

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063107.D
 Acq On : 16 Jul 2019 15:31
 Operator : VA/AP
 Sample : K3776-02
 Misc : 3.34g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-A

Quant Time: Jul 17 07:36:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	579933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	840745	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	587336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	179317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	320433	44.36	ug/l	-0.01
Spiked Amount			Recovery	=	88.72%	
35) Dibromofluoromethane	6.91	113	112289	13.41	ug/l	0.00
Spiked Amount			Recovery	=	26.82%	
50) Toluene-d8	10.40	98	589680	32.78	ug/l	0.00
Spiked Amount			Recovery	=	65.56%	
62) 4-Bromofluorobenzene	13.55	95	197288	23.71	ug/l	0.00
Spiked Amount			Recovery	=	47.42%	

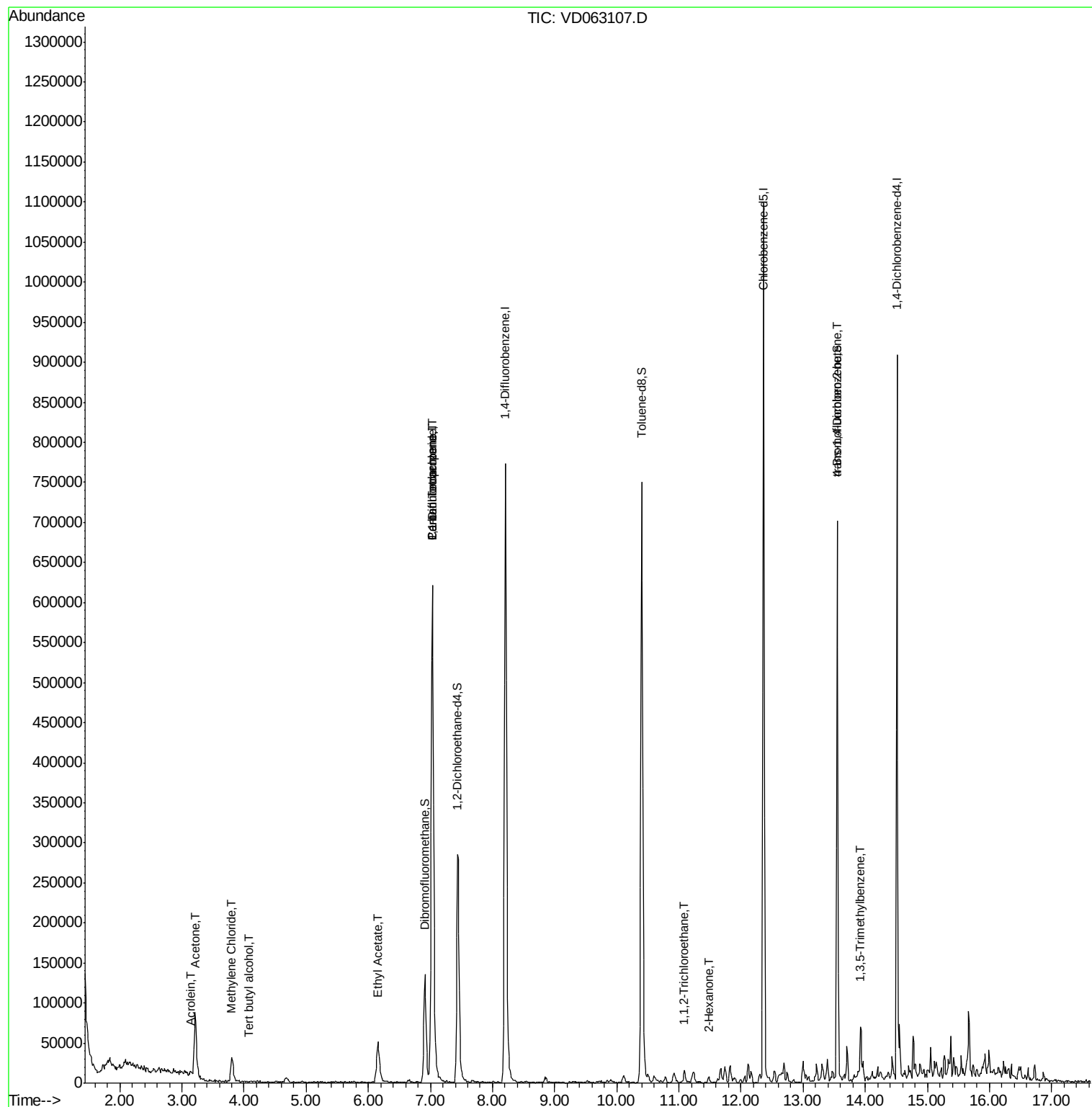
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	693	Below Cal	#	43
3) Chloromethane	1.74	50	740	Below Cal	#	48
5) Bromomethane	2.15	94	1206	Below Cal	#	30
11) Tert butyl alcohol	4.08	59	938	2.250	ug/l #	77
13) Acrolein	3.13	56	203	1.613	ug/l #	17
16) Acetone	3.21	43	166500	95.424	ug/l	96
18) Methyl Acetate	3.66	43	974	Below Cal	#	63
20) Methylene Chloride	3.79	84	21280	3.228	ug/l #	96
36) 1,1-Dichloropropene	7.03	75	45575	4.820	ug/l #	46
37) Ethyl Acetate	6.16	43	4735	1.170	ug/l #	1
38) Carbon Tetrachloride	7.03	117	59160	4.117	ug/l #	13
55) 1,1,2-Trichloroethane	11.09	97	6015	1.316	ug/l #	17
59) 2-Hexanone	11.47	43	3407	1.148	ug/l #	32
80) 1,3,5-Trimethylbenzene	13.93	105	28493	2.361	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.55	75	87448	120.387	ug/l #	1

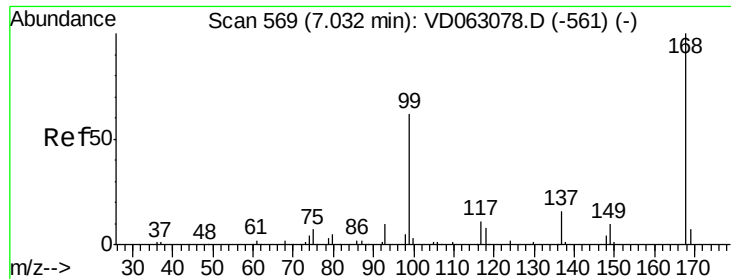
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063107.D

Acq: 16 Jul 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

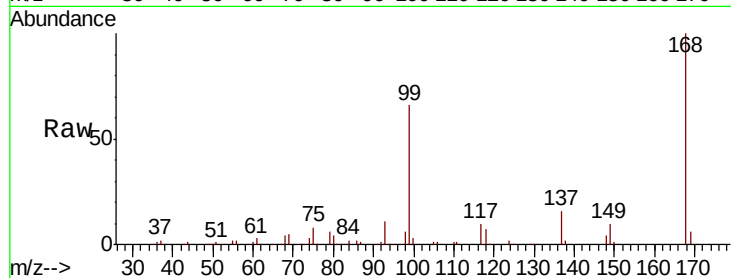
FK-SF-01-006-A

Tot Ion:168 Resp: 579933

Ion Ratio Lower Upper

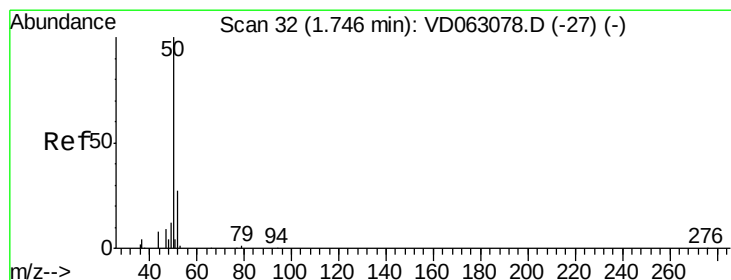
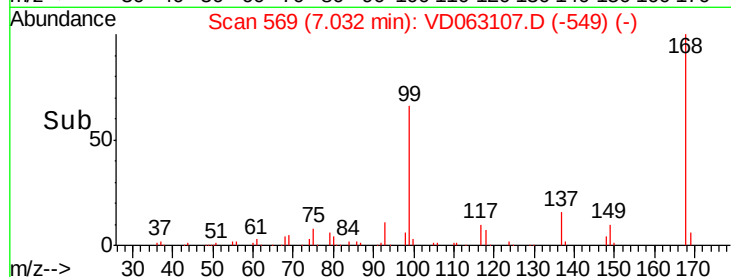
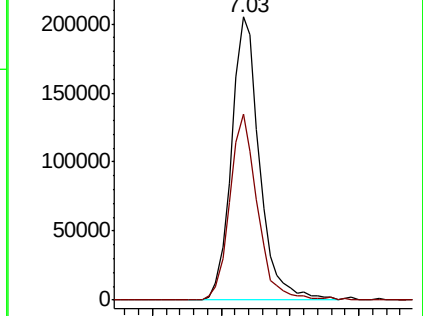
168 100

99 65.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063107.D

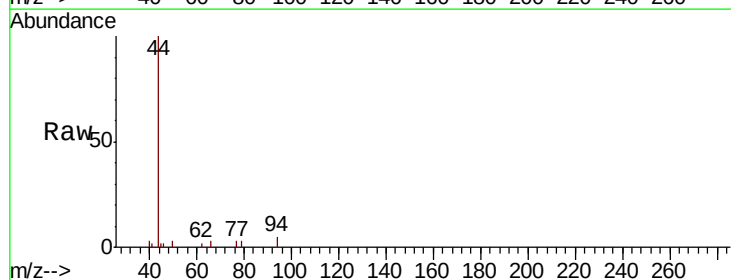
Acq: 16 Jul 2019 15:31

Tgt Ion: 50 Resp: 740

Ion Ratio Lower Upper

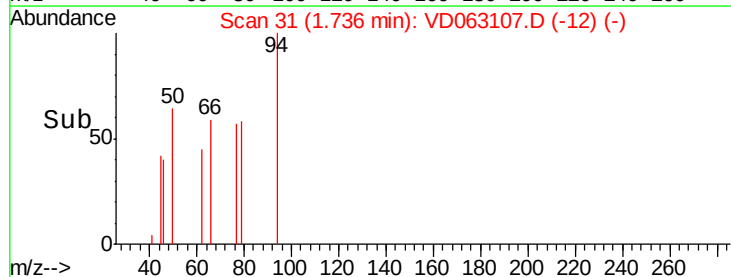
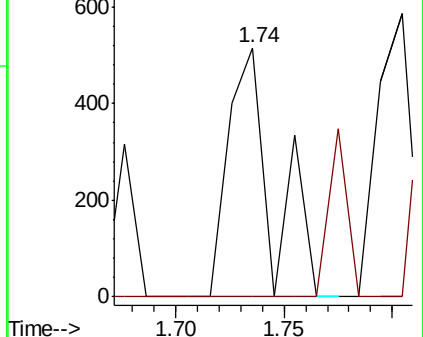
50 100

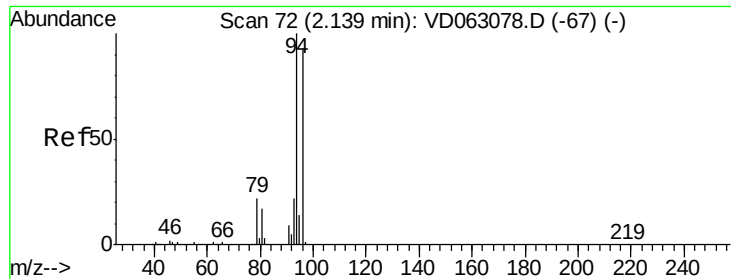
52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063107.D

Acq: 16 Jul 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-A

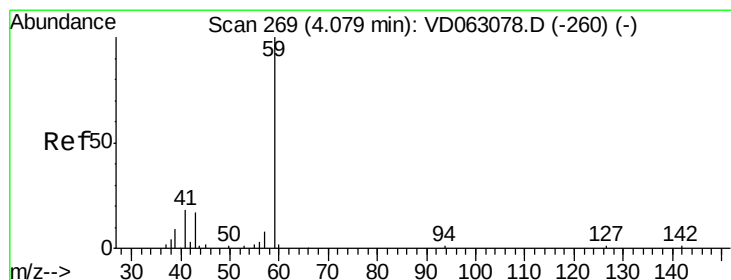
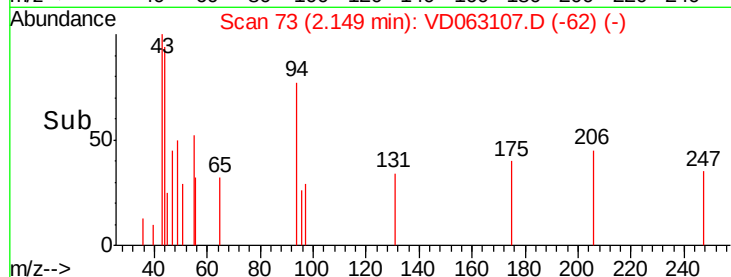
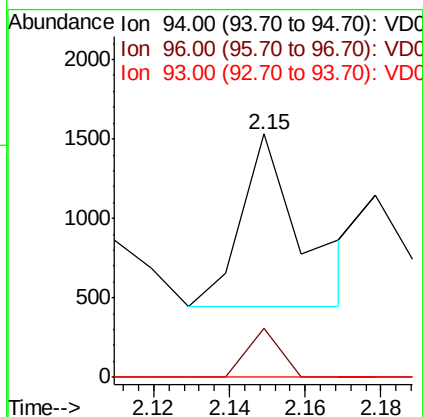
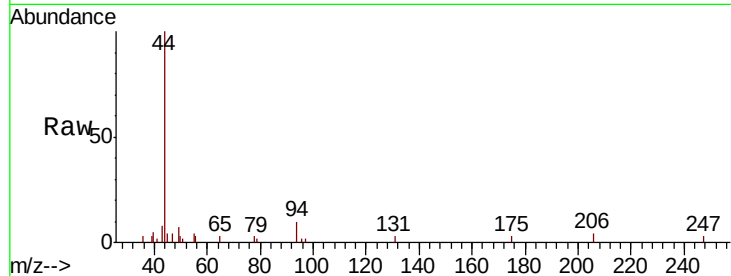
Tot Ion: 94 Resp: 1206

Ion Ratio Lower Upper

94 100

96 20.2 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 2.250 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.00 min

Lab File: VD063107.D

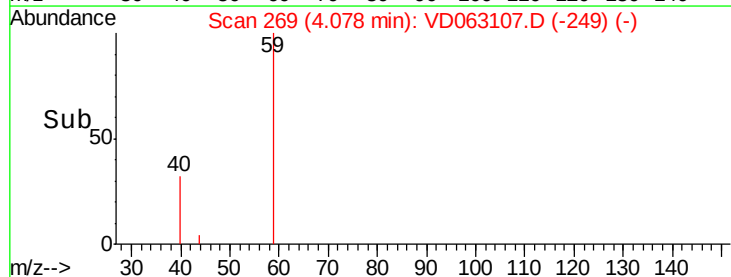
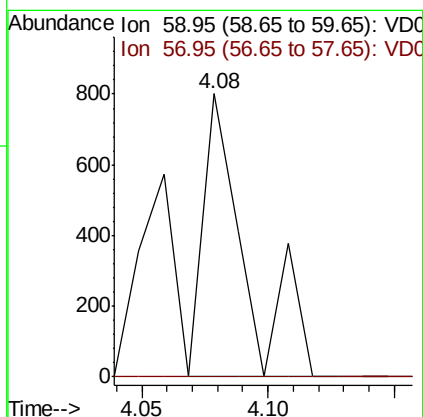
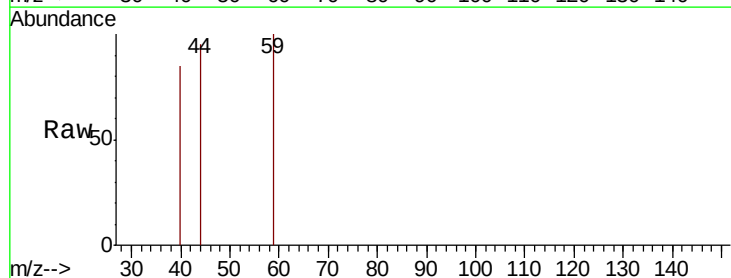
Acq: 16 Jul 2019 15:31

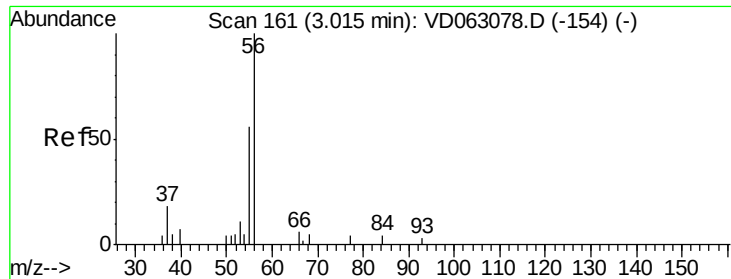
Tgt Ion: 59 Resp: 938

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 1.613 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.12 min

Lab File: VD063107.D

Acq: 16 Jul 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

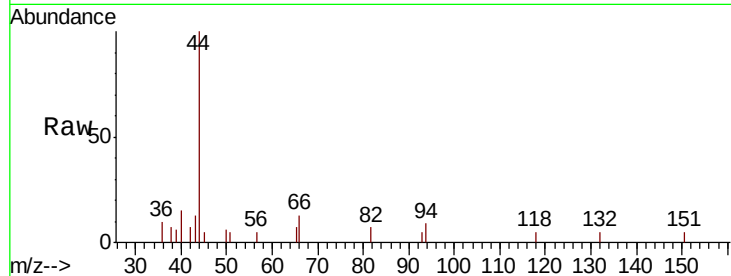
FK-SF-01-006-A

Tot Ion: 56 Resp: 203

Ion Ratio Lower Upper

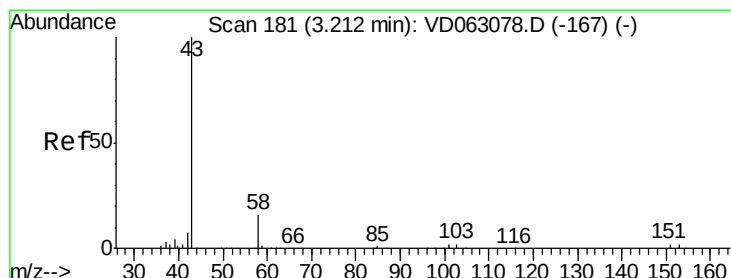
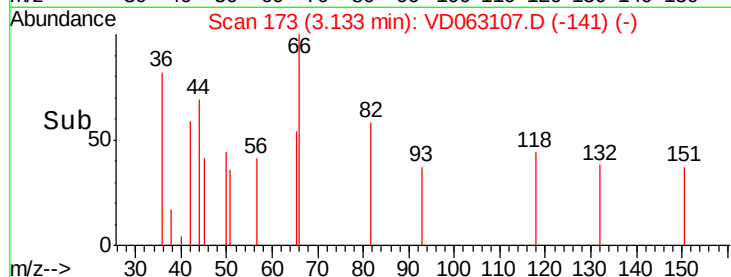
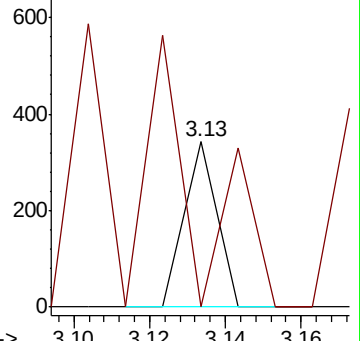
56 100

55 0.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 95.424 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063107.D

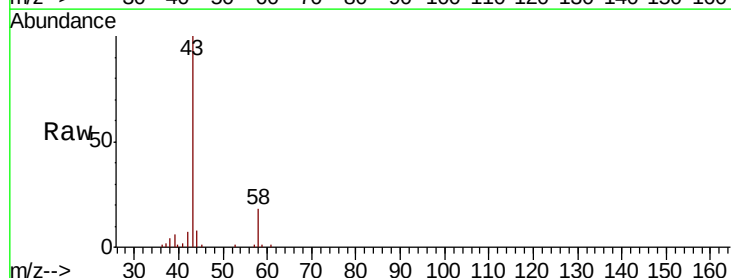
Acq: 16 Jul 2019 15:31

Tgt Ion: 43 Resp: 166500

Ion Ratio Lower Upper

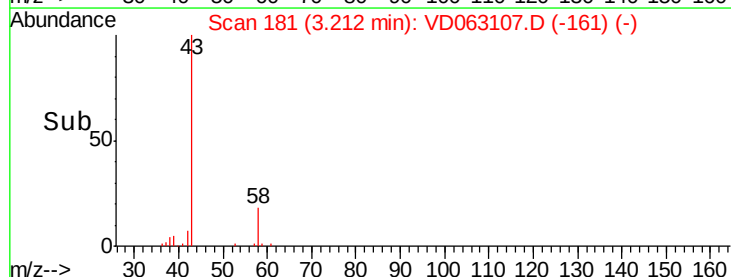
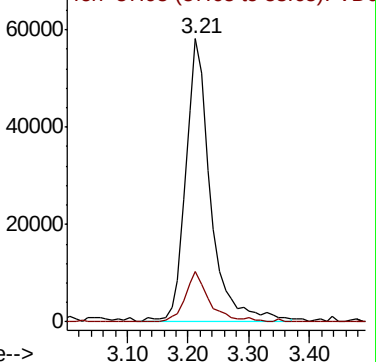
43 100

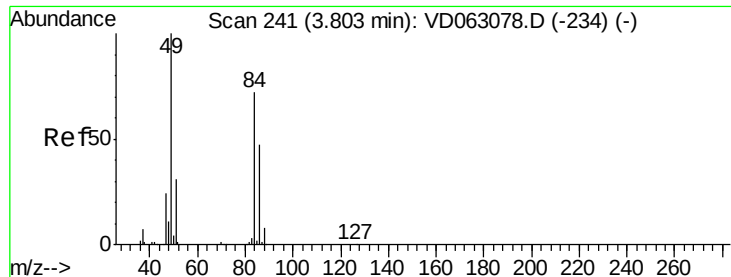
58 17.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

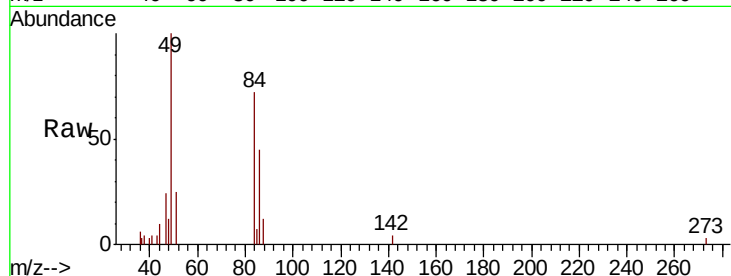




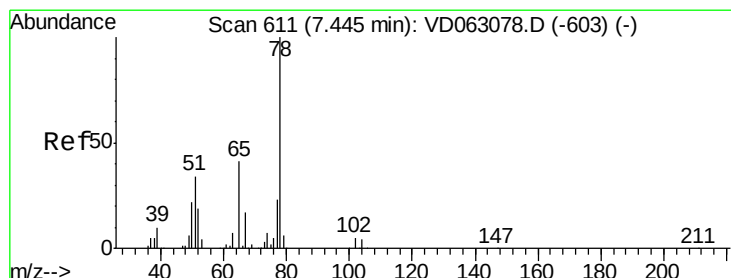
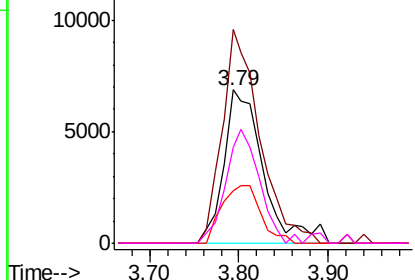
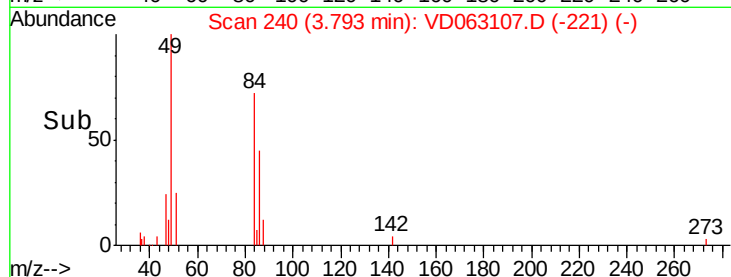
#20
Methylene Chloride
Concen: 3.228 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD063107.D
Acq: 16 Jul 2019 15:31

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-006-A

Tot Ion: 84 Resp: 21280
Ion Ratio Lower Upper
84 100
49 139.4 110.5 165.7
51 34.4 34.6 51.8#
86 62.4 51.6 77.4

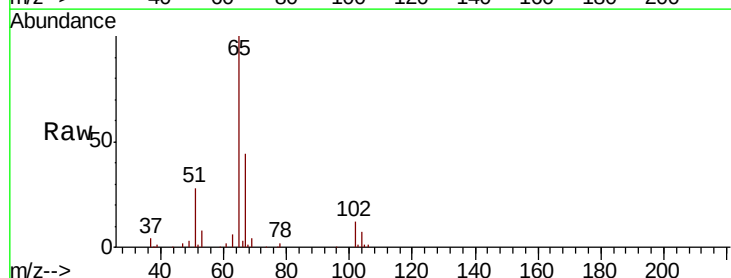


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

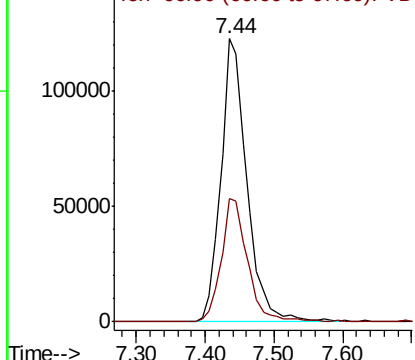
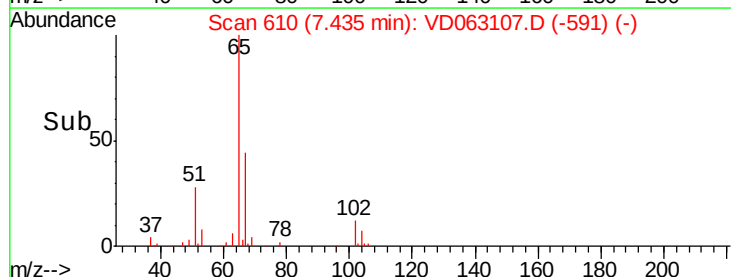


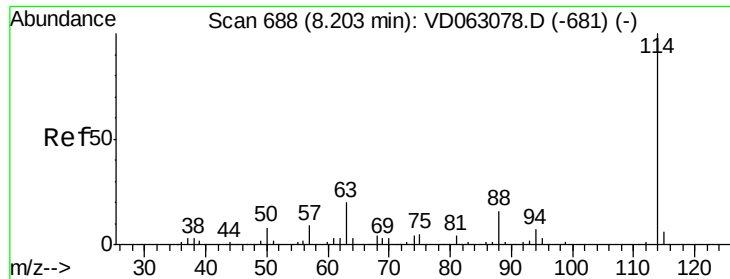
#33
1,2-Dichloroethane-d4
Concen: 44.356 ug/l
RT: 7.44 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063107.D
Acq: 16 Jul 2019 15:31

Tgt Ion: 65 Resp: 320433
Ion Ratio Lower Upper
65 100
67 43.6 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

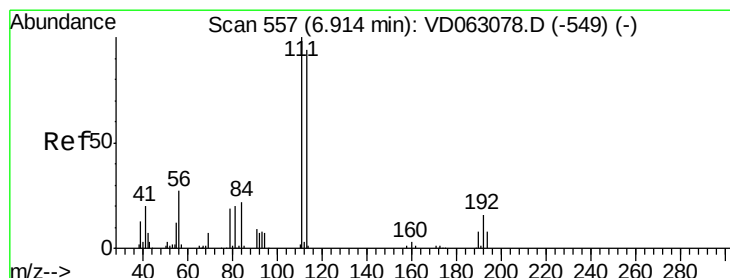
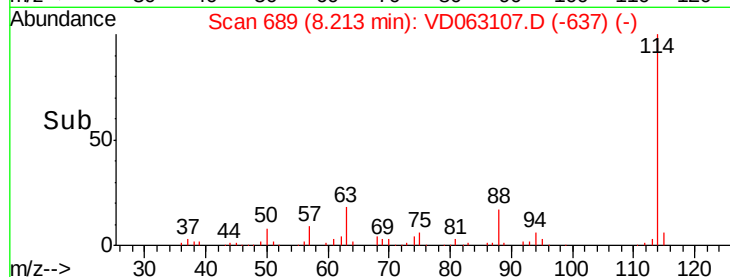
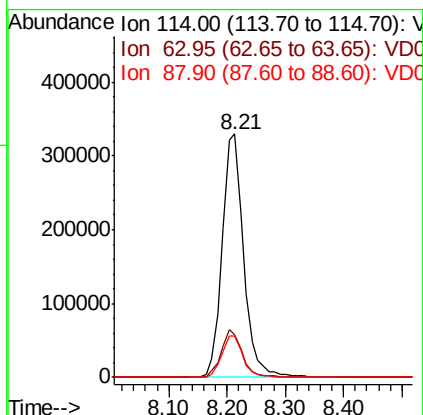
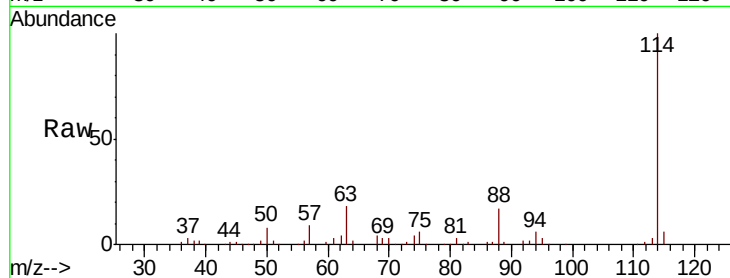




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063107.D
 Acq: 16 Jul 2019 15:31

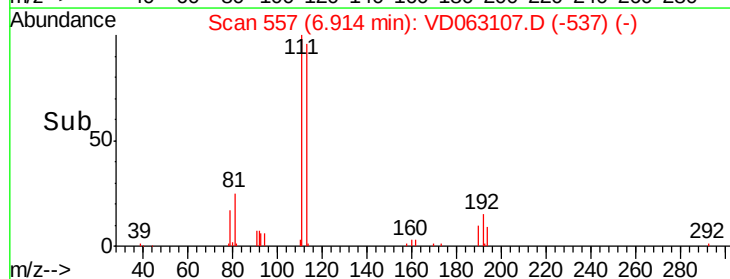
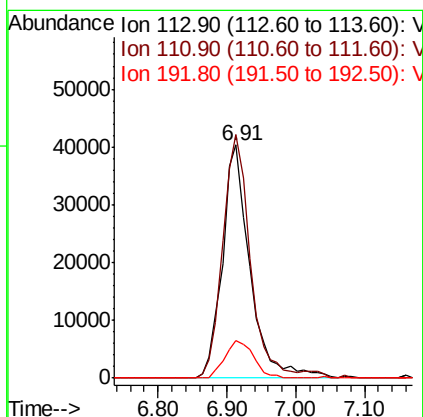
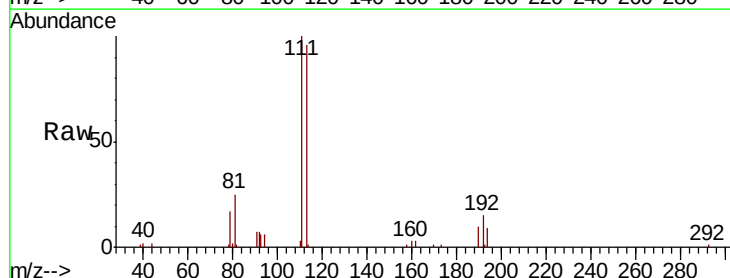
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-A

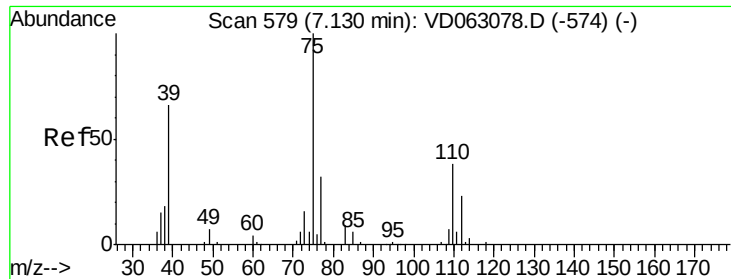
Tot Ion:114 Resp: 840745
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 40.6
 88 17.0 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 13.409 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063107.D
 Acq: 16 Jul 2019 15:31

Tgt Ion:113 Resp: 112289
 Ion Ratio Lower Upper
 113 100
 111 104.6 84.8 127.2
 192 15.9 13.4 20.0

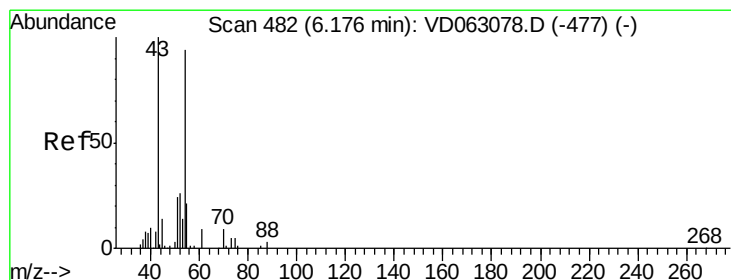
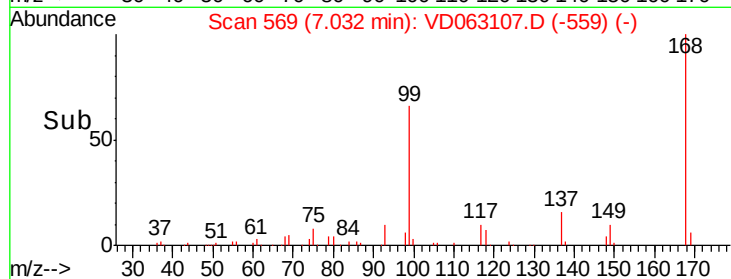
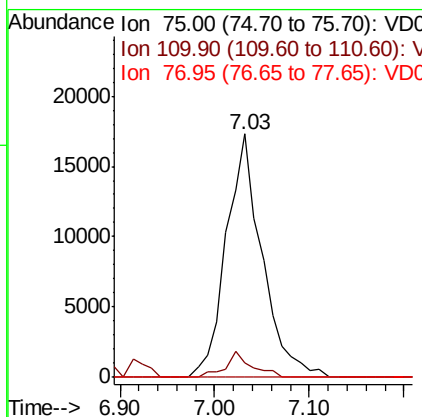
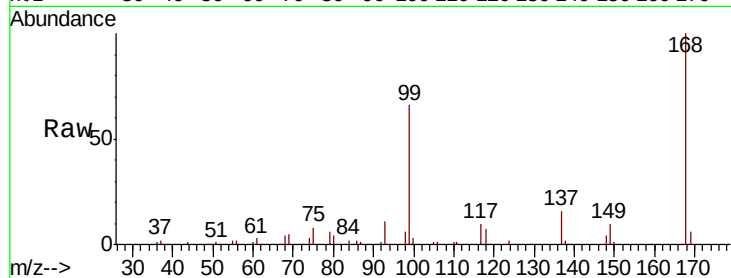




#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063107.D
 Acq: 16 Jul 2019 15:31

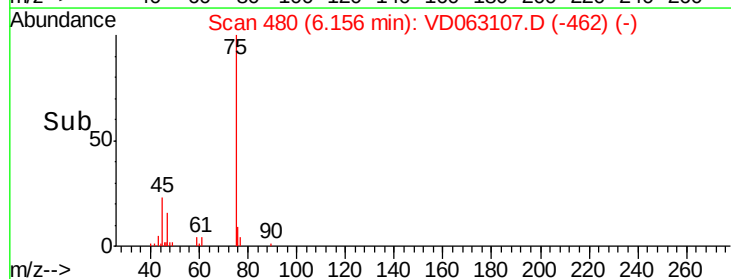
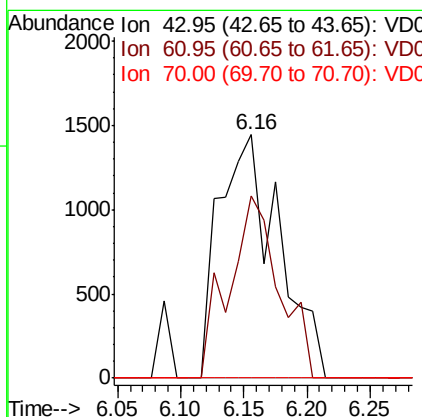
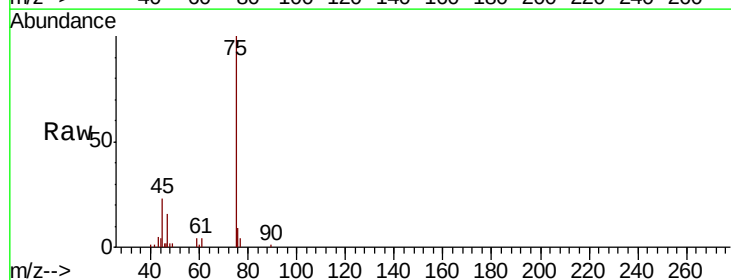
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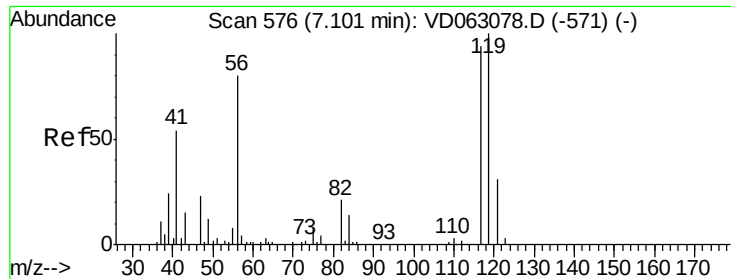
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.2	18.9	56.5#
77	0.0	25.2	37.8#



#37
 Ethyl Acetate
 Concen: 1.170 ug/l
 RT: 6.16 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD063107.D
 Acq: 16 Jul 2019 15:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	74.7	10.6	16.0#
70	0.0	6.6	9.8#

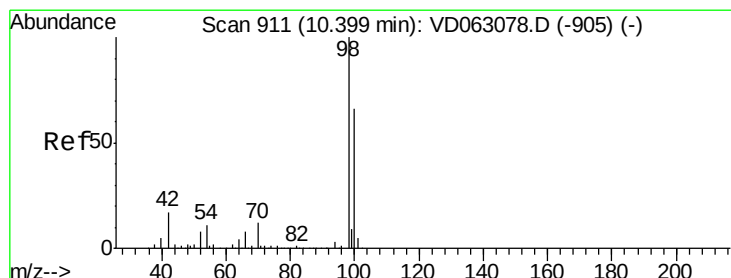
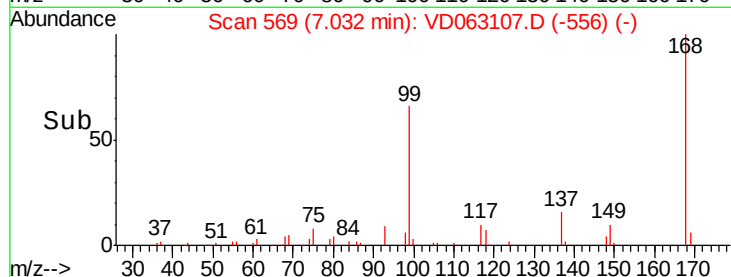
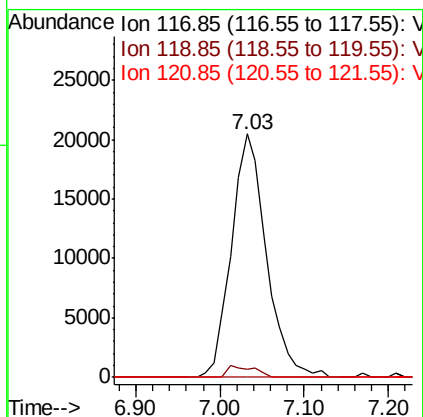
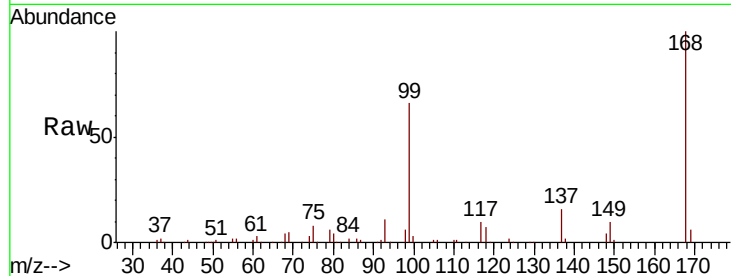




#38
Carbon Tetrachloride
Concen: 4.117 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063107.D
Acq: 16 Jul 2019 15:31

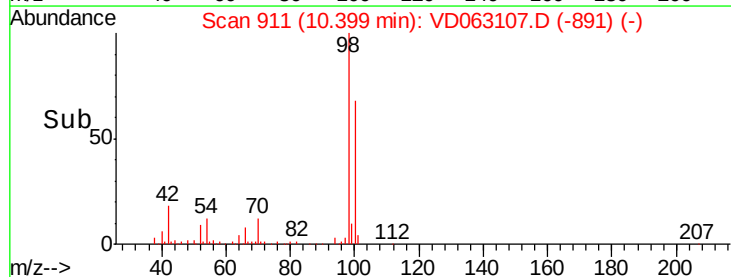
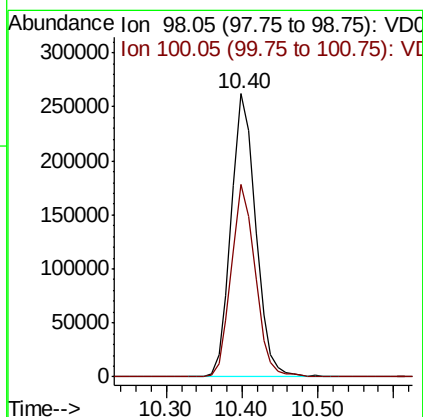
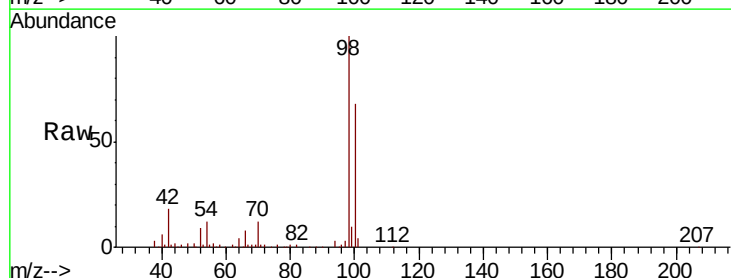
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-006-A

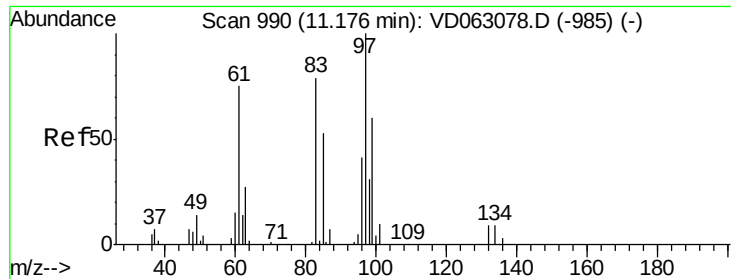
Tot Ion:117 Resp: 59160
Ion Ratio Lower Upper
117 100
119 3.1 80.0 120.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 32.783 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063107.D
Acq: 16 Jul 2019 15:31

Tgt Ion: 98 Resp: 589680
Ion Ratio Lower Upper
98 100
100 67.8 53.5 80.3

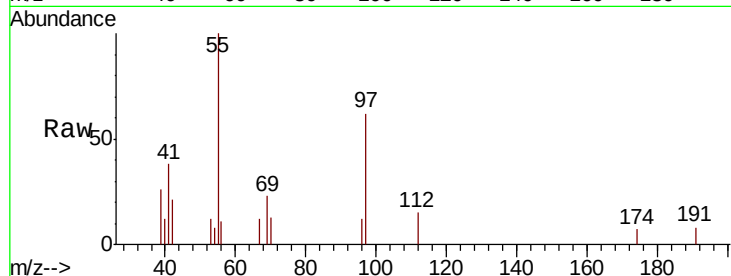




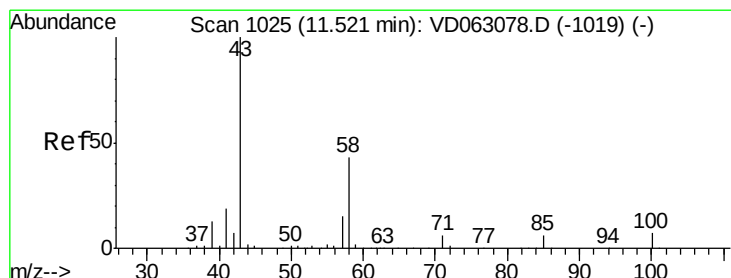
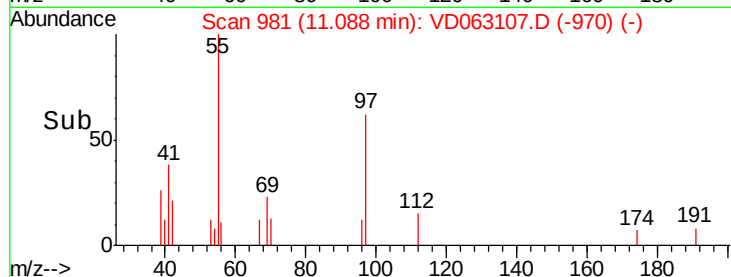
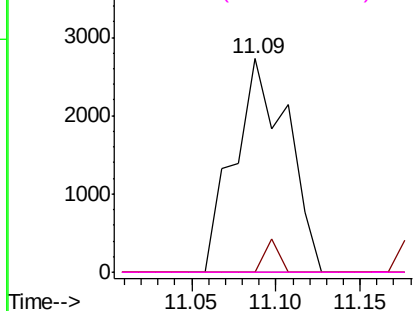
#55
 1,1,2-Trichloroethane
 Concen: 1.316 ug/l
 RT: 11.09 min Scan# 981
 Delta R.T. -0.09 min
 Lab File: VD063107.D
 Acq: 16 Jul 2019 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-A

Tot Ion: 97 Resp: 6015
 Ion Ratio Lower Upper
 97 100
 83 0.0 63.2 94.8#
 85 0.0 42.0 63.0#
 99 0.0 48.3 72.5#

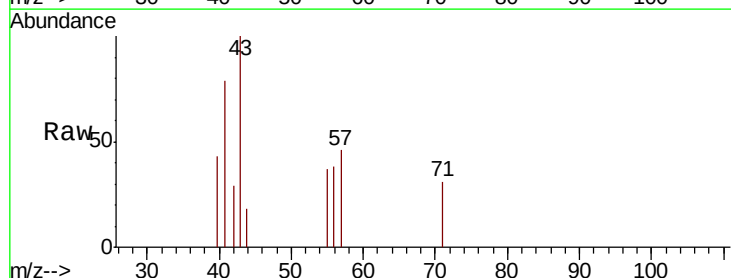


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

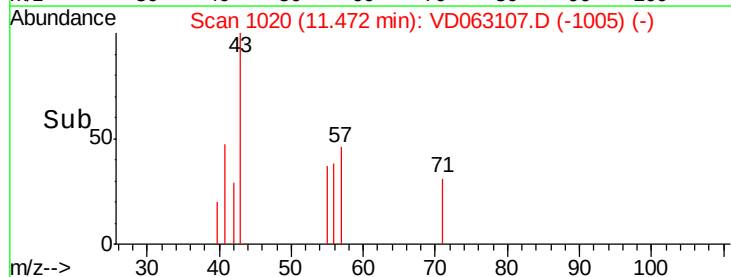
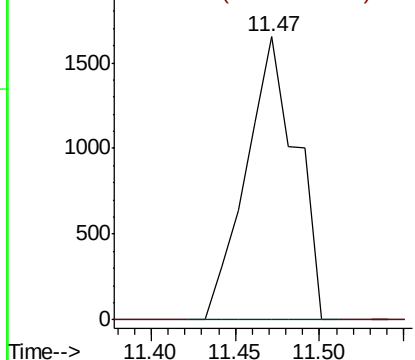


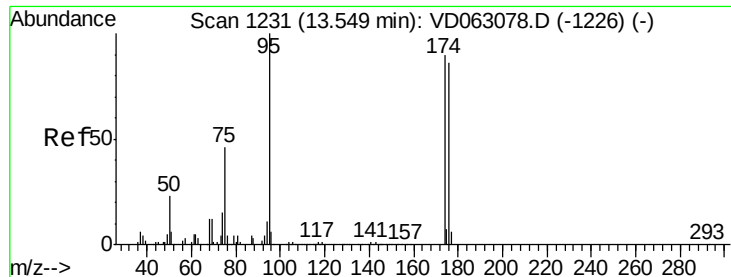
#59
 2-Hexanone
 Concen: 1.148 ug/l
 RT: 11.47 min Scan# 1020
 Delta R.T. -0.05 min
 Lab File: VD063107.D
 Acq: 16 Jul 2019 15:31

Tgt Ion: 43 Resp: 3407
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.7 65.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

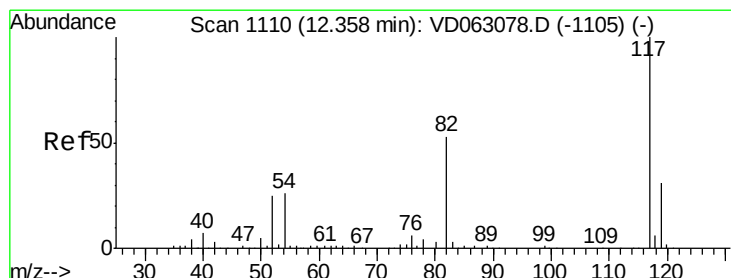
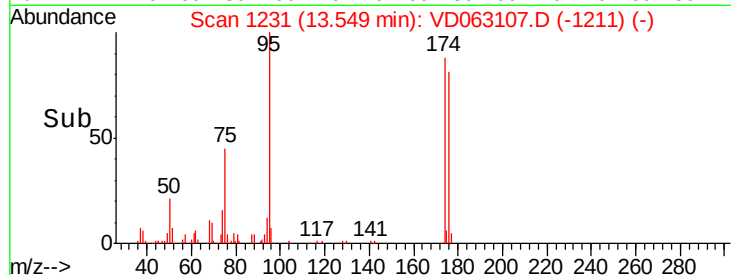
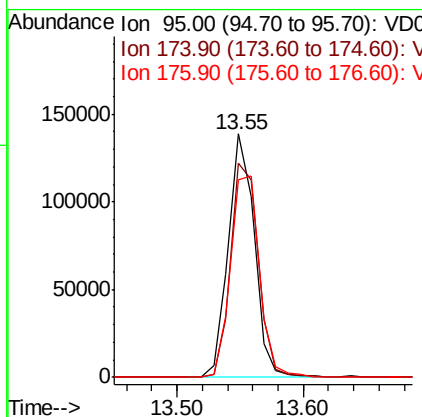
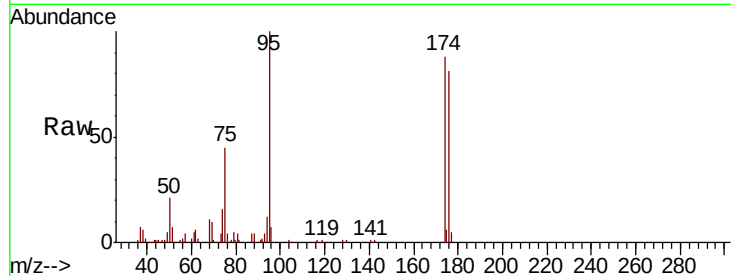




#62
4-Bromofluorobenzene
Concen: 23.708 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063107.D
Acq: 16 Jul 2019 15:31

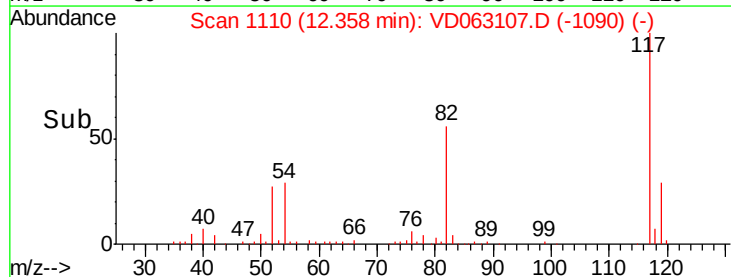
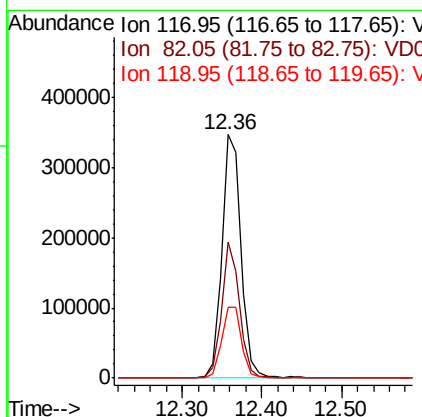
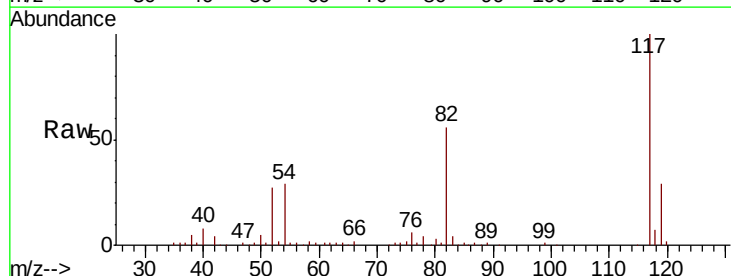
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-006-A

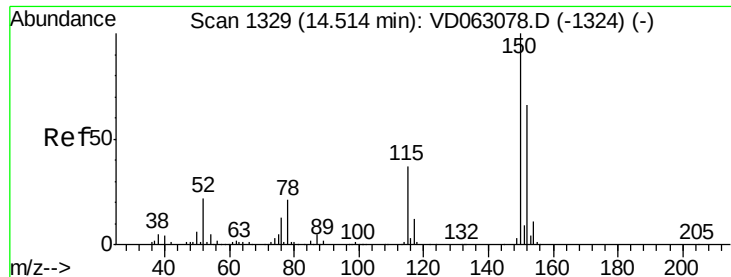
Tot Ion: 95 Resp: 197288
Ion Ratio Lower Upper
95 100
174 87.8 0.0 180.6
176 80.9 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063107.D
Acq: 16 Jul 2019 15:31

Tgt Ion: 117 Resp: 587336
Ion Ratio Lower Upper
117 100
82 55.8 42.3 63.5
119 29.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063107.D

Acq: 16 Jul 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-A

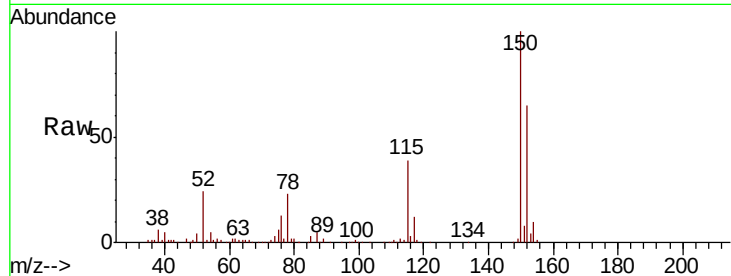
Tot Ion:152 Resp: 179317

Ion Ratio Lower Upper

152 100

115 60.4 28.9 86.8

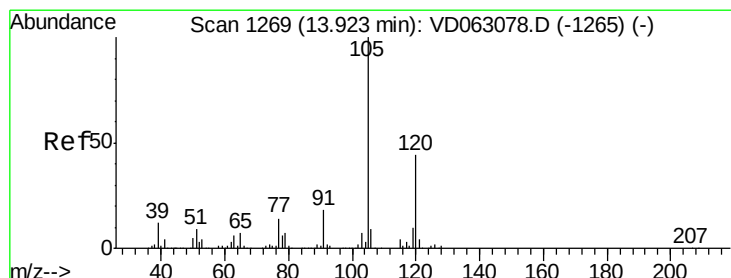
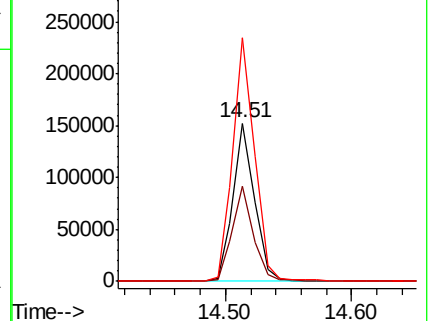
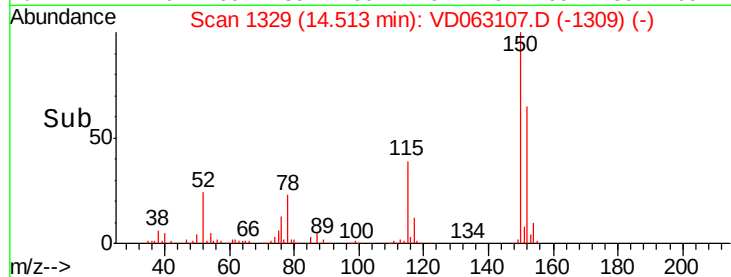
150 153.7 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.361 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063107.D

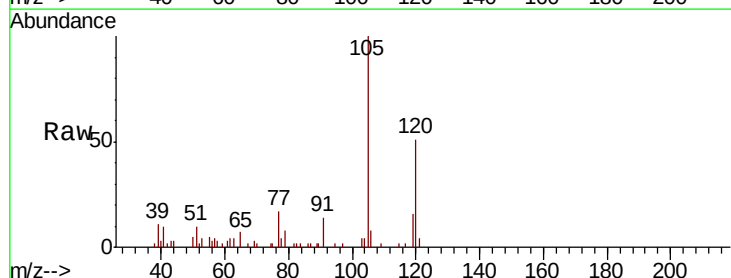
Acq: 16 Jul 2019 15:31

Tgt Ion:105 Resp: 28493

Ion Ratio Lower Upper

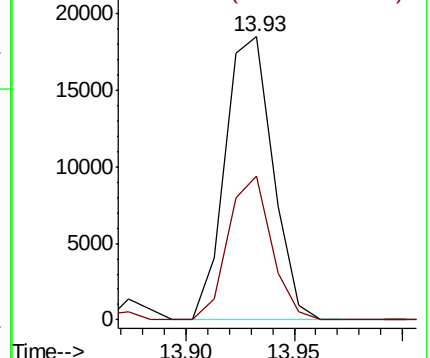
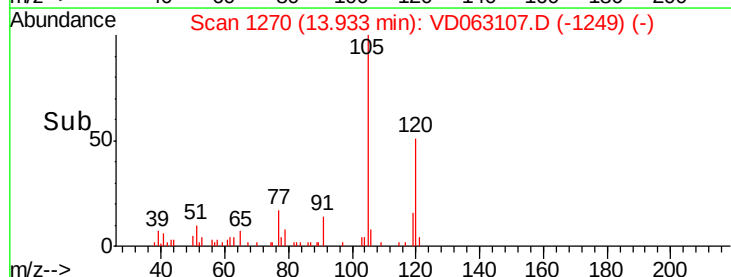
105 100

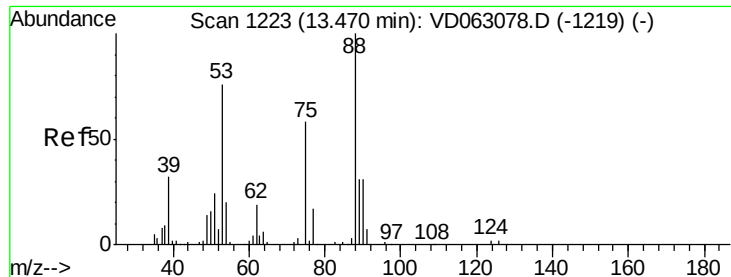
120 50.8 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 120.387 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063107.D

Acq: 16 Jul 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-A

Tot Ion: 75 Resp: 87448

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

