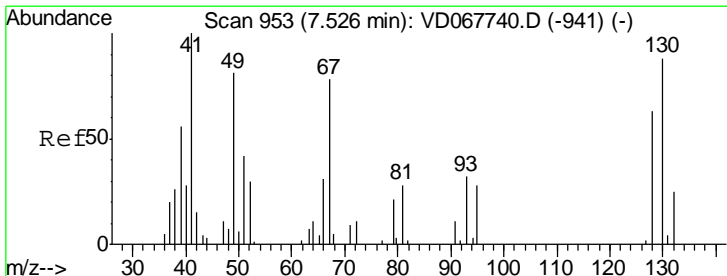
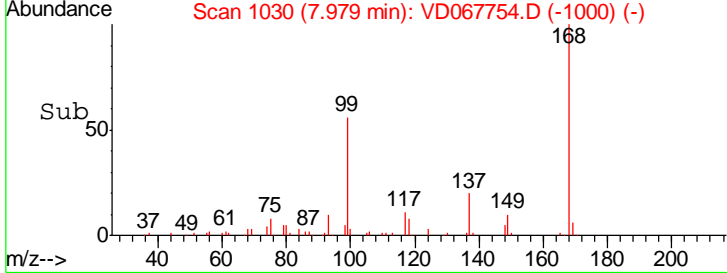
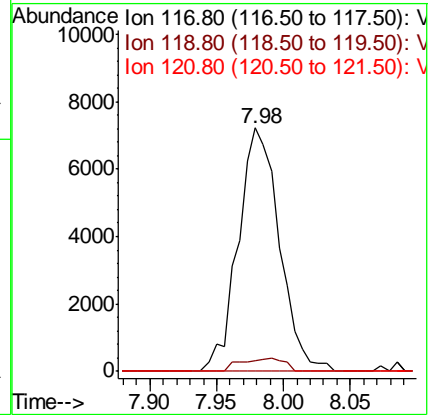
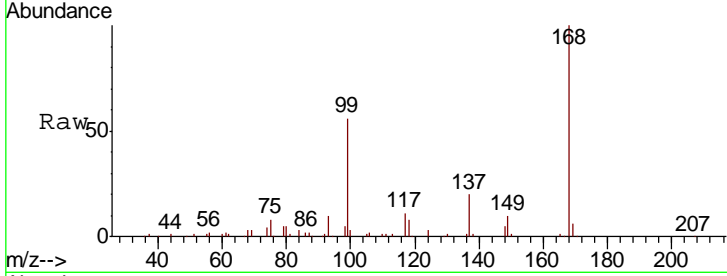




#38
 Carbon Tetrachloride
 Concen: 5.094 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

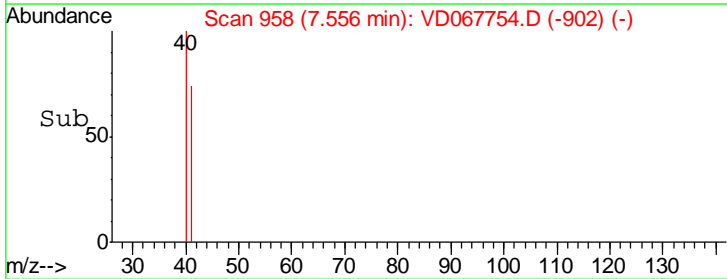
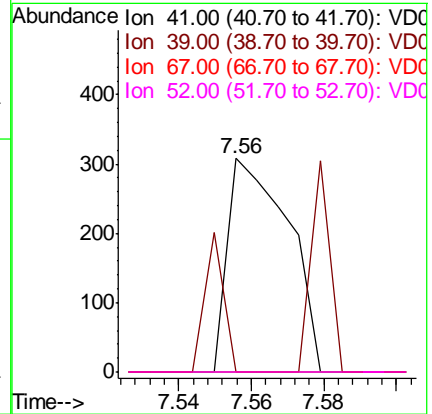
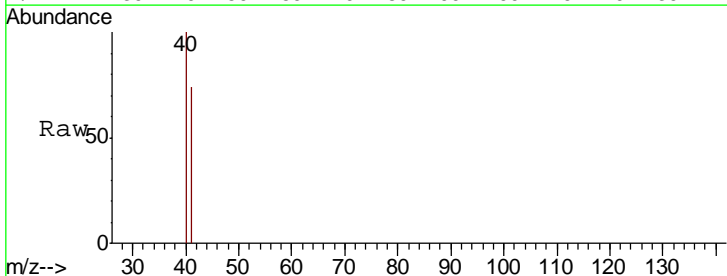
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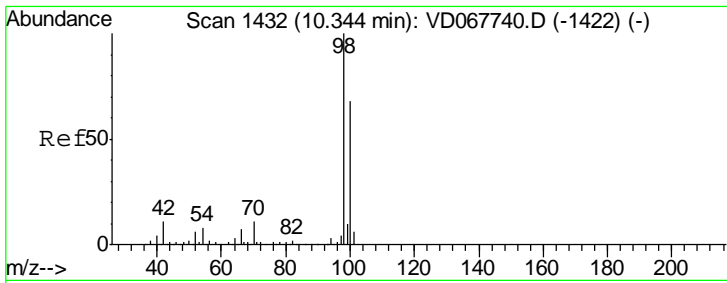
Tgt Ion	Resp	Lower	Upper
117	100		
119	4.1	76.6	115.0#
121	0.0	24.5	36.7#



#41
 Methacrylonitrile
 Concen: 1.256 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.03 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
41	100		
39	19.7	50.2	75.4#
67	0.0	79.0	118.6#
52	0.0	32.4	48.6#

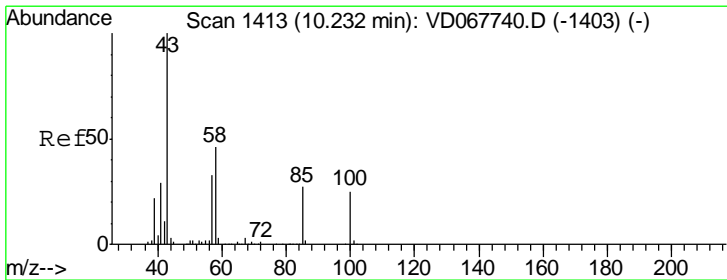
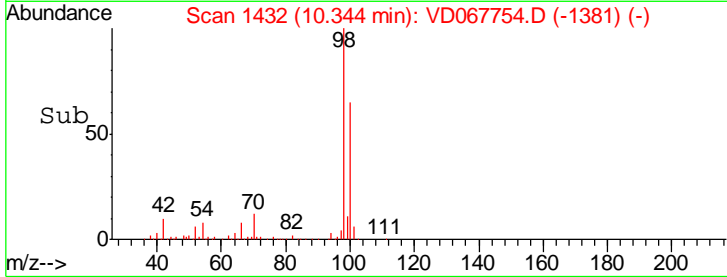
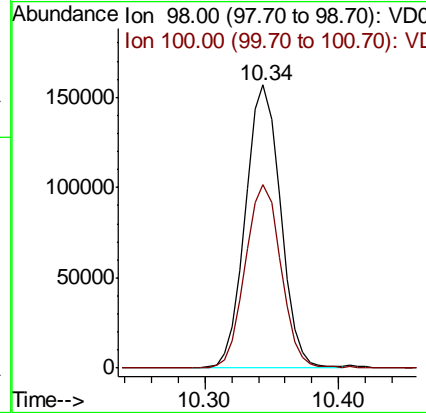
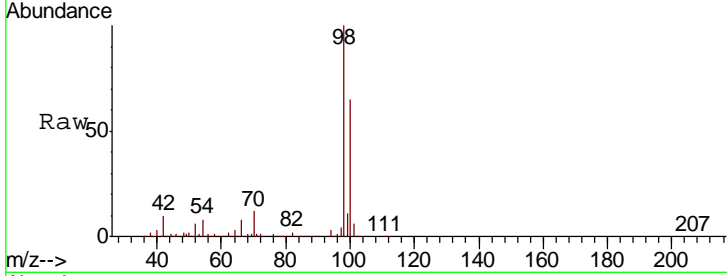




#50
 Toluene-d8
 Concen: 50.314 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

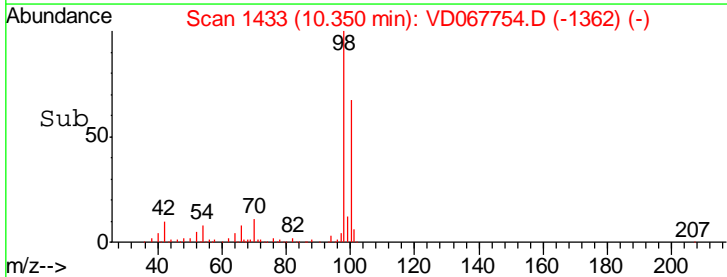
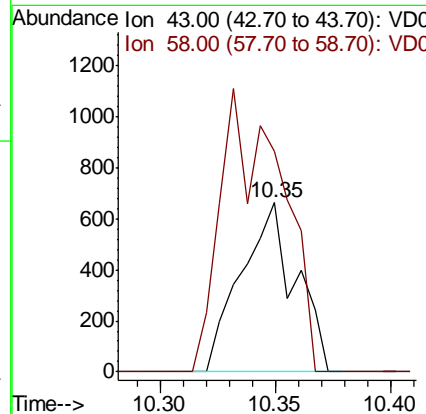
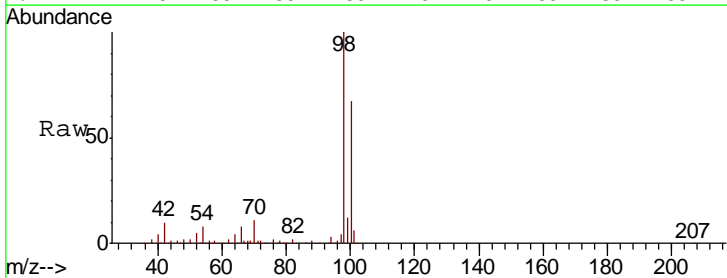
Instrument : MSVOA_D
 ClientSampleID : HD-02-112320

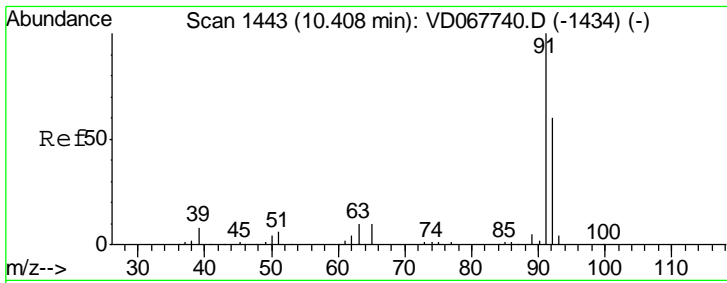
Tgt Ion	Resp	Lower	Upper
98	100		
100	66.2	53.1	79.7



#51
 4-Methyl-2-Pentanone
 Concen: 2.048 ug/l
 RT: 10.35 min Scan# 1433
 Delta R.T. 0.12 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
43	100		
58	86.5	34.7	52.1

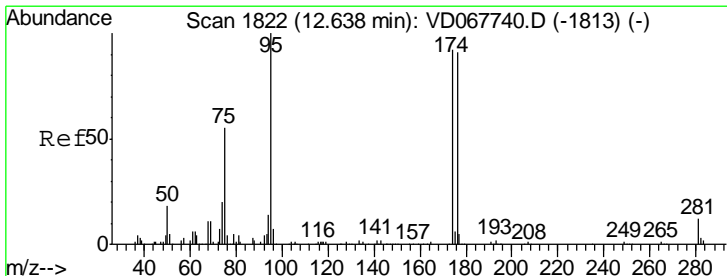
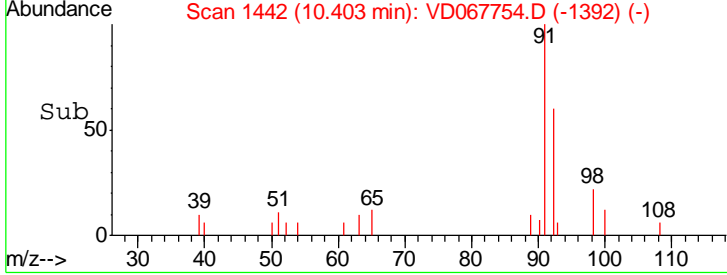
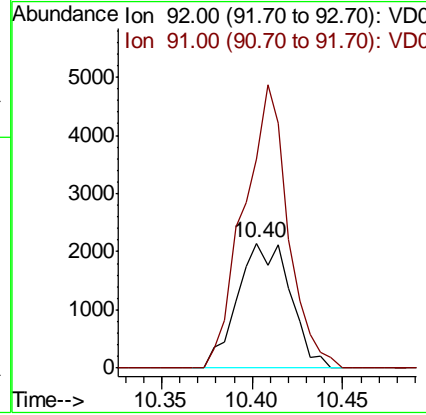
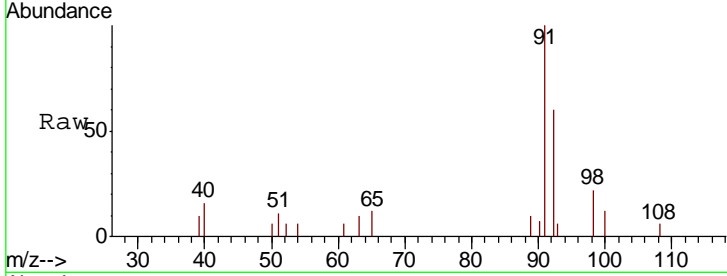




#52
 Toluene
 Concen: 1.114 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

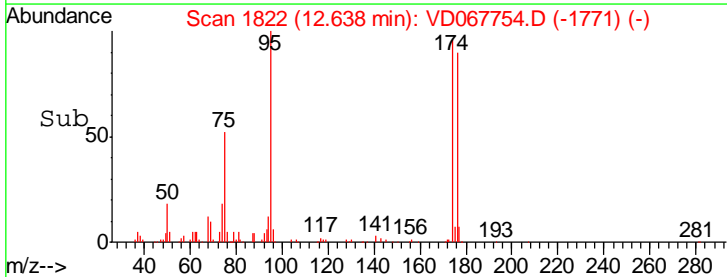
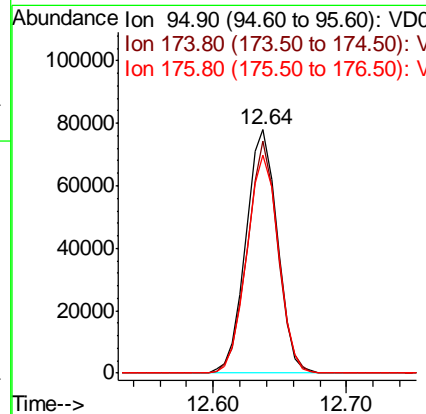
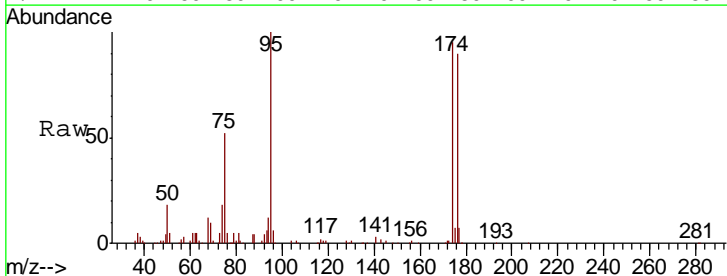
Instrument :
 MSVOA_D
 ClientSampleID :
 HD-02-112320

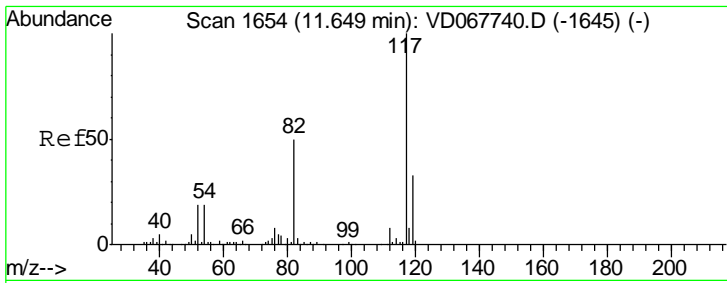
Tgt Ion	Resp	Lower	Upper
92	100		
91	190.8	135.4	203.0



#62
 4-Bromofluorobenzene
 Concen: 65.490 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
95	100		
174	91.4	0.0	182.4
176	89.9	0.0	178.2

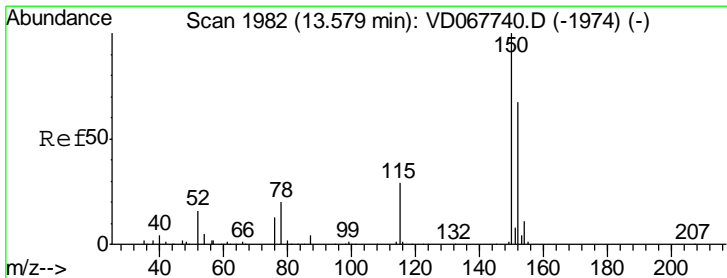
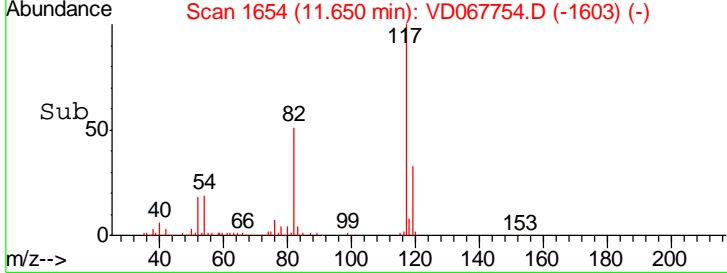
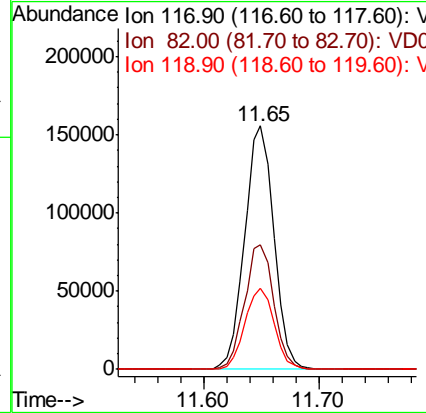
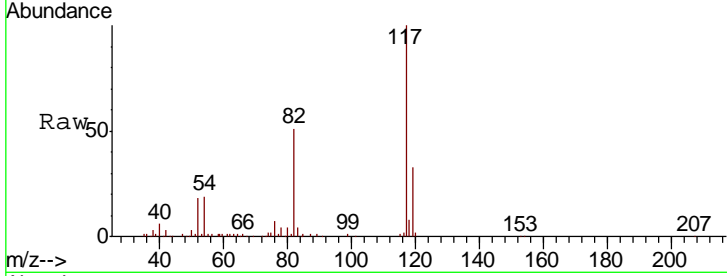




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.65 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

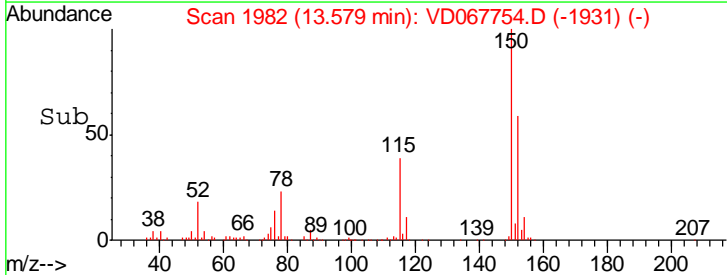
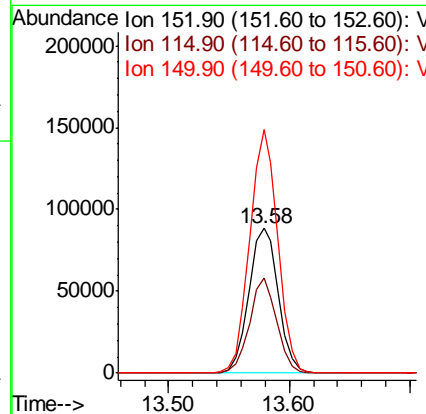
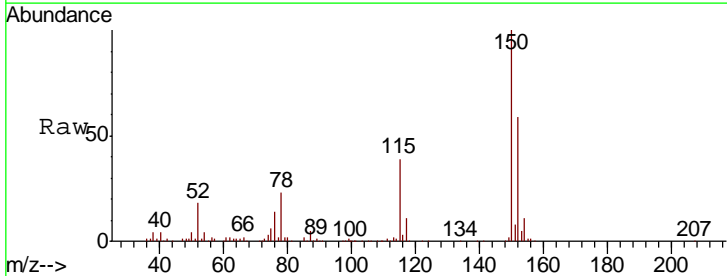
Instrument : MSVOA_D
 ClientSampled : HD-02-112320

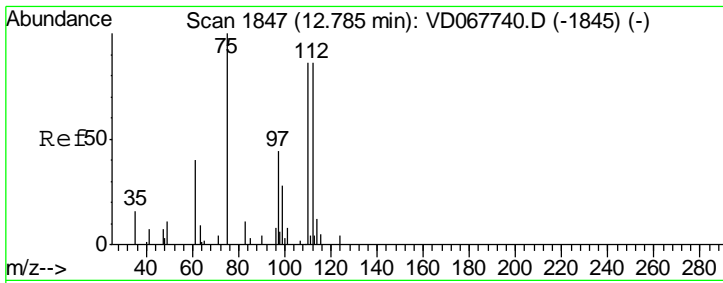
Tgt Ion	Resp	Lower	Upper
117	273601		
82	51.0	40.2	60.4
119	33.4	26.5	39.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
152	150095		
152	100		
115	61.0	29.4	88.3
150	159.8	0.0	340.6

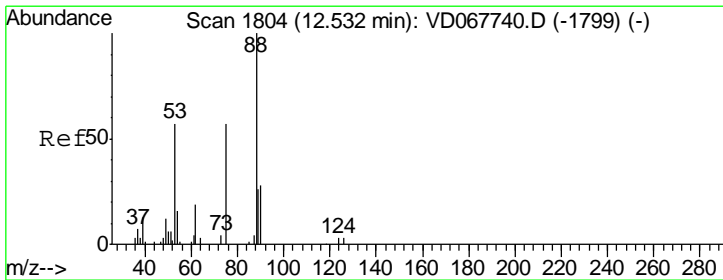
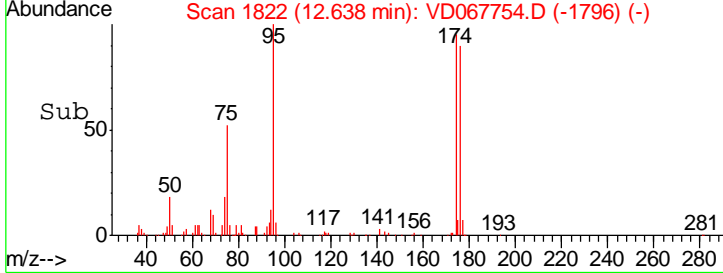
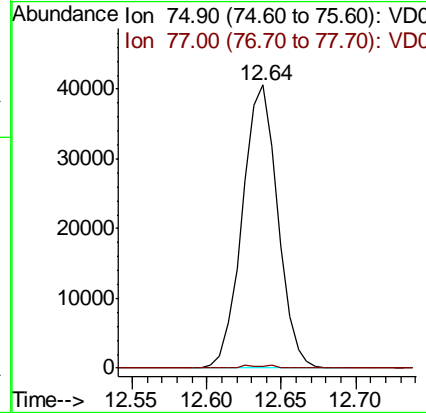
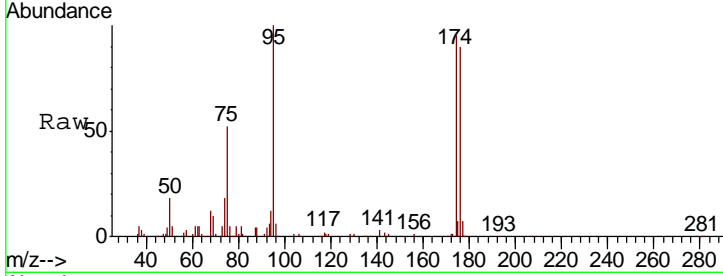




#76
 1,2,3-Trichloropropane
 Concen: 63.664 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Instrument : MSVOA_D
 ClientSampled : HD-02-112320

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.8	0.0	0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.905 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067754.D
 Acq: 23 Nov 2020 19:05

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	76.0	114.0#
89	0.0	40.2	60.4#

