

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064075.D
 Acq On : 25 Oct 2019 19:51
 Operator : VA/SY
 Sample : K5541-16
 Misc : 4.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:06:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	15656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	24016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	28199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	13487	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	13184	86.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.00%	
35) Dibromofluoromethane	7.92	113	9463	64.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.96%	
50) Toluene-d8	10.34	98	31419	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.64	95	11058	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

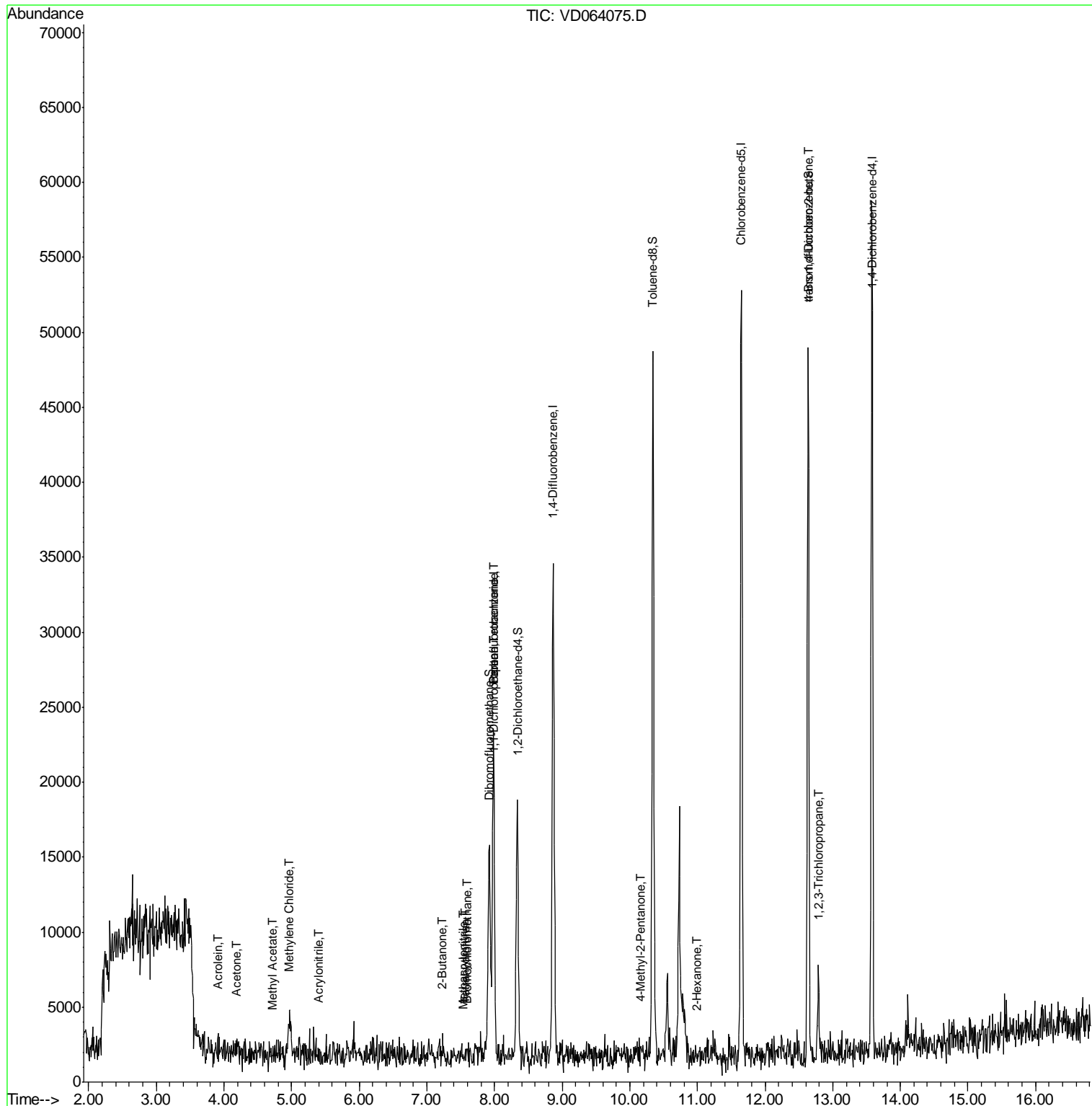
					Qvalue	
3) Chloromethane	2.21	50	270	Below Cal	#	40
11) Tert butyl alcohol	5.26	59	57	Below Cal	#	1
13) Acrolein	3.91	56	57	4.187	ug/l #	17
15) Acrylonitrile	5.40	53	97	2.889	ug/l #	17
16) Acetone	4.17	43	95	2.394	ug/l #	42
18) Methyl Acetate	4.71	43	78	1.005	ug/l #	49
20) Methylene Chloride	4.96	84	2145	9.759	ug/l #	60
25) 2-Butanone	7.23	43	222	4.720	ug/l #	51
28) Bromochloromethane	7.60	49	56	2.381	ug/l #	10
29) Tetrahydrofuran	7.56	42	69	2.514	ug/l #	31
31) Cyclohexane	7.99	56	478	Below Cal	#	39
36) 1,1-Dichloropropene	8.00	75	1198	5.456	ug/l #	47
37) Ethyl Acetate	7.35	43	61	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	896	4.038	ug/l #	15
41) Methacrylonitrile	7.53	41	67	1.316	ug/l #	14
51) 4-Methyl-2-Pentanone	10.17	43	294	3.078	ug/l #	34
59) 2-Hexanone	10.98	43	125	1.809	ug/l #	24
76) 1,2,3-Trichloropropane	12.78	75	336	3.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	6657	130.410	ug/l #	13

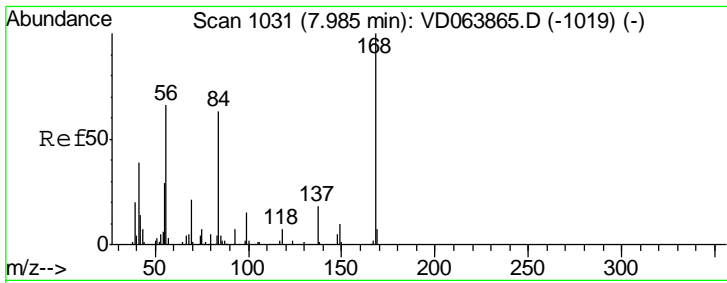
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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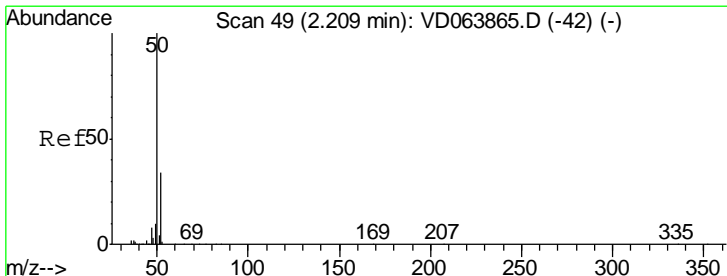
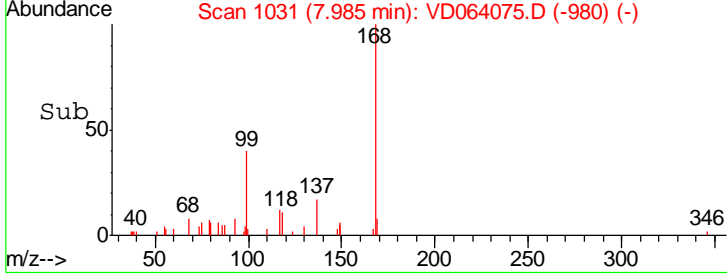
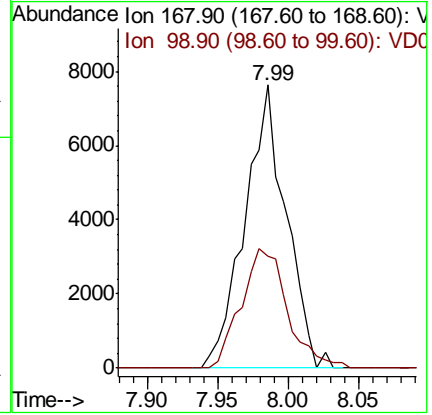
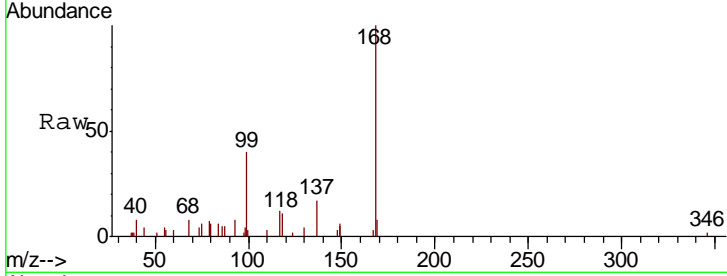




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

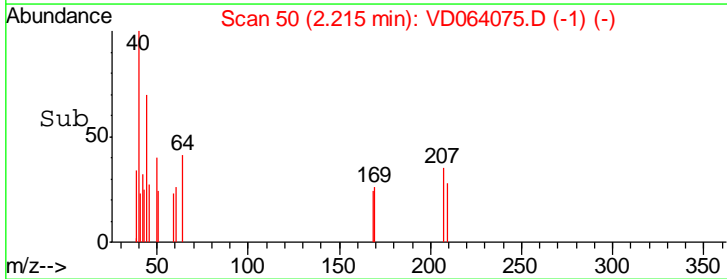
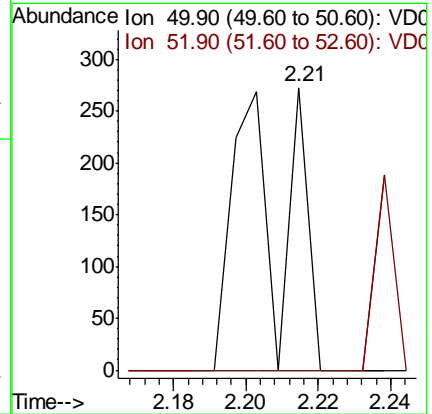
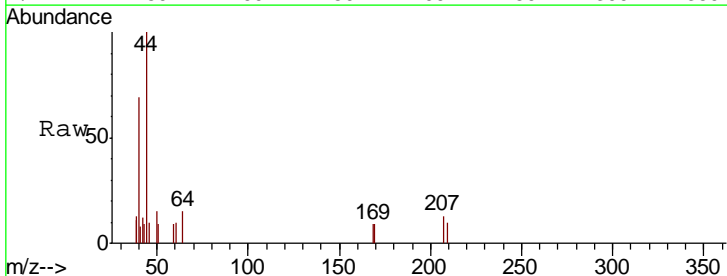
Instrument :
 MSVOA_D
 ClientSampled :

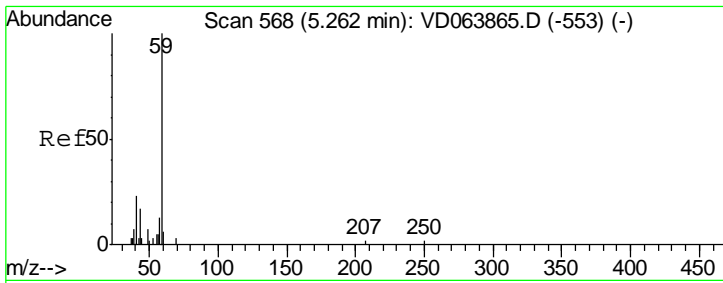
Tgt Ion	Resp	Lower	Upper
168	100		
99	39.6	43.0	64.4#



#3
 Chloromethane
 Concen: Below Cal
 RT: 2.21 min Scan# 50
 Delta R.T. 0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
50	100		
52	0.0	27.5	41.3#

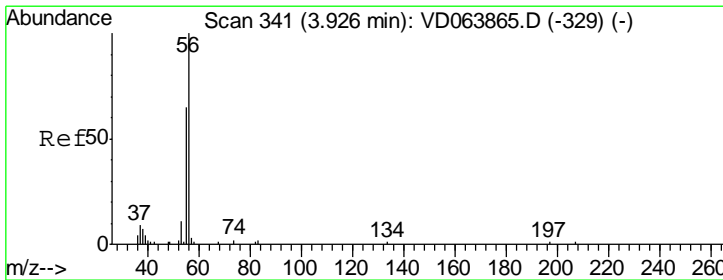
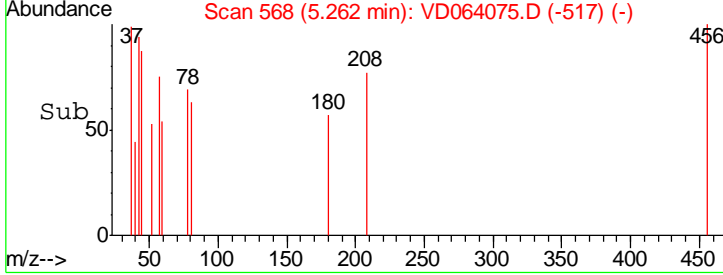
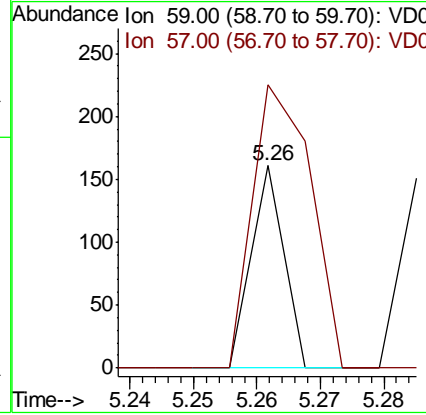
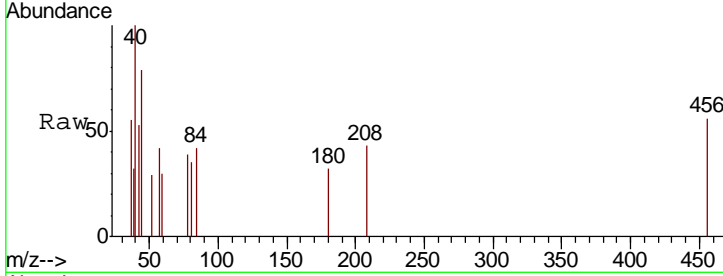




#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

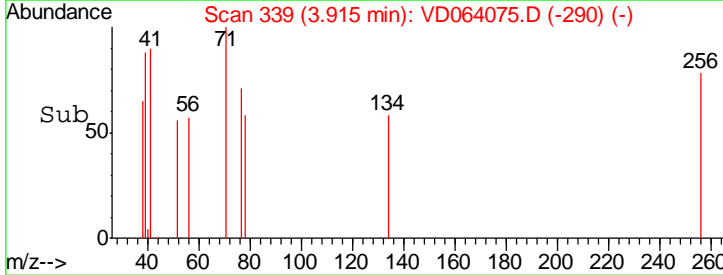
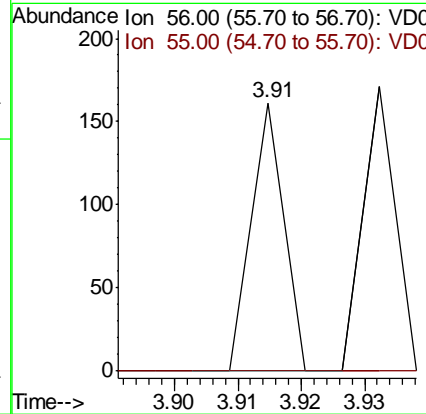
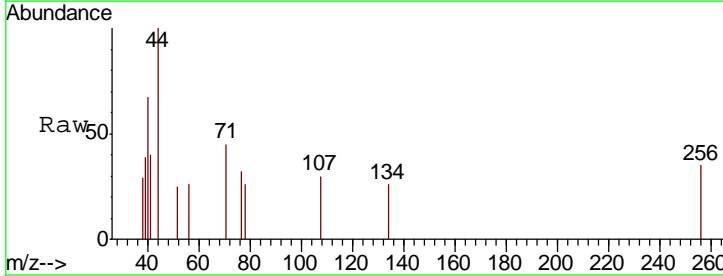
Instrument : MSVOA_D
 ClientSampled :

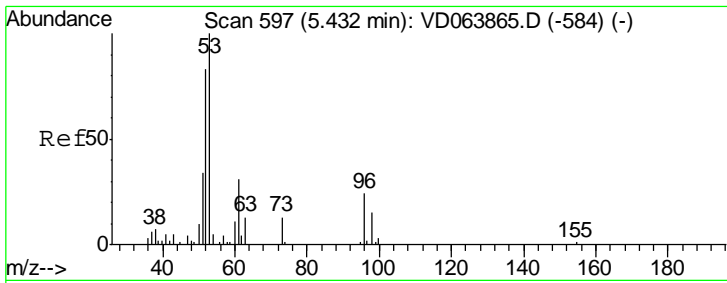
Tgt Ion: 59 Resp: 57
 Ion Ratio Lower Upper
 59 100
 57 250.9 8.8 13.2#



#13
 Acrolein
 Concen: 4.187 ug/l
 RT: 3.91 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion: 56 Resp: 57
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#

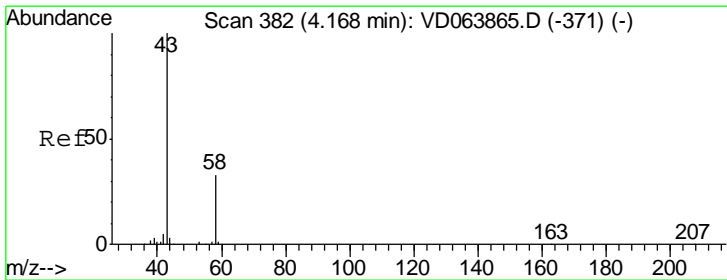
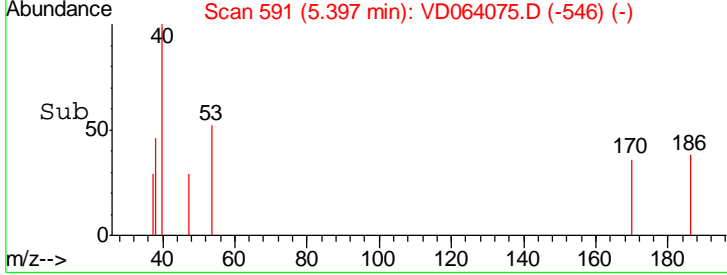
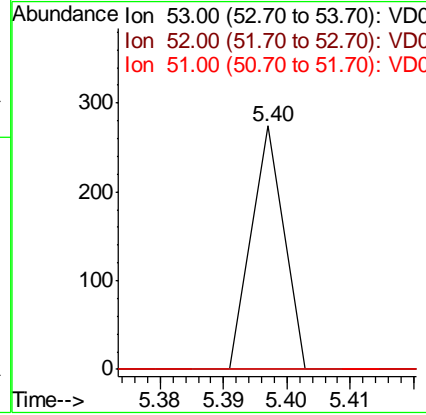
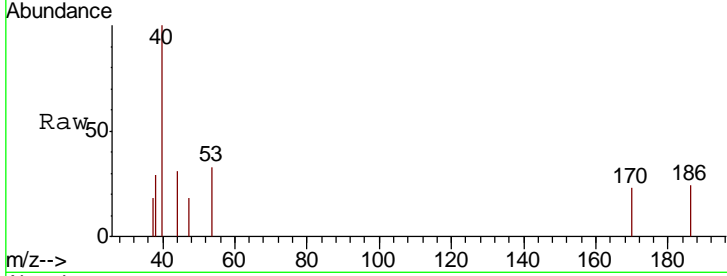




#15
 Acrylonitrile
 Concen: 2.889 ug/l
 RT: 5.40 min Scan# 591
 Delta R.T. -0.04 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

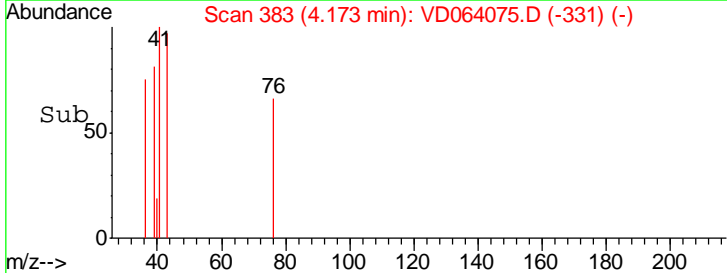
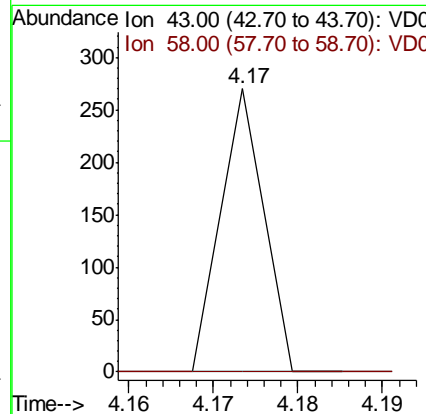
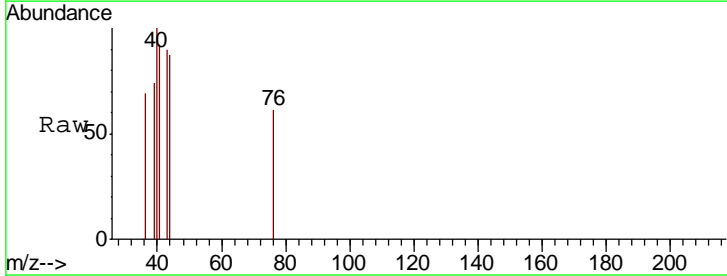
Instrument :
 MSVOA_D
 ClientSampled :

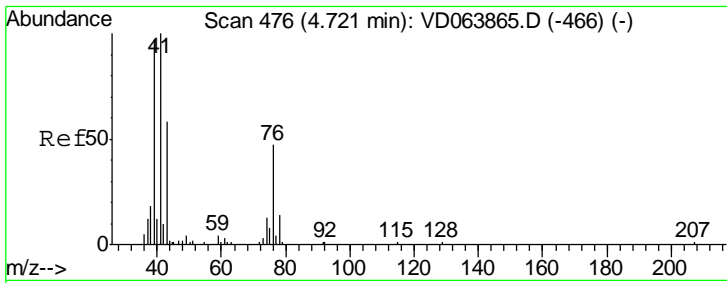
Tgt Ion	Resp	Lower	Upper
53	100		
52	0.0	67.3	100.9#
51	0.0	30.5	45.7#



#16
 Acetone
 Concen: 2.394 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
43	100		
58	0.0	26.2	39.4#

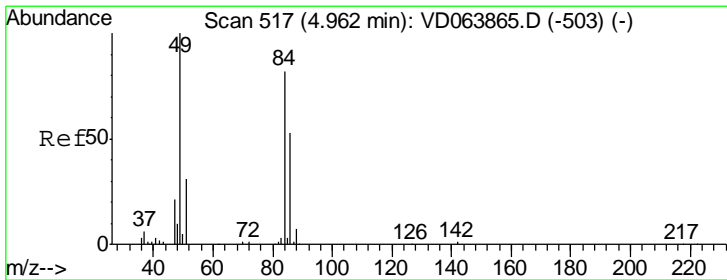
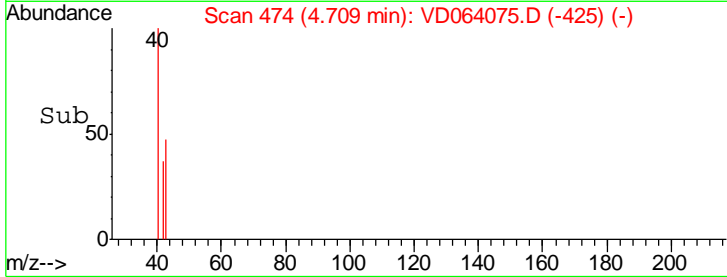
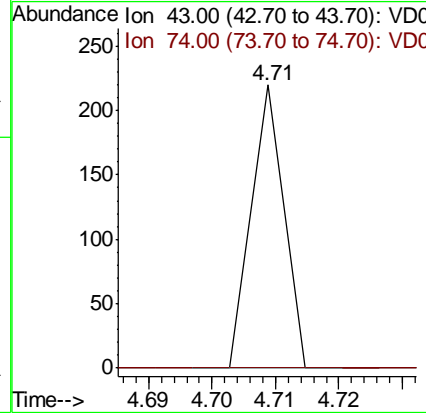
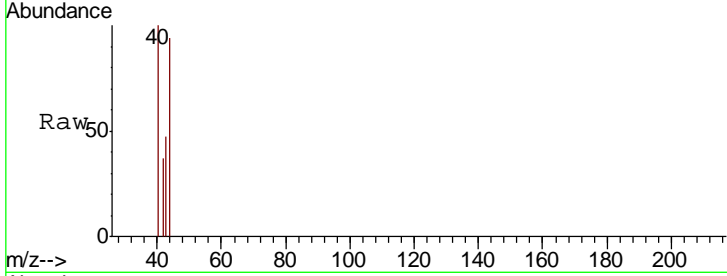




#18
 Methyl Acetate
 Concen: 1.005 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

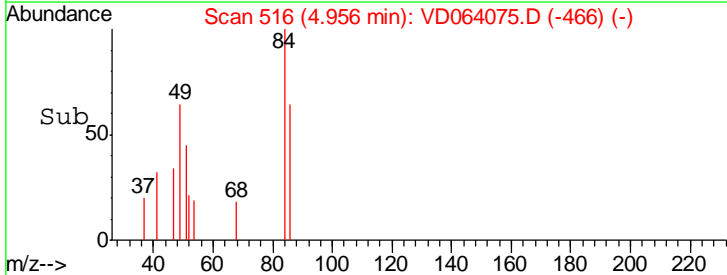
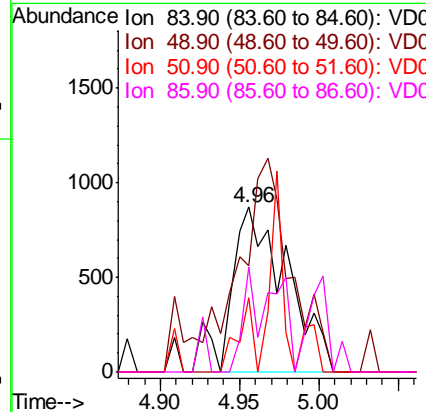
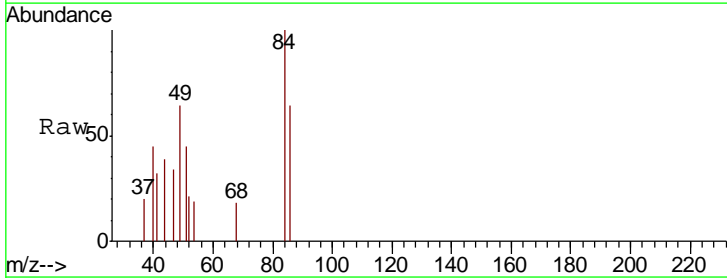
Instrument :
 MSVOA_D
 ClientSampled :

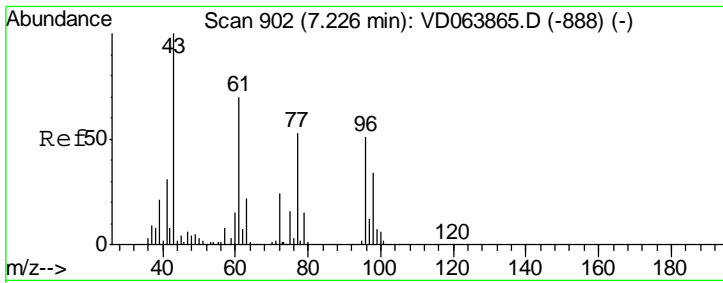
Tgt Ion	Ratio	Lower	Upper
43	100		
74	0.0	20.8	31.2#



#20
 Methylene Chloride
 Concen: 9.759 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	43.3	97.3	145.9#
51	45.4	30.1	45.1#
86	63.7	51.4	77.2

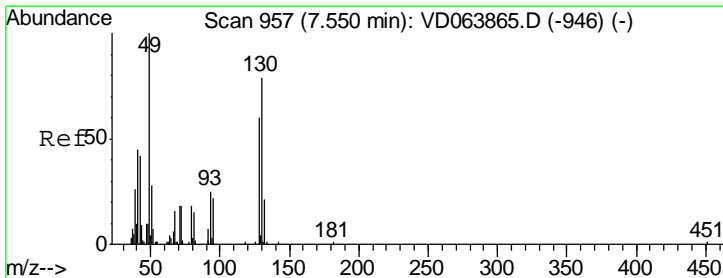
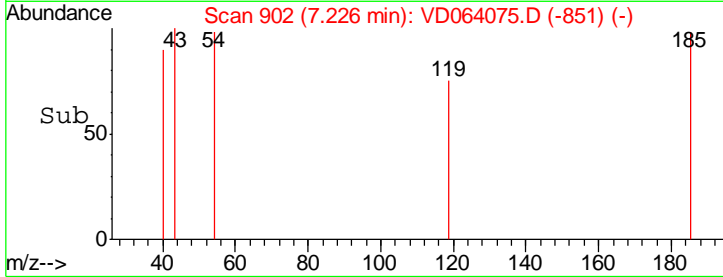
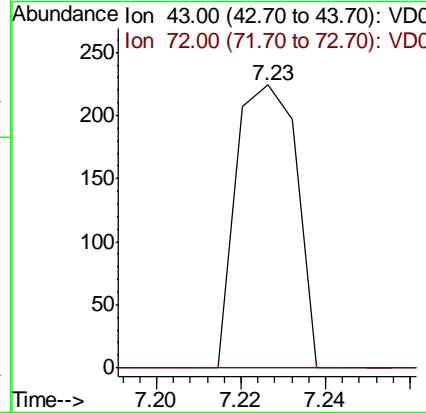
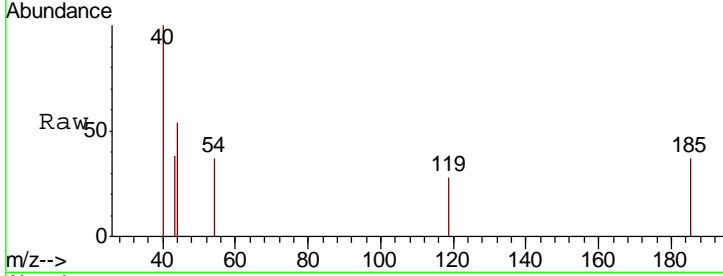




#25
 2-Butanone
 Concen: 4.720 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

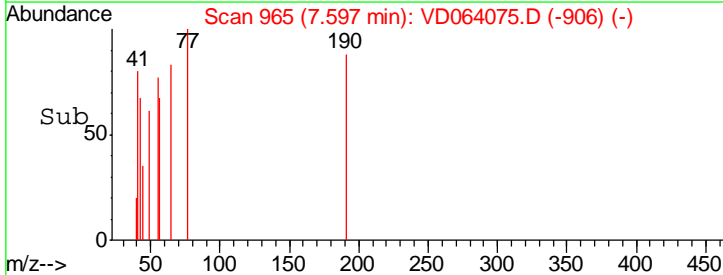
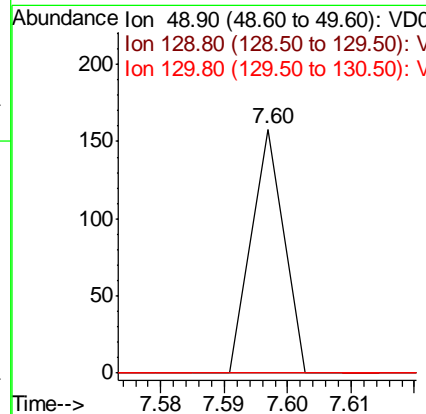
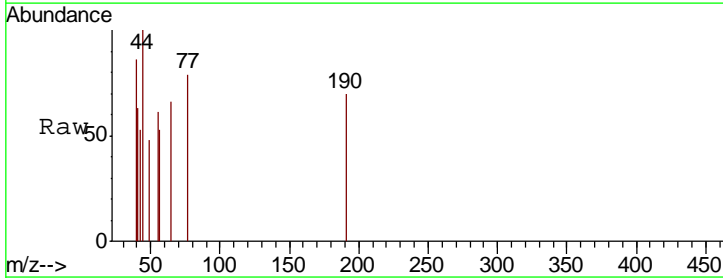
Instrument :
 MSVOA_D
 ClientSampled :

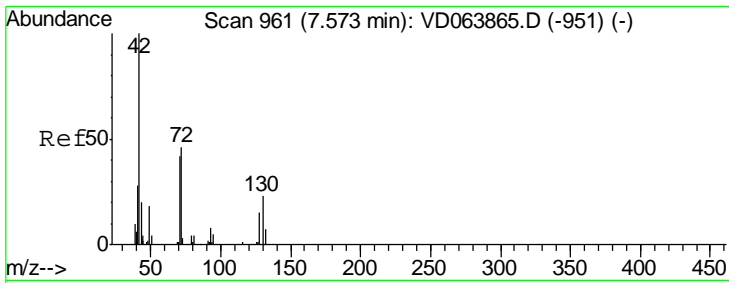
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	19.2	28.8#



#28
 Bromochloromethane
 Concen: 2.381 ug/l
 RT: 7.60 min Scan# 965
 Delta R.T. 0.05 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	0.0	66.8	100.2#

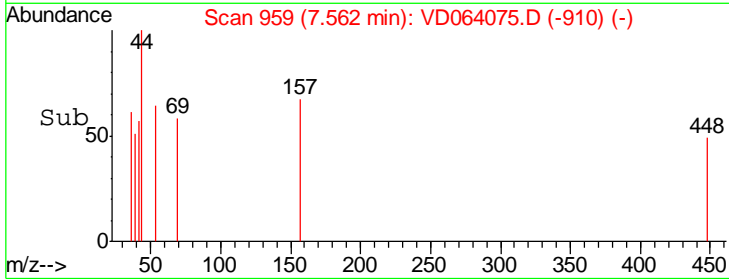
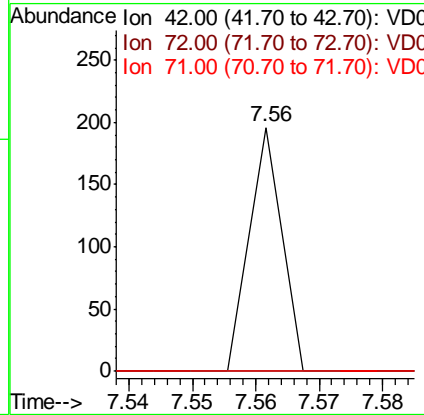
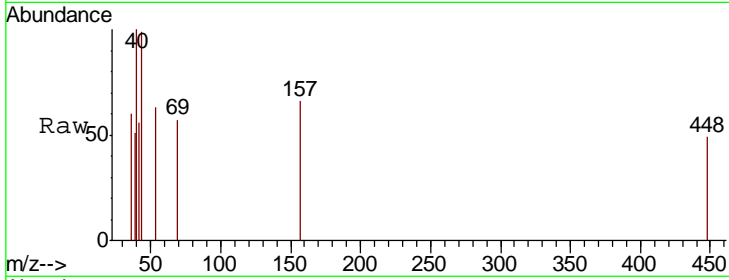




#29
 Tetrahydrofuran
 Concen: 2.514 ug/l
 RT: 7.56 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

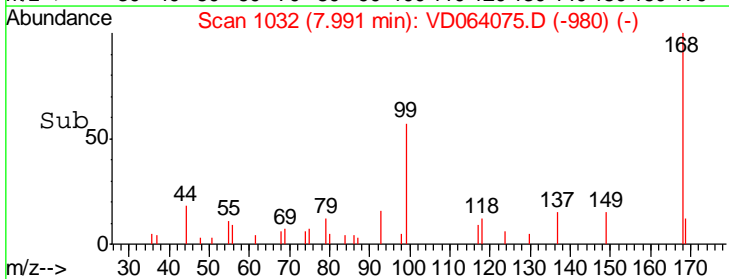
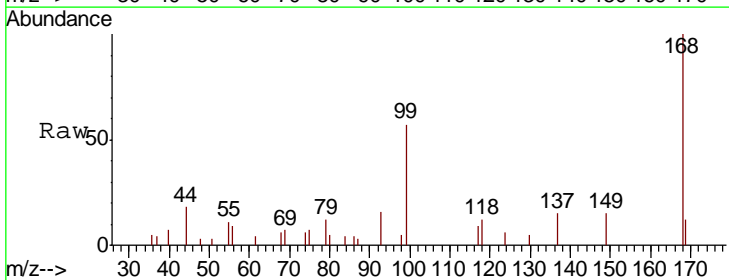
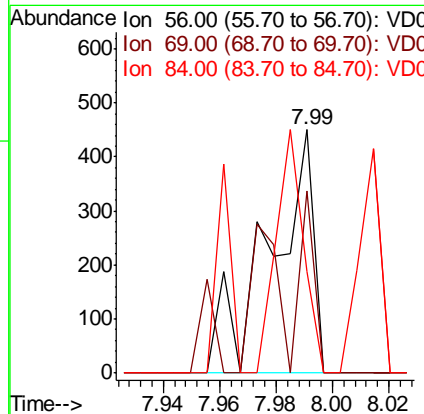
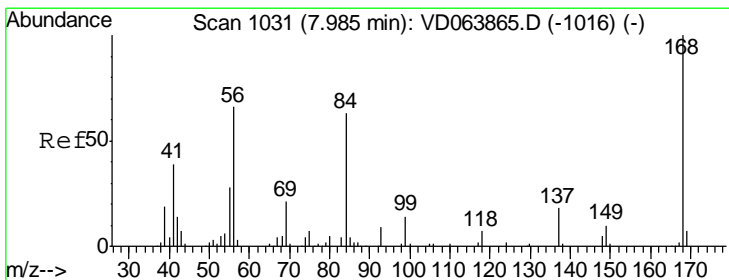
Instrument :
 MSVOA_D
 ClientSampled :

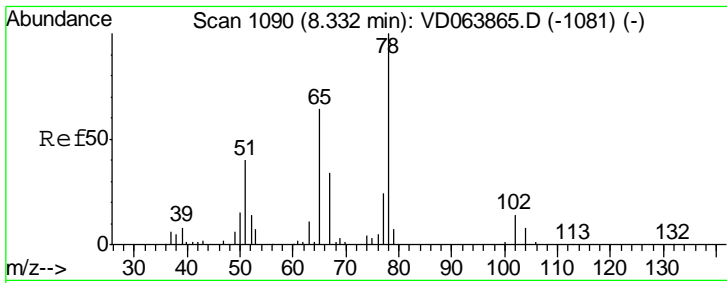
Tgt Ion	Resp	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	0.0	35.0	52.6#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.99 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
56	100		
69	74.7	25.0	37.4#
84	41.8	76.3	114.5#

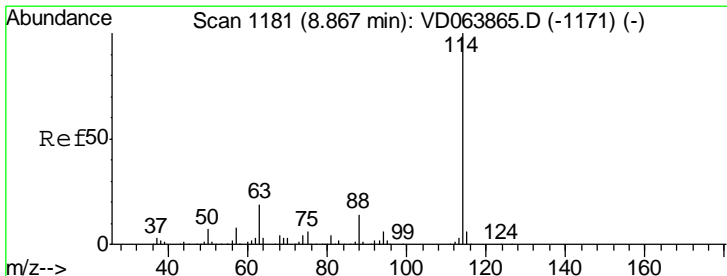
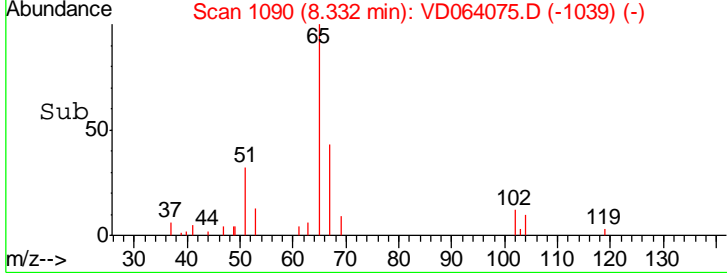
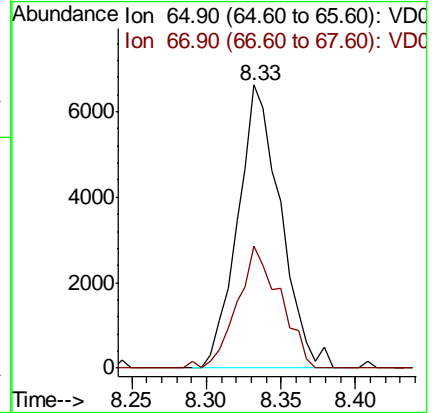
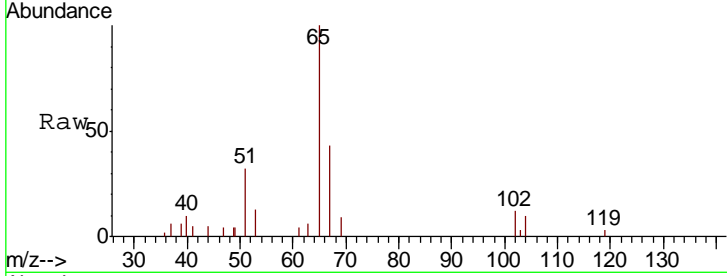




#33
 1,2-Dichloroethane-d4
 Concen: 86.496 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

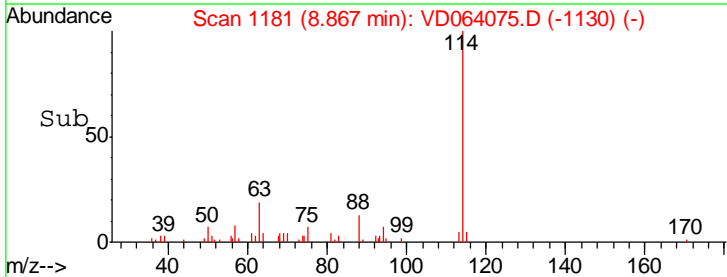
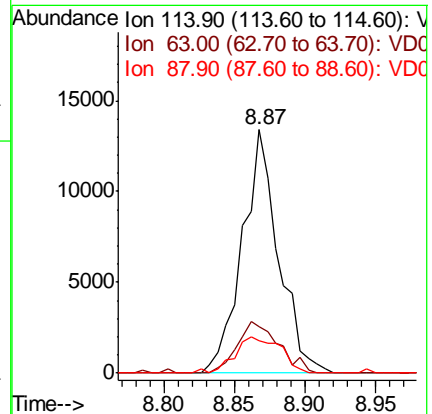
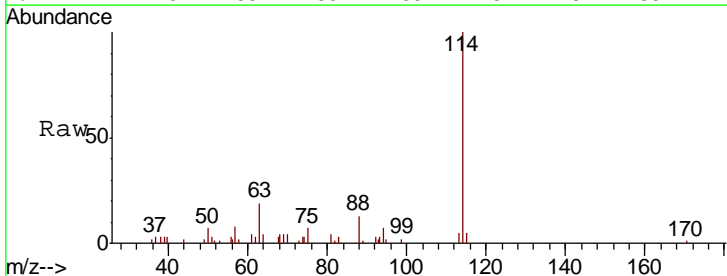
Instrument :
 MSVOA_D
 ClientSampled :

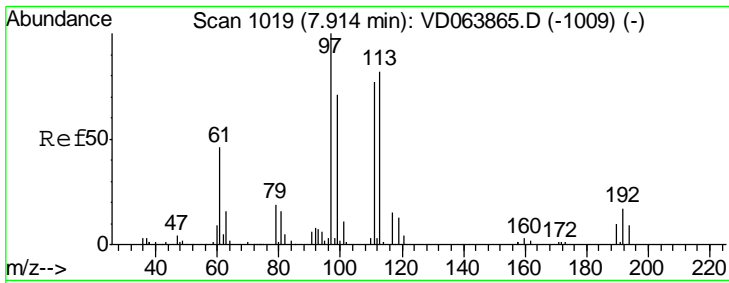
Tgt Ion	Resp	Lower	Upper
65	100		
67	43.4	0.0	106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.3	0.0	38.4
88	13.5	0.0	27.4

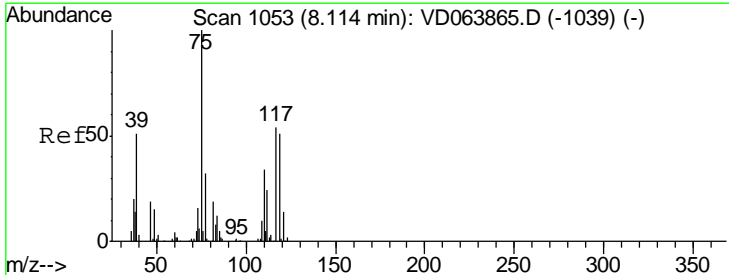
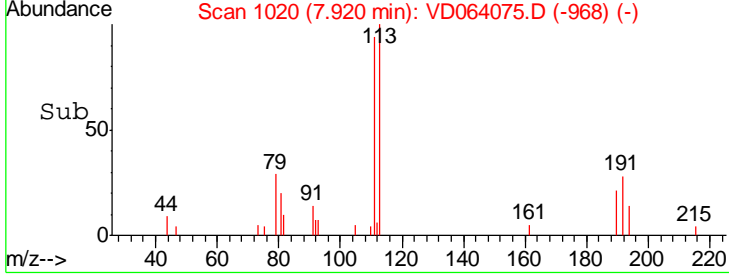
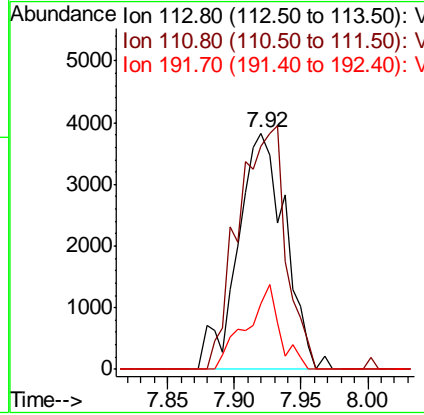
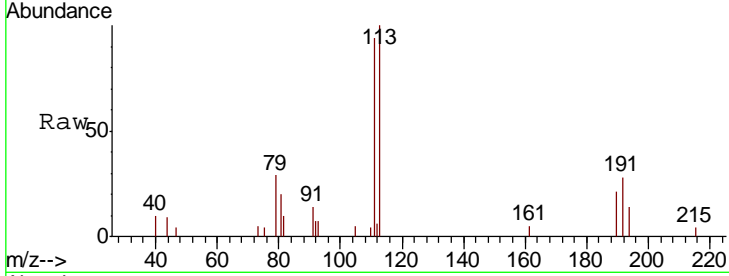




#35
 Dibromofluoromethane
 Concen: 64.475 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

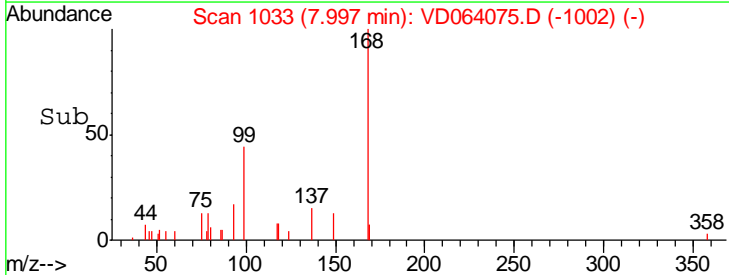
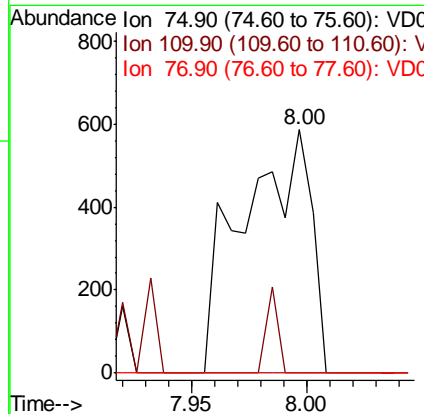
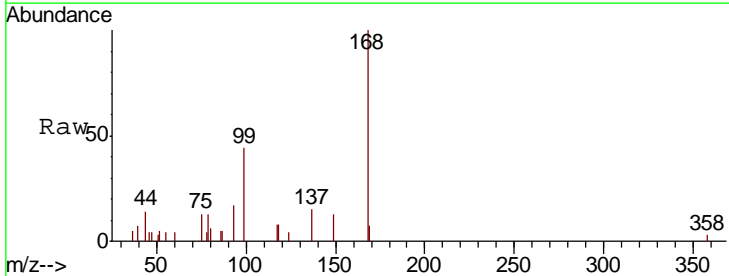
Instrument :
 MSVOA_D
 ClientSampled :

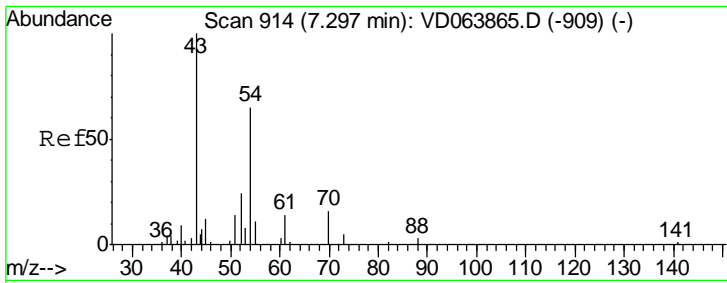
Tgt Ion	Resp	Lower	Upper
113	9463		
111	103.1	82.6	123.8
192	25.2	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 5.456 ug/l
 RT: 8.00 min Scan# 1033
 Delta R.T. -0.12 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
75	1198		
110	6.1	17.4	52.3#
77	0.0	25.4	38.0#

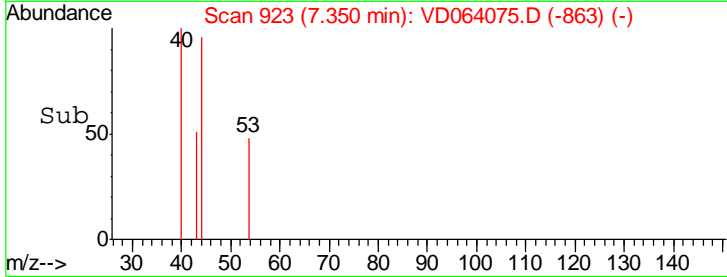
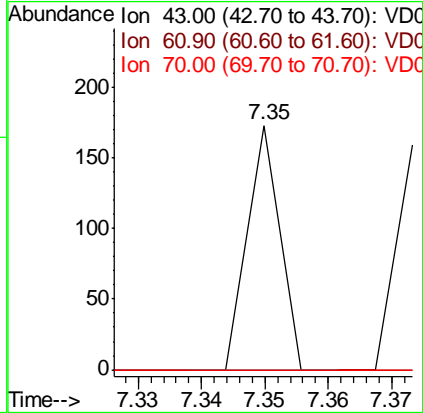
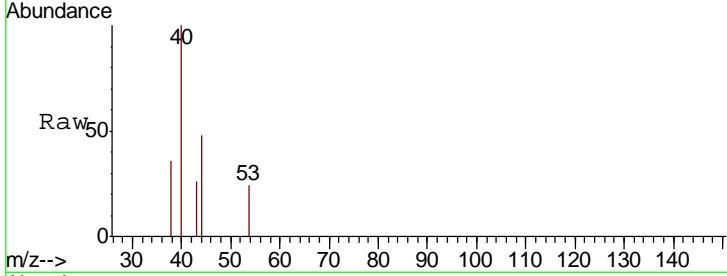




#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.35 min Scan# 923
 Delta R.T. 0.05 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

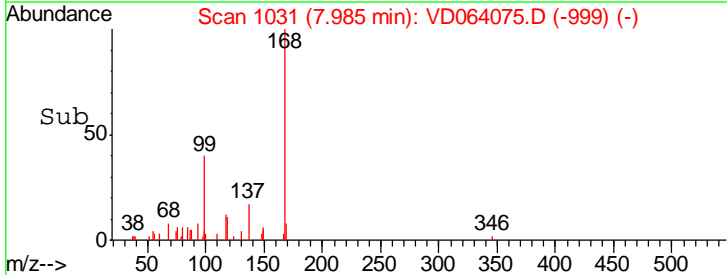
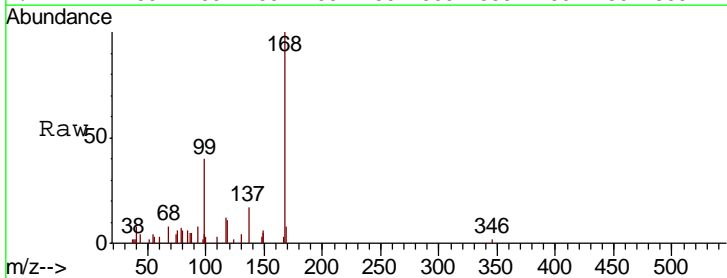
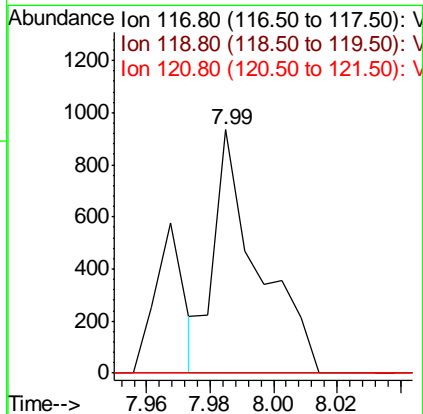
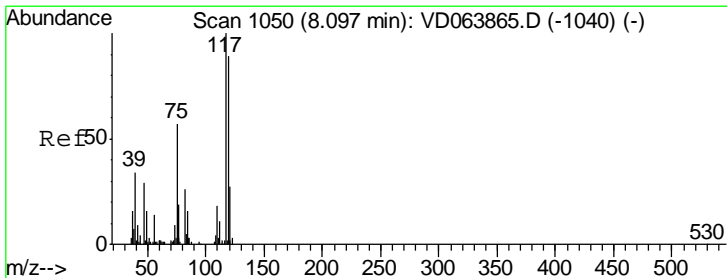
Instrument :
 MSVOA_D
 ClientSampled :

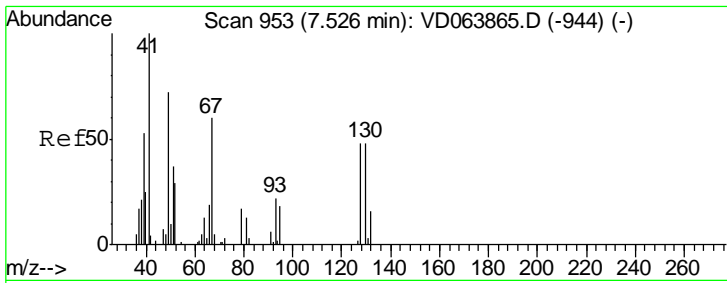
Tgt Ion	Resp	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	8.2	12.4#



#38
 Carbon Tetrachloride
 Concen: 4.038 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
117	100		
119	0.0	70.8	106.2#
121	0.0	21.4	32.0#

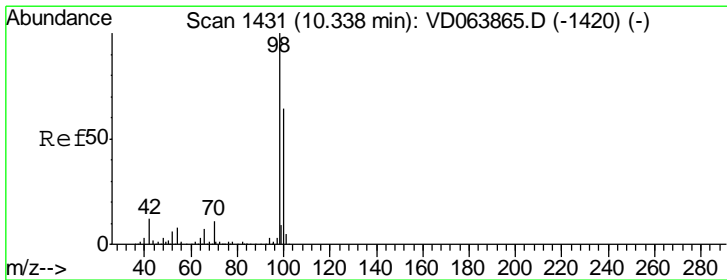
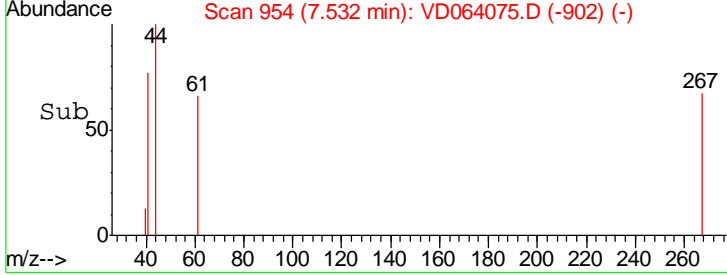
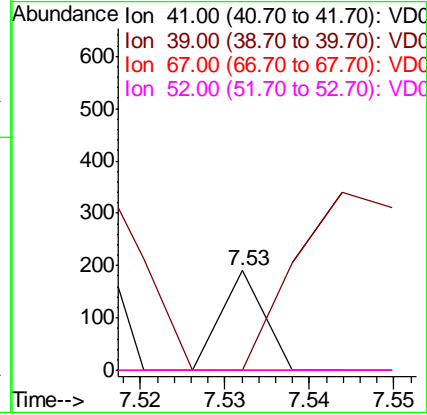
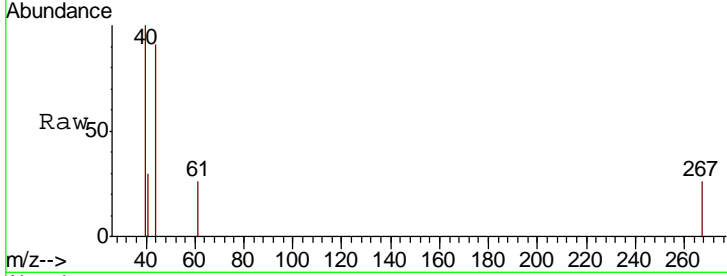




#41
 Methacrylonitrile
 Concen: 1.316 ug/l
 RT: 7.53 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

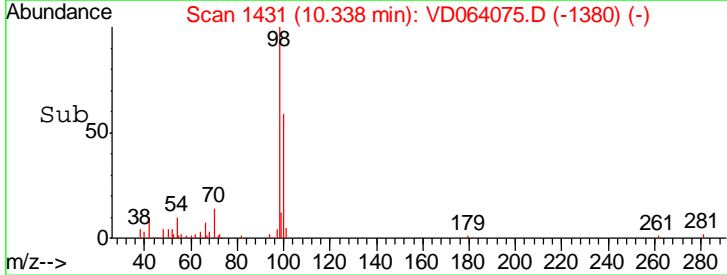
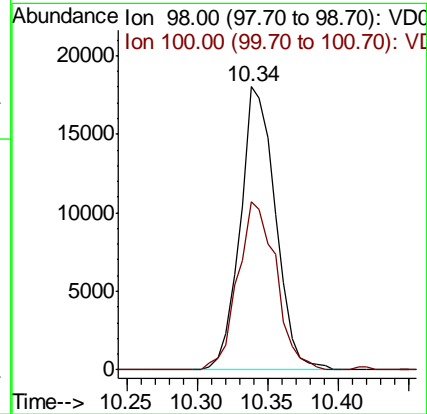
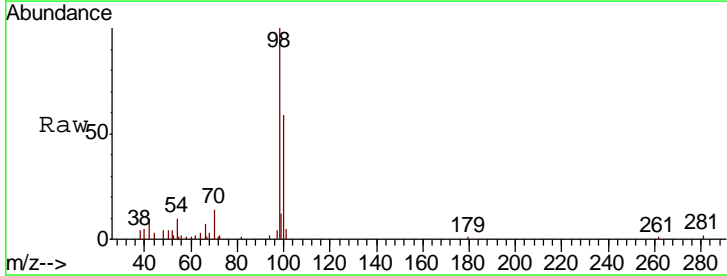
Instrument :
 MSVOA_D
 ClientSampled :

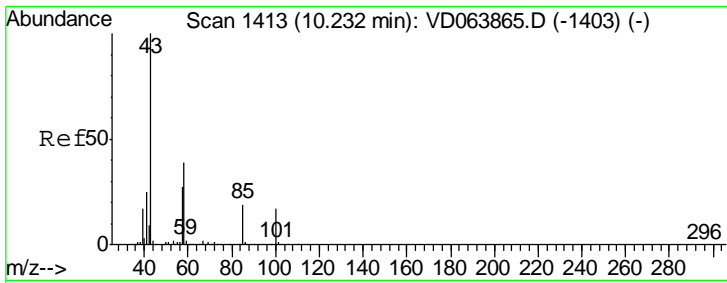
Tgt Ion	Resp	Lower	Upper
41	100		
39	0.0	52.6	78.8#
67	0.0	74.2	111.2#
52	0.0	34.0	51.0#



#50
 Toluene-d8
 Concen: 52.742 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.5	52.1	78.1

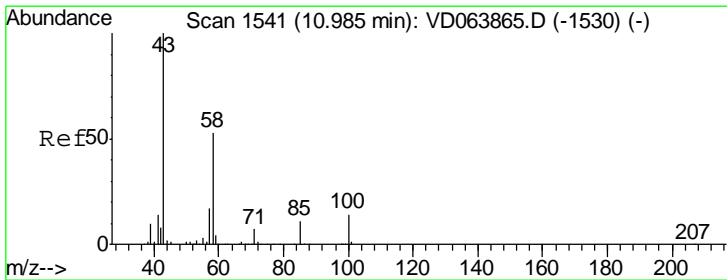
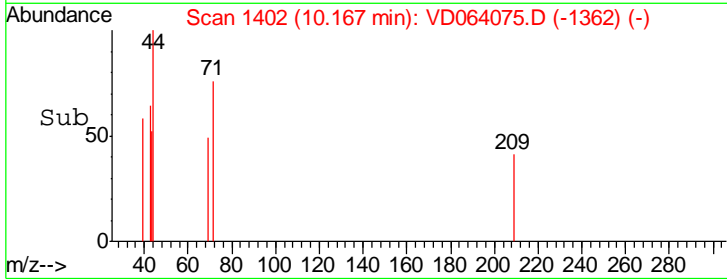
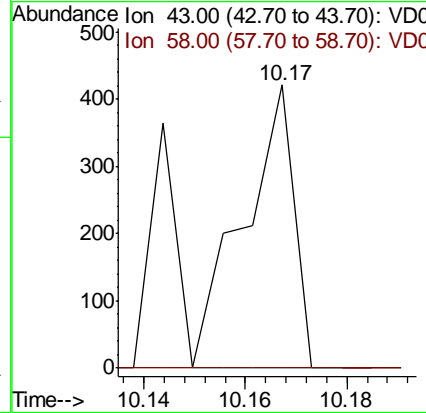
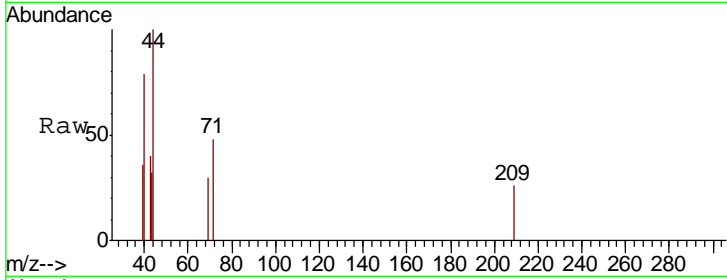




#51
 4-Methyl-2-Pentanone
 Concen: 3.078 ug/l
 RT: 10.17 min Scan# 1402
 Delta R.T. -0.06 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

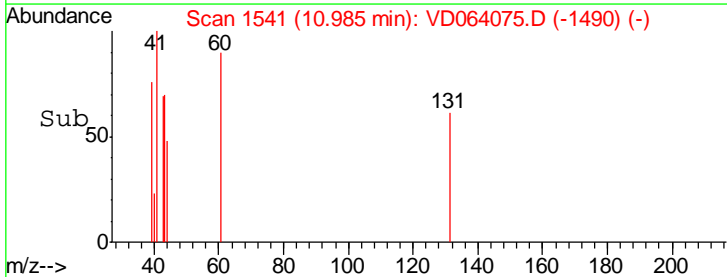
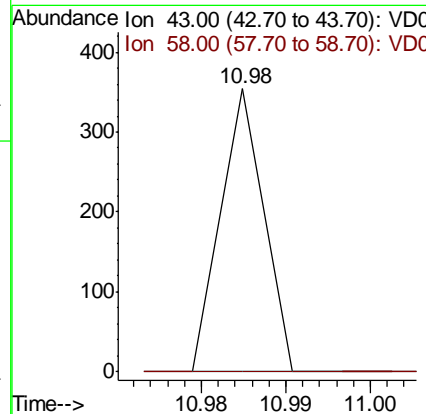
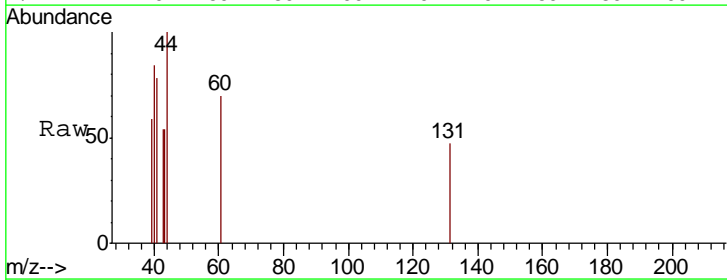
Instrument :
 MSVOA_D
 ClientSampled :

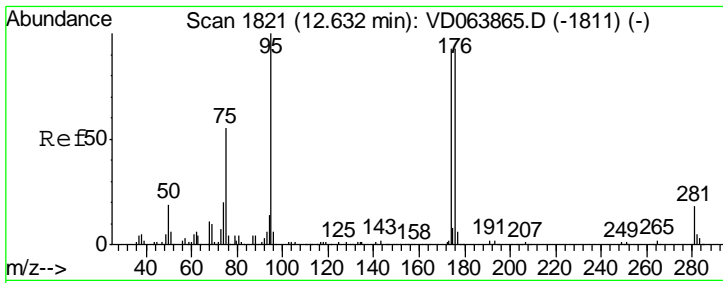
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.0	49.4#



#59
 2-Hexanone
 Concen: 1.809 ug/l
 RT: 10.98 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.7	83.0#

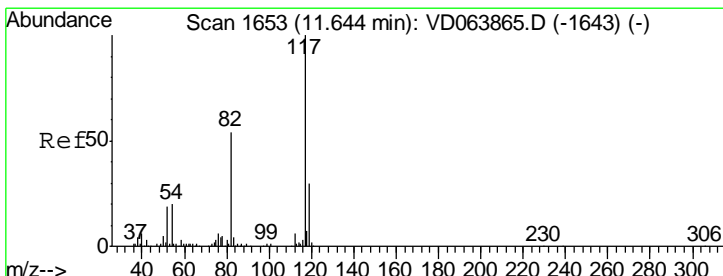
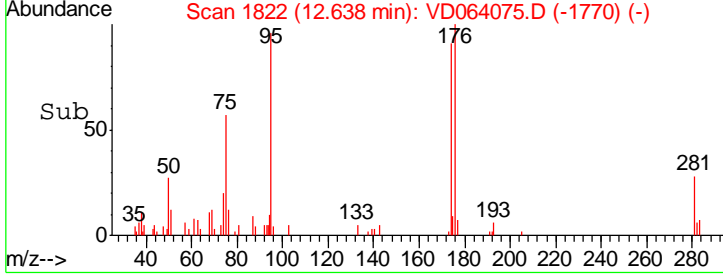
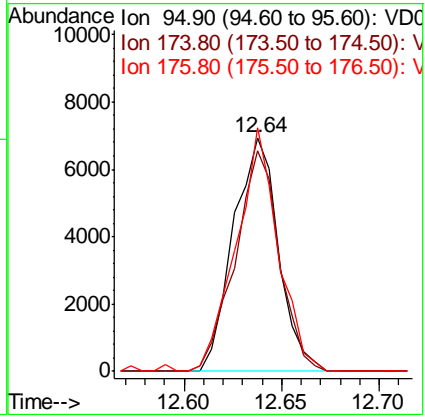
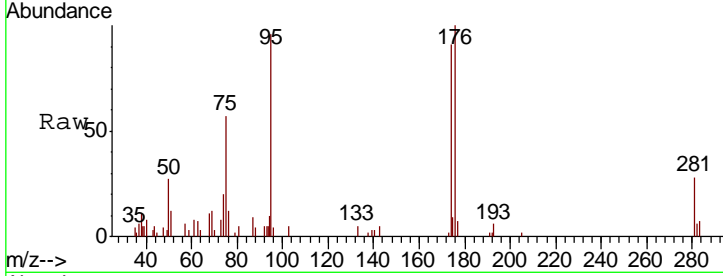




#62
 4-Bromofluorobenzene
 Concen: 53.418 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

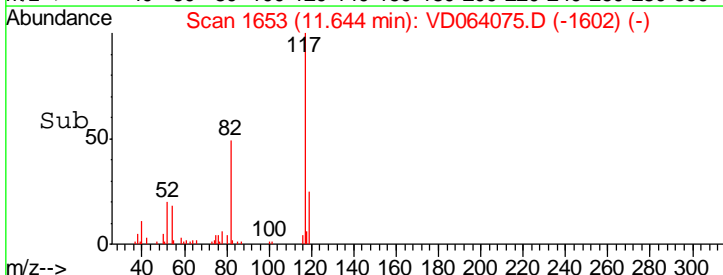
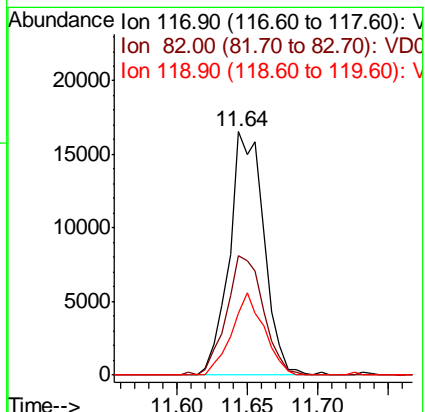
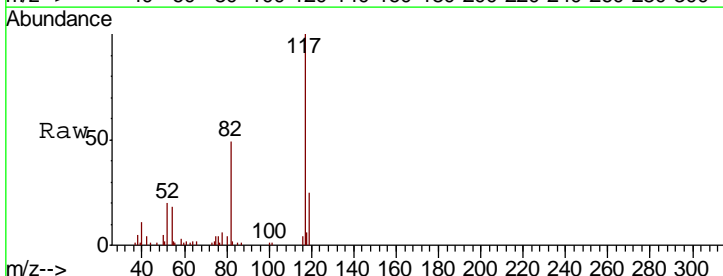
Instrument :
 MSVOA_D
 ClientSampled :

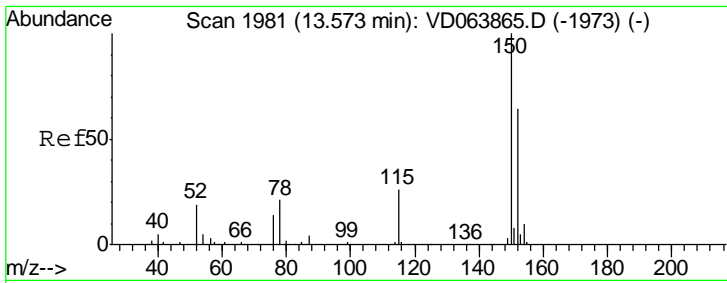
Tgt Ion	Resp	Lower	Upper
95	11058		
174	92.3	0.0	186.4
176	97.5	0.0	184.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.64 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
117	28199		
82	49.1	42.8	64.2
119	25.4	24.4	36.6

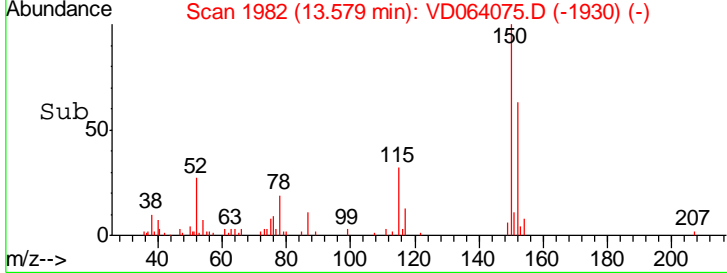
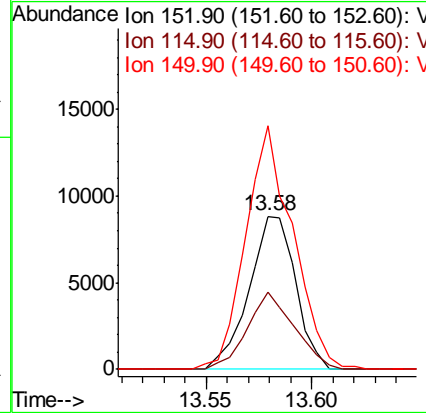
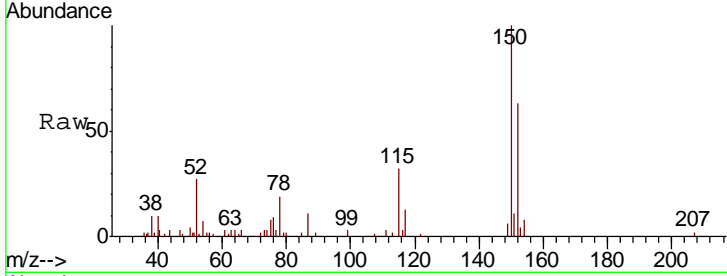




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

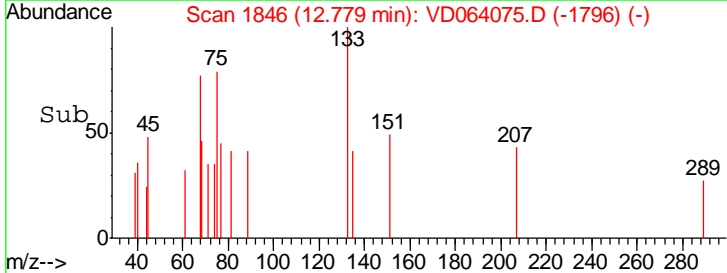
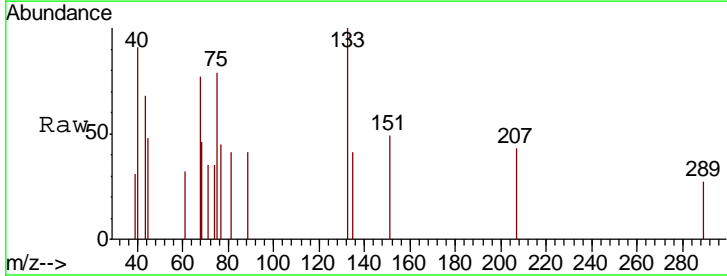
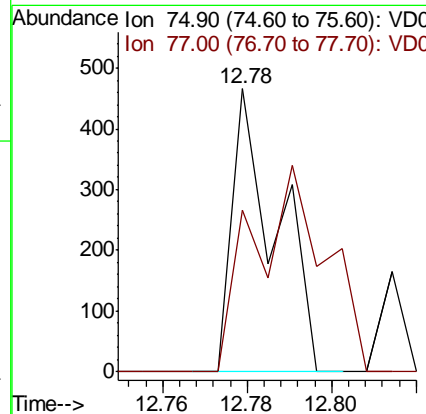
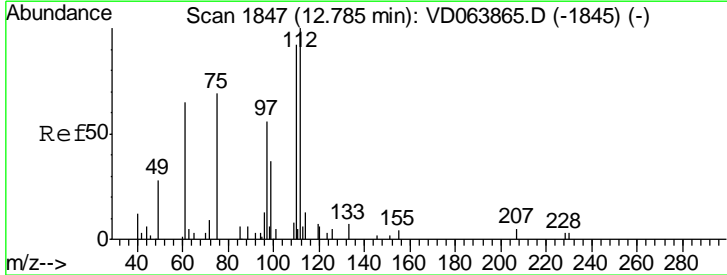
Instrument : MSVOA_D
 ClientSampled :

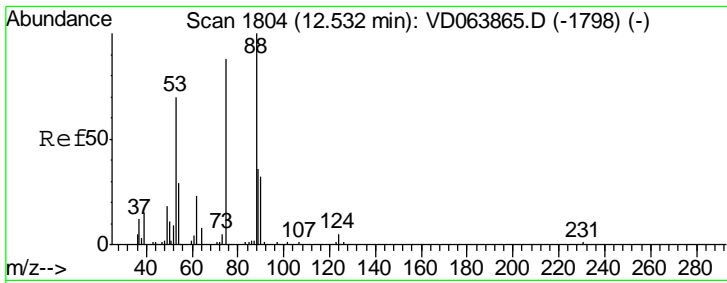
Tgt Ion	Resp	Lower	Upper
152	100		
115	51.1	25.9	77.7
150	161.0	0.0	344.2



#76
 1,2,3-Trichloropropane
 Concen: 3.720 ug/l
 RT: 12.78 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Tgt Ion	Resp	Lower	Upper
75	100		
77	119.6	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.410 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064075.D
 Acq: 25 Oct 2019 19:51

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.8	75.0	112.6#
89	1.0	38.2	57.4#

