

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063599.D
 Acq On : 15 Aug 2019 4:27
 Operator : JC/SY
 Sample : K4339-04
 Misc : 5.93g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	858531	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1202451	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	833822	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	271014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	422786	46.07	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.14%	
35) Dibromofluoromethane	6.92	113	490018	48.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.78%	
50) Toluene-d8	10.40	98	859325	38.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	77.20%	
62) 4-Bromofluorobenzene	13.56	95	308459	30.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.14%	

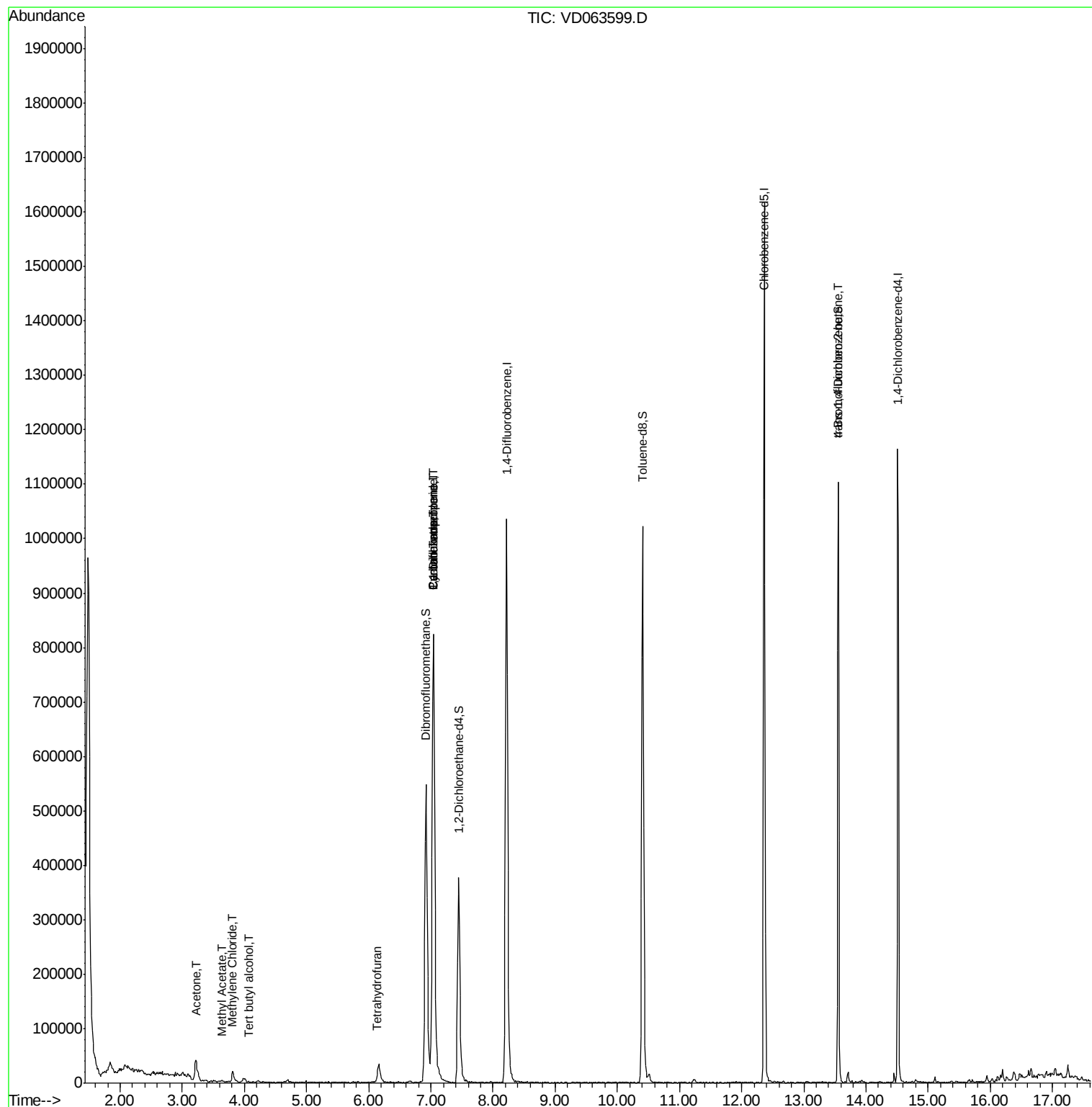
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	1351	3.382	ug/l #	71
16) Acetone	3.22	43	77015	41.284	ug/l	100
18) Methyl Acetate	3.64	43	4740	1.341	ug/l #	57
20) Methylene Chloride	3.81	84	9807	1.216	ug/l #	87
29) Tetrahydrofuran	6.12	42	1157	1.348	ug/l #	35
31) Cyclohexane	7.04	56	19394	2.341	ug/l #	6
36) 1,1-Dichloropropene	7.04	75	66372	6.244	ug/l #	47
38) Carbon Tetrachloride	7.05	117	85904	5.362	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.56	75	134104	160.416	ug/l #	1

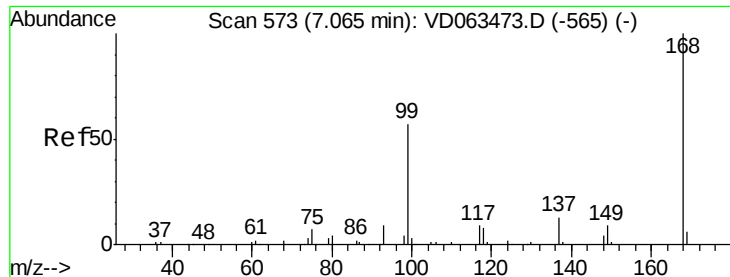
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063599.D

Acq: 15 Aug 2019 4:27

Instrument :

MSVOA_D

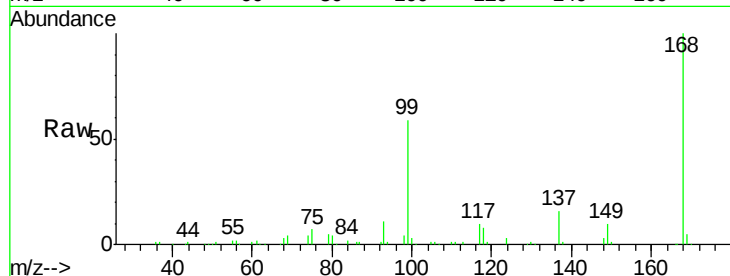
ClientSampleId :

Tot Ion:168 Resp: 858531

Ion Ratio Lower Upper

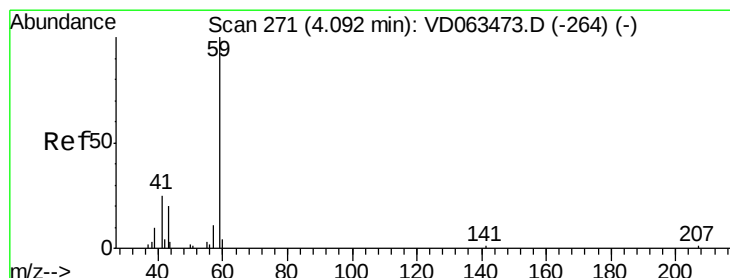
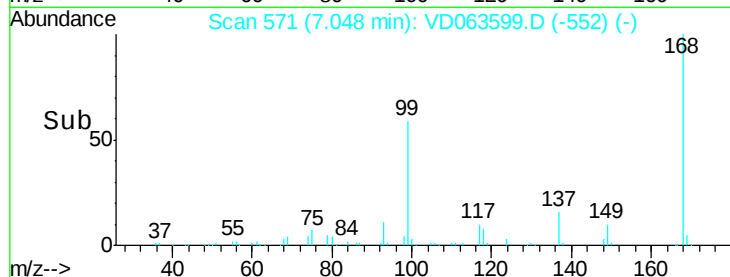
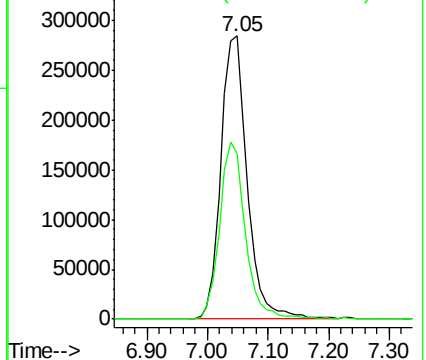
168 100

99 58.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.382 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063599.D

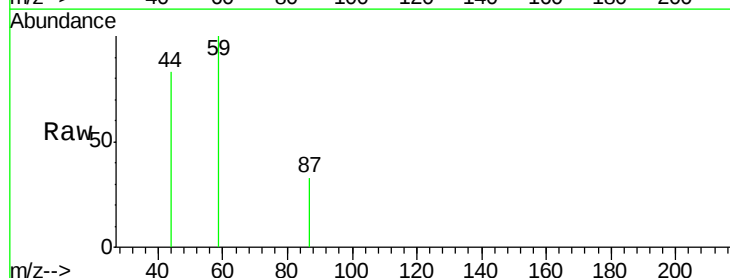
Acq: 15 Aug 2019 4:27

Tgt Ion: 59 Resp: 1351

Ion Ratio Lower Upper

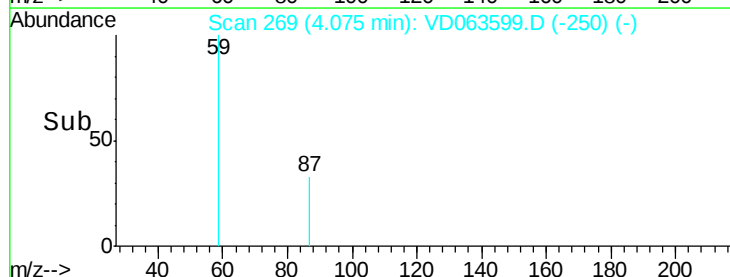
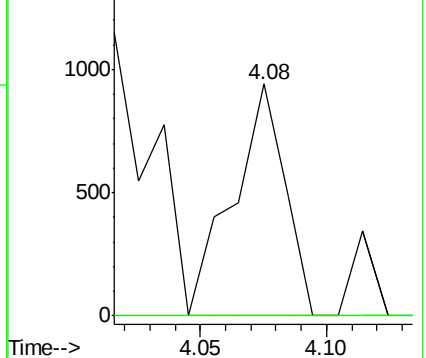
59 100

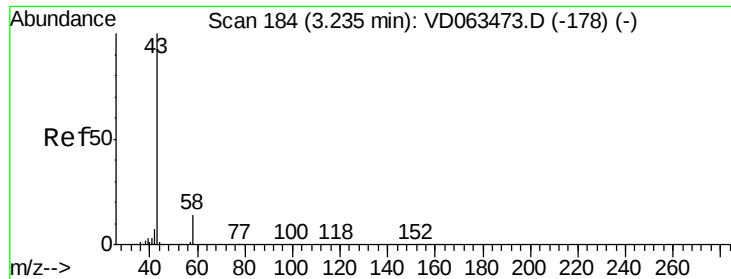
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

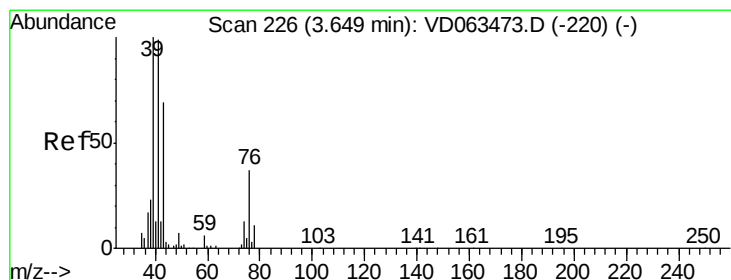
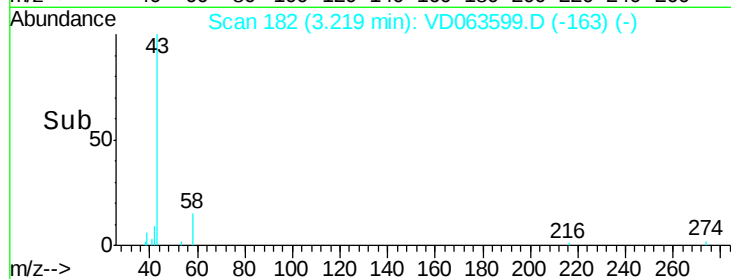
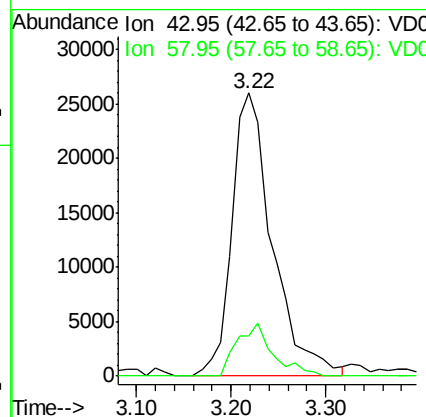
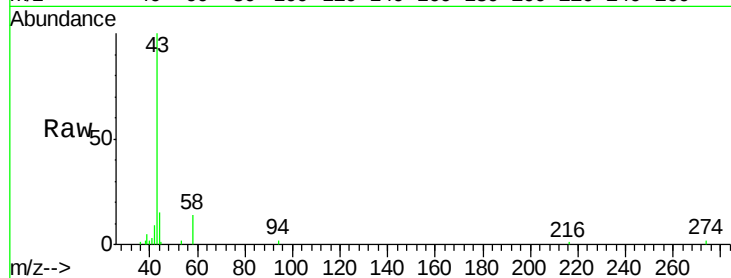




#16
Acetone
Concen: 41.284 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

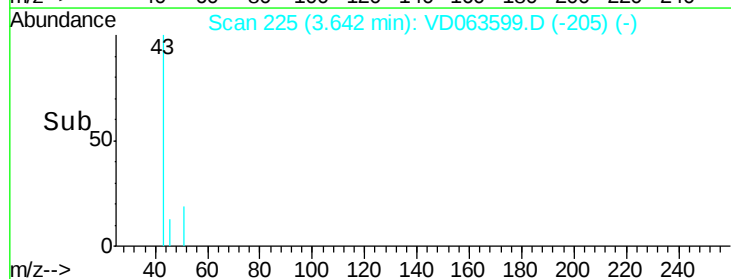
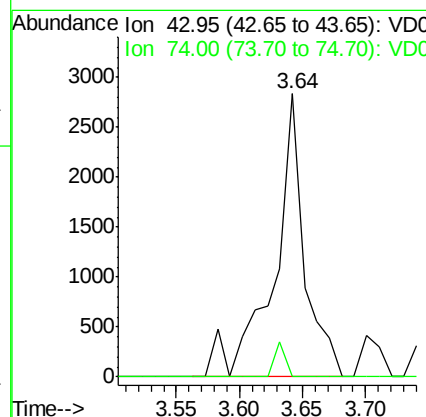
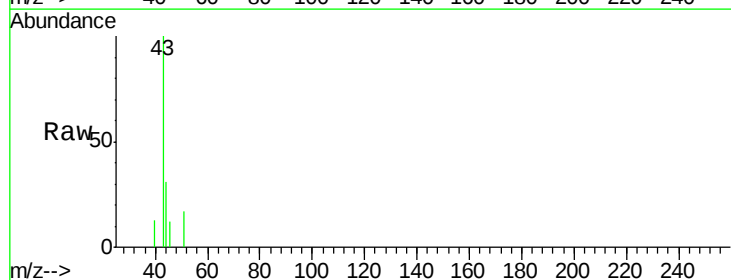
Instrument :
MSVOA_D
ClientSampleId :

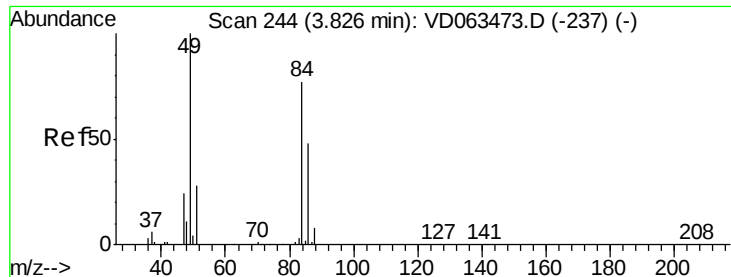
Tot Ion: 43 Resp: 77015
Ion Ratio Lower Upper
43 100
58 14.3 11.4 17.2



#18
Methyl Acetate
Concen: 1.341 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

Tgt Ion: 43 Resp: 4740
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#

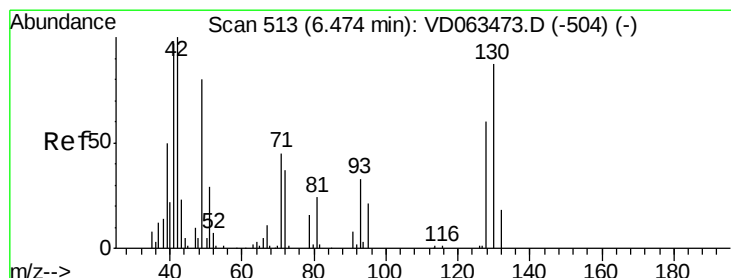
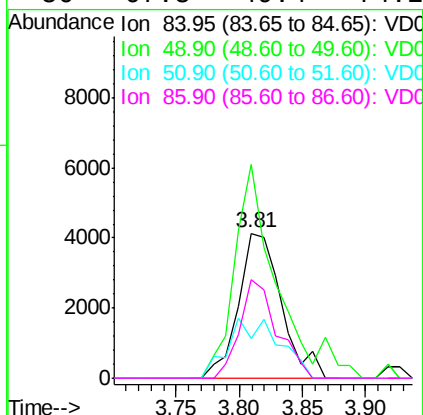
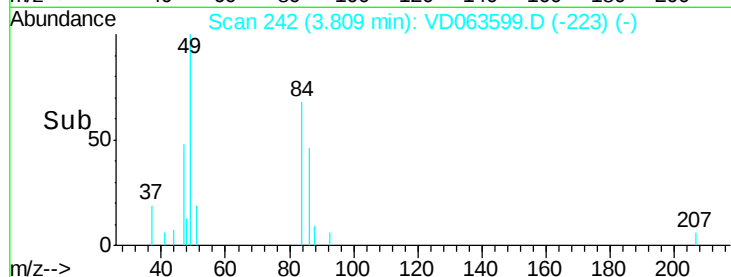
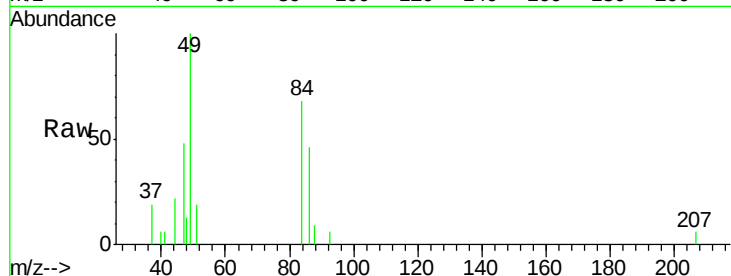




#20
Methvlene Chloride
Concen: 1.216 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

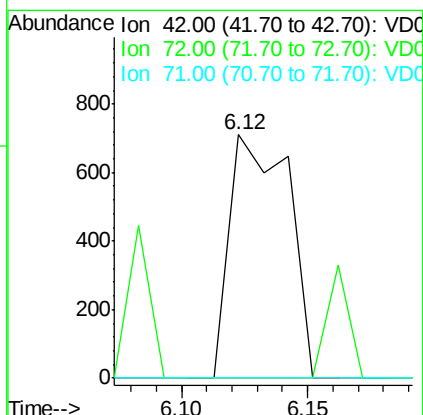
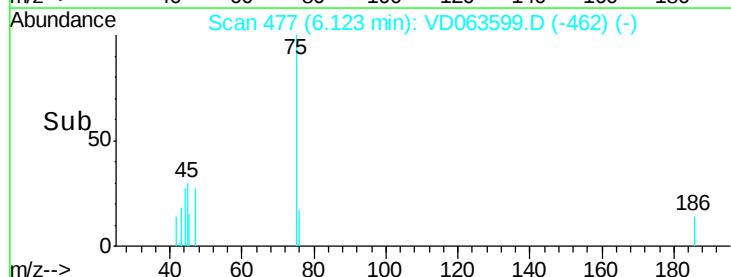
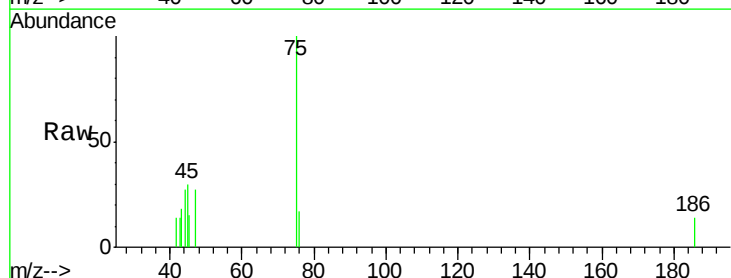
Instrument :
MSVOA_D
ClientSampleId :

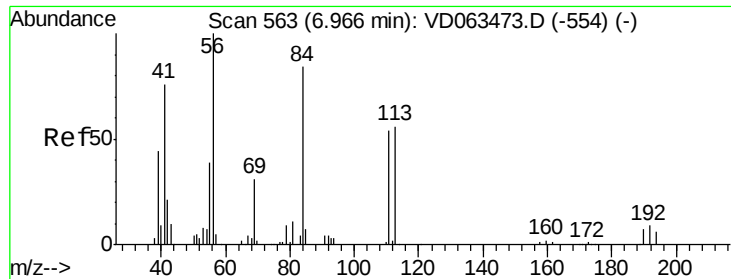
Tot Ion:	84	Resp:	9807
Ion	Ratio	Lower	Upper
84	100		
49	147.6	103.4	155.2
51	27.7	28.5	42.7#
86	67.8	49.4	74.2



#29
Tetrahydrofuran
Concen: 1.348 ug/l
RT: 6.12 min Scan# 477
Delta R.T. -0.35 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

Tgt Ion:	42	Resp:	1157
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	0.0	33.8	50.8#





#31

Cvclohexane

Concen: 2.341 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063599.D

Acq: 15 Aug 2019 4:27

Instrument :

MSVOA_D

ClientSampleId :

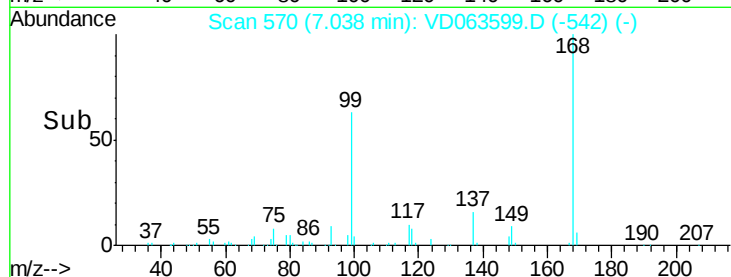
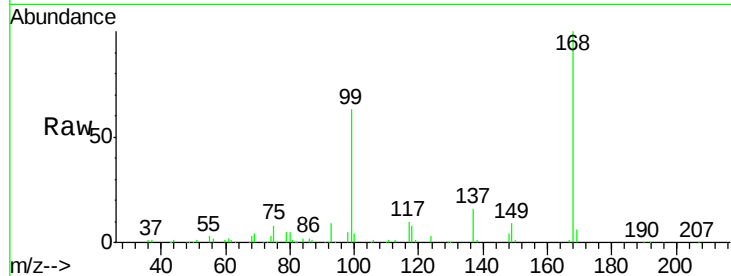
Tot Ion: 56 Resp: 19394

Ion Ratio Lower Upper

56 100

69 184.3 25.0 37.6#

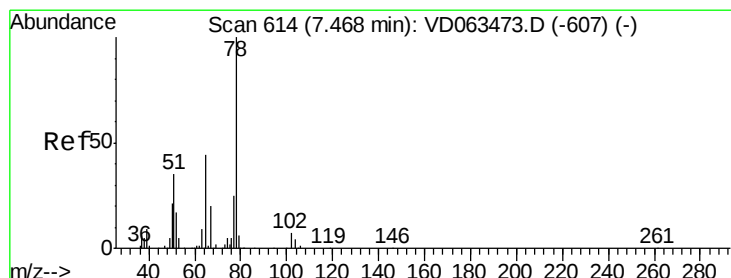
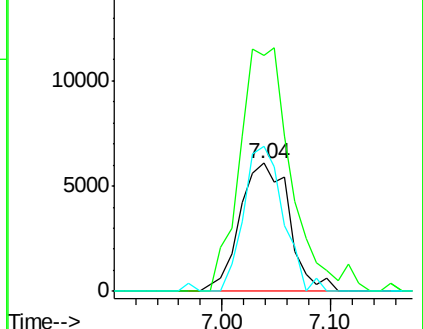
84 113.2 69.7 104.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 46.070 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063599.D

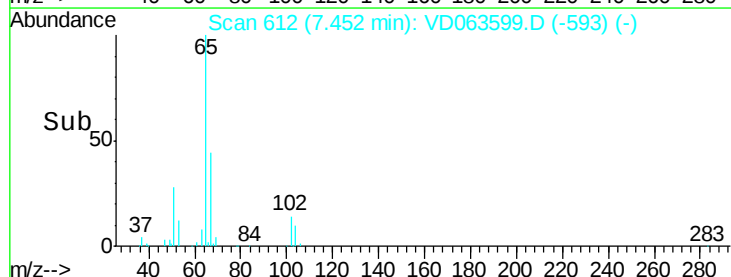
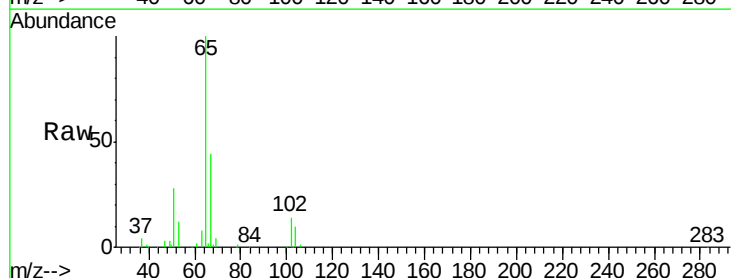
Acq: 15 Aug 2019 4:27

Tgt Ion: 65 Resp: 422786

Ion Ratio Lower Upper

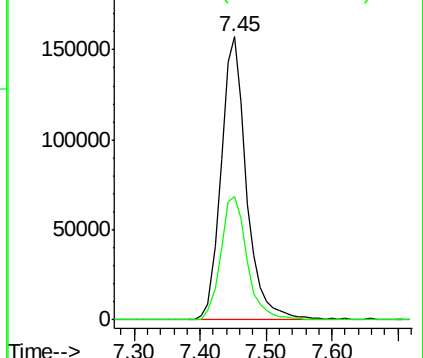
65 100

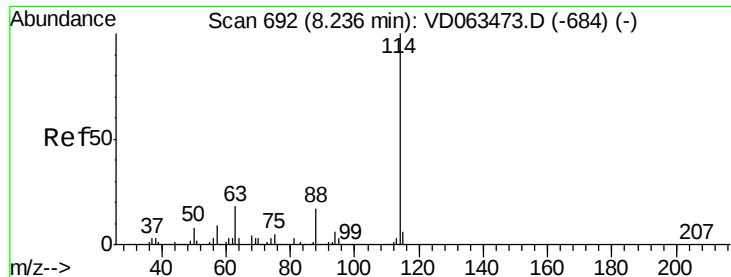
67 43.7 0.0 89.2



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: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063599.D

Acq: 15 Aug 2019 4:27

Instrument :

MSVOA_D

ClientSampleId :

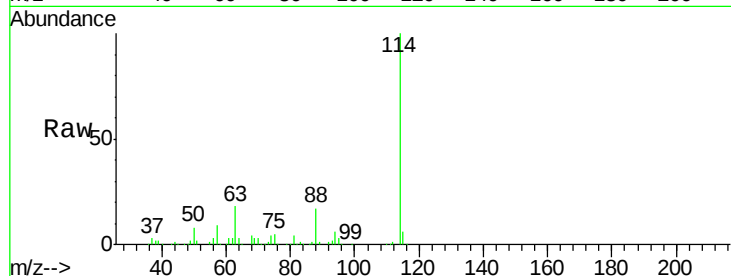
Tot Ion:114 Resp: 1202451

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.2

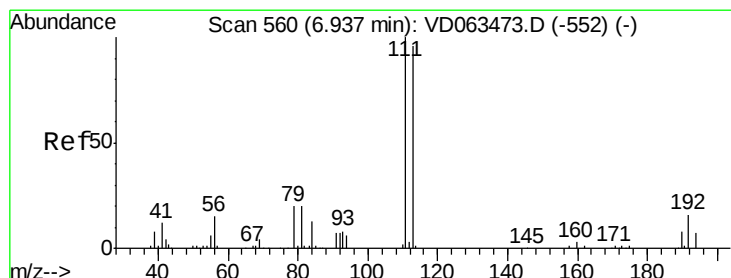
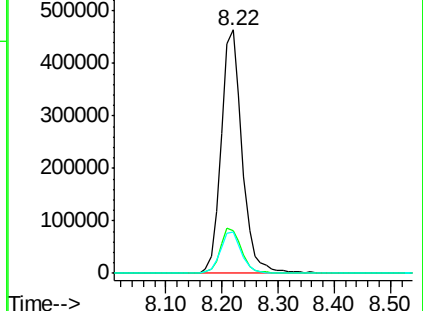
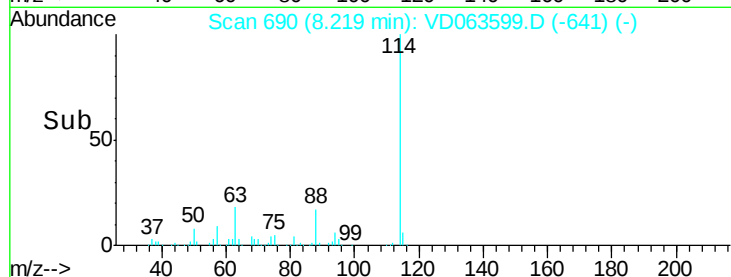
88 16.9 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.387 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063599.D

Acq: 15 Aug 2019 4:27

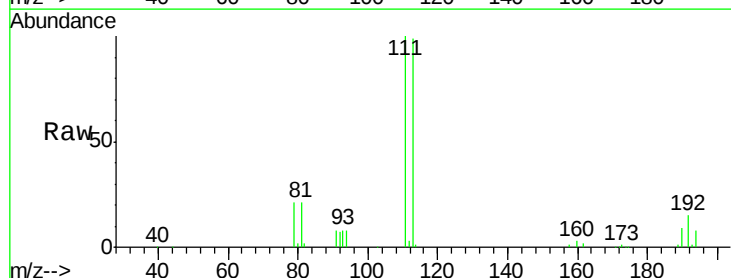
Tgt Ion:113 Resp: 490018

Ion Ratio Lower Upper

113 100

111 100.6 83.1 124.7

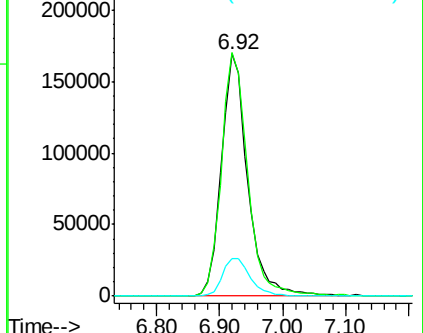
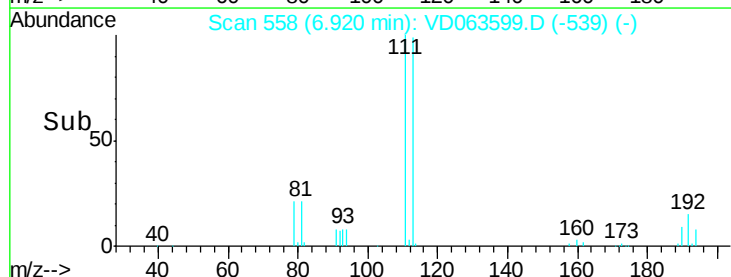
192 15.3 13.1 19.7

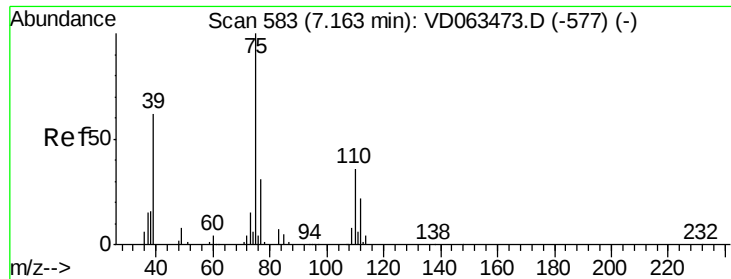


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

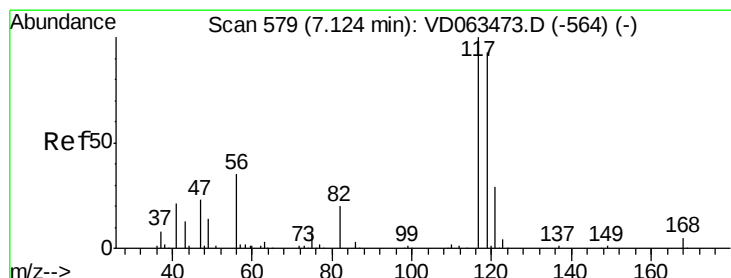
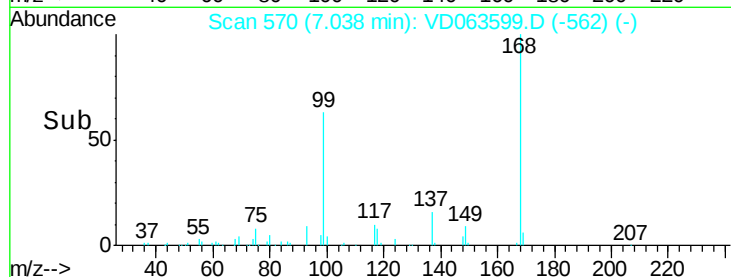
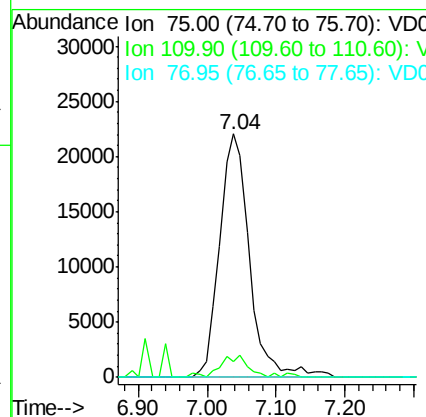
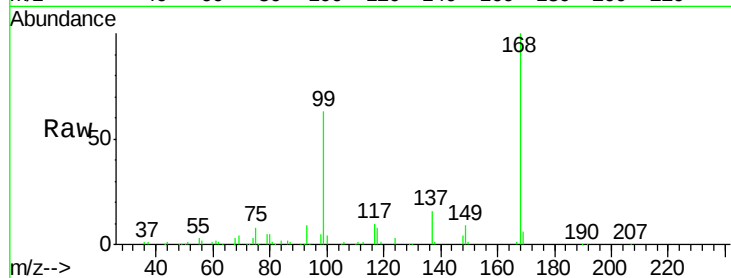




#36
 1,1-Dichloropropene
 Concen: 6.244 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063599.D
 Acq: 15 Aug 2019 4:27

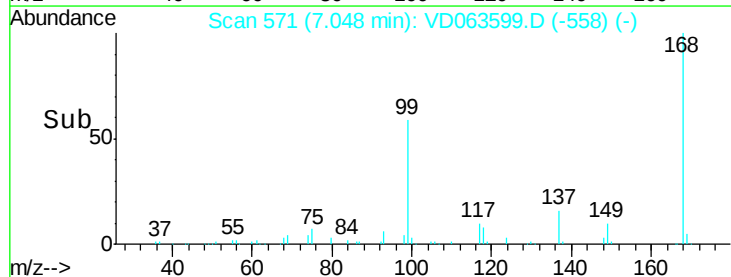
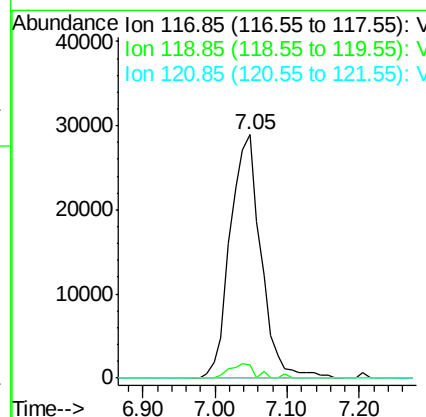
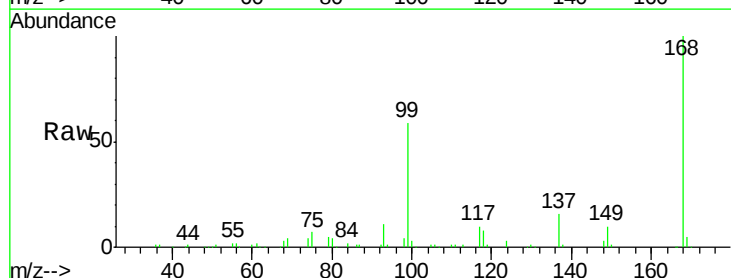
Instrument :
 MSVOA_D
 ClientSampled :

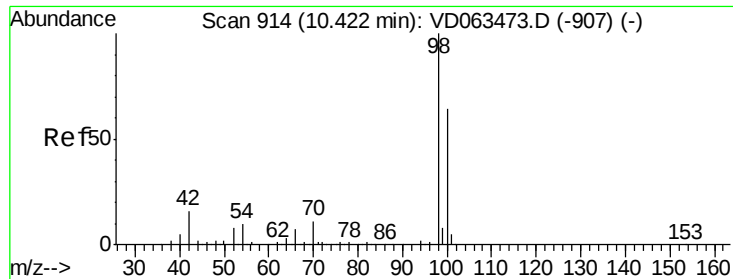
Tot Ion: 75 Resp: 66372
 Ion Ratio Lower Upper
 75 100
 110 6.3 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.362 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063599.D
 Acq: 15 Aug 2019 4:27

Tgt Ion: 117 Resp: 85904
 Ion Ratio Lower Upper
 117 100
 119 5.3 74.2 111.2#
 121 0.0 23.1 34.7#

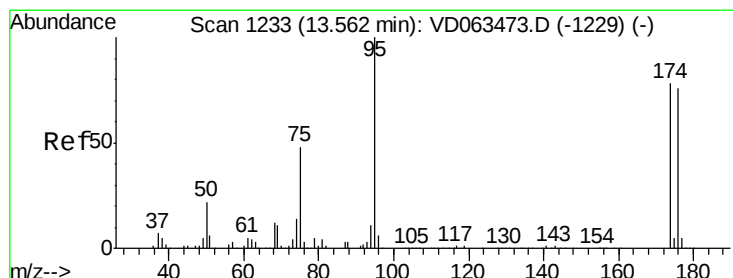
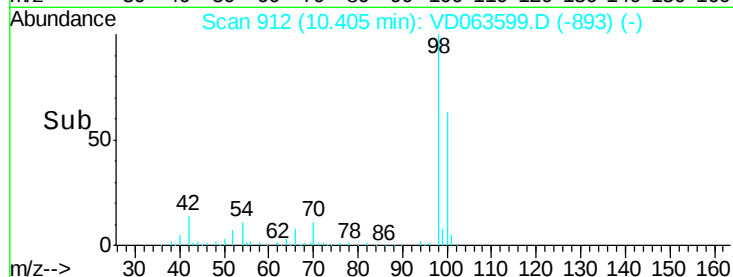
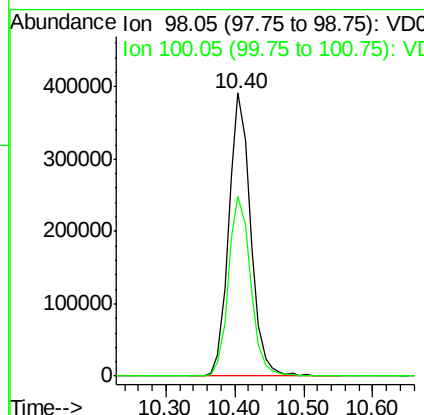
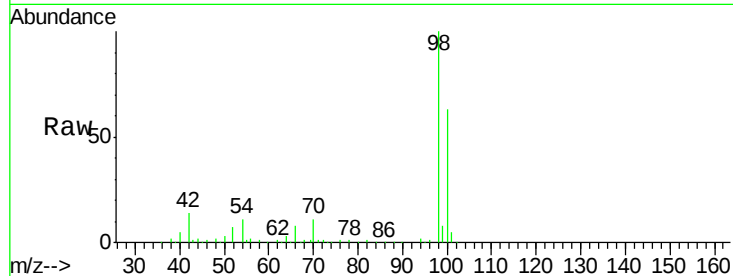




#50
Toluene-d8
Concen: 38.595 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

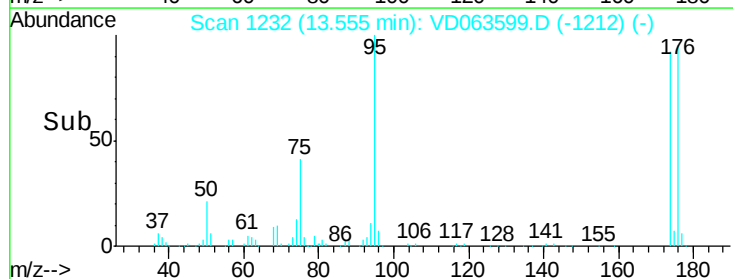
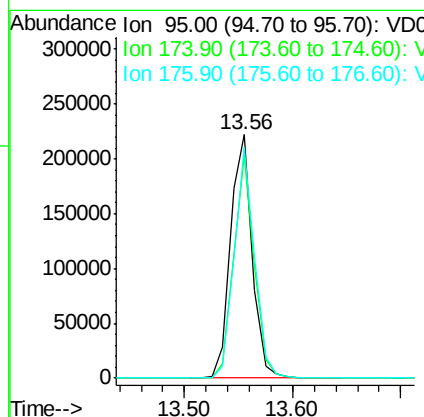
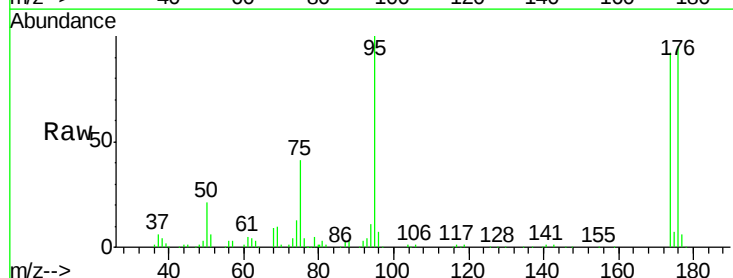
Instrument :
MSVOA_D
ClientSampleId :

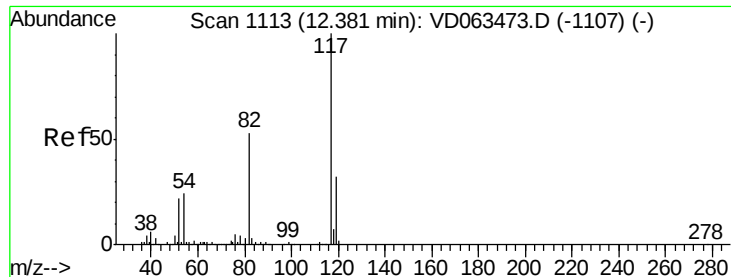
Tot Ion: 98 Resp: 859325
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 30.566 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

Tgt Ion: 95 Resp: 308459
Ion Ratio Lower Upper
95 100
174 91.5 0.0 155.4
176 94.6 0.0 152.4

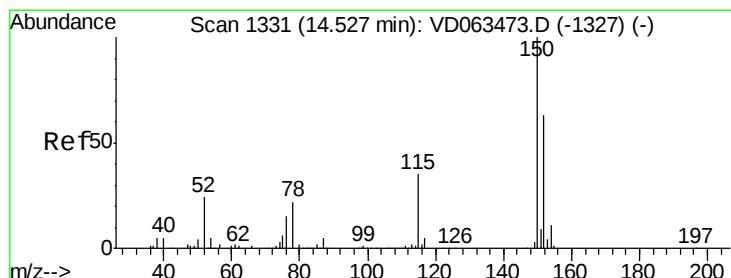
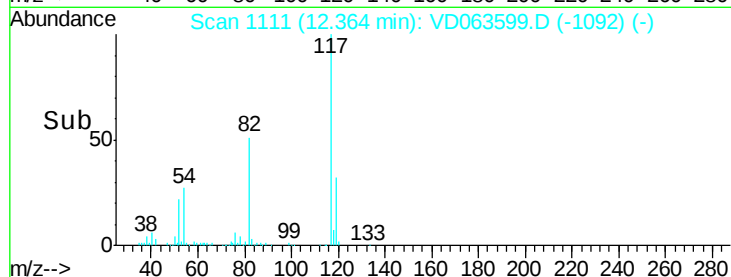
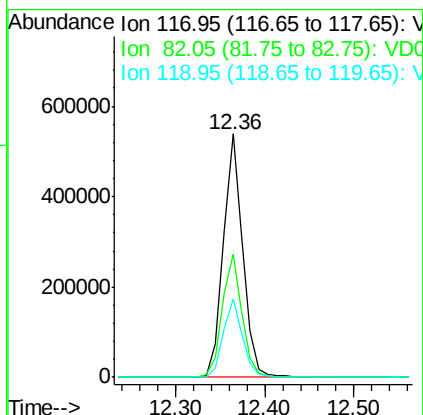
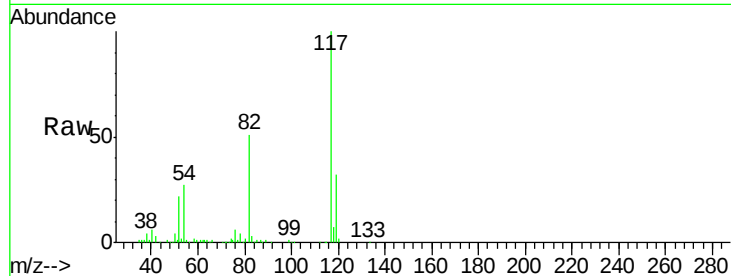




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

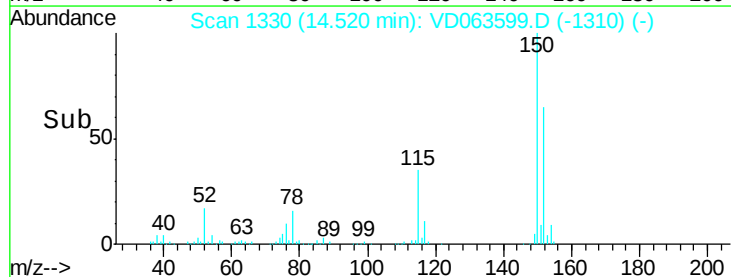
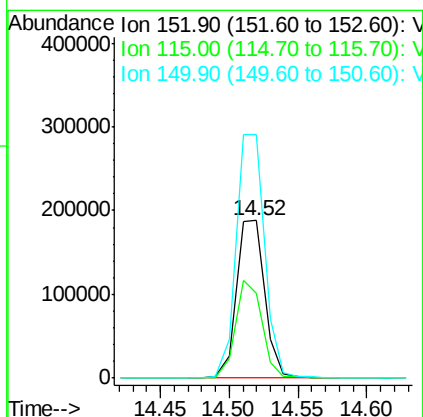
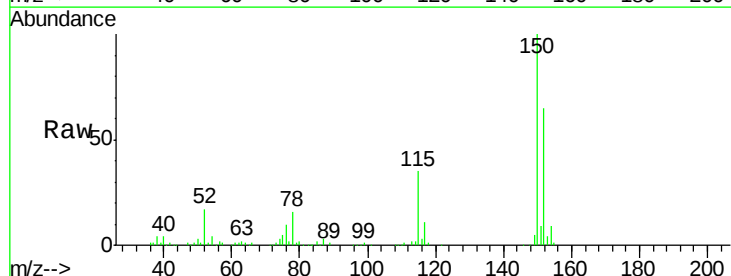
Instrument :
MSVOA_D
ClientSampleId :

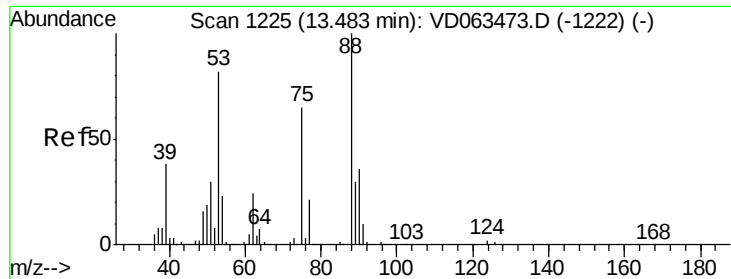
Tot Ion:117 Resp: 833822
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063599.D
Acq: 15 Aug 2019 4:27

Tgt Ion:152 Resp: 271014
Ion Ratio Lower Upper
152 100
115 53.6 30.9 92.7
150 154.4 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 160.416 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063599.D

Acq: 15 Aug 2019 4:27

Instrument :

MSVOA_D

ClientSampleId :

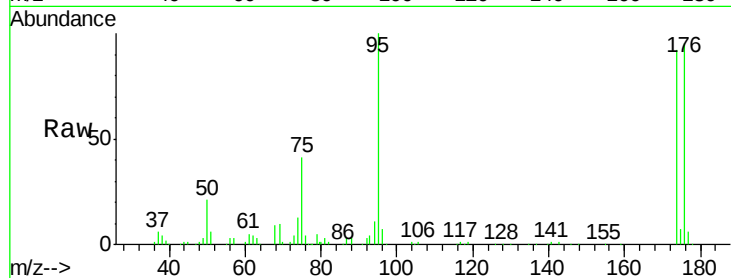
Tot Ion: 75 Resp: 134104

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

