

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063299.D
 Acq On : 1 Aug 2019 18:18
 Operator : VA/AP
 Sample : K4120-09
 Misc : 4.42g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T3-3

Quant Time: Aug 02 07:26:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	841819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1279809	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	824140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	225504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	342244	36.64	ug/l	0.00
Spiked Amount			Recovery	=	73.28%	
35) Dibromofluoromethane	6.90	113	410193	37.54	ug/l	0.00
Spiked Amount			Recovery	=	75.08%	
50) Toluene-d8	10.39	98	799769	32.70	ug/l	0.00
Spiked Amount			Recovery	=	65.40%	
62) 4-Bromofluorobenzene	13.54	95	218192	19.58	ug/l	0.00
Spiked Amount			Recovery	=	39.16%	

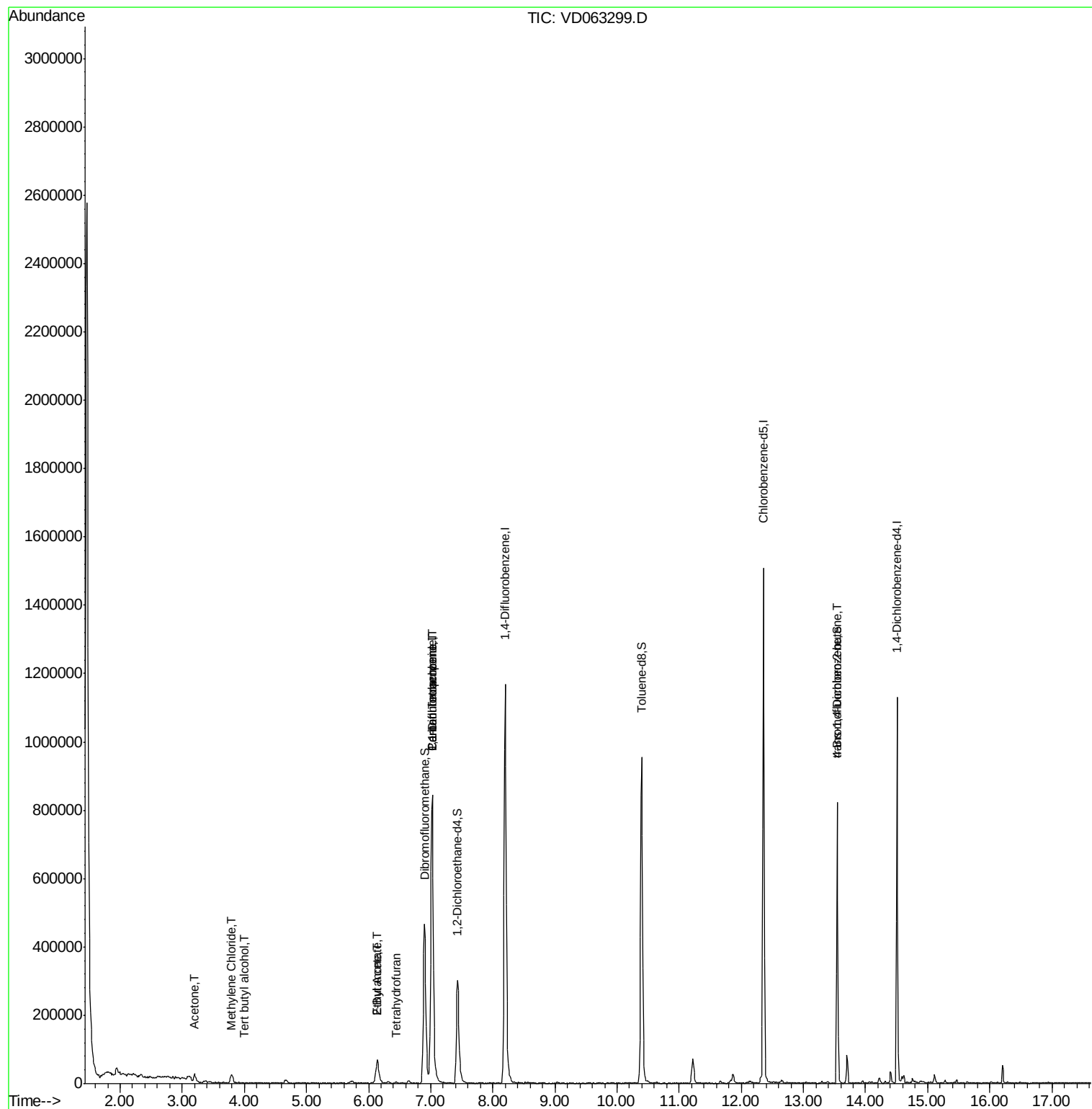
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	554	1.351	ug/l #	69
16) Acetone	3.20	43	37622	20.672	ug/l	95
20) Methylene Chloride	3.79	84	14179	1.927	ug/l #	84
25) 2-Butanone	6.14	43	4413	2.416	ug/l	99
29) Tetrahydrofuran	6.45	42	1575	1.821	ug/l #	86
36) 1,1-Dichloropropene	7.02	75	63595	5.445	ug/l #	49
37) Ethyl Acetate	6.14	43	6182	1.178	ug/l #	24
38) Carbon Tetrachloride	7.03	117	81267	4.622	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.54	75	95760	127.320	ug/l #	3

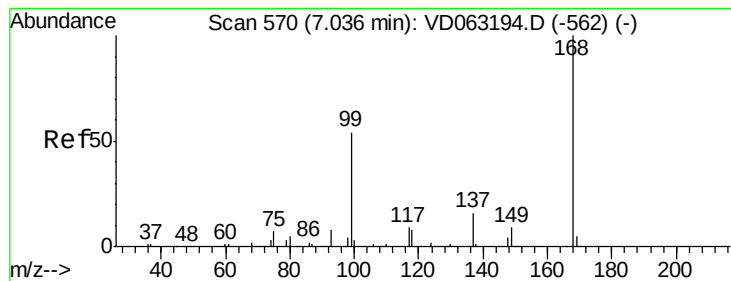
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 02 07:26:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063299.D

Acq: 1 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

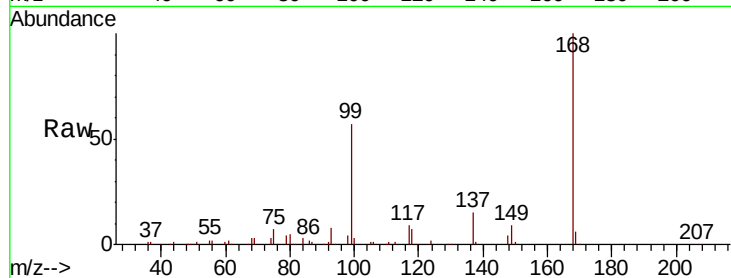
T3-3

Tot Ion:168 Resp: 841819

Ion Ratio Lower Upper

168 100

99 57.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

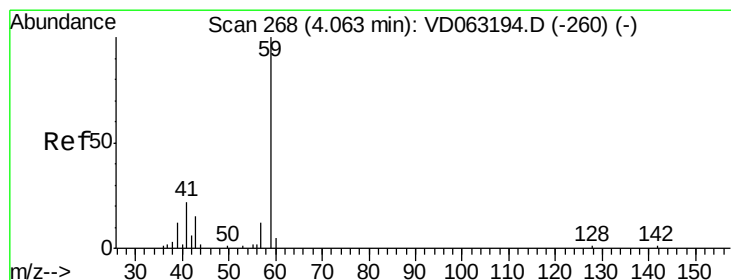
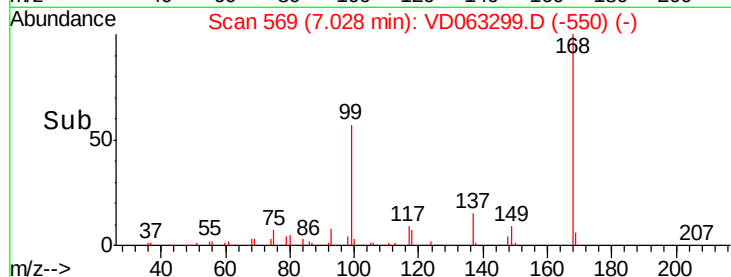
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.351 ug/l

RT: 4.00 min Scan# 261

Delta R.T. -0.07 min

Lab File: VD063299.D

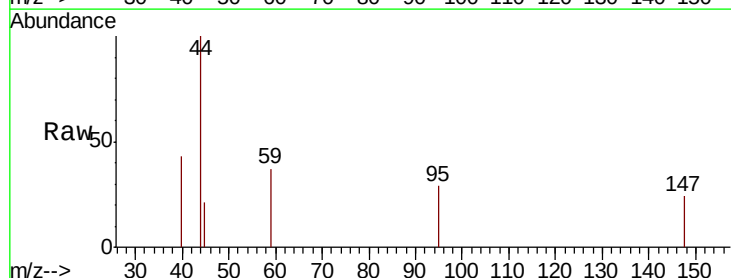
Acq: 1 Aug 2019 18:18

Tgt Ion: 59 Resp: 554

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

600

500

400

300

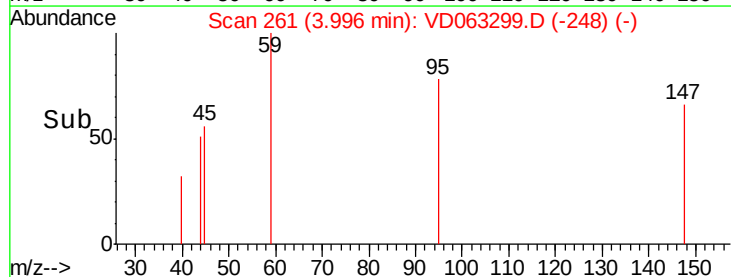
200

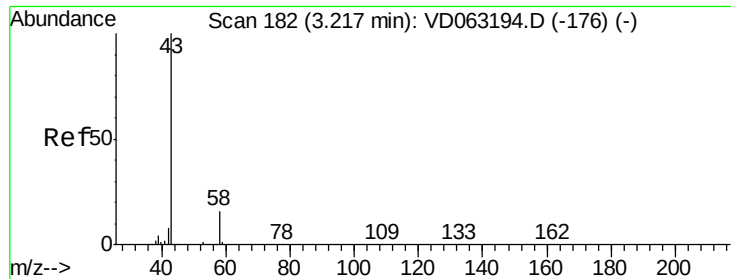
100

0

Time-->

3.98 4.00 4.02 4.04





#16

Acetone

Concen: 20.672 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD063299.D

Acq: 1 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

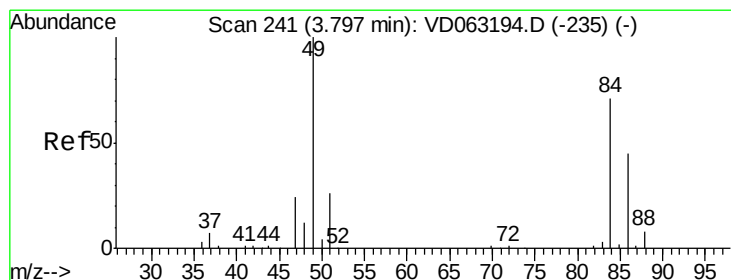
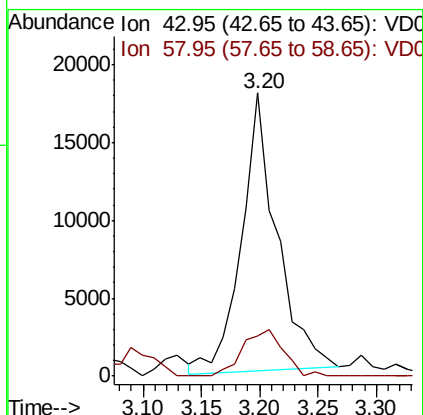
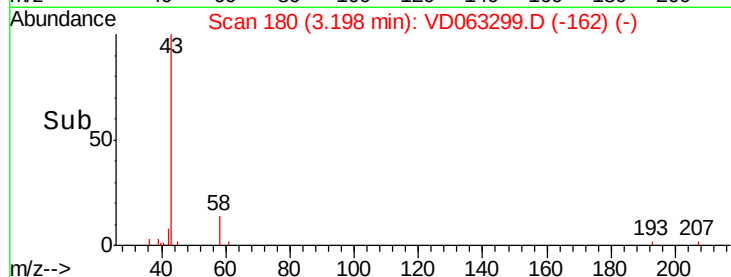
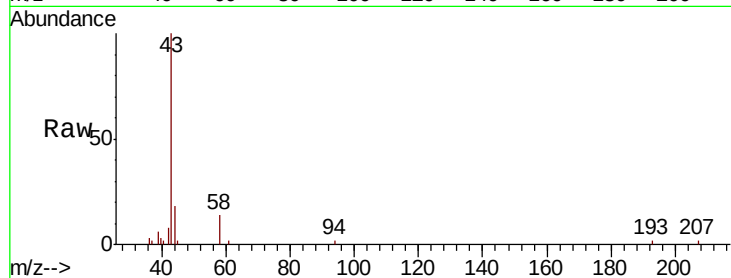
T3-3

Tot Ion: 43 Resp: 37622

Ion Ratio Lower Upper

43 100

58 14.1 13.0 19.4



#20

Methylene Chloride

Concen: 1.927 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD063299.D

Acq: 1 Aug 2019 18:18

Tgt Ion: 84 Resp: 14179

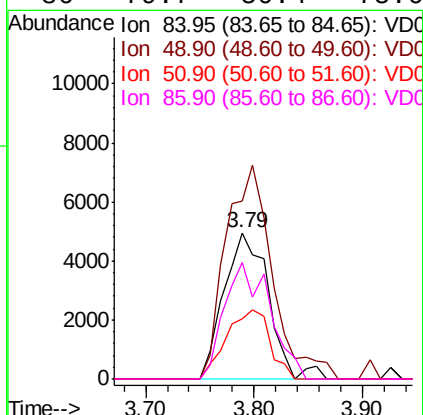
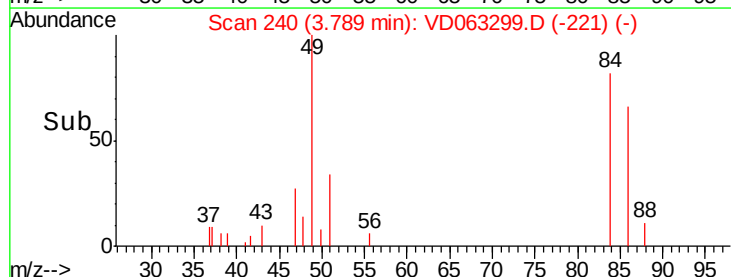
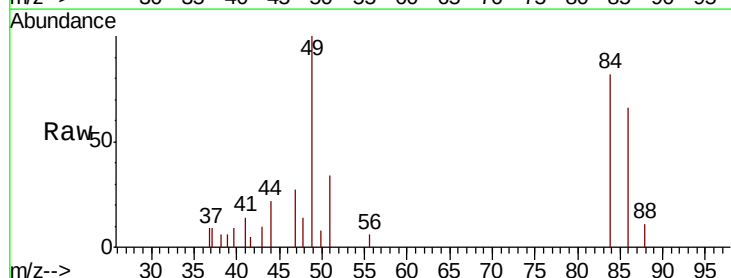
Ion Ratio Lower Upper

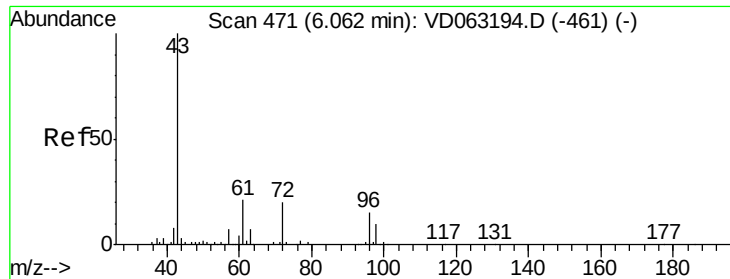
84 100

49 121.2 112.5 168.7

51 41.4 29.6 44.4

86 79.7 50.4 75.6#





#25

2-Butanone

Concen: 2.416 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.08 min

Lab File: VD063299.D

Acq: 1 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

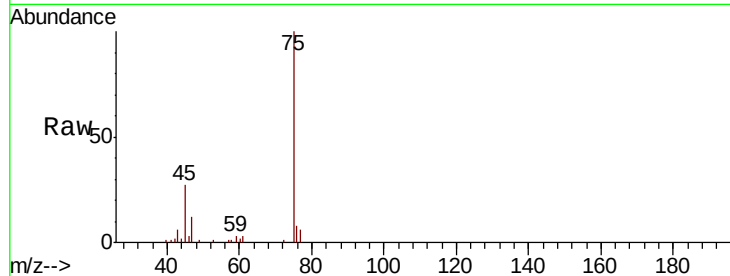
T3-3

Tot Ion: 43 Resp: 4413

Ion Ratio Lower Upper

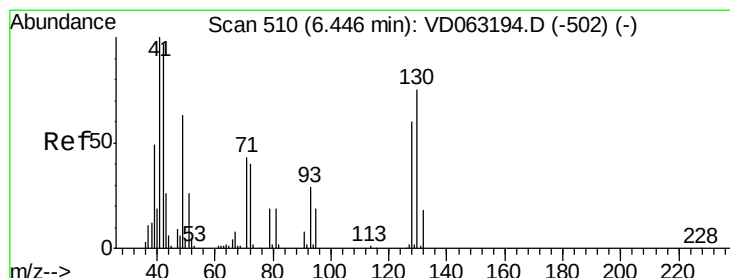
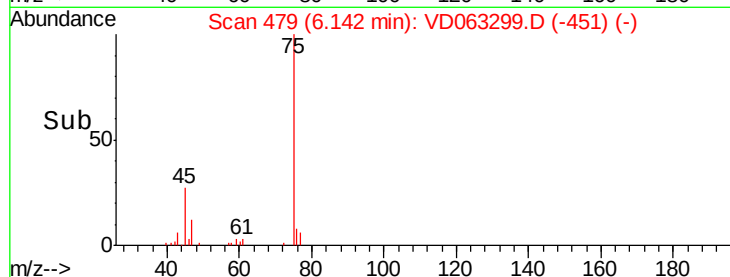
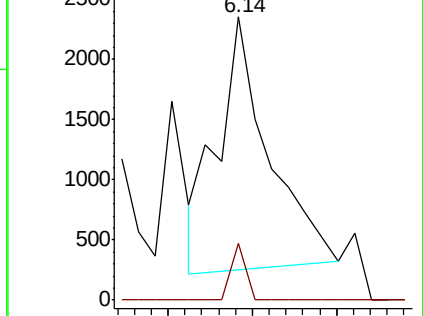
43 100

72 19.9 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.821 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063299.D

Acq: 1 Aug 2019 18:18

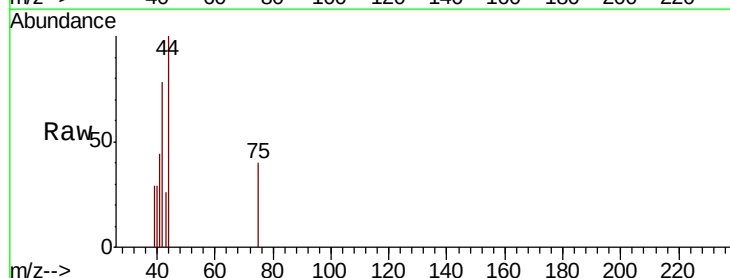
Tgt Ion: 42 Resp: 1575

Ion Ratio Lower Upper

42 100

72 46.6 33.4 50.2

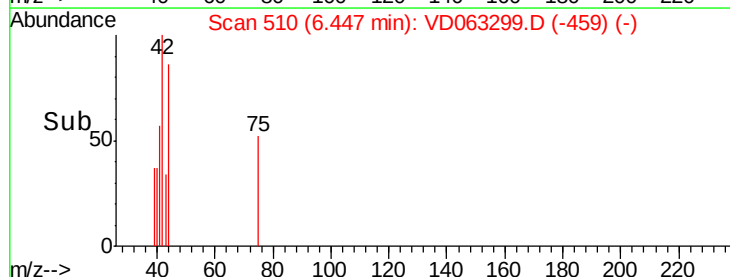
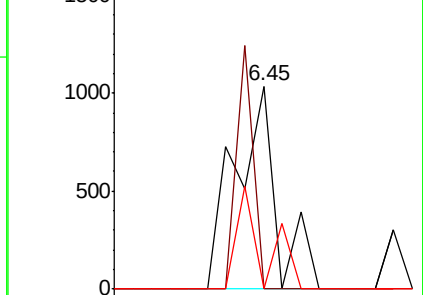
71 32.2 35.7 53.5#

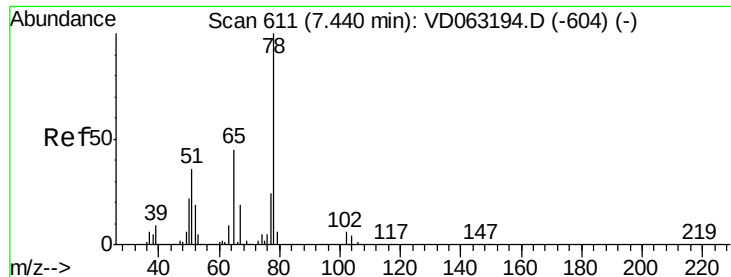


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

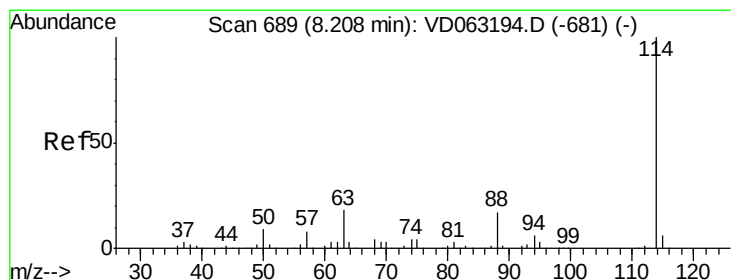
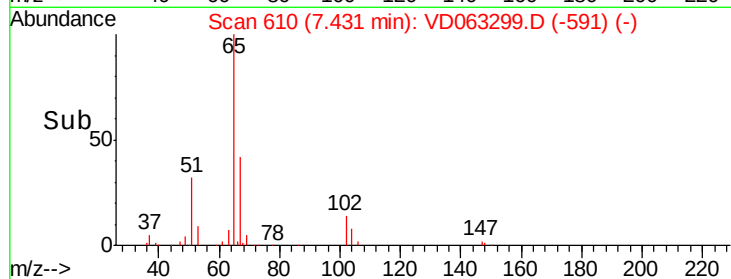
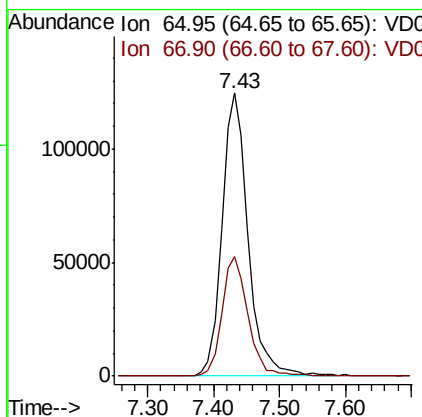
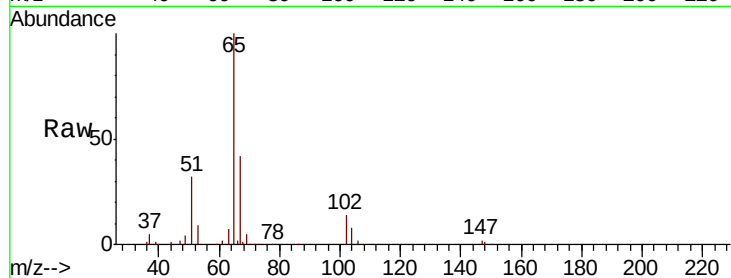




#33
 1,2-Dichloroethane-d4
 Concen: 36.640 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD063299.D
 Acq: 1 Aug 2019 18:18

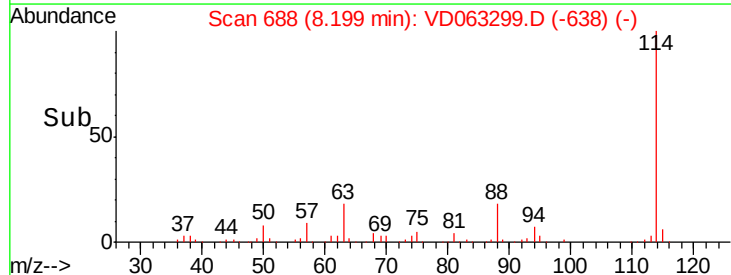
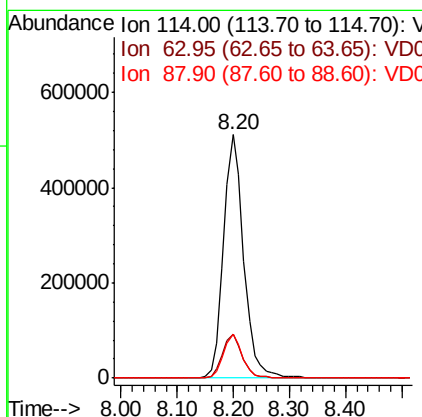
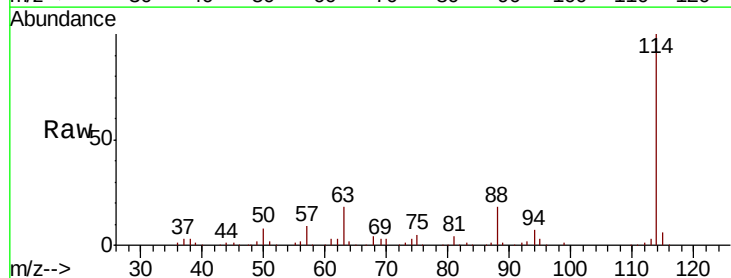
Instrument :
 MSVOA_D
 ClientSampleId :
 T3-3

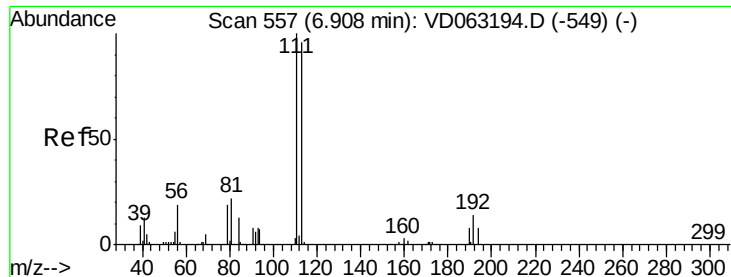
Tot Ion: 65 Resp: 342244
 Ion Ratio Lower Upper
 65 100
 67 42.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063299.D
 Acq: 1 Aug 2019 18:18

Tgt Ion: 114 Resp: 1279809
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 18.1 0.0 34.6

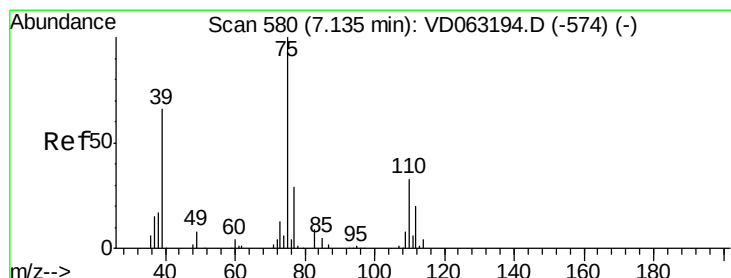
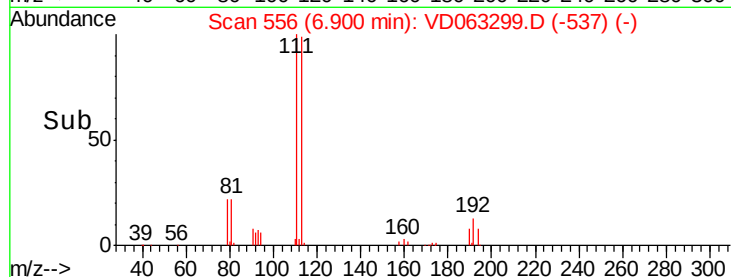
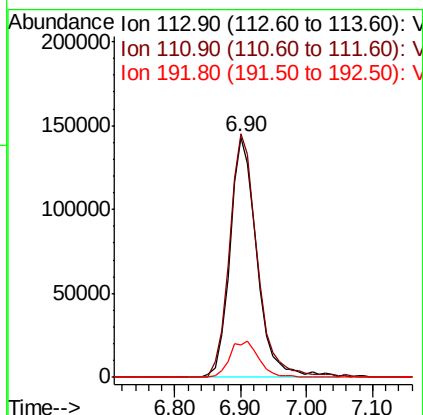
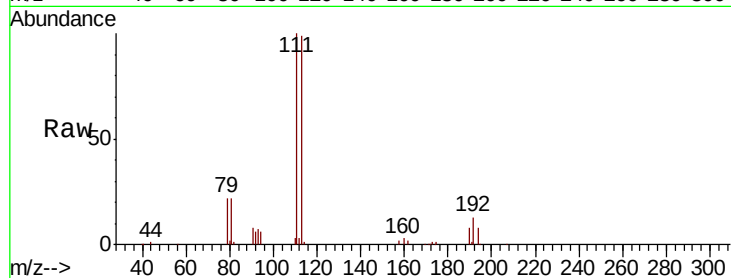




#35
 Dibromofluoromethane
 Concen: 37.540 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD063299.D
 Acq: 1 Aug 2019 18:18

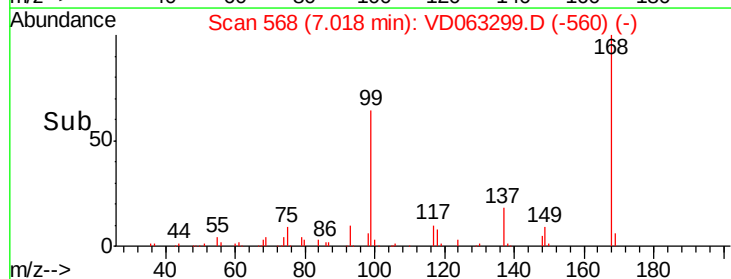
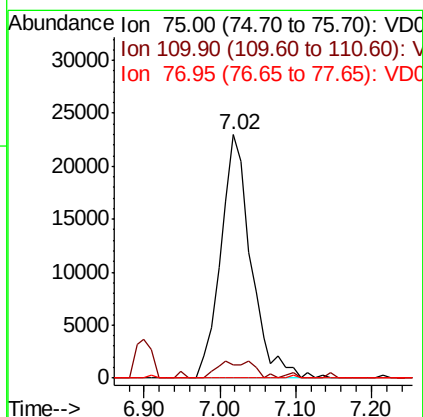
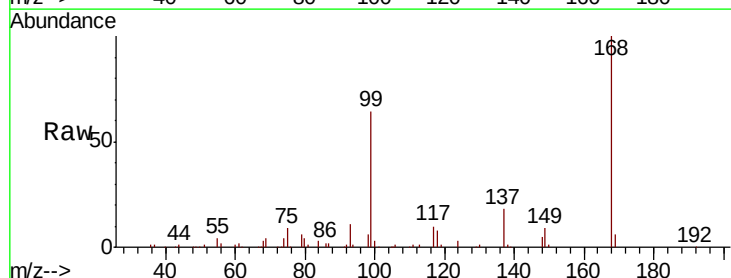
Instrument :
 MSVOA_D
 ClientSampleId :
 T3-3

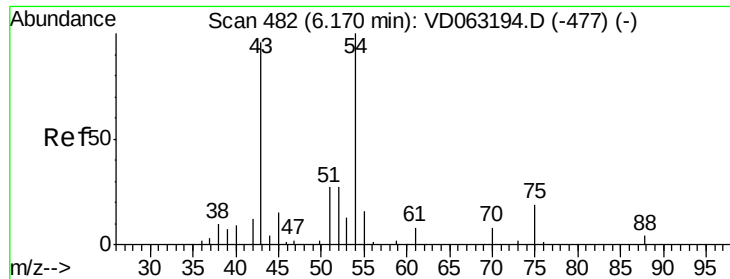
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.2	124.8
192	13.7	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 5.445 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.12 min
 Lab File: VD063299.D
 Acq: 1 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.3	16.1	48.2#
77	0.0	22.7	34.1#

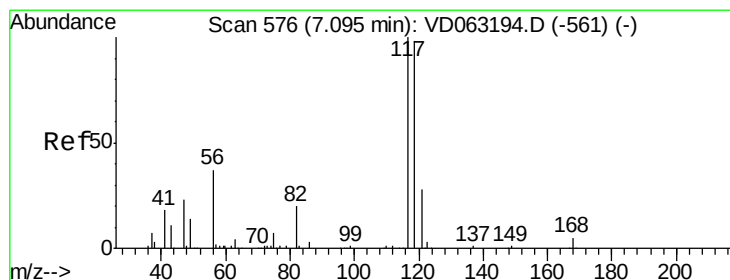
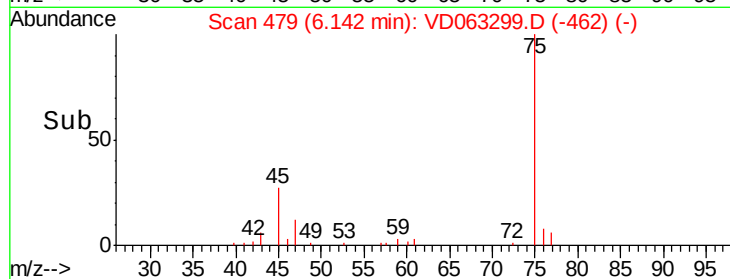
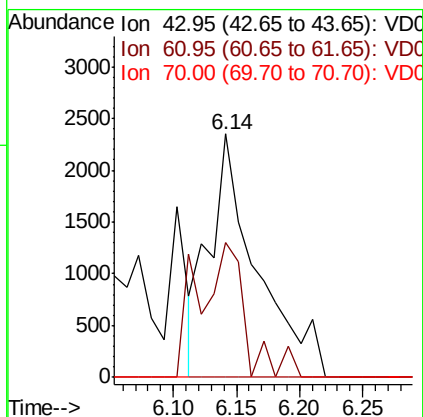
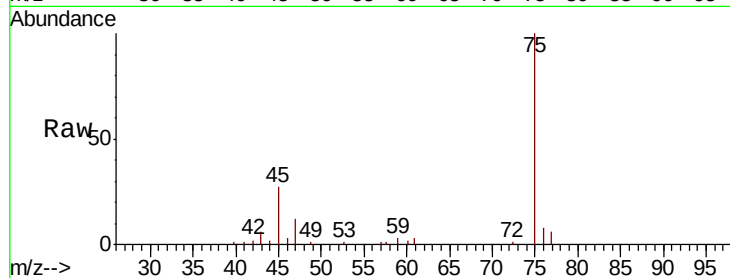




#37
Ethyl Acetate
Concen: 1.178 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.03 min
Lab File: VD063299.D
Acq: 1 Aug 2019 18:18

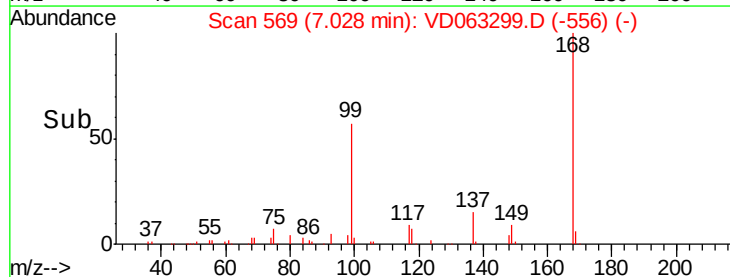
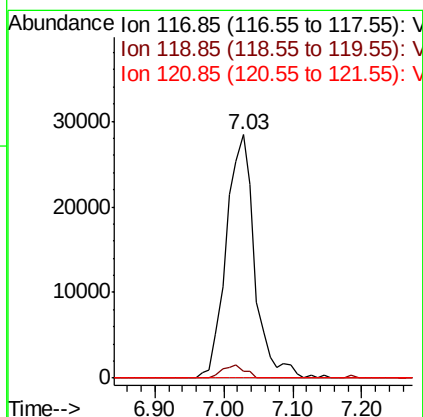
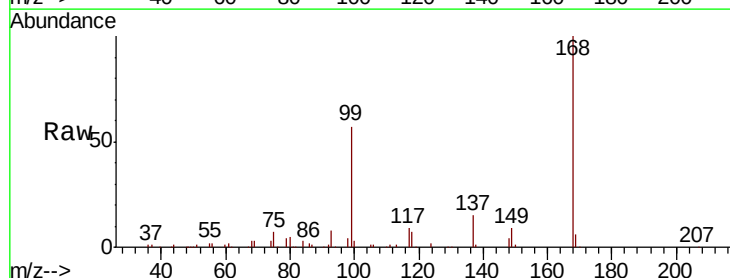
Instrument :
MSVOA_D
ClientSampleId :
T3-3

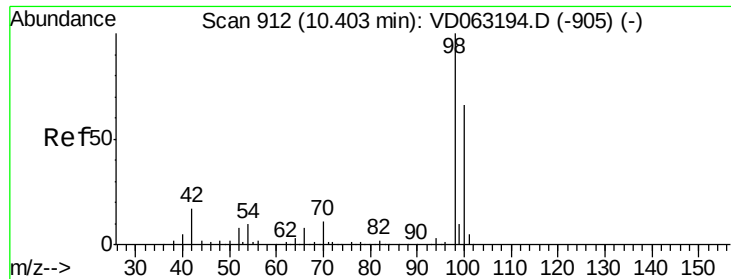
Tot Ion: 43 Resp: 6182
Ion Ratio Lower Upper
43 100
61 55.5 11.3 16.9#
70 0.0 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 4.622 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063299.D
Acq: 1 Aug 2019 18:18

Tgt Ion: 117 Resp: 81267
Ion Ratio Lower Upper
117 100
119 2.8 78.2 117.2#
121 0.0 22.1 33.1#

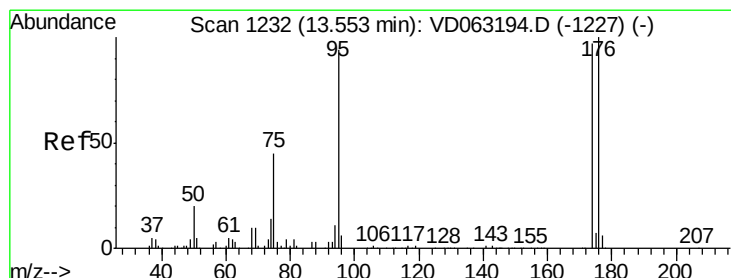
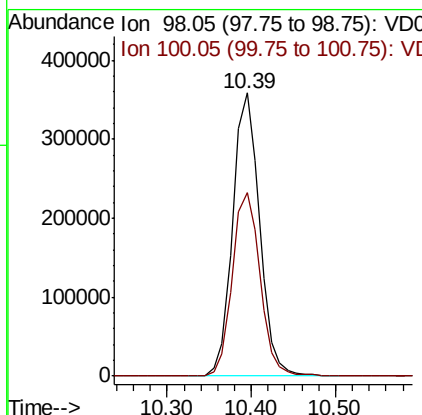
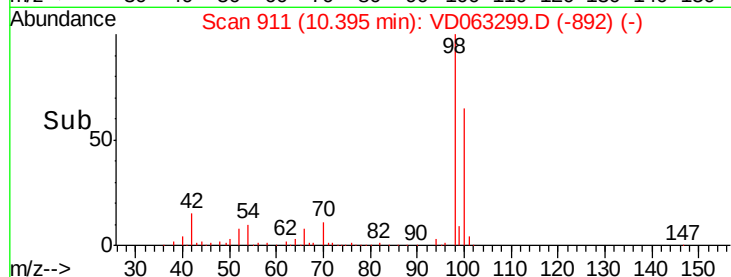
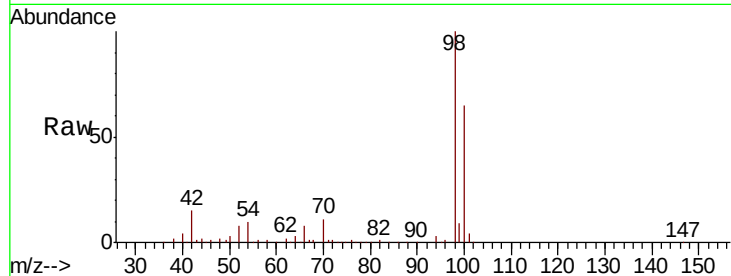




#50
Toluene-d8
Concen: 32.705 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063299.D
Acq: 1 Aug 2019 18:18

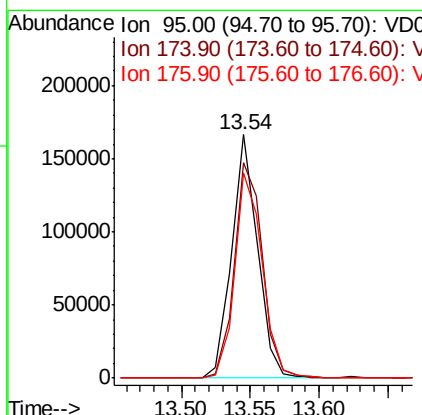
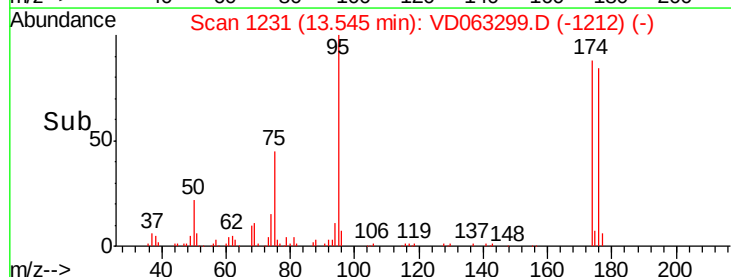
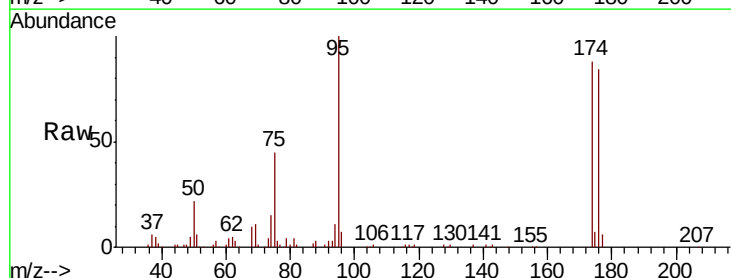
Instrument :
MSVOA_D
ClientSampleId :
T3-3

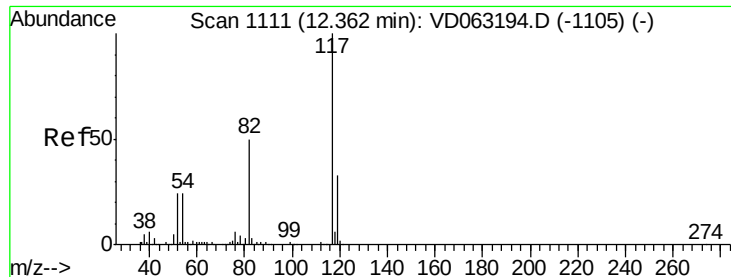
Tot Ion: 98 Resp: 799769
Ion Ratio Lower Upper
98 100
100 64.9 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 19.580 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063299.D
Acq: 1 Aug 2019 18:18

Tgt Ion: 95 Resp: 218192
Ion Ratio Lower Upper
95 100
174 88.2 0.0 205.4
176 84.1 0.0 211.8

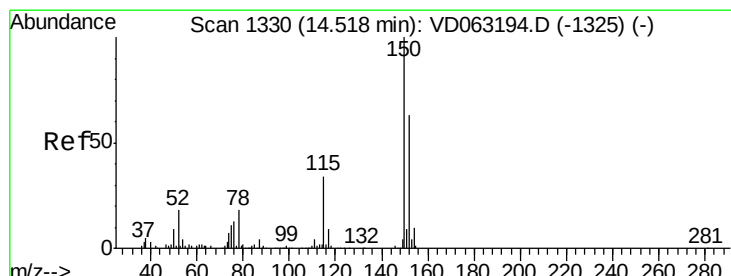
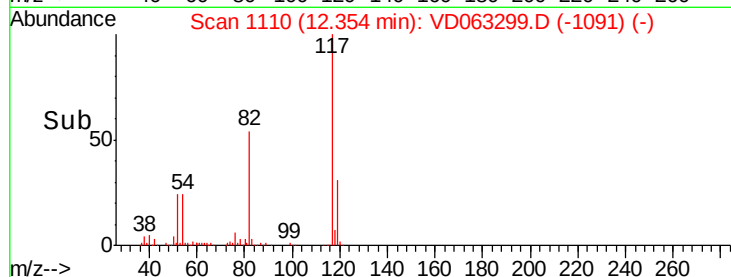
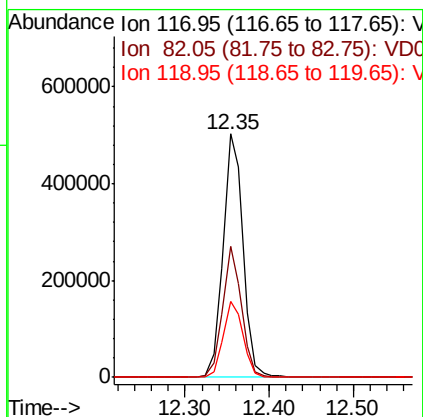
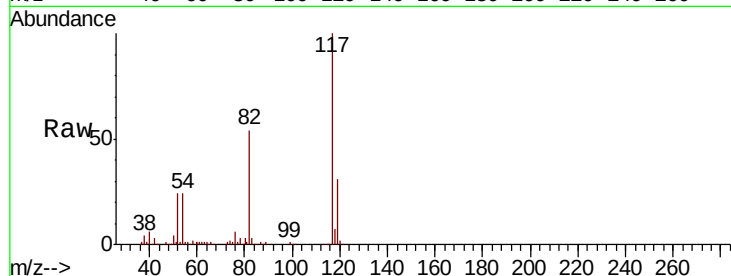




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063299.D
Acq: 1 Aug 2019 18:18

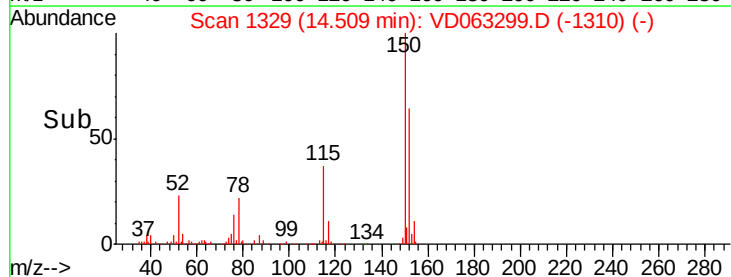
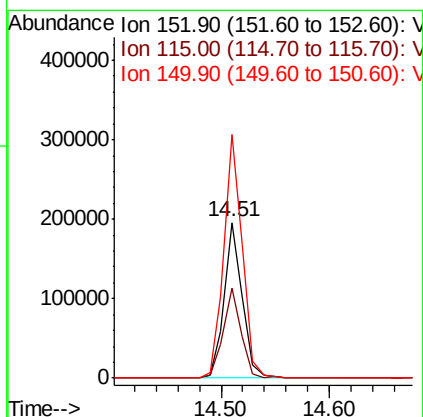
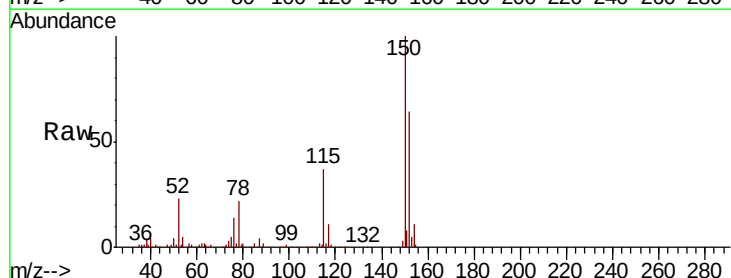
Instrument :
MSVOA_D
ClientSampleId :
T3-3

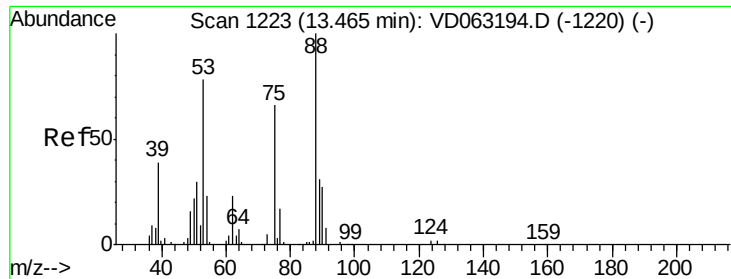
Tot Ion:117 Resp: 824140
Ion Ratio Lower Upper
117 100
82 53.7 40.1 60.1
119 31.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063299.D
Acq: 1 Aug 2019 18:18

Tgt Ion:152 Resp: 225504
Ion Ratio Lower Upper
152 100
115 57.6 27.5 82.4
150 156.2 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 127.320 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063299.D

Acq: 1 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

T3-3

Tot Ion: 75 Resp: 95760

Ion Ratio Lower Upper

75 100

53 0.5 94.9 142.3#

89 0.0 37.4 56.0#

