

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064464.D
 Acq On : 06 Dec 2019 17:51
 Operator : VA/SY
 Sample : K6187-06RE
 Misc : 5.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:37:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	132693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	195950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	194779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	76253	63.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.98%	
35) Dibromofluoromethane	7.92	113	65400	52.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.94%	
50) Toluene-d8	10.34	98	230156	49.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.64	95	87957	58.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.70%	

Target Compounds

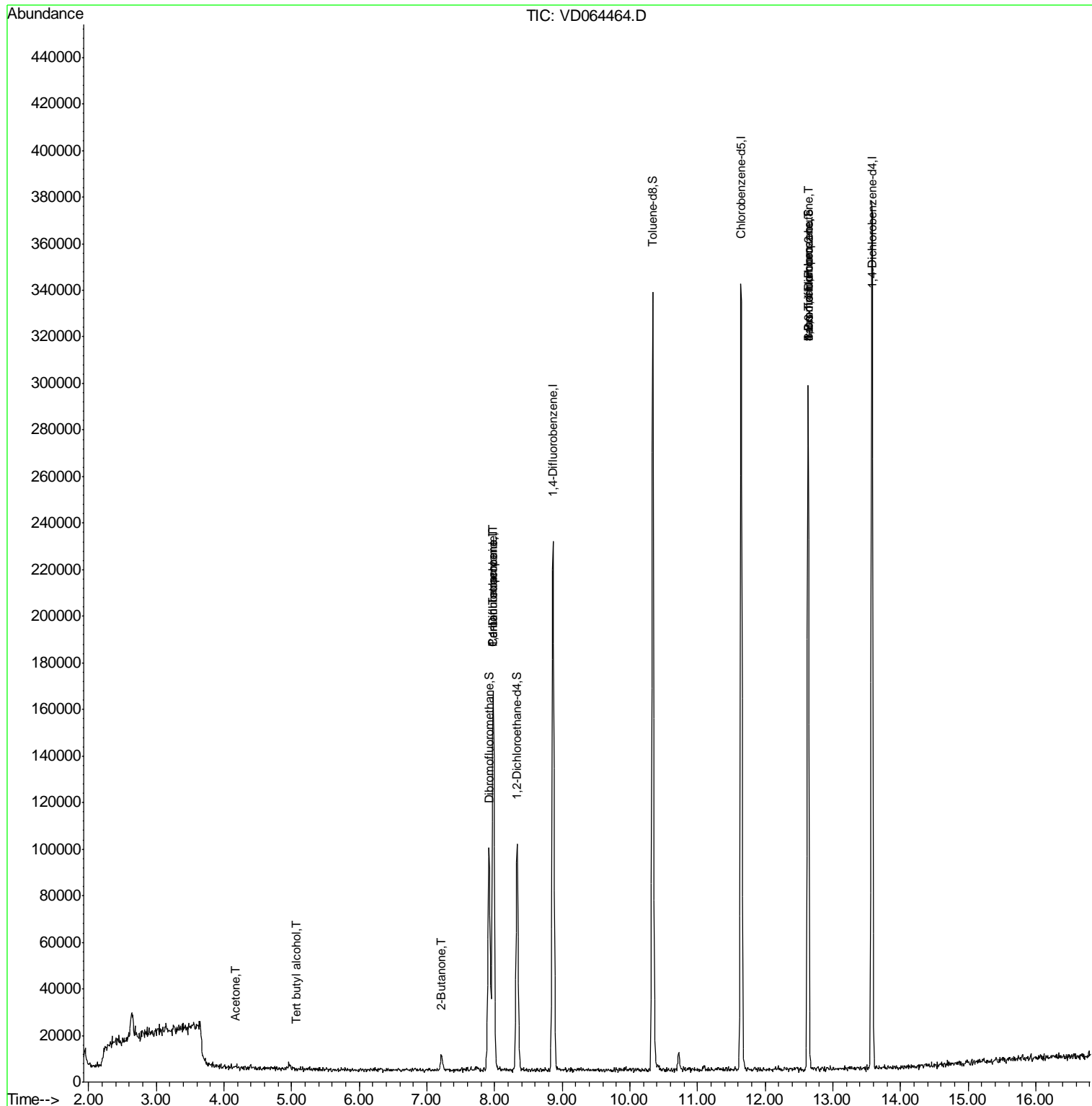
					Qvalue	
11) Tert butyl alcohol	5.07	59	91	1.190	ug/l #	100
16) Acetone	4.17	43	1643	6.769	ug/l	97
20) Methylene Chloride	4.95	84	1406	Below Cal	#	47
25) 2-Butanone	7.21	43	556	1.620	ug/l #	49
31) Cyclohexane	7.98	56	2933	Below Cal	#	47
36) 1,1-Dichloropropene	7.98	75	9337	5.038	ug/l #	49
38) Carbon Tetrachloride	7.98	117	12283	6.279	ug/l #	15
71) Bromoform	12.64	173	1379	1.533	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	47816	55.798	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	47816	121.669	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.46	75	72	Below Cal	#	1

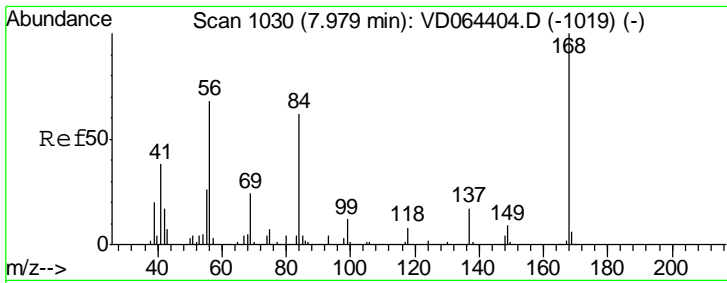
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Dec 06 22:37:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

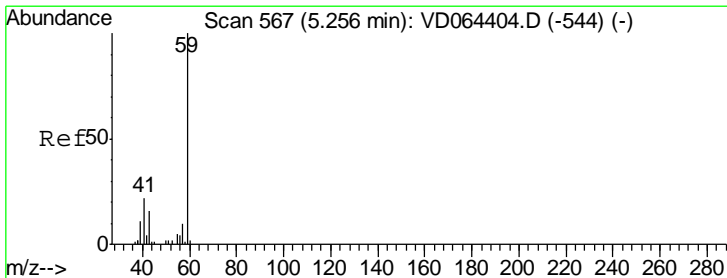
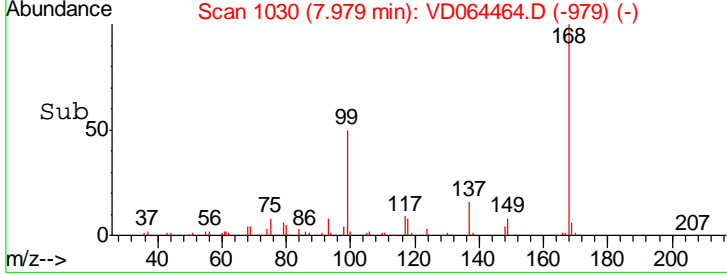
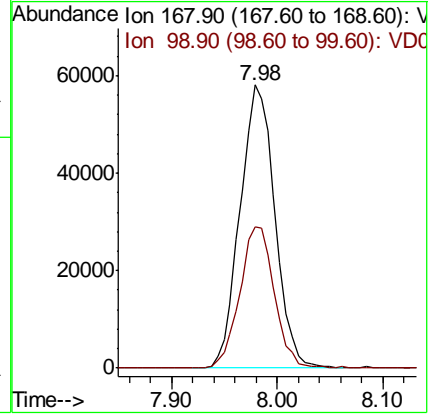
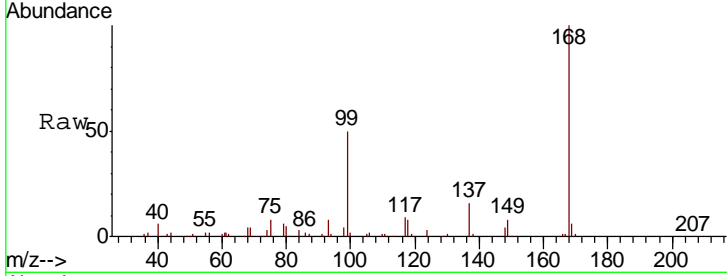




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

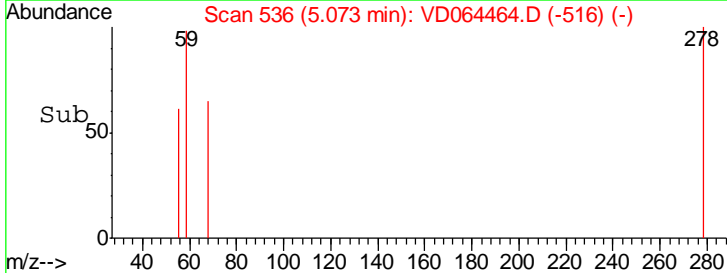
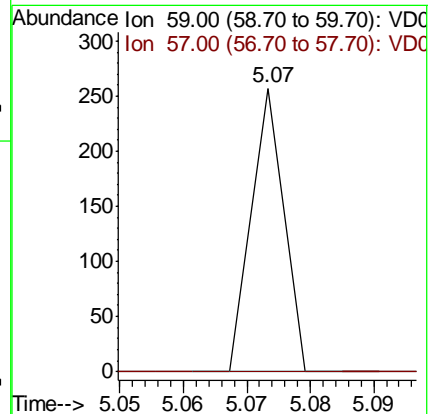
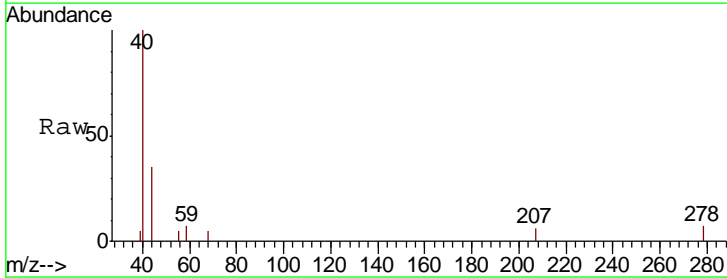
Instrument :
 MSVOA_D
 ClientSampled :

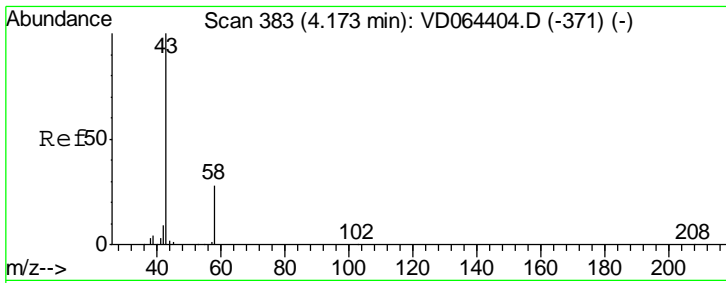
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.7	40.7	61.1



#11
 Tert butyl alcohol
 Concen: 1.190 ug/l
 RT: 5.07 min Scan# 536
 Delta R.T. -0.18 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	0.0	0.0

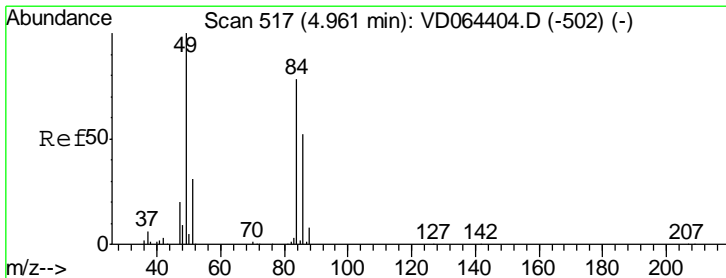
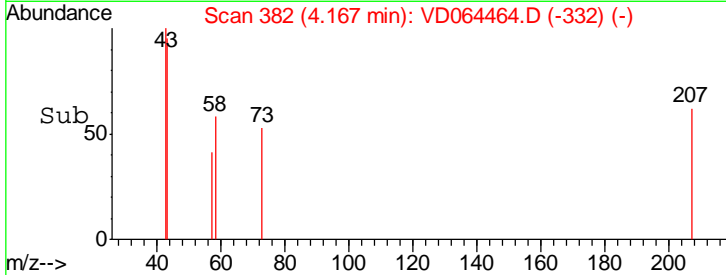
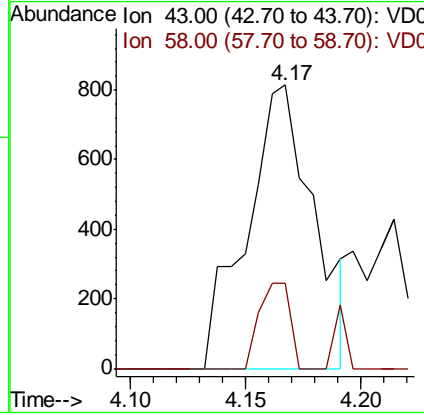
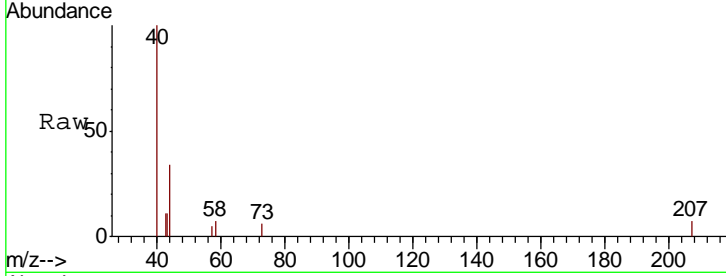




#16
 Acetone
 Concen: 6.769 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

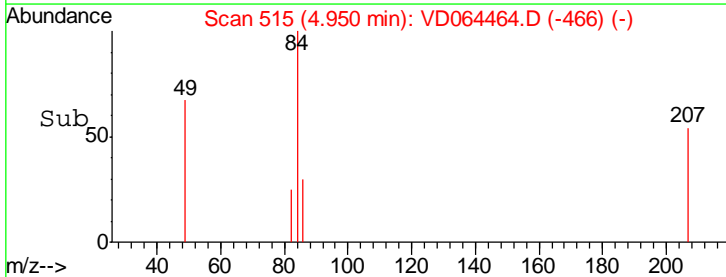
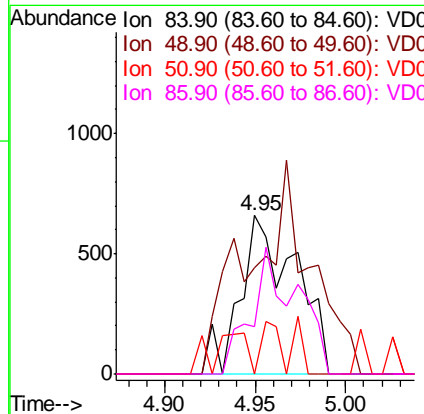
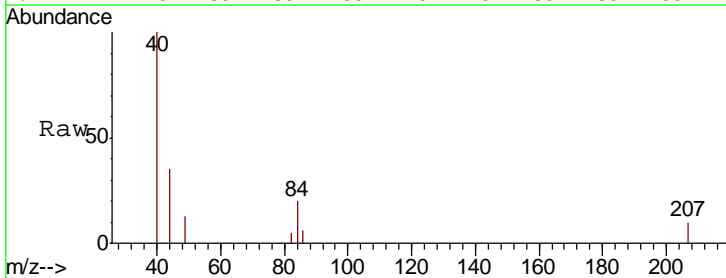
Instrument :
 MSVOA_D
 ClientSampled :

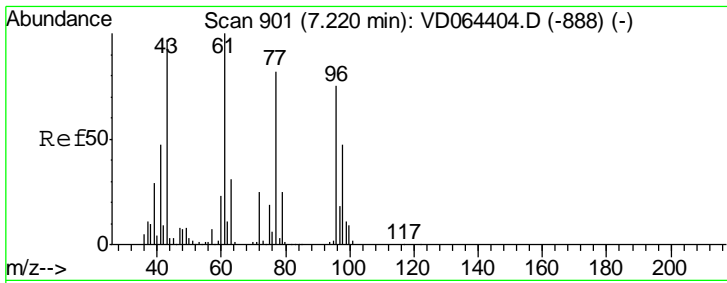
Tgt Ion	Resp	Lower	Upper
43	100		
58	29.9	22.6	33.8



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 4.95 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
84	100		
49	66.8	102.6	153.8#
51	0.0	32.0	48.0#
86	29.6	53.4	80.0#

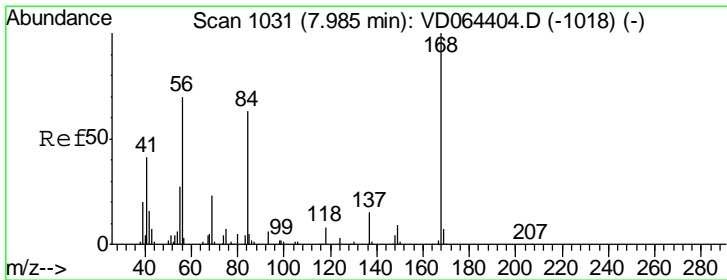
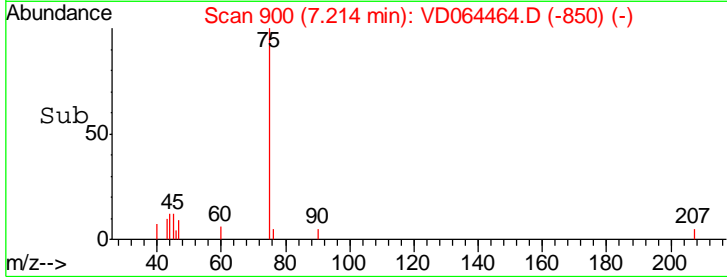
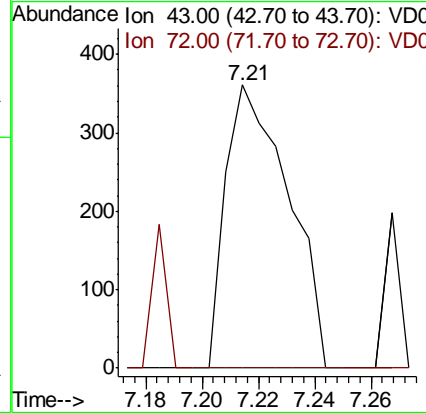
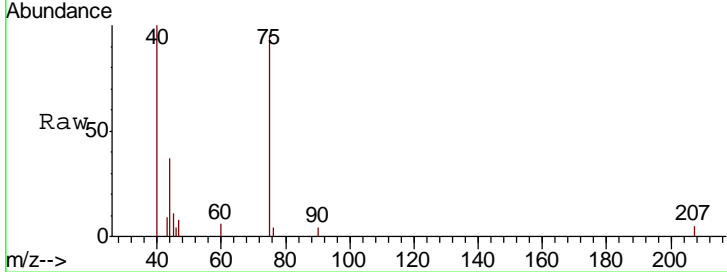




#25
 2-Butanone
 Concen: 1.620 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

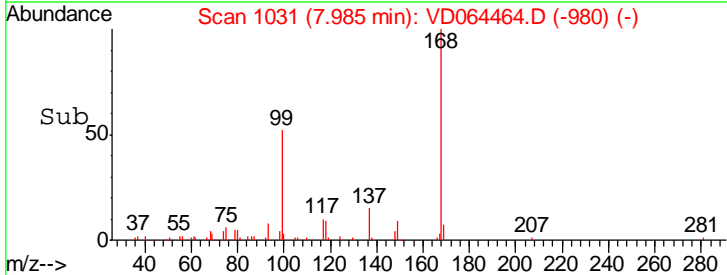
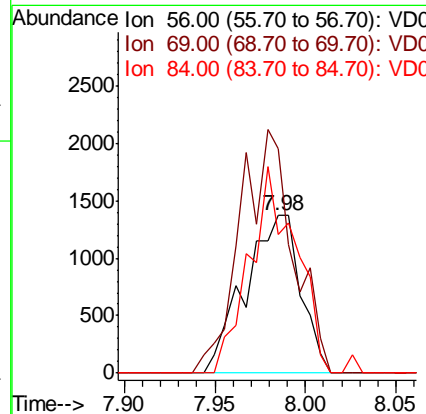
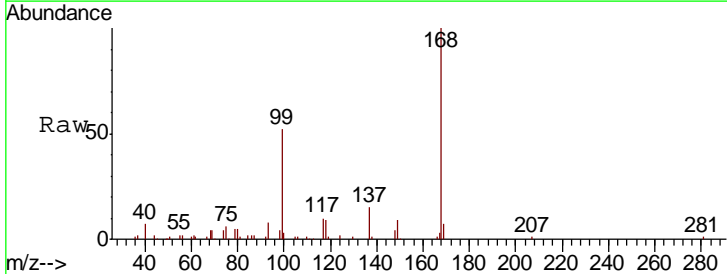
Instrument :
 MSVOA_D
 ClientSampled :

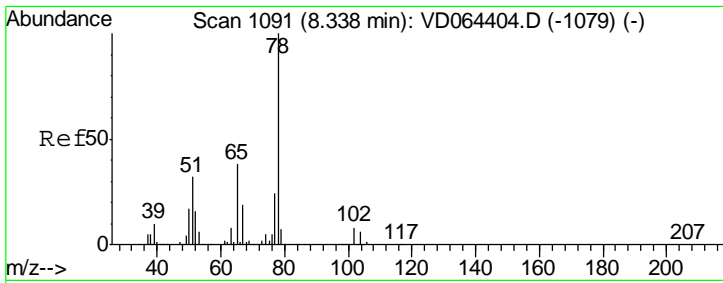
Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.98 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	141.9	26.2	39.4#
84	88.1	70.3	105.5

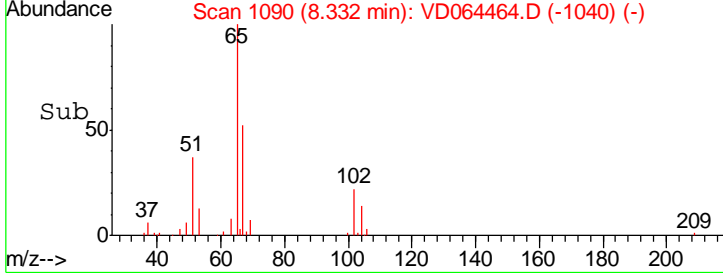
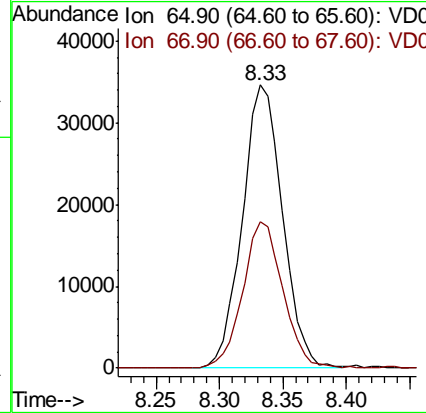
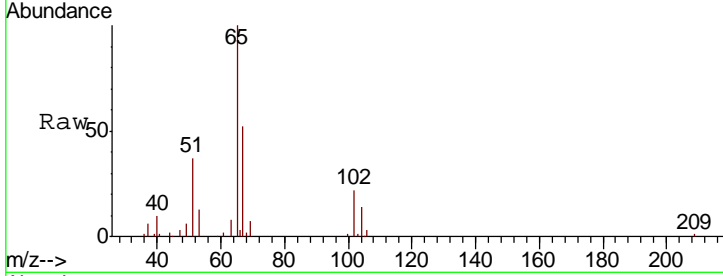




#33
 1,2-Dichloroethane-d4
 Concen: 63.488 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

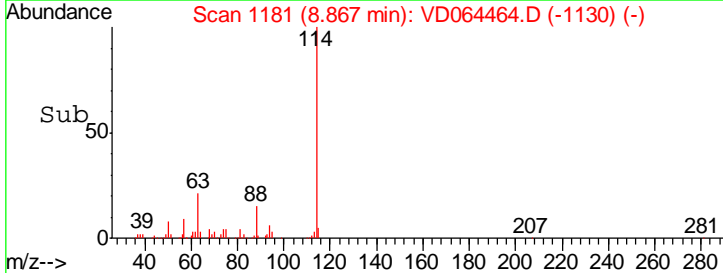
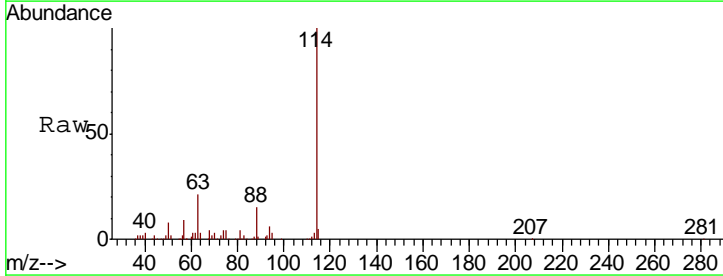
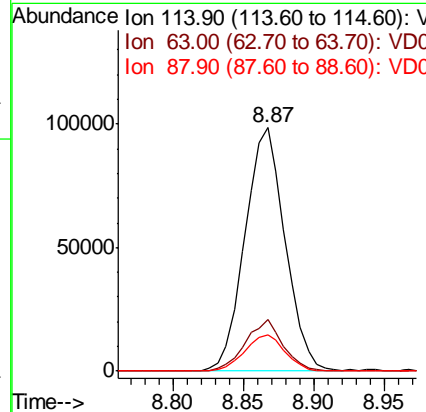
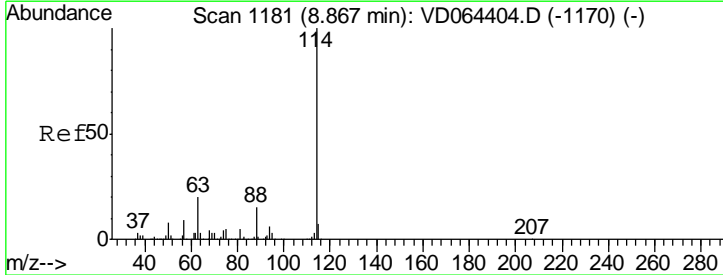
Instrument :
 MSVOA_D
 ClientSampled :

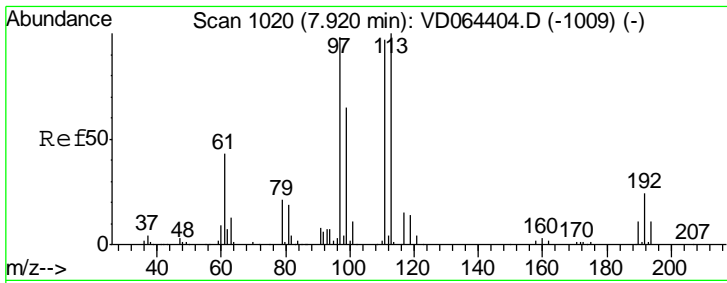
Tgt Ion	Resp	Lower	Upper
65	100		
67	51.9	0.0	102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
114	100		
63	21.4	0.0	40.0
88	14.9	0.0	29.2

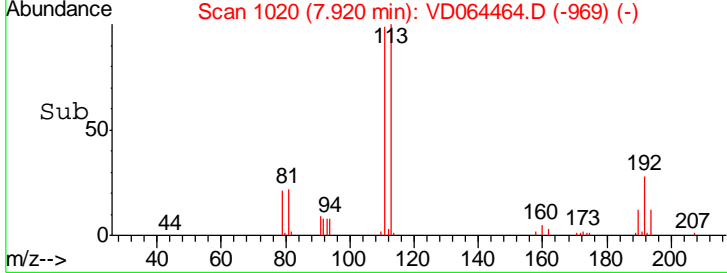
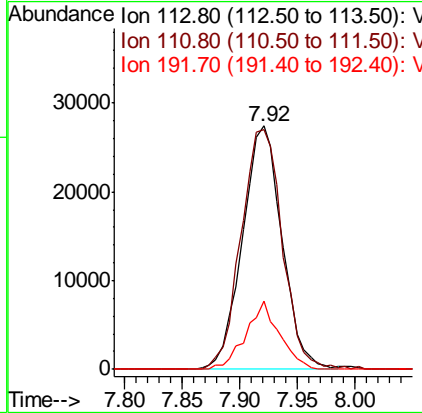
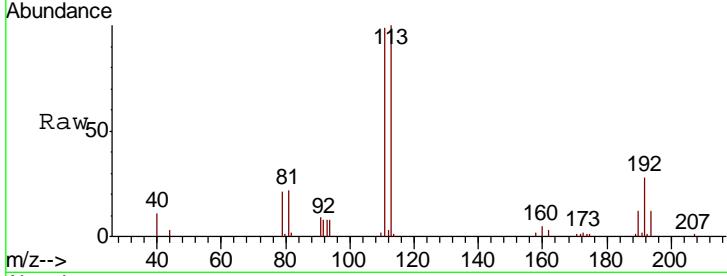




#35
 Dibromofluoromethane
 Concen: 52.973 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

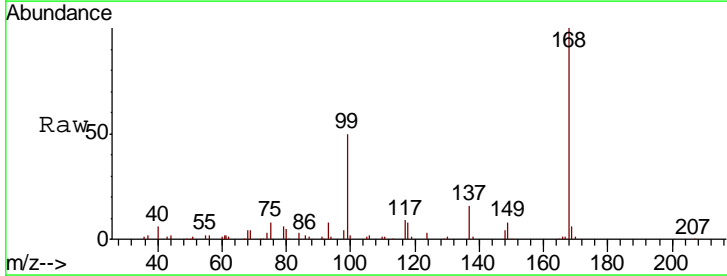
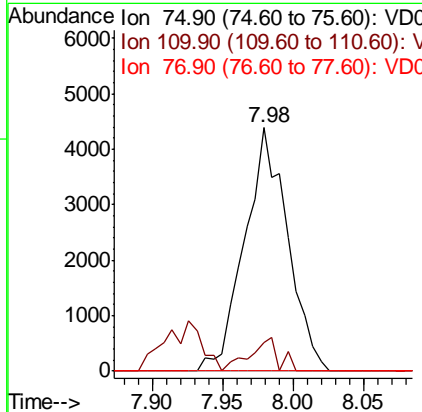
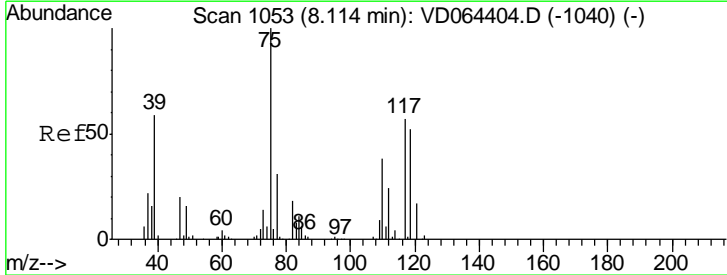
Instrument : MSVOA_D
 ClientSampled :

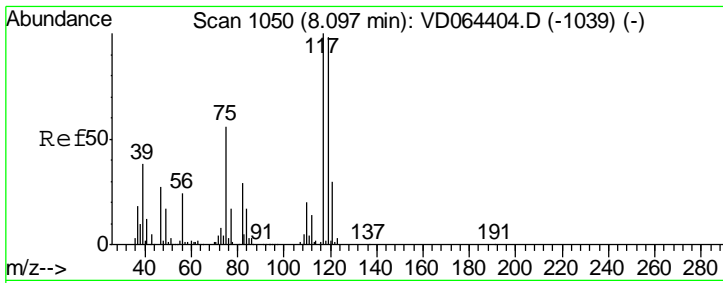
Tgt Ion	Resp	Lower	Upper
113	65400		
111	102.6	79.4	119.2
192	23.6	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
75	9337		
75	100		
110	9.2	18.6	55.8#
77	0.0	25.0	37.4#

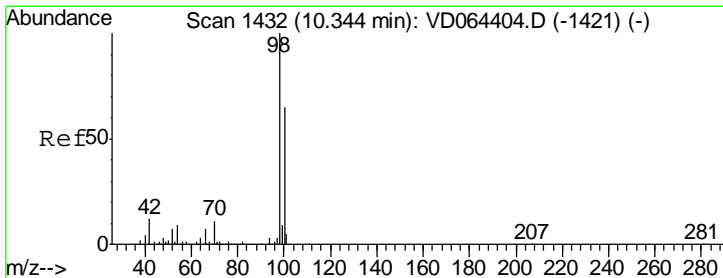
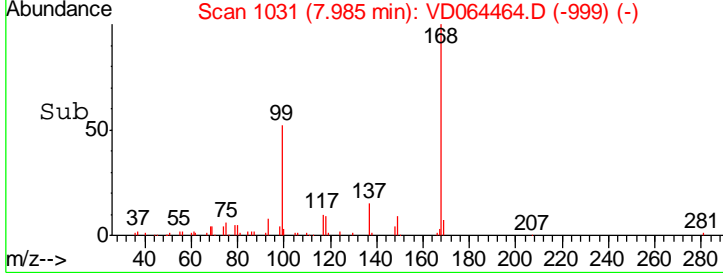
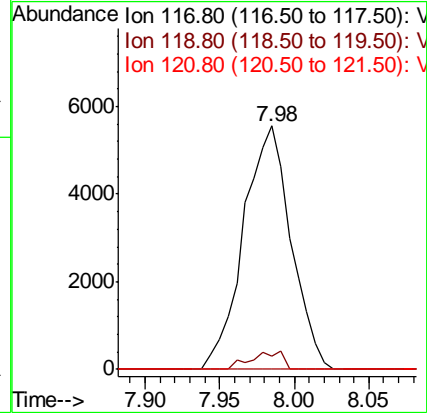
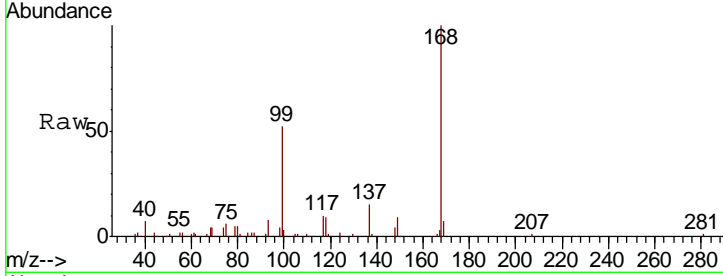




#38
 Carbon Tetrachloride
 Concen: 6.279 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

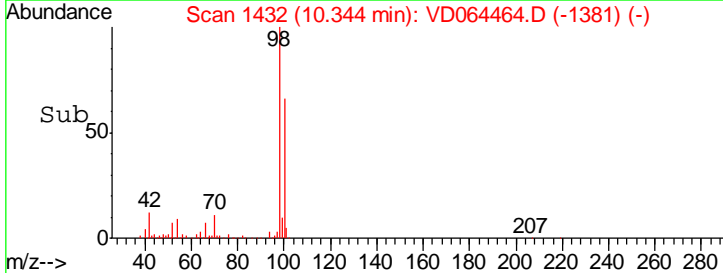
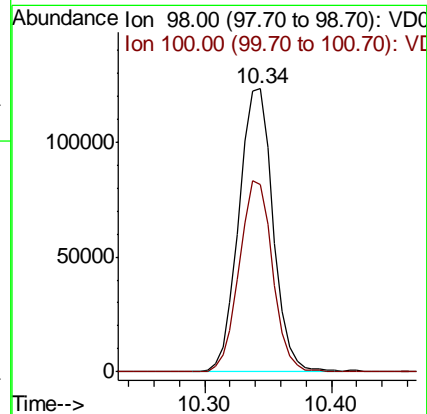
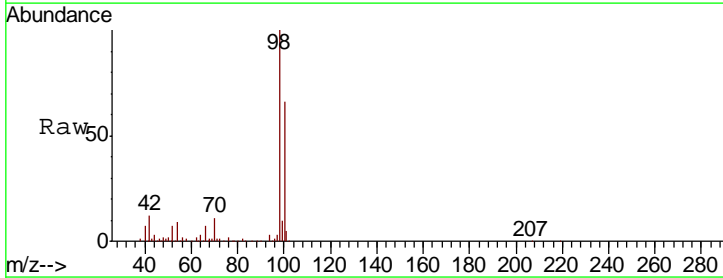
Instrument :
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 ClientSampled :

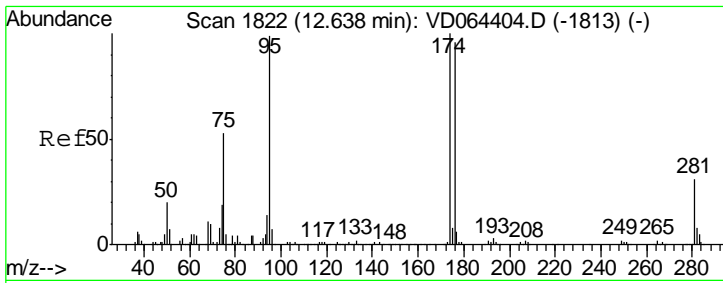
Tgt Ion	Resp	Lower	Upper
117	12283		
119	5.6	78.8	118.2#
121	0.0	24.2	36.2#



#50
 Toluene-d8
 Concen: 49.490 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
98	230156		
100	66.0	52.6	79.0

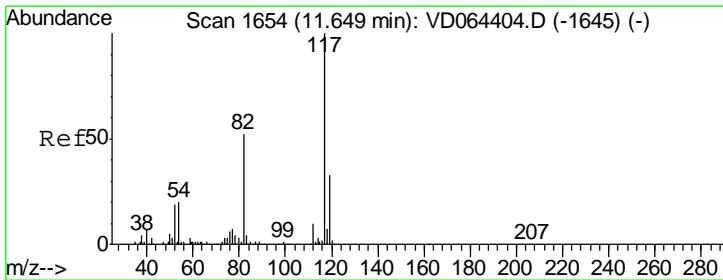
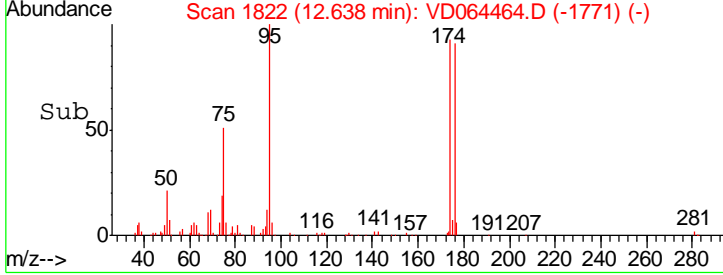
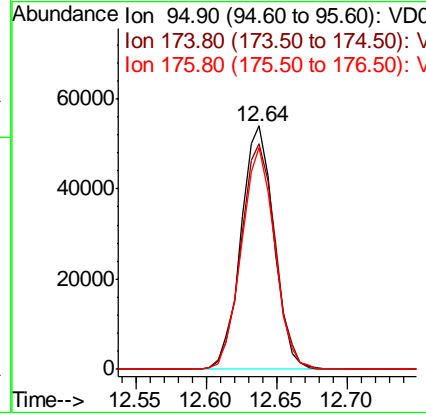
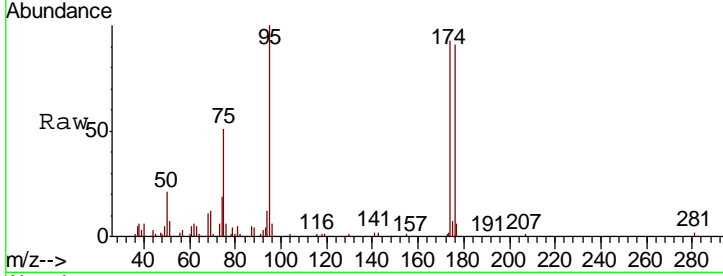




#62
 4-Bromofluorobenzene
 Concen: 58.852 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

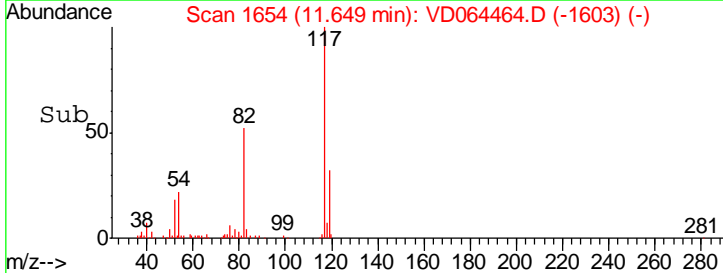
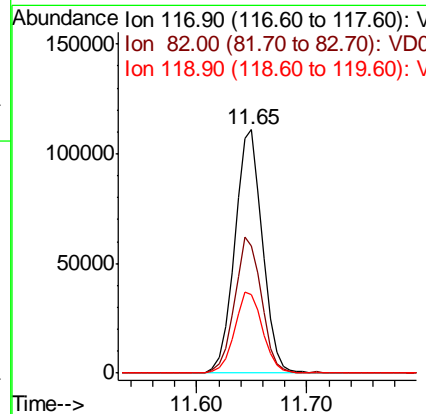
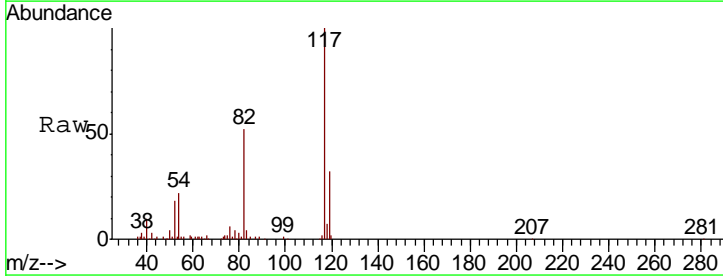
Instrument :
 MSVOA_D
 ClientSampled :

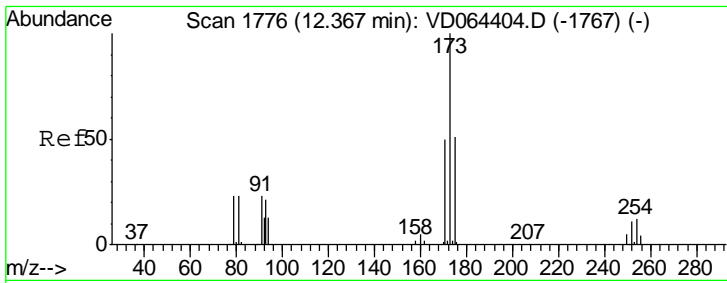
Tgt Ion	Resp	Lower	Upper
95	87957		
174	96.2	0.0	197.2
176	92.2	0.0	189.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.65 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
117	194779		
82	52.1	41.4	62.2
119	32.4	26.2	39.2

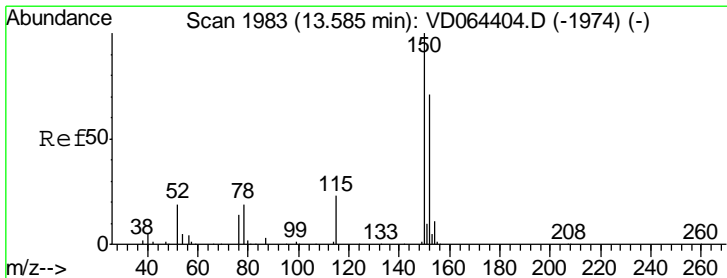
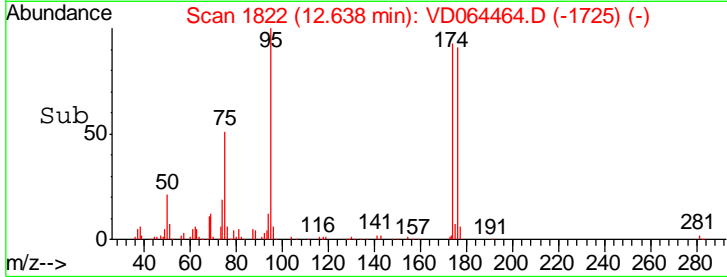
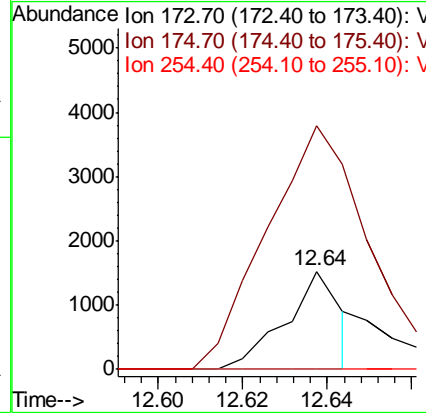
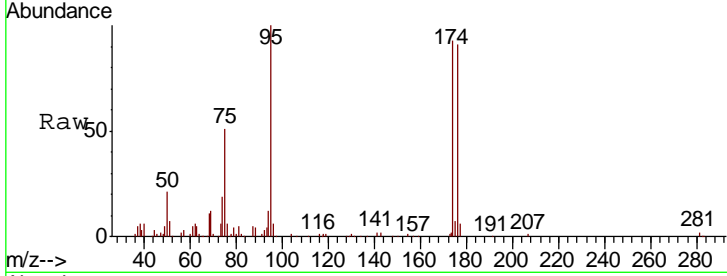




#71
 Bromoform
 Concen: 1.533 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.27 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

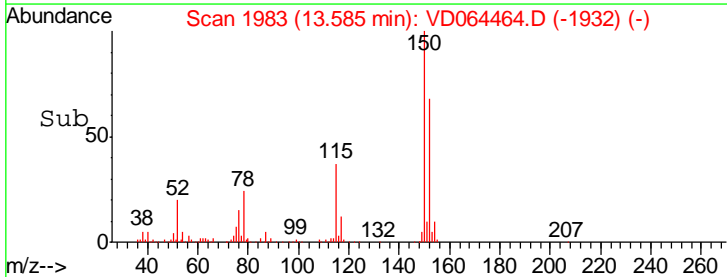
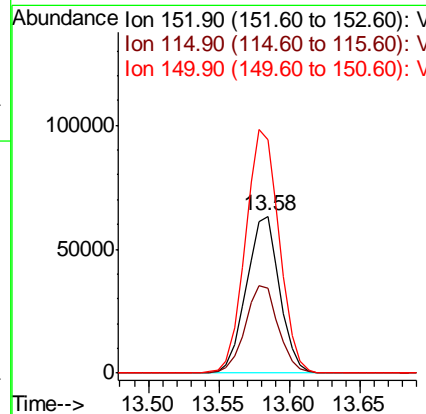
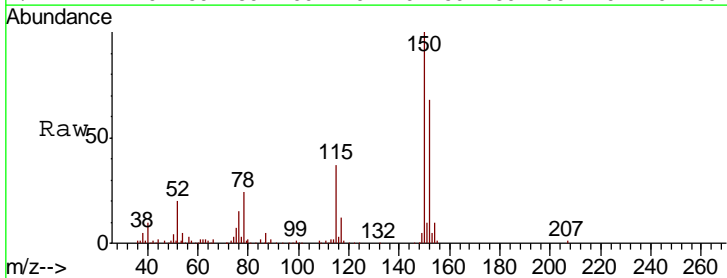
Instrument :
 MSVOA_D
 ClientSampled :

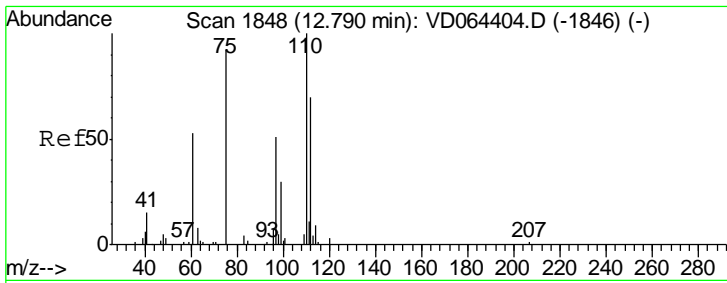
Tgt Ion	Resp	Lower	Upper
173	1379		
175	356.2	25.3	75.8#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
152	104205		
115	55.7	26.7	80.1
150	157.5	0.0	347.2

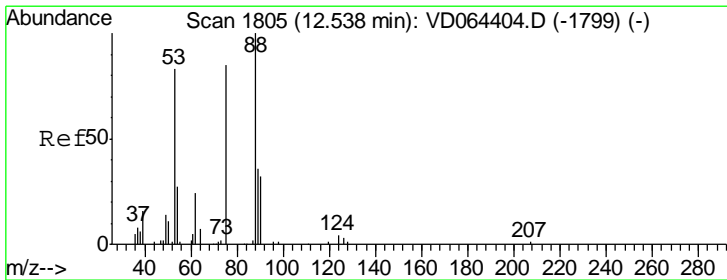
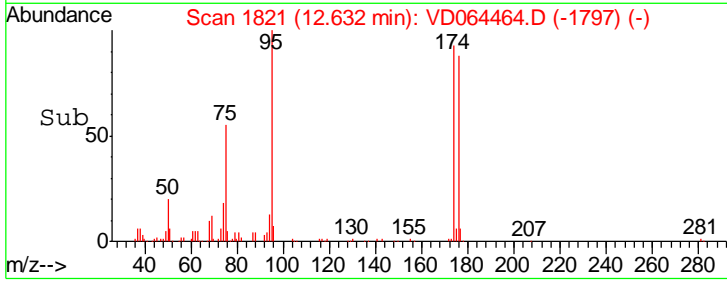
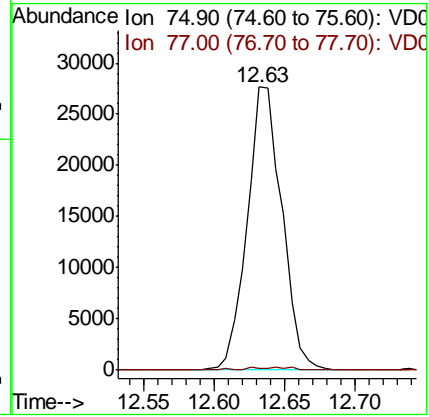
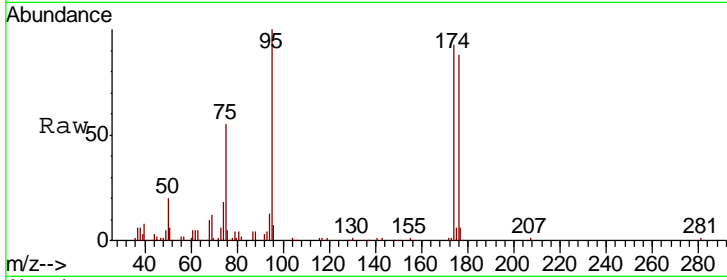




#76
 1,2,3-Trichloropropane
 Concen: 55.798 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.16 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

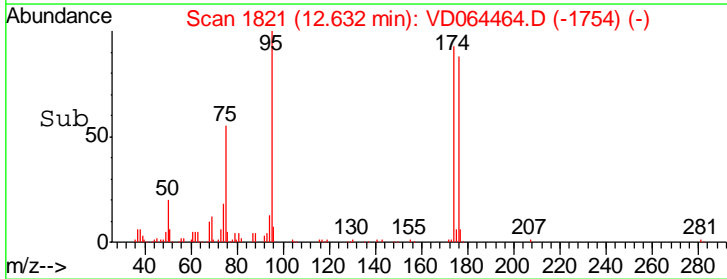
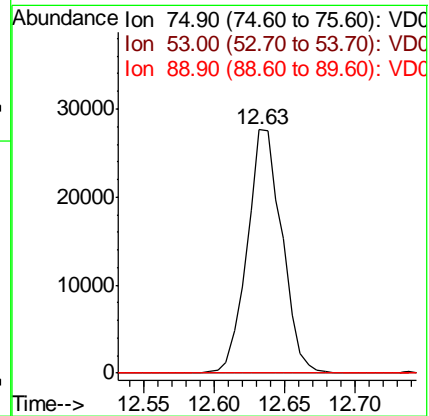
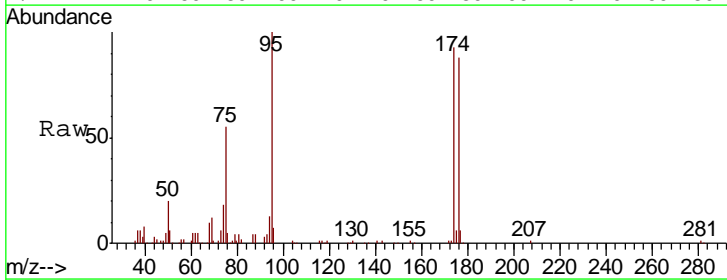
Instrument : MSVOA_D
 ClientSampled :

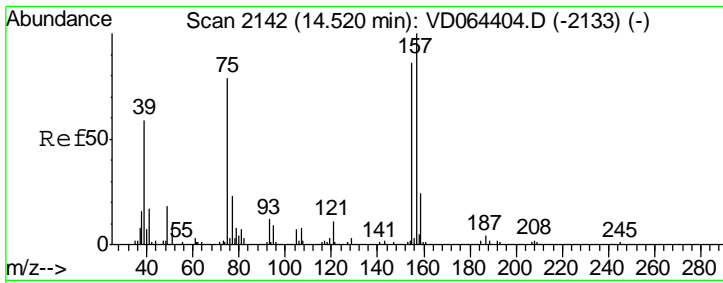
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.5	0.0	0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.669 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.09 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	81.0	121.6#
89	0.0	38.5	57.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.46 min Scan# 2132
 Delta R.T. -0.06 min
 Lab File: VD064464.D
 Acq: 06 Dec 2019 17:51

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	75	Resp	72
Ion Ratio	Lower	Upper	
75	100		
155	0.0	51.9	155.7#
157	0.0	63.2	189.8#

