

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063026.D
 Acq On : 3 Jul 2019 16:04
 Operator : VA/AP
 Sample : K3682-02
 Misc : 5.18g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-2X-ROLL-OFF-2-STOCK-PILE

Quant Time: Jul 04 00:46:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	220405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	319705	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	300047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	152020	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	153223	63.96	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	127.92%
35) Dibromofluoromethane	6.93	113	135113	50.12	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	100.24%
50) Toluene-d8	10.41	98	267370	45.57	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	91.14%
62) 4-Bromofluorobenzene	13.55	95	134330	50.35	ug/l	0.00
Spiked Amount				50.000		
				Recovery	=	100.70%

Target Compounds

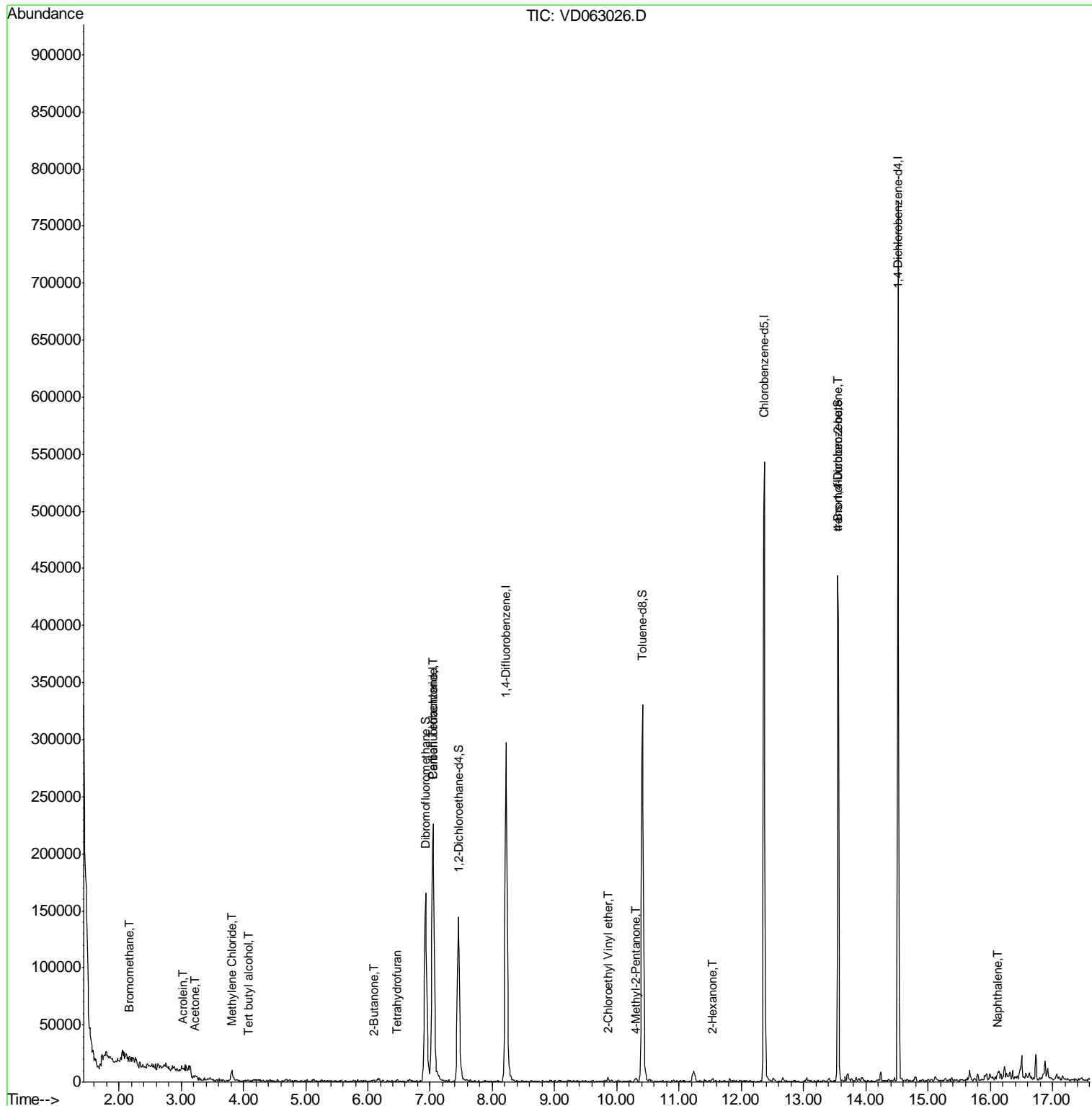
						Qvalue
5) Bromomethane	2.17	94	1587	1.593	ug/l #	13
11) Tert butyl alcohol	4.08	59	247	2.264	ug/l #	1
13) Acrolein	3.04	56	240	2.155	ug/l #	15
16) Acetone	3.22	43	6898	7.410	ug/l #	64
20) Methylene Chloride	3.82	84	4993	2.733	ug/l #	69
25) 2-Butanone	6.10	43	1465	3.269	ug/l #	64
29) Tetrahydrofuran	6.46	42	755	3.561	ug/l #	33
37) Ethyl Acetate	6.18	43	1061	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	22832	5.016	ug/l #	13
51) 4-Methyl-2-Pentanone	10.31	43	2870	2.551	ug/l #	41
58) 2-Chloroethyl Vinyl ether	9.85	63	1828	2.375	ug/l #	47
59) 2-Hexanone	11.53	43	1629	2.033	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.55	75	59887	130.204	ug/l #	2
95) Naphthalene	16.12	128	4829	1.097	ug/l #	77

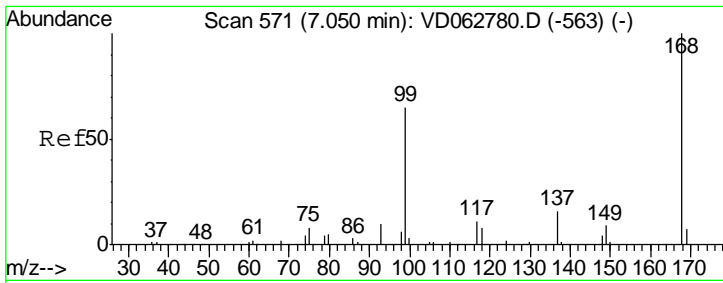
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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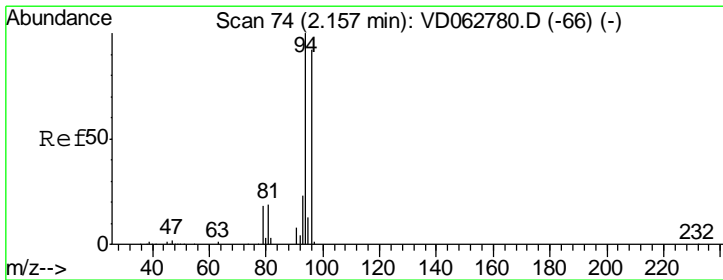
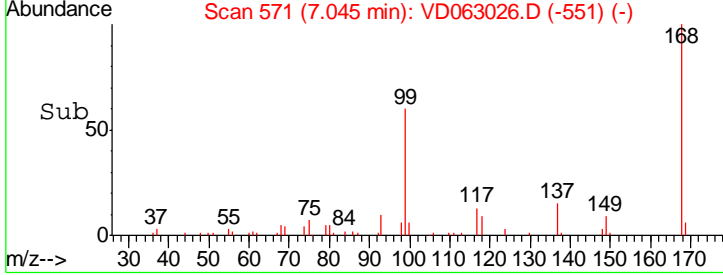
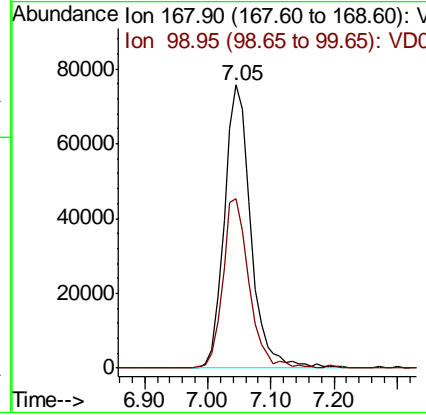
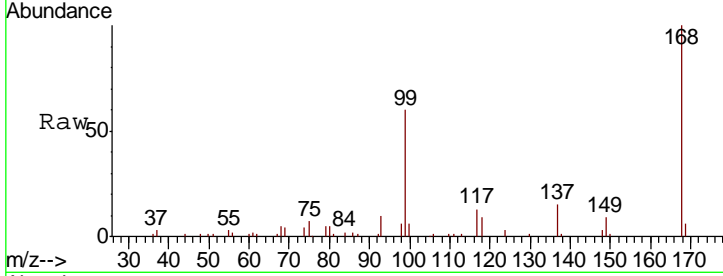




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

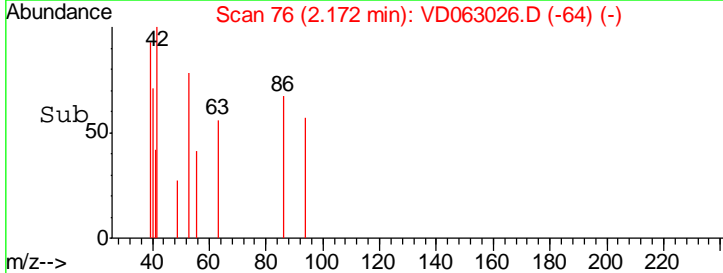
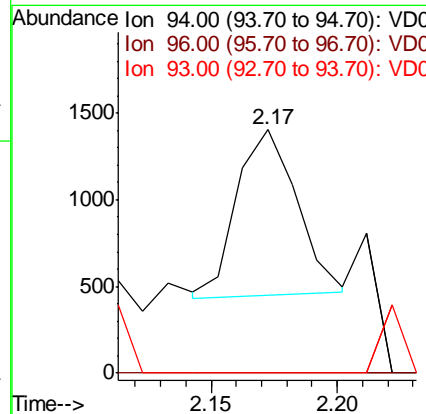
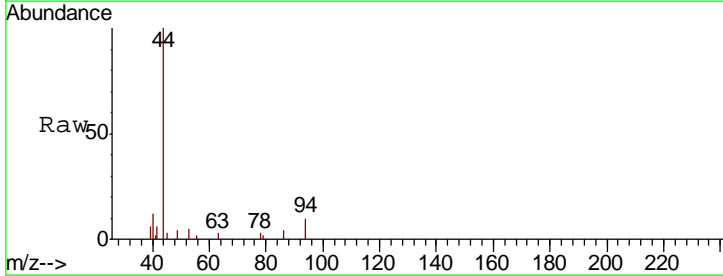
Instrument : MSVOA_D
 ClientSampleId : D-2X-ROLL-OFF-2-STOCK-PILE

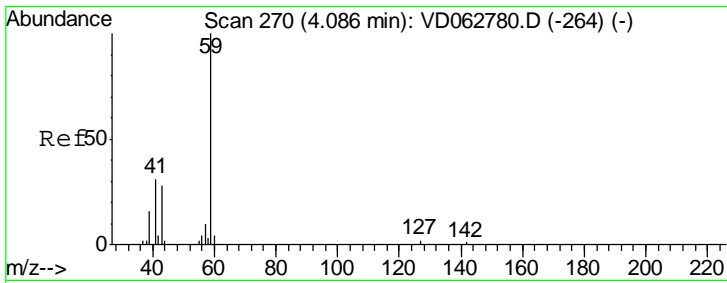
Tgt Ion	Resp	Lower	Upper
168	220405		
99	60.0	53.0	79.6



#5
 Bromomethane
 Concen: 1.593 ug/l
 RT: 2.17 min Scan# 76
 Delta R.T. 0.02 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion	Resp	Lower	Upper
94	1587		
96	0.0	73.4	110.2#
93	0.0	18.2	27.4#

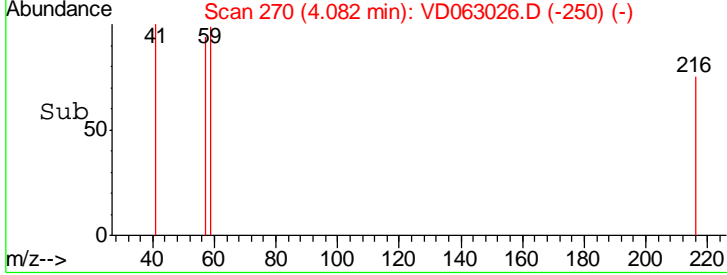
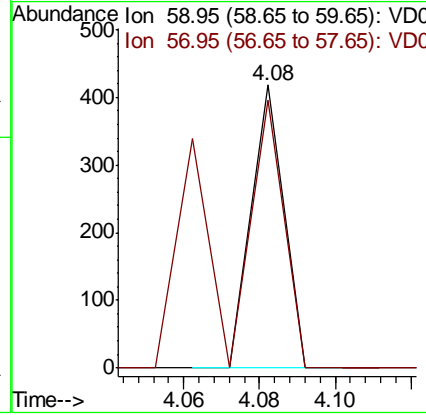
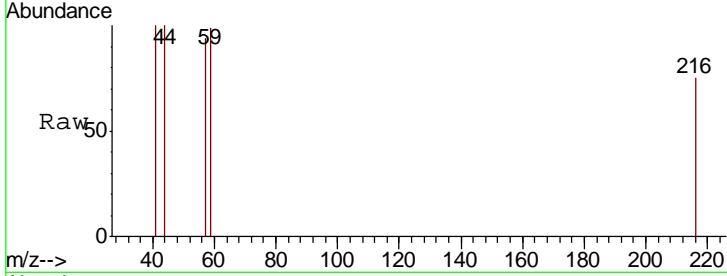




#11
 Tert butyl alcohol
 Concen: 2.264 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

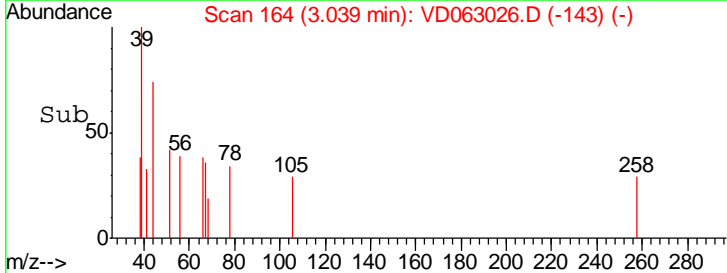
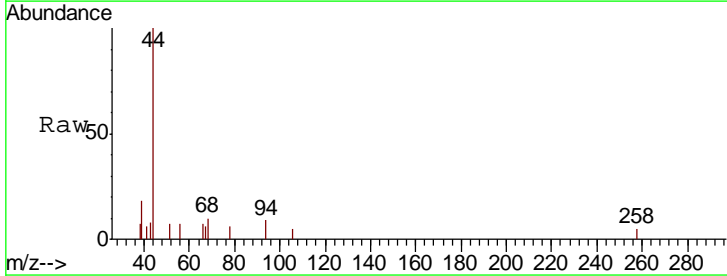
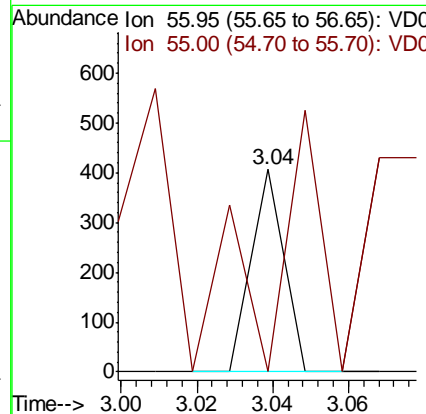
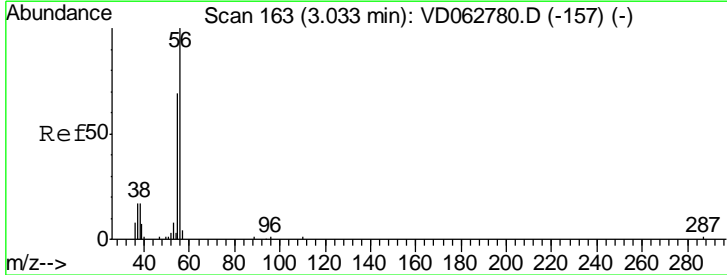
Instrument :
 MSVOA_D
ClientSampled :
 D-2X-ROLL-OFF-2-STOCK-PILE

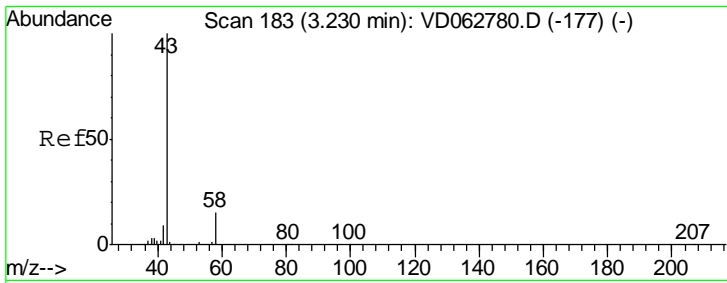
Tgt Ion: 59 Resp: 247
 Ion Ratio Lower Upper
 59 100
 57 94.7 6.6 10.0#



#13
 Acrolein
 Concen: 2.155 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. 0.01 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion: 56 Resp: 240
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.4 83.0#

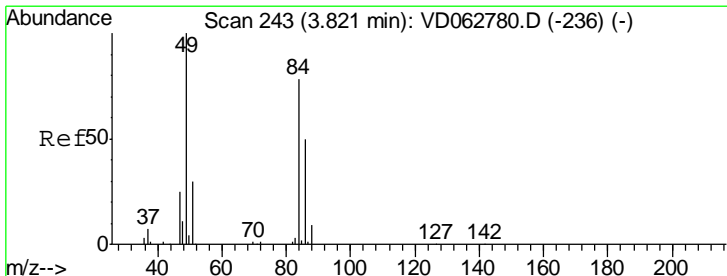
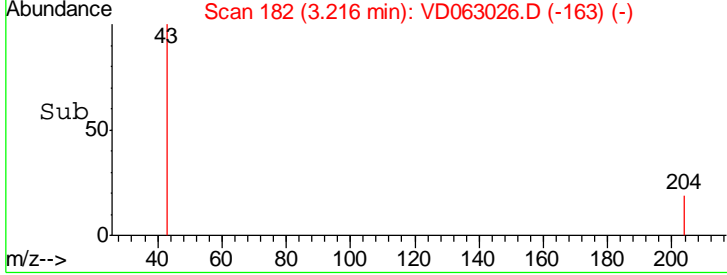
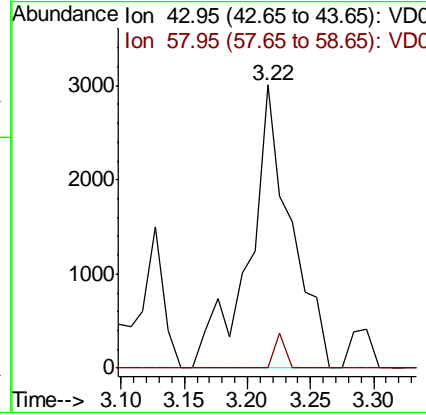
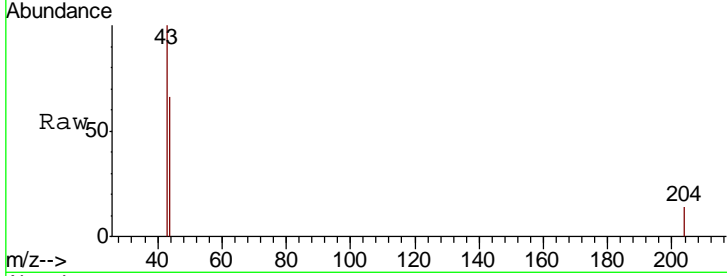




#16
 Acetone
 Concen: 7.410 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

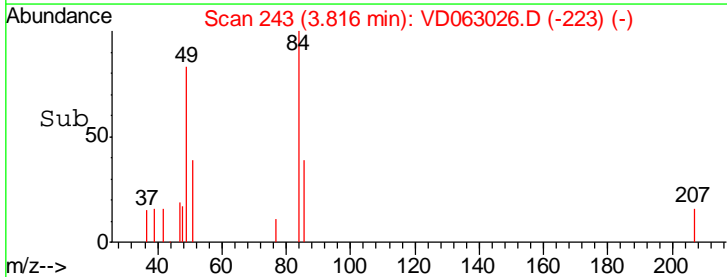
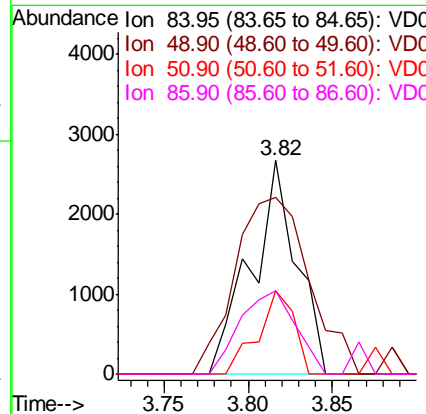
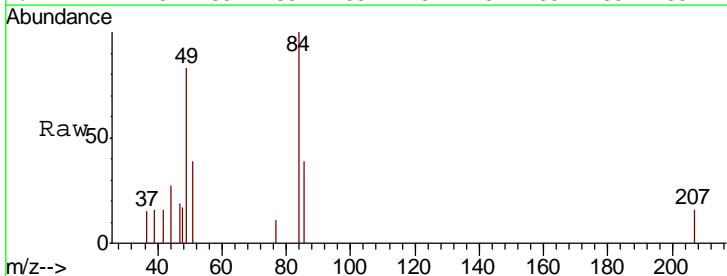
Instrument :
 MSVOA_D
 ClientSampled :
 D-2X-ROLL-OFF-2-STOCK-PILE

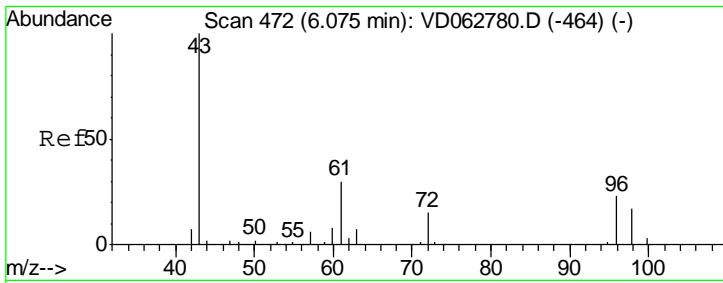
Tgt Ion: 43 Resp: 6898
 Ion Ratio Lower Upper
 43 100
 58 0.0 11.9 17.9#



#20
 Methylene Chloride
 Concen: 2.733 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion: 84 Resp: 4993
 Ion Ratio Lower Upper
 84 100
 49 82.9 102.9 154.3#
 51 38.8 31.2 46.8
 86 38.7 51.4 77.2#

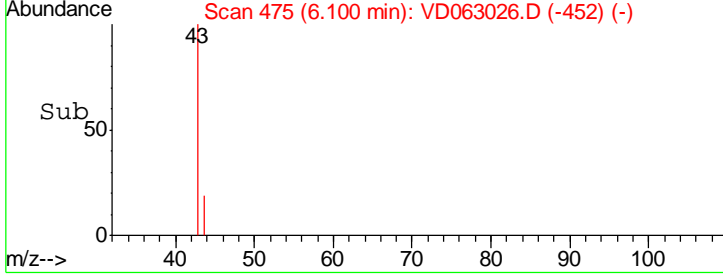
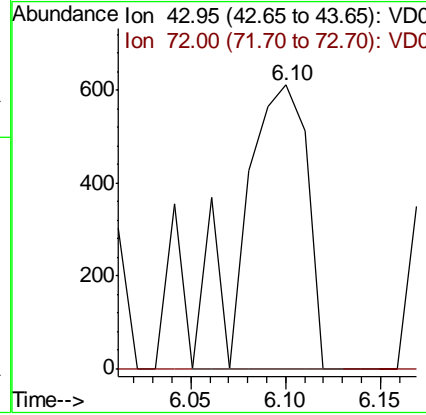
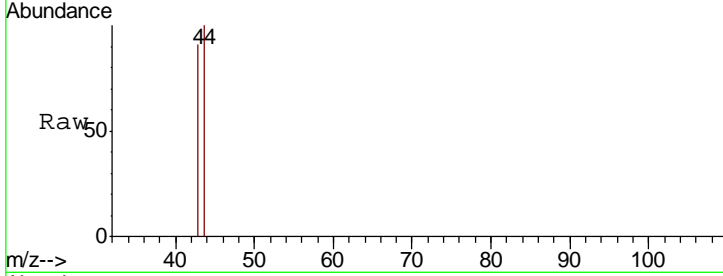




#25
 2-Butanone
 Concen: 3.269 ug/l
 RT: 6.10 min Scan# 475
 Delta R.T. 0.03 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

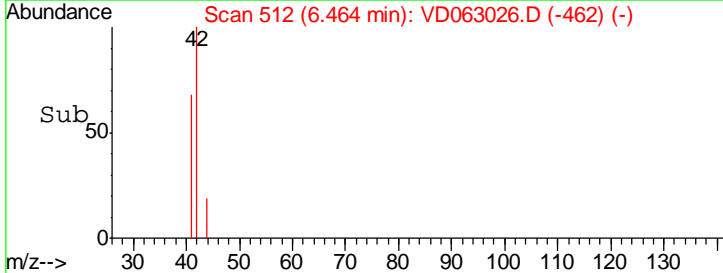
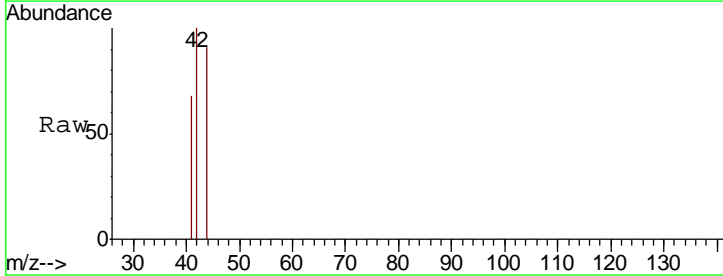
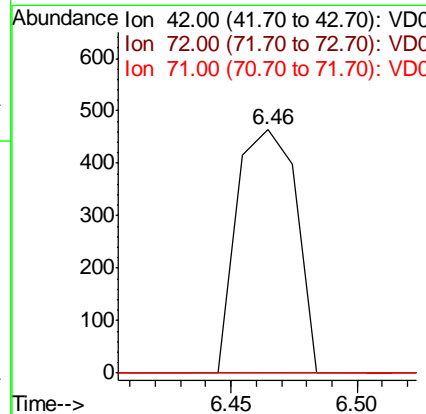
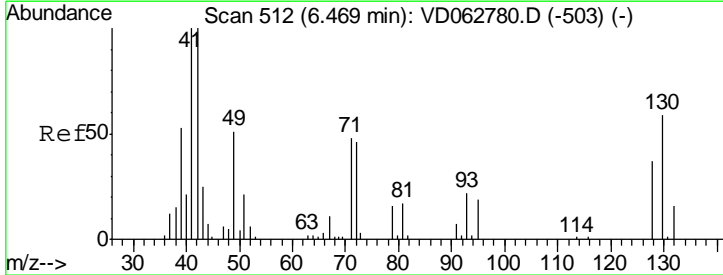
Instrument :
 MSVOA_D
ClientSampled :
 D-2X-ROLL-OFF-2-STOCK-PILE

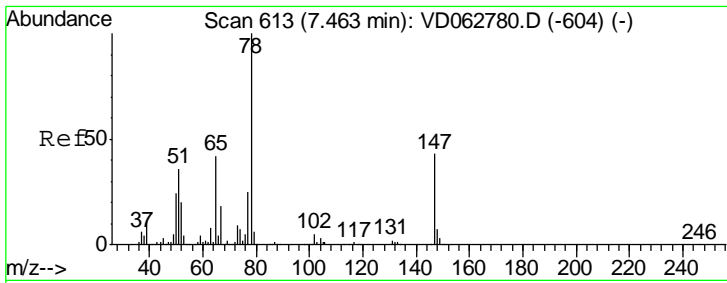
Tgt Ion	Resp	Lower	Upper
43	1465		
72	0.0	11.9	17.9#



#29
 Tetrahydrofuran
 Concen: 3.561 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion	Resp	Lower	Upper
42	755		
72	0.0	35.0	52.6#
71	0.0	33.3	49.9#

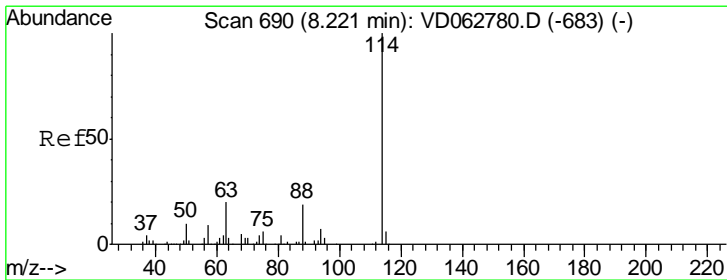
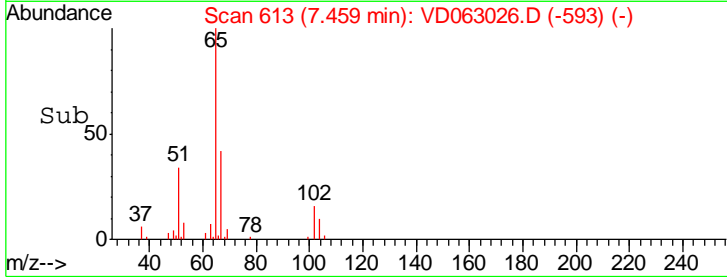
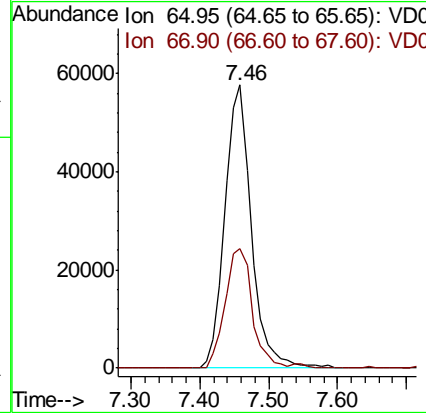
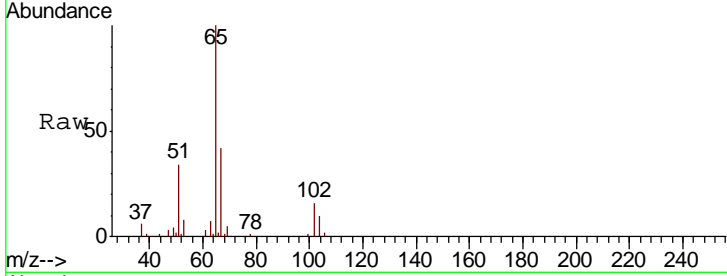




#33
 1,2-Dichloroethane-d4
 Concen: 63.956 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

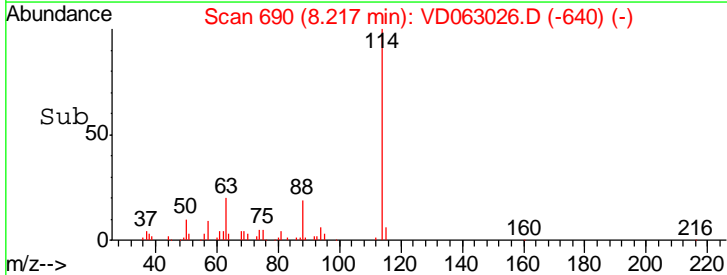
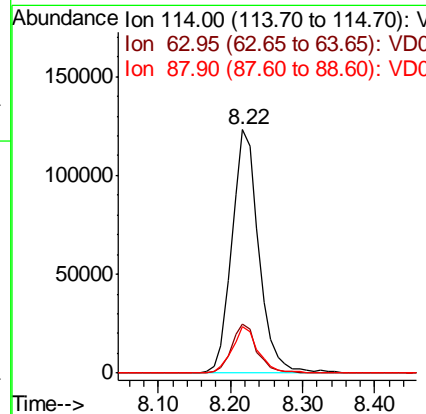
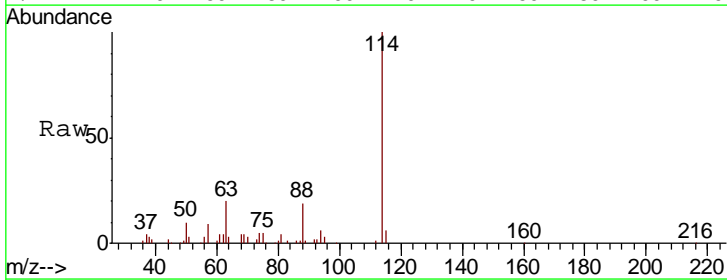
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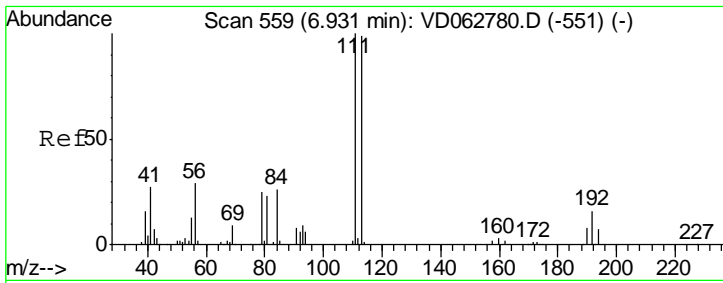
Tgt Ion: 65 Resp: 153223
 Ion Ratio Lower Upper
 65 100
 67 42.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion: 114 Resp: 319705
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 19.0 0.0 38.8

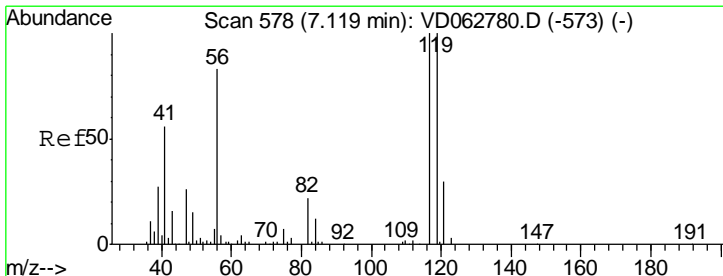
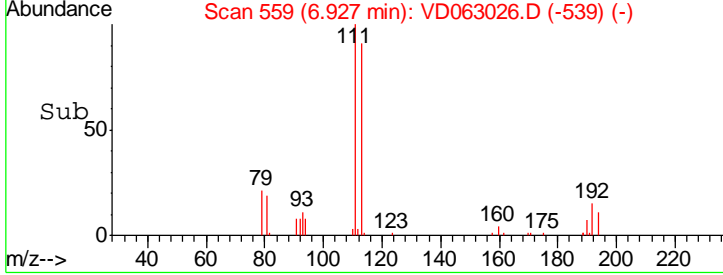
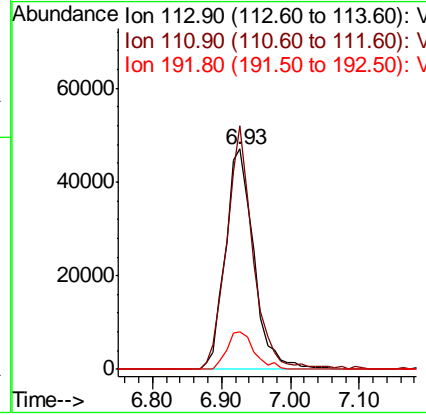
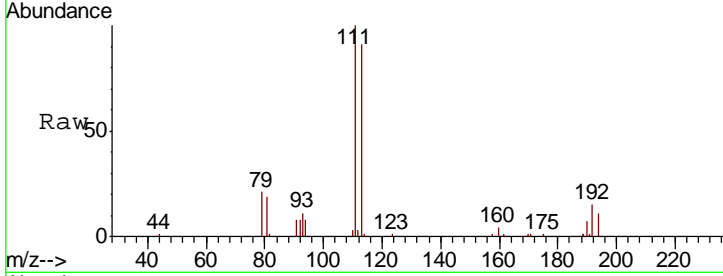




#35
 Dibromofluoromethane
 Concen: 50.121 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

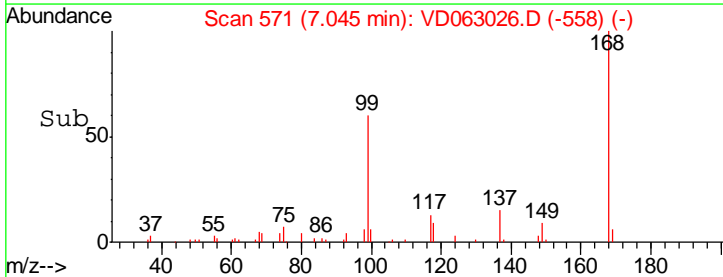
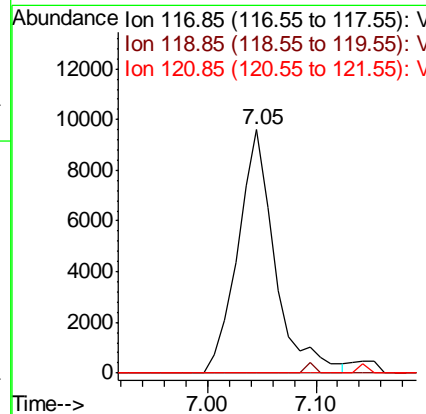
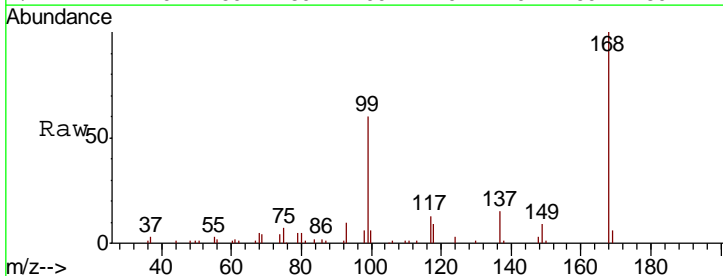
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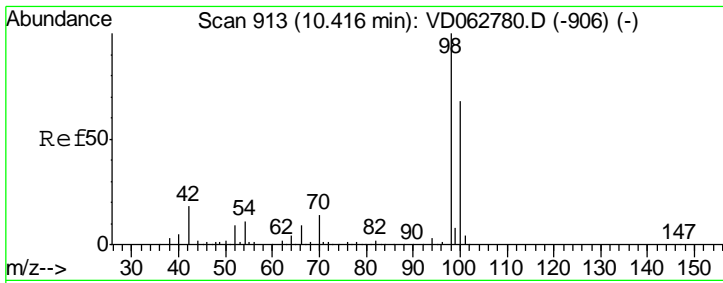
Tgt Ion	Resp	Lower	Upper
113	135113		
111	110.4	81.2	121.8
192	16.9	12.9	19.3



#38
 Carbon Tetrachloride
 Concen: 5.016 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion	Resp	Lower	Upper
117	22832		
119	100	75.4	113.2#
121	0.0	22.3	33.5#

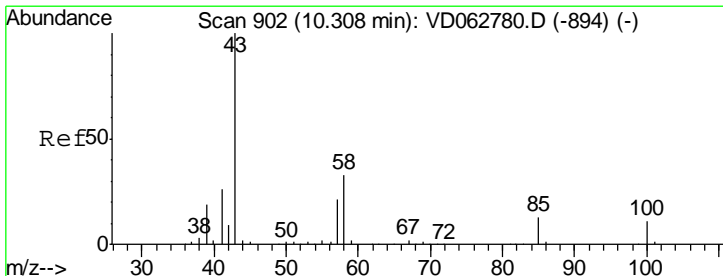
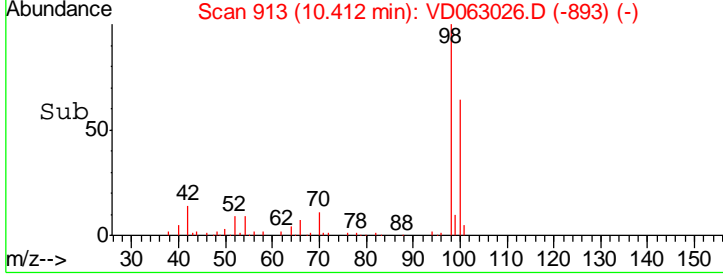
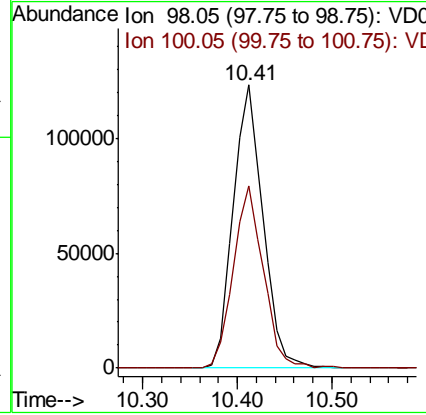
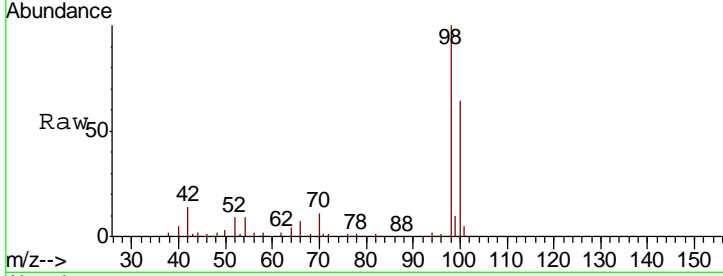




#50
 Toluene-d8
 Concen: 45.571 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

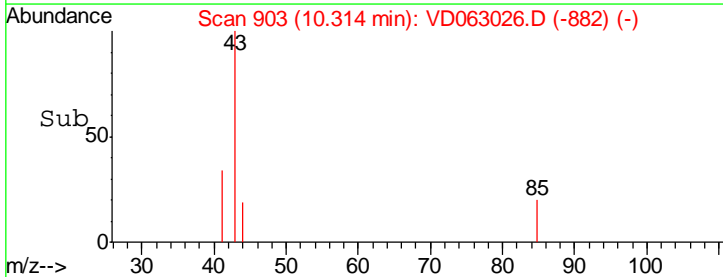
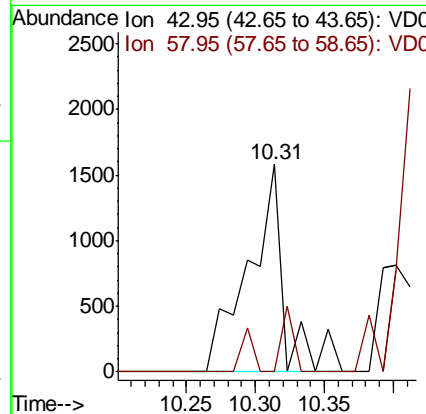
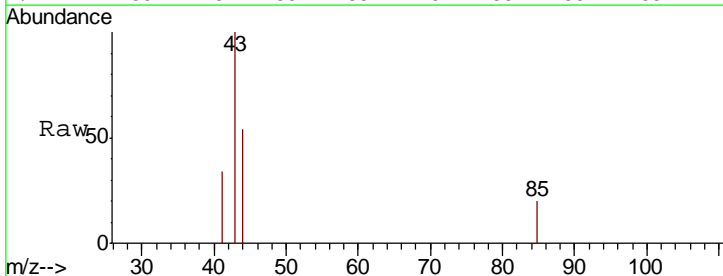
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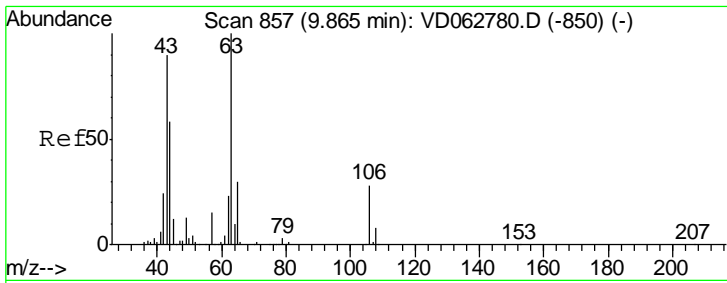
Tgt Ion	Resp	Lower	Upper
98	100		
100	64.4	54.7	82.1



#51
 4-Methyl-2-Pentanone
 Concen: 2.551 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion	Resp	Lower	Upper
43	100		
58	0.0	26.6	40.0#

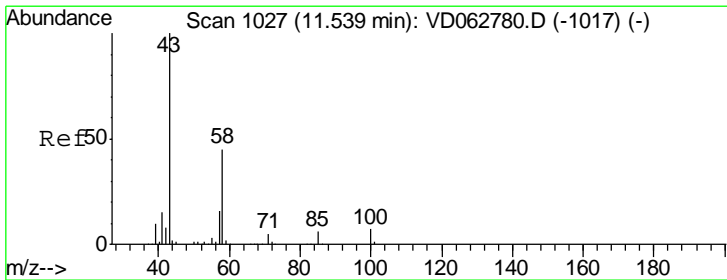
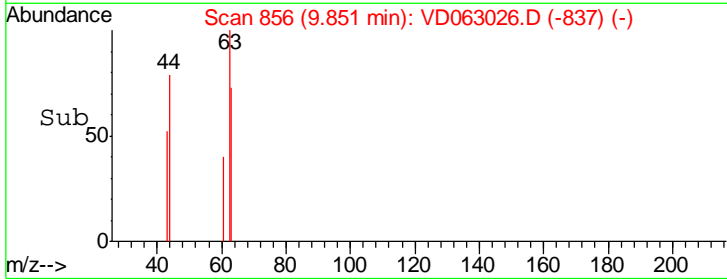
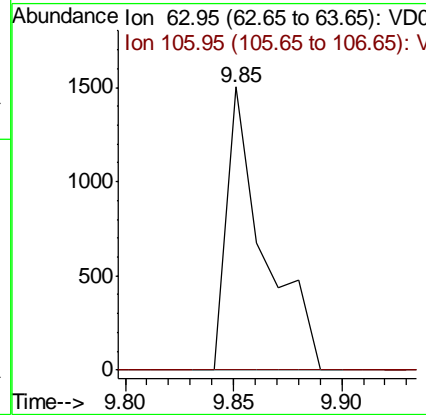
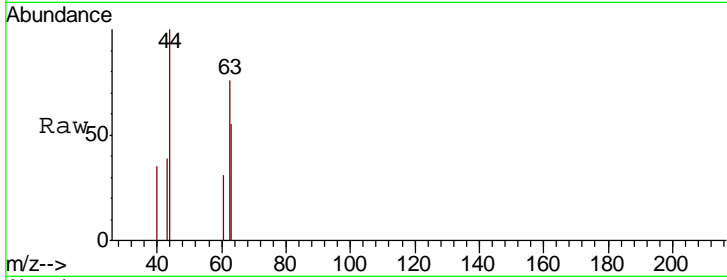




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.375 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

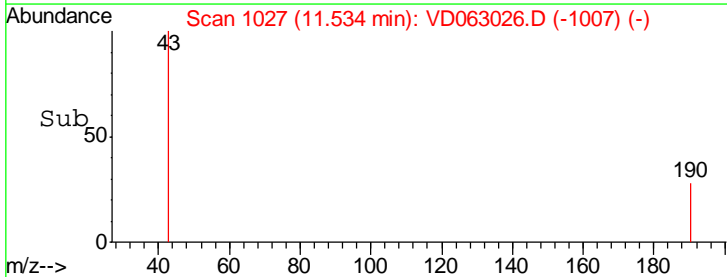
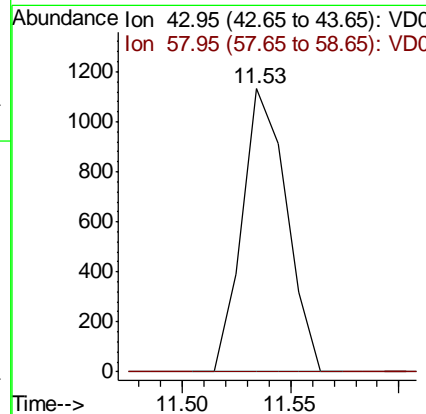
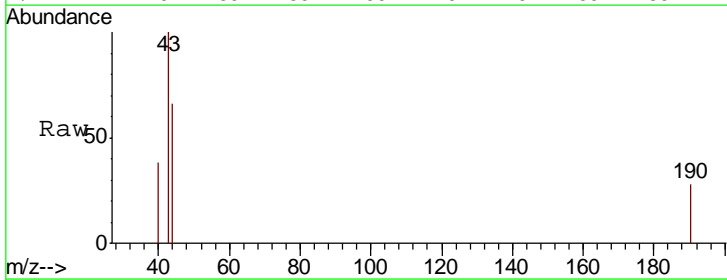
Instrument :
 MSVOA_D
ClientSampled :
 D-2X-ROLL-OFF-2-STOCK-PILE

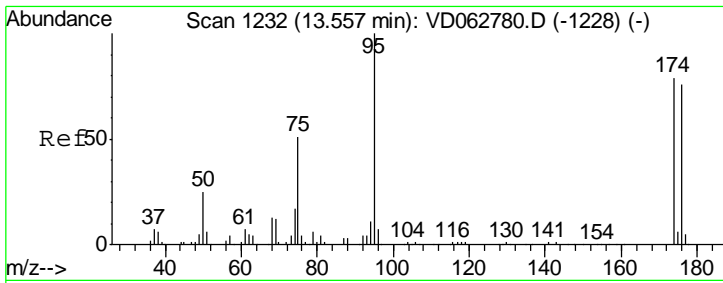
Tgt Ion: 63 Resp: 1828
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.1 33.1#



#59
 2-Hexanone
 Concen: 2.033 ug/l
 RT: 11.53 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion: 43 Resp: 1629
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.4 67.2#

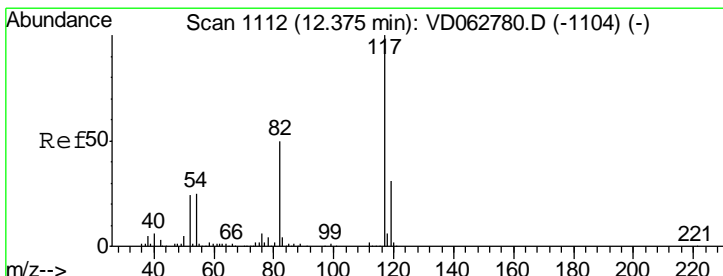
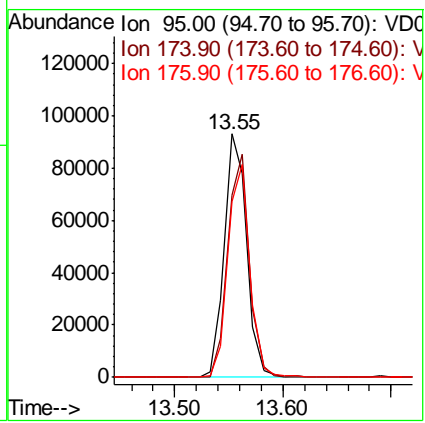
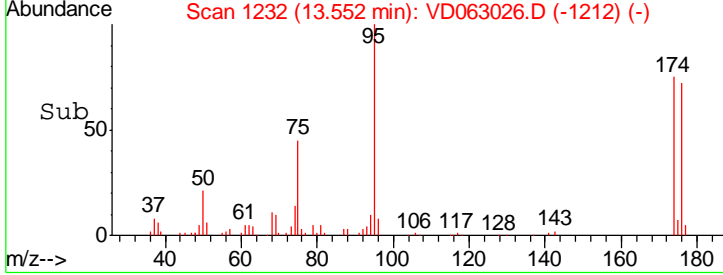
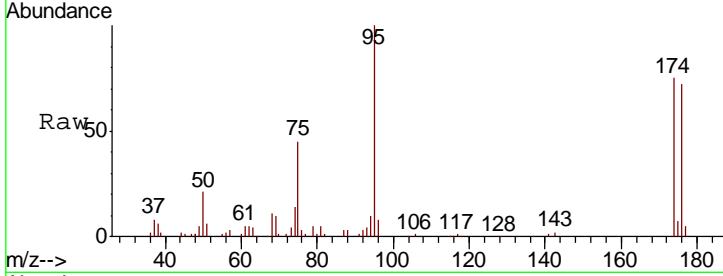




#62
 4-Bromofluorobenzene
 Concen: 50.352 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

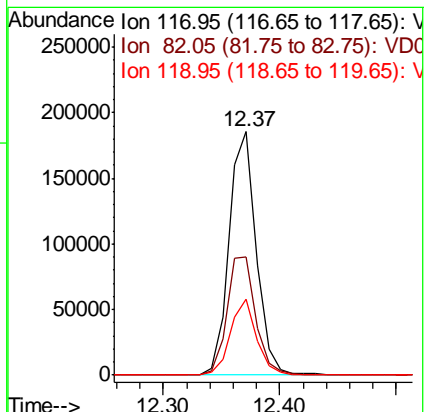
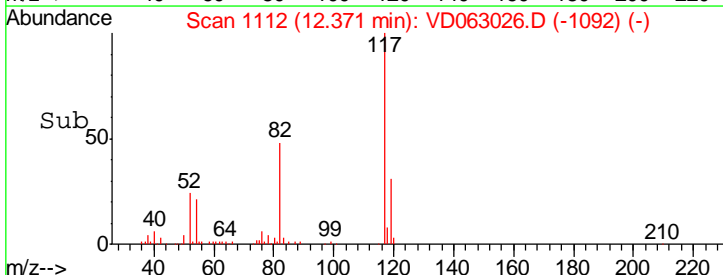
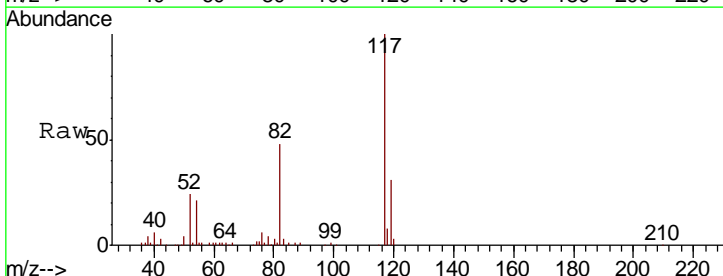
Instrument : MSVOA_D
 ClientSampled : D-2X-ROLL-OFF-2-STOCK-PILE

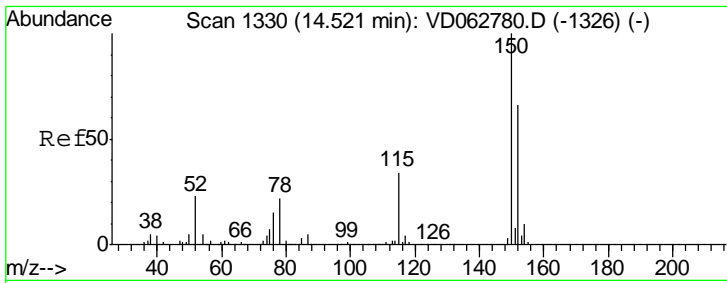
Tgt Ion	Resp	Lower	Upper
95	134330		
174	74.6	0.0	158.0
176	72.0	0.0	151.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion	Resp	Lower	Upper
117	300047		
82	48.4	40.4	60.6
119	31.2	25.2	37.8

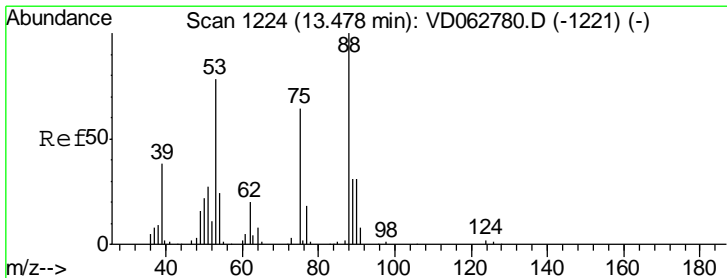
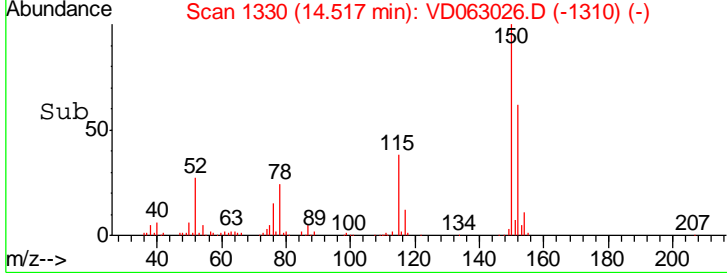
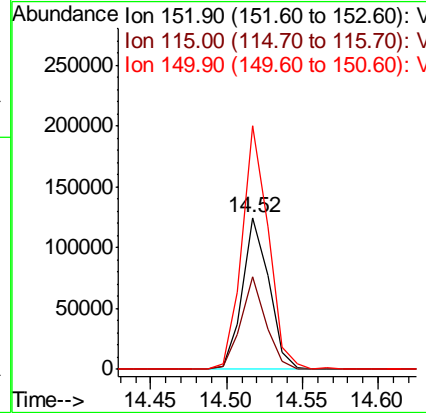
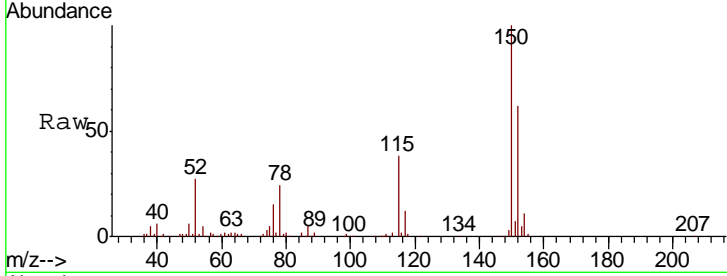




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

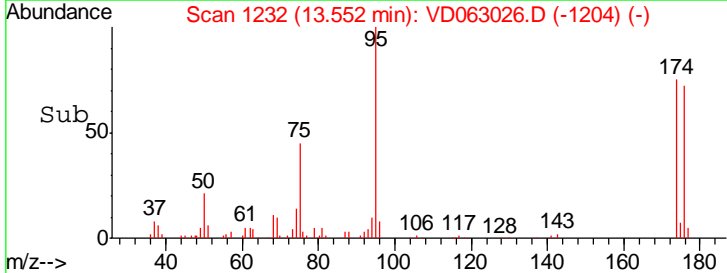
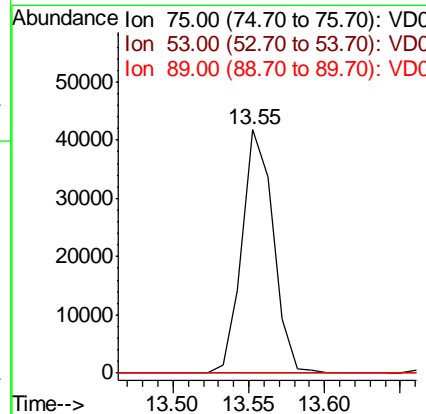
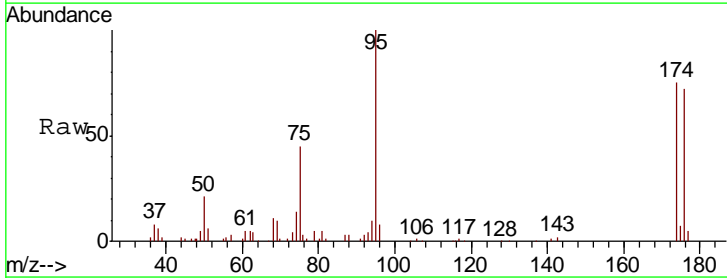
Instrument : MSVOA_D
 ClientSampled : D-2X-ROLL-OFF-2-STOCK-PILE

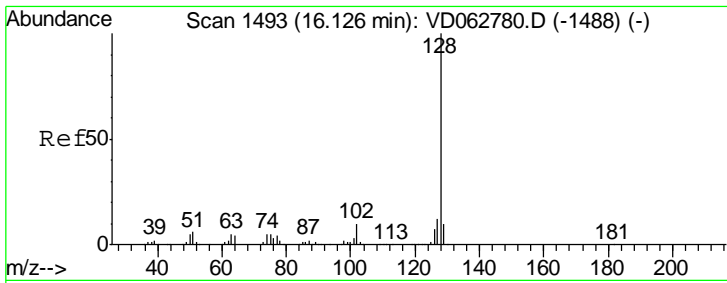
Tgt Ion	Resp	Lower	Upper
152	100		
115	60.8	29.2	87.6
150	160.4	0.0	305.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.204 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#





#95
 Naphthalene
 Concen: 1.097 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD063026.D
 Acq: 3 Jul 2019 16:04

Instrument : MSVOA_D
 ClientSampled : D-2X-ROLL-OFF-2-STOCK-PILE

Tot Ion	128	127	129
Resp:	4829		
Ion Ratio	100	19.3	0.0
Lower		9.7	8.3
Upper		14.5#	12.5#

