

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063968.D
 Acq On : 15 Oct 2019 13:27
 Operator : VA/SY
 Sample : K5358-02
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190897-AMENDED-COMP-KM-CA

Quant Time: Oct 16 03:10:37 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

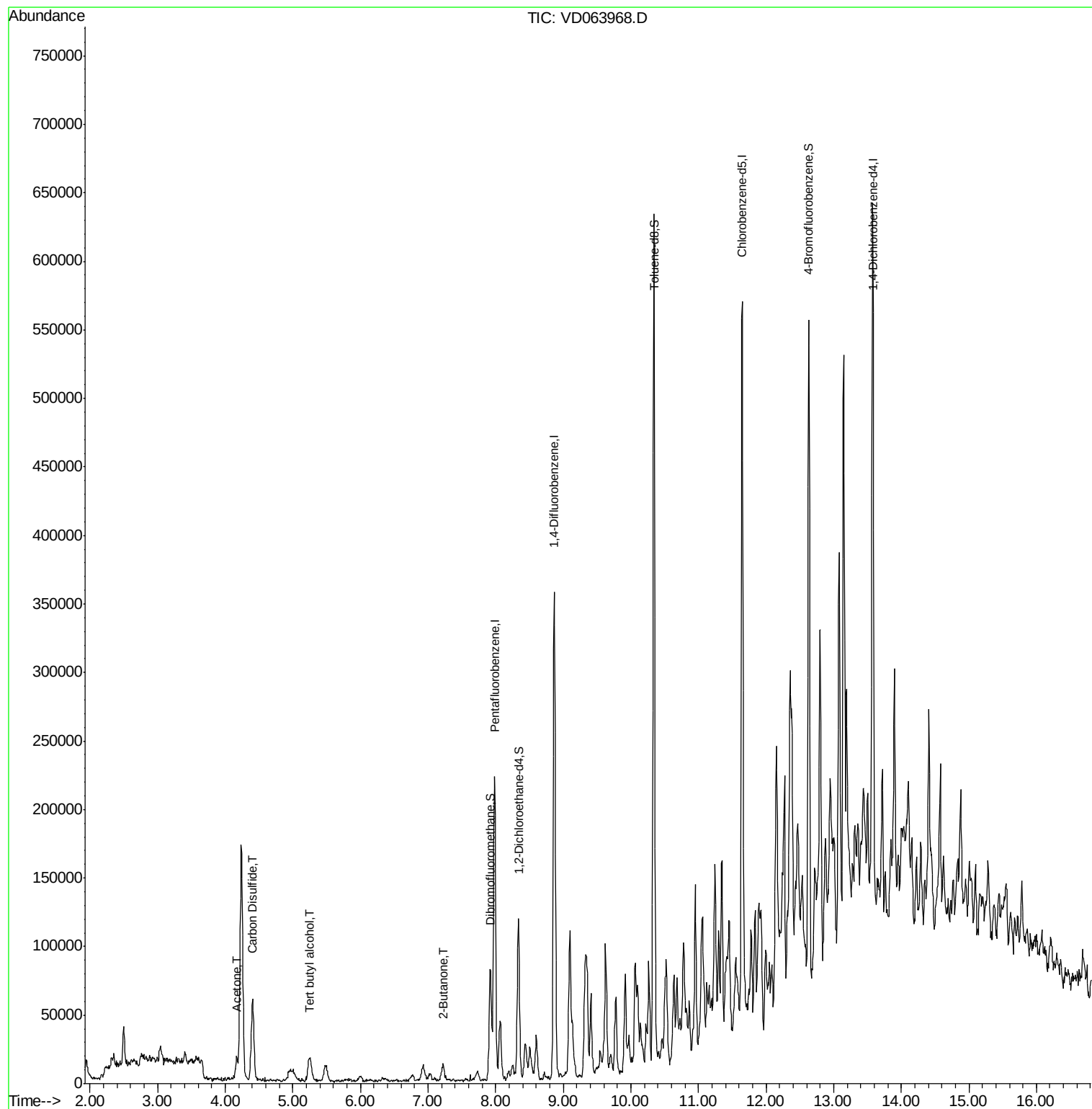
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	169177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	309580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141201	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	90930	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	7.92	113	56131	29.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.34%	
50) Toluene-d8	10.34	98	397053	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.63	95	131464	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
Target Compounds						
11) Tert butyl alcohol	5.25	59	33964	298.375	ug/l #	87
16) Acetone	4.17	43	28662	66.839	ug/l	93
17) Carbon Disulfide	4.40	76	122266	23.723	ug/l #	93
25) 2-Butanone	7.23	43	8329	16.389	ug/l	96

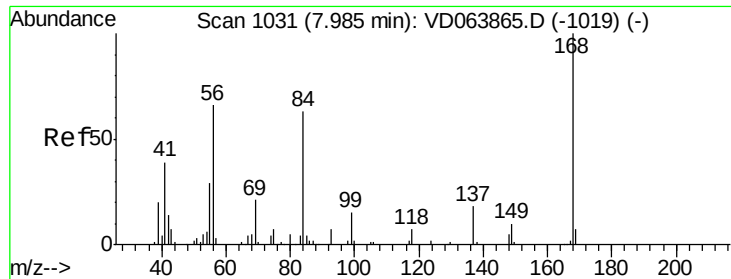
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063968.D

Acq: 15 Oct 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

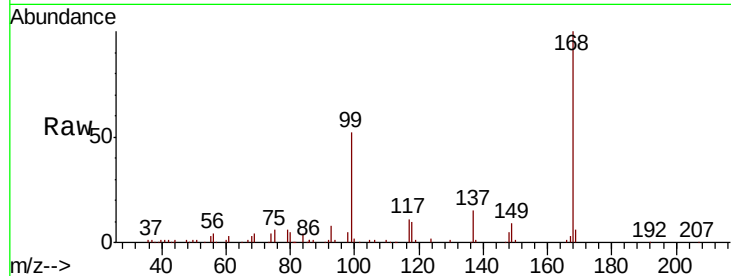
20190897-AMENDED-COMP-KM-CA

Tot Ion:168 Resp: 169177

Ion Ratio Lower Upper

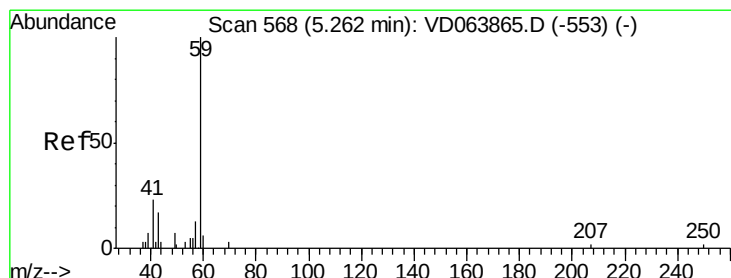
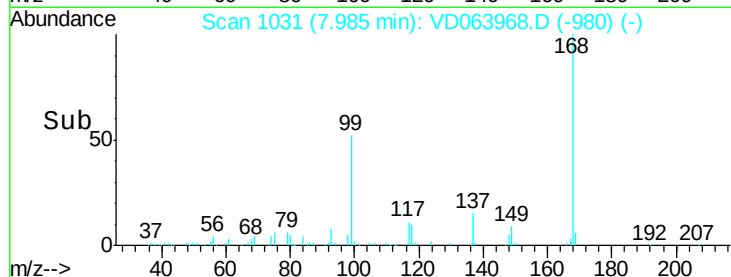
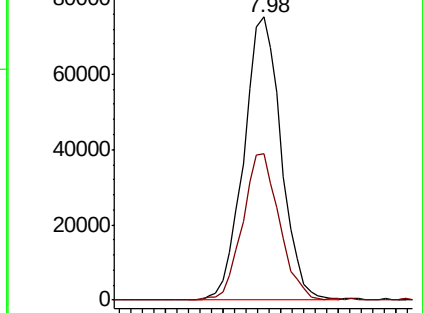
168 100

99 51.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 298.375 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD063968.D

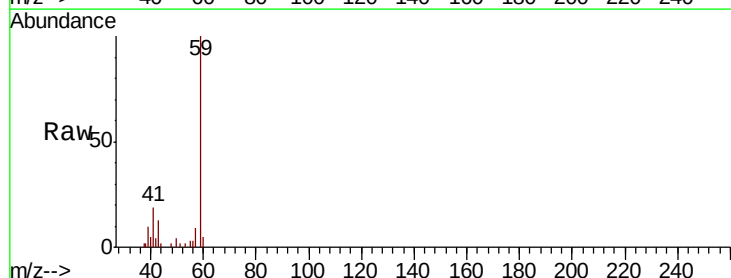
Acq: 15 Oct 2019 13:27

Tgt Ion: 59 Resp: 33964

Ion Ratio Lower Upper

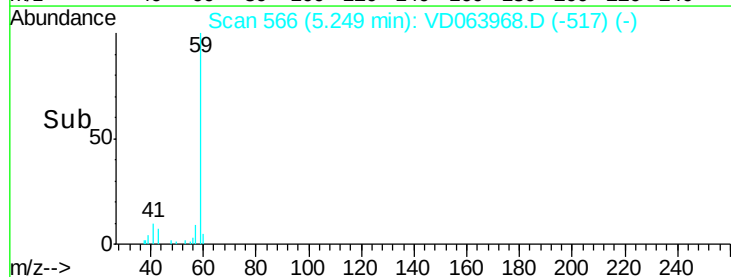
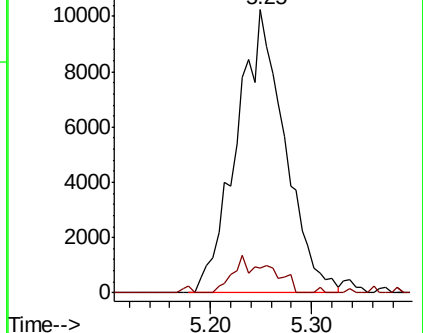
59 100

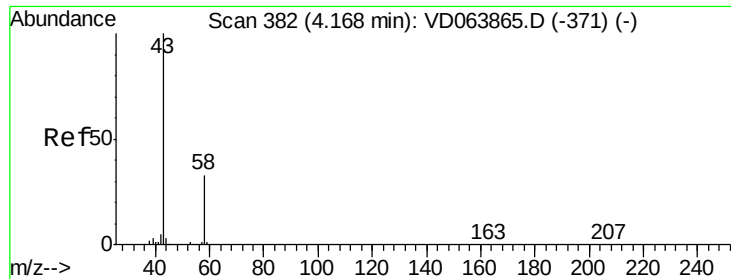
57 6.2 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 66.839 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063968.D

Acq: 15 Oct 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

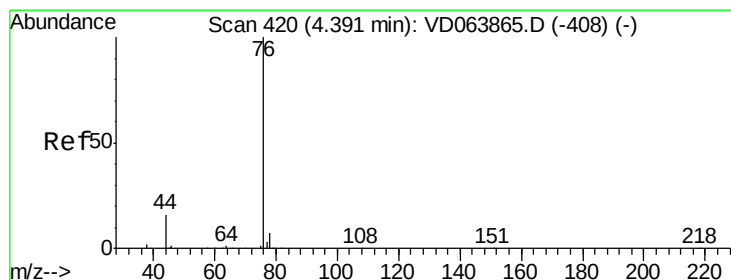
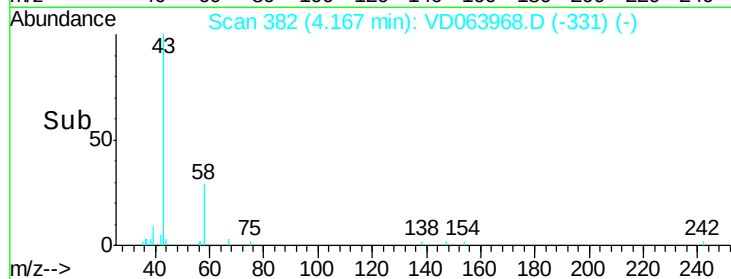
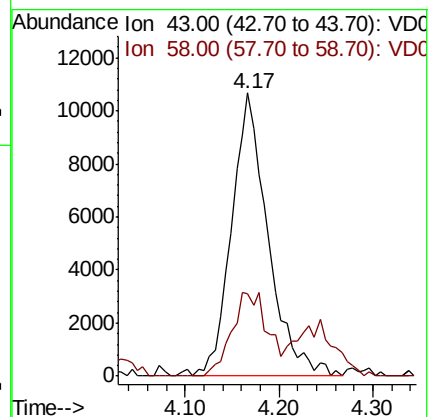
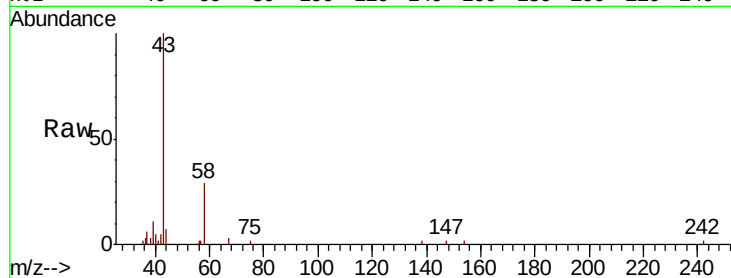
20190897-AMENDED-COMP-KM-CA

Tot Ion: 43 Resp: 28662

Ion Ratio Lower Upper

43 100

58 29.1 26.2 39.4



#17

Carbon Disulfide

Concen: 23.723 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063968.D

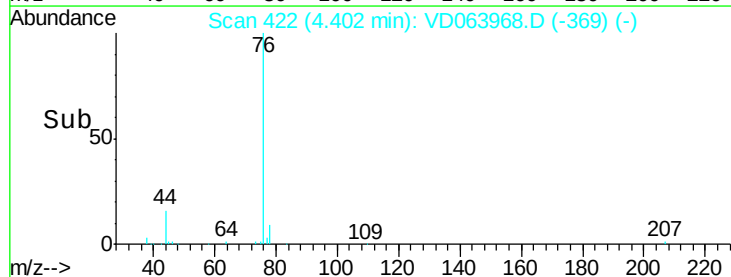
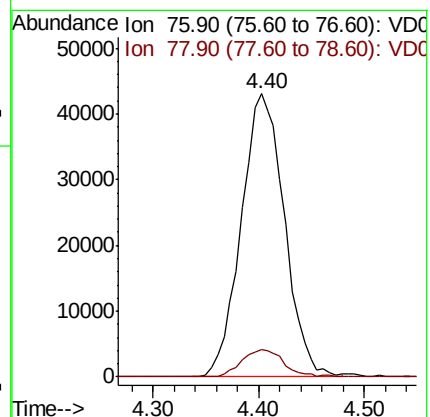
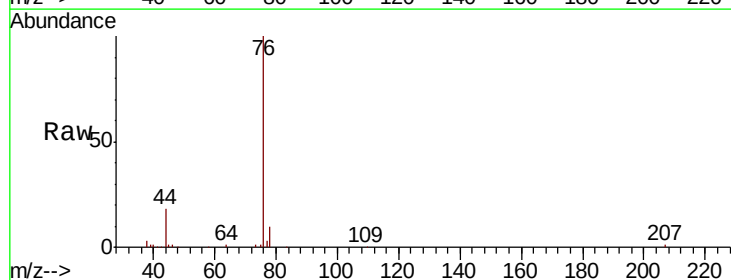
Acq: 15 Oct 2019 13:27

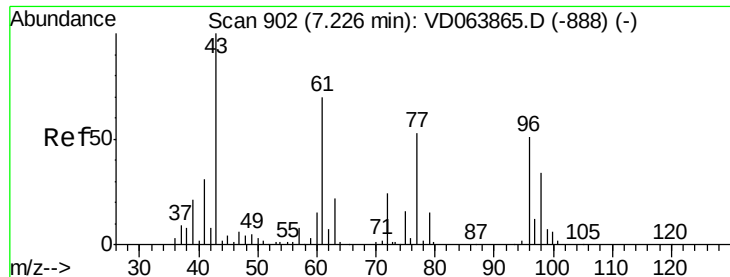
Tgt Ion: 76 Resp: 122266

Ion Ratio Lower Upper

76 100

78 9.6 5.8 8.8#





#25

2-Butanone

Concen: 16.389 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063968.D

Acq: 15 Oct 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

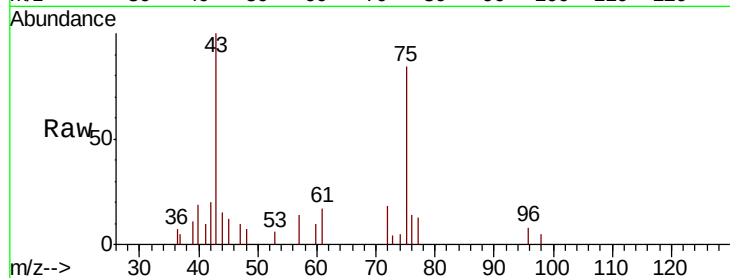
20190897-AMENDED-COMP-KM-CA

Tot Ion: 43 Resp: 8329

Ion Ratio Lower Upper

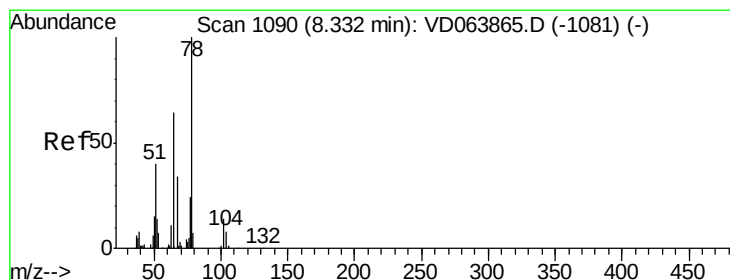
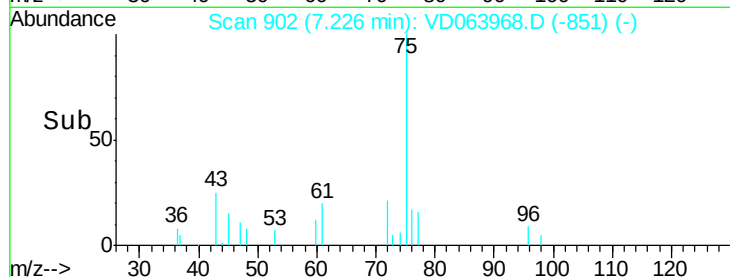
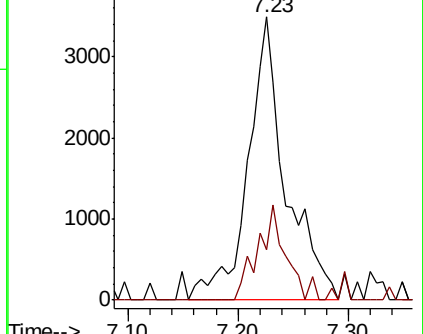
43 100

72 22.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.207 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063968.D

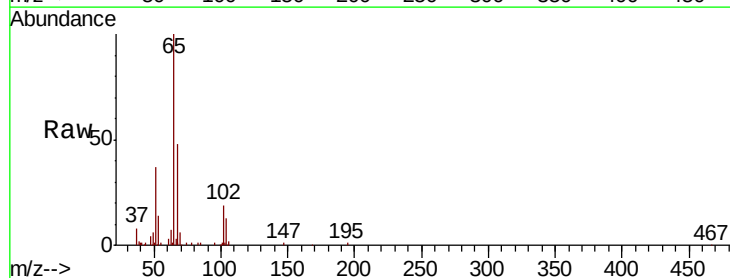
Acq: 15 Oct 2019 13:27

Tgt Ion: 65 Resp: 90930

Ion Ratio Lower Upper

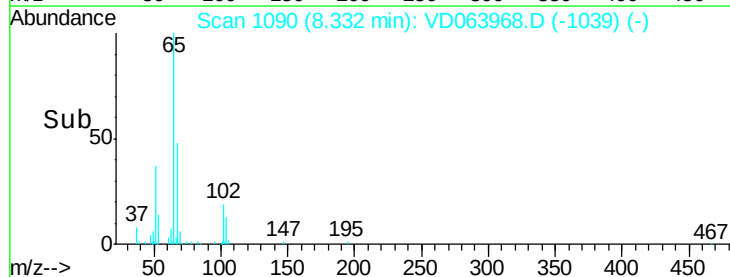
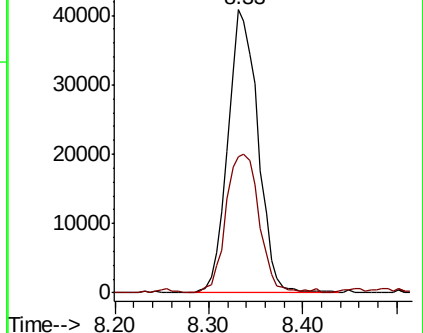
65 100

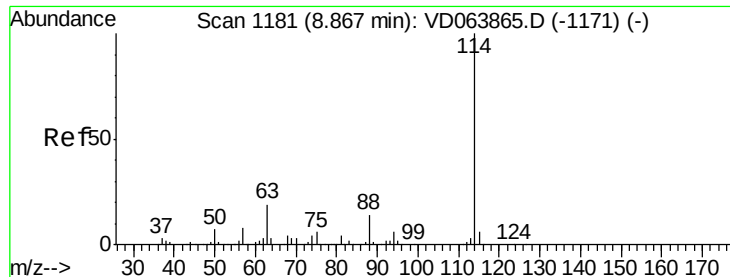
67 53.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

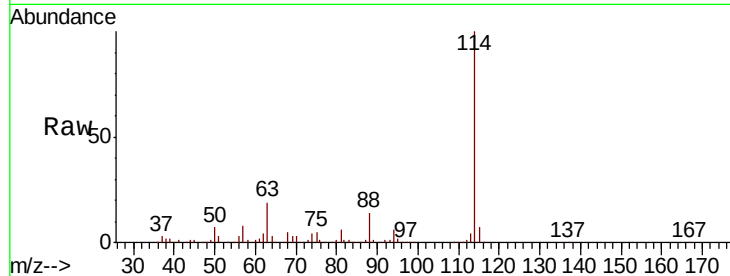




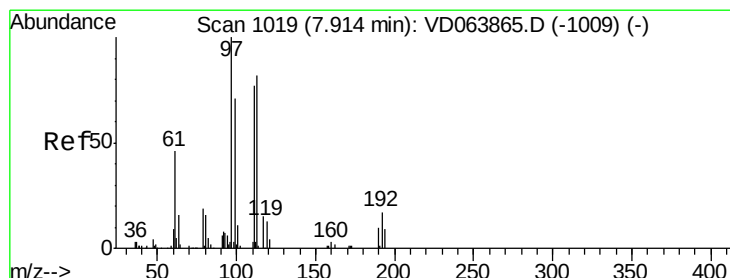
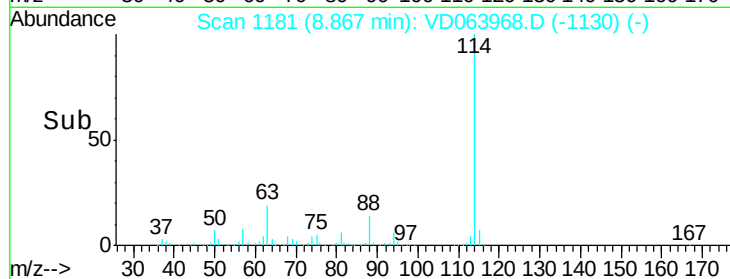
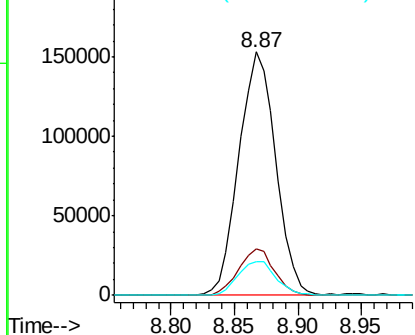
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063968.D
 Acq: 15 Oct 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 20190897-AMENDED-COMP-KM-CA

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	13.9	0.0	27.4

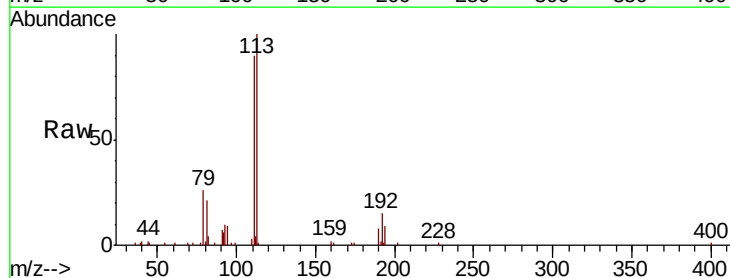


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

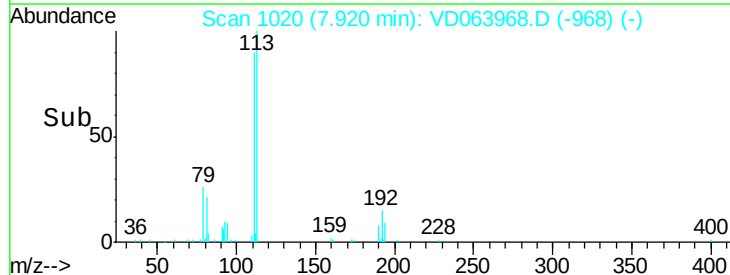
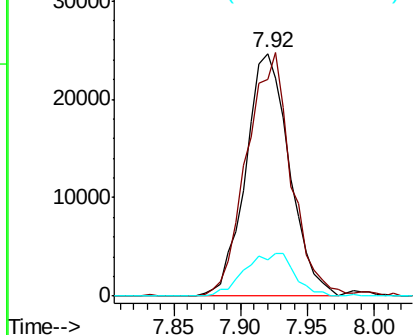


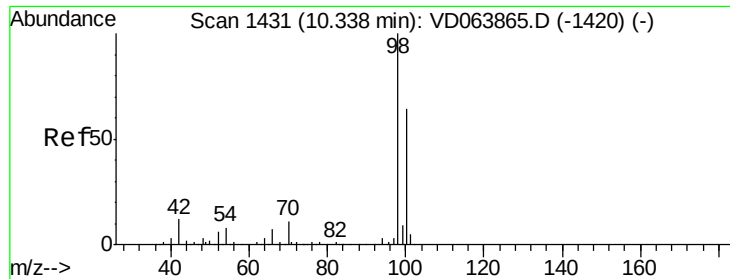
#35
 Dibromofluoromethane
 Concen: 29.669 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063968.D
 Acq: 15 Oct 2019 13:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	20.2	17.1	25.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

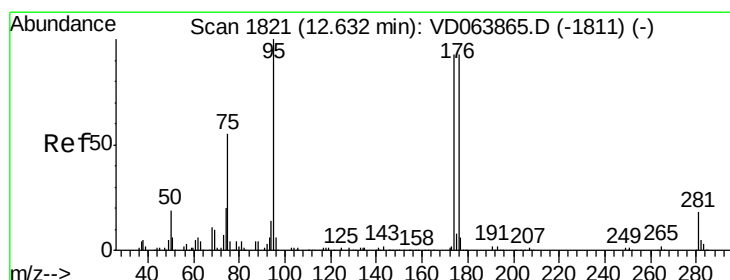
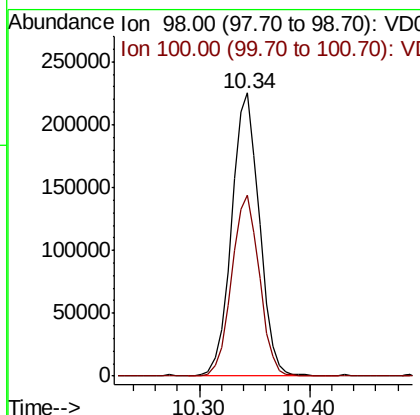
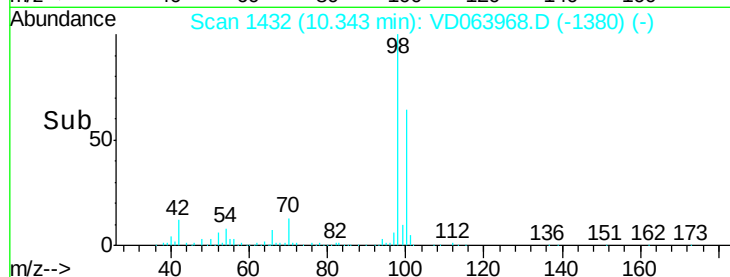
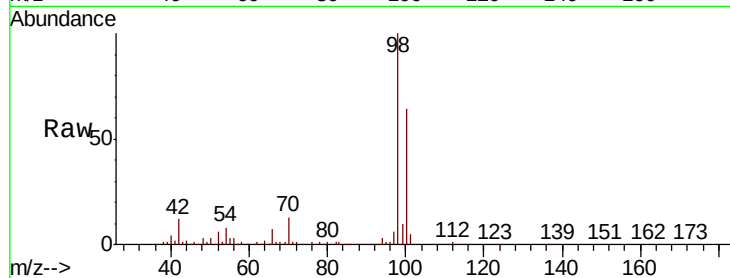




#50
Toluene-d8
Concen: 51.706 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063968.D
Acq: 15 Oct 2019 13:27

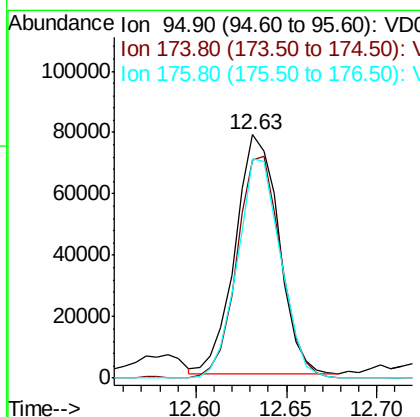
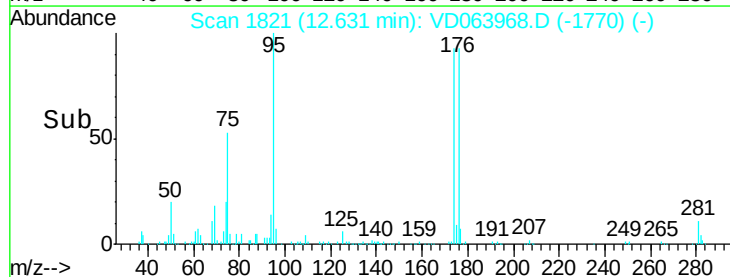
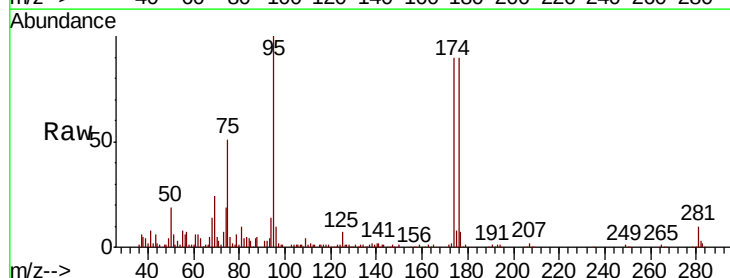
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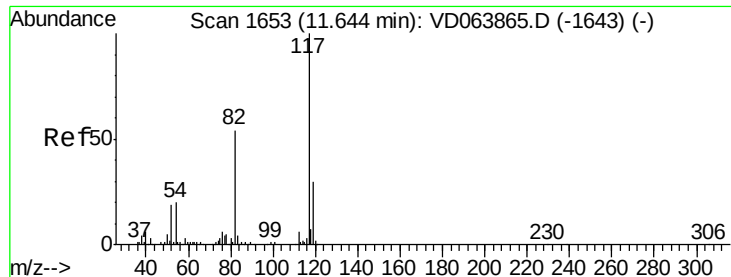
Tot Ion: 98 Resp: 397053
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.266 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063968.D
Acq: 15 Oct 2019 13:27

Tgt Ion: 95 Resp: 131464
Ion Ratio Lower Upper
95 100
174 92.7 0.0 186.4
176 90.4 0.0 184.2

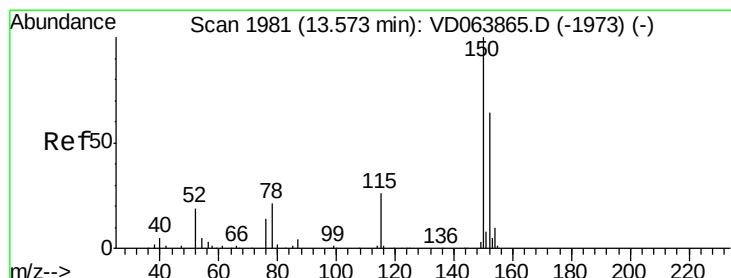
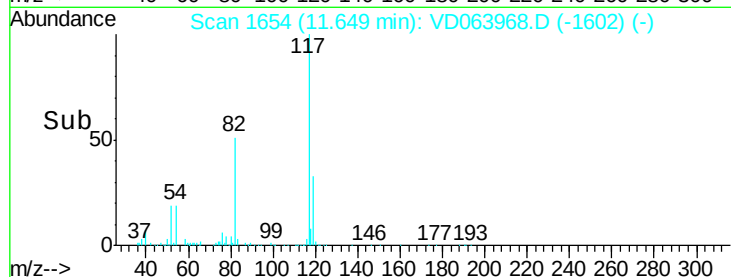
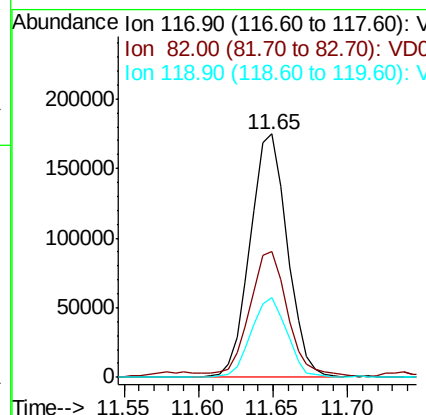
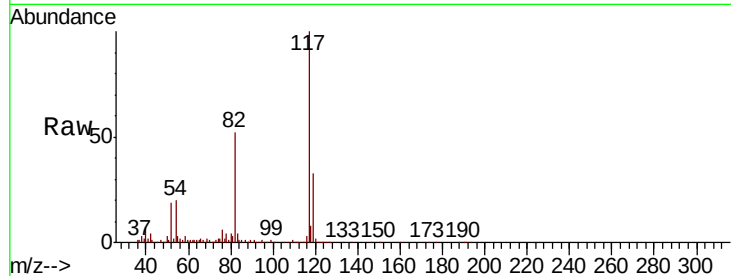




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063968.D
Acq: 15 Oct 2019 13:27

Instrument :
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ClientSampleId :
20190897-AMENDED-COMP-KM-CA

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	42.8	64.2
119	32.7	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: VD063968.D
Acq: 15 Oct 2019 13:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	25.9	77.7
150	152.0	0.0	344.2

