

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063568.D
 Acq On : 14 Aug 2019 11:38
 Operator : JC/SY
 Sample : K4238-01RE
 Misc : 5.60µl/5ml/MSVOA D/SOIL
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-17

Quant Time: Aug 14 12:14:53 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	7.04	168	901196	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1301830	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	911054	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	318215	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	432191	44.87	ug/l	-0.01
Spiked Amount			Recovery	=	89.74%	
35) Dibromofluoromethane	6.92	113	501571	45.75	ug/l	-0.01
Spiked Amount			Recovery	=	91.50%	
50) Toluene-d8	10.41	98	964014	39.99	ug/l	-0.01
Spiked Amount			Recovery	=	79.98%	
62) 4-Bromofluorobenzene	13.56	95	323772	29.63	ug/l	0.00
Spiked Amount			Recovery	=	59.26%	

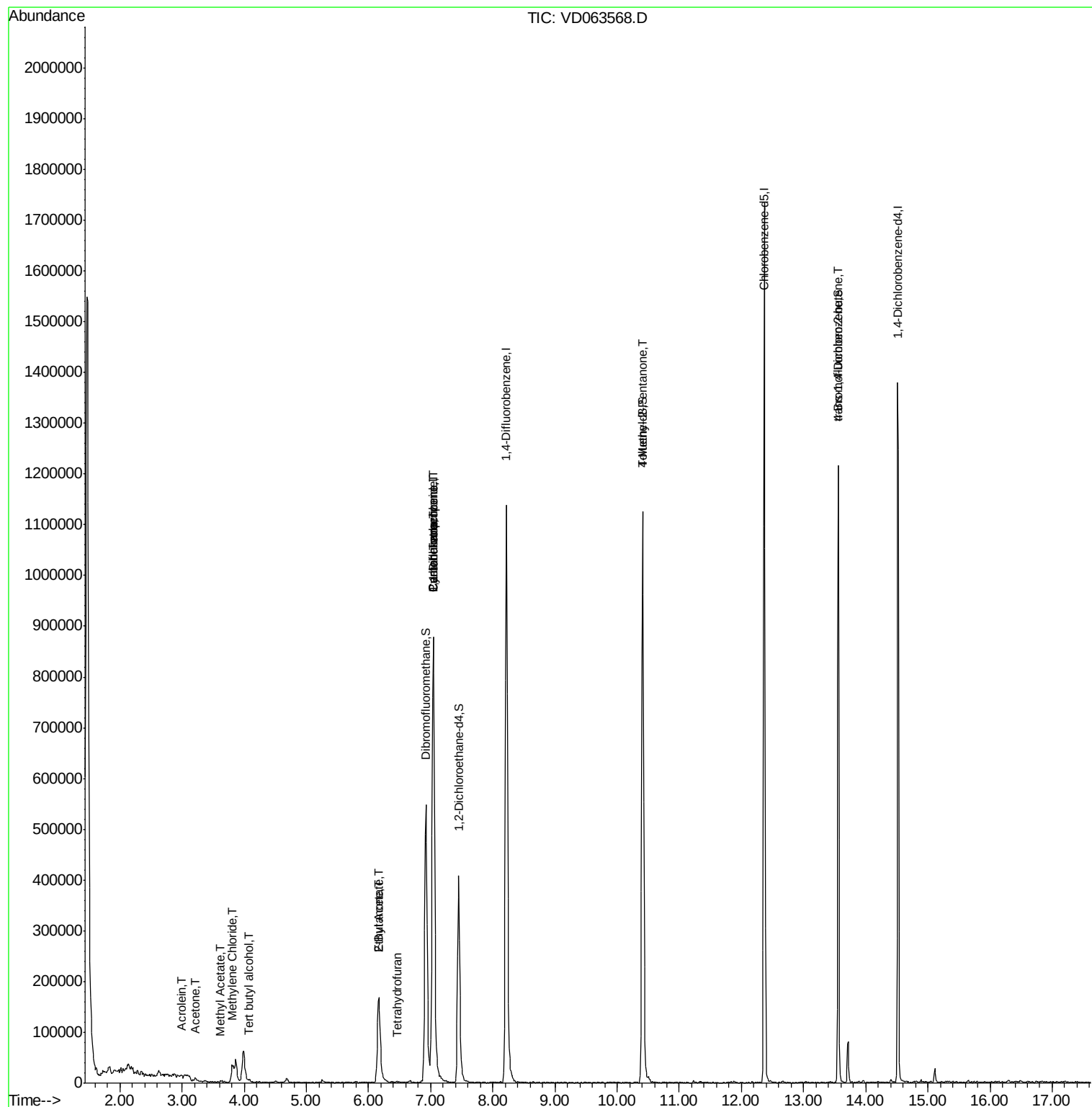
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	6399	15.259	ug/l #	71
13) Acrolein	2.99	56	788	1.909	ug/l	84
16) Acetone	3.21	43	15253	7.789	ug/l	100
18) Methyl Acetate	3.63	43	4920	1.326	ug/l #	57
20) Methylene Chloride	3.80	84	19579	2.312	ug/l	92
25) 2-Butanone	6.16	43	12600	6.515	ug/l #	58
29) Tetrahydrofuran	6.46	42	1338	1.485	ug/l #	51
31) Cyclohexane	7.04	56	19914	2.290	ug/l #	16
36) 1,1-Dichloropropene	7.03	75	69702	6.057	ug/l #	47
37) Ethyl Acetate	6.16	43	12600	2.613	ug/l #	1
38) Carbon Tetrachloride	7.05	117	87877	5.067	ug/l #	17
51) 4-Methyl-2-Pentanone	10.42	43	5066	1.146	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	143108	145.794	ug/l #	1

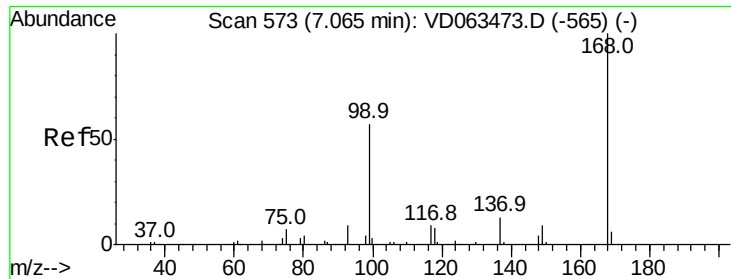
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

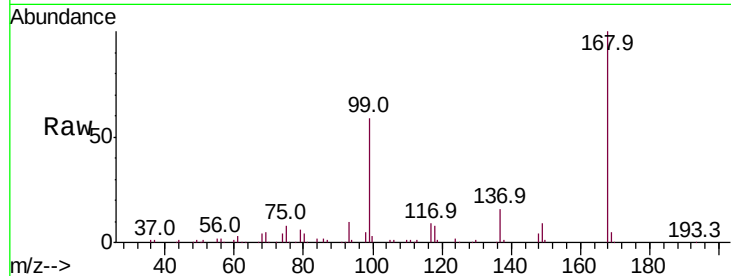
TP-17

Tot Ion:168 Resp: 901196

Ion Ratio Lower Upper

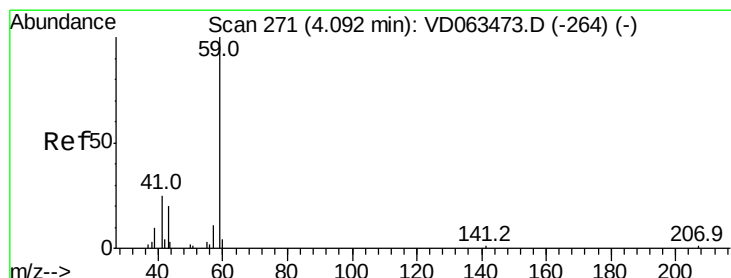
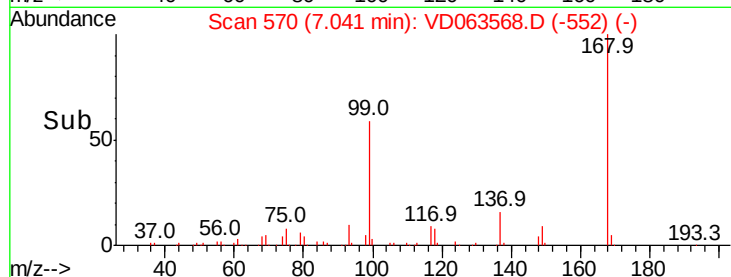
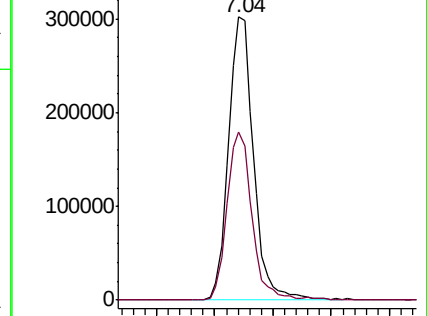
168 100

99 59.5 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: 15.259 ug/l

RT: 4.09 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD063568.D

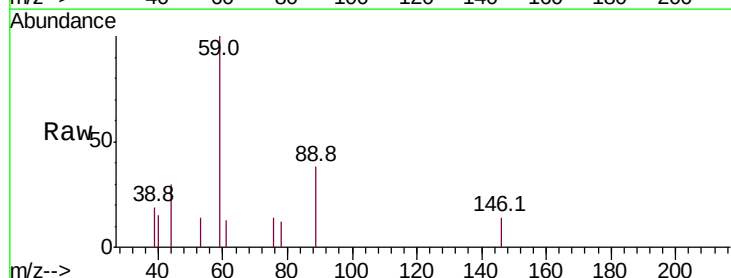
Acq: 14 Aug 2019 11:38

Tgt Ion: 59 Resp: 6399

Ion Ratio Lower Upper

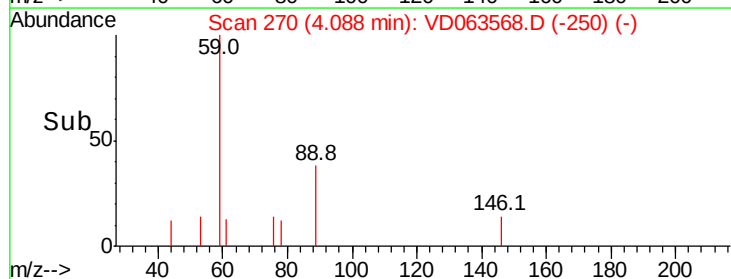
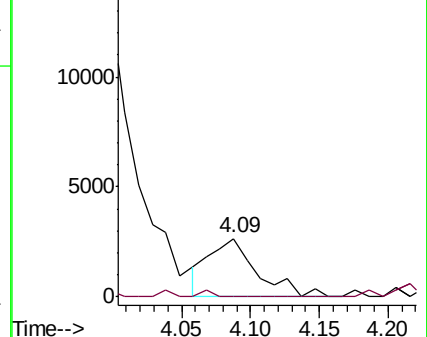
59 100

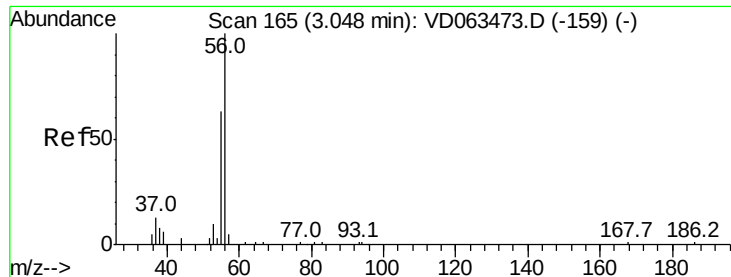
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.909 ug/l

RT: 2.99 min Scan# 159

Delta R.T. -0.05 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

MSVOA_D

ClientSampled :

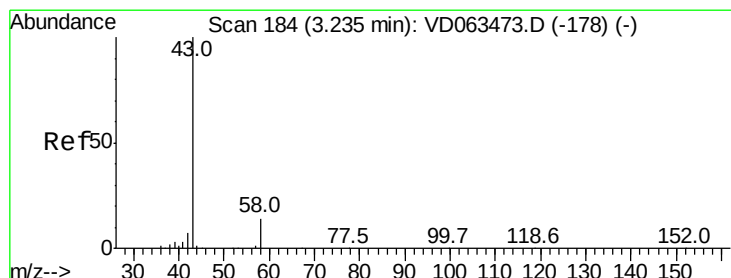
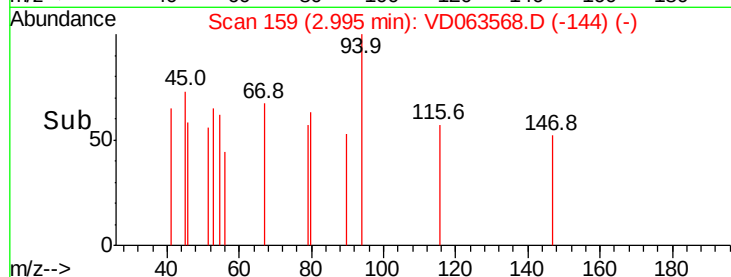
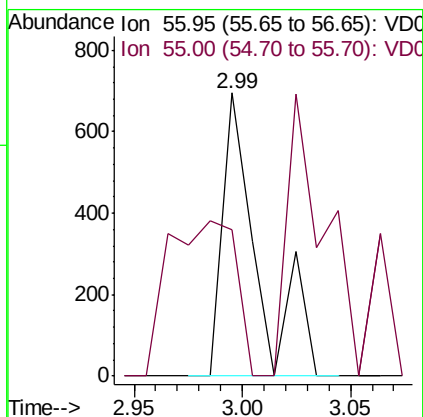
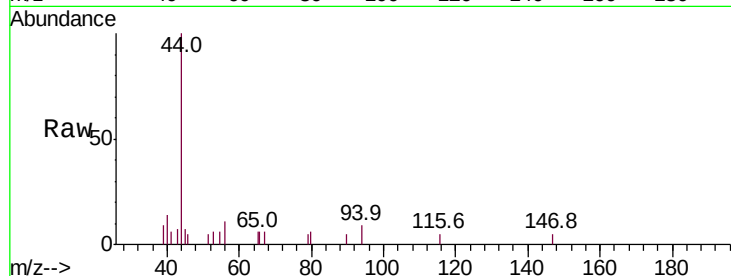
TP-17

Tot Ion: 56 Resp: 788

Ion Ratio Lower Upper

56 100

55 51.9 51.3 76.9



#16

Acetone

Concen: 7.789 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063568.D

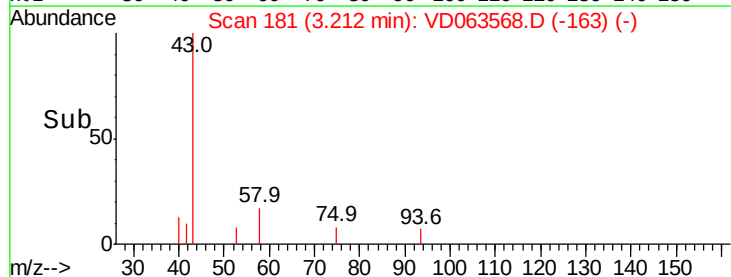
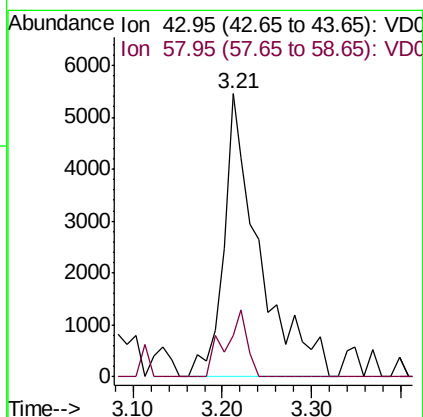
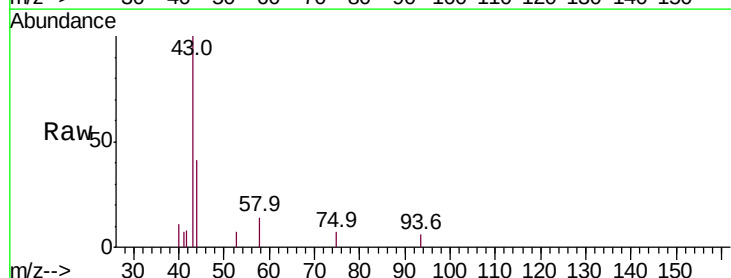
Acq: 14 Aug 2019 11:38

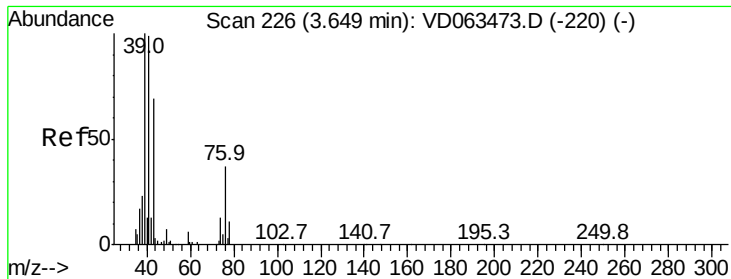
Tgt Ion: 43 Resp: 15253

Ion Ratio Lower Upper

43 100

58 14.5 11.4 17.2

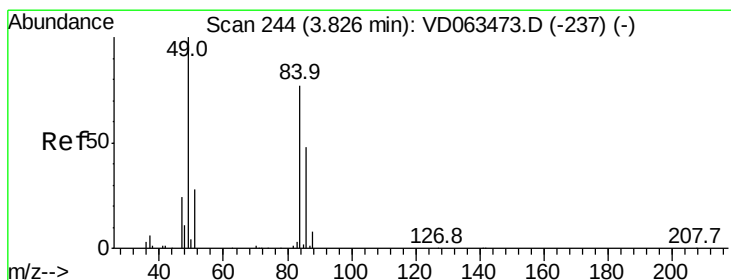
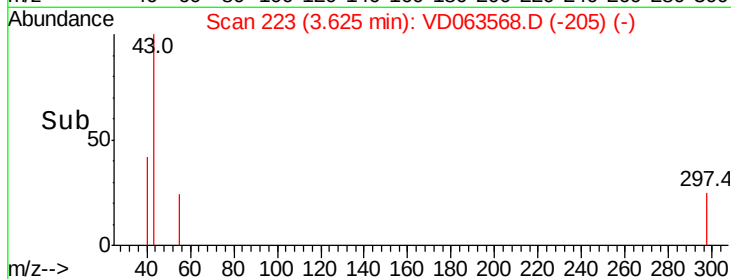
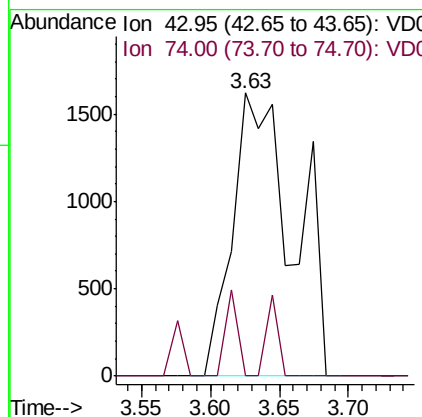
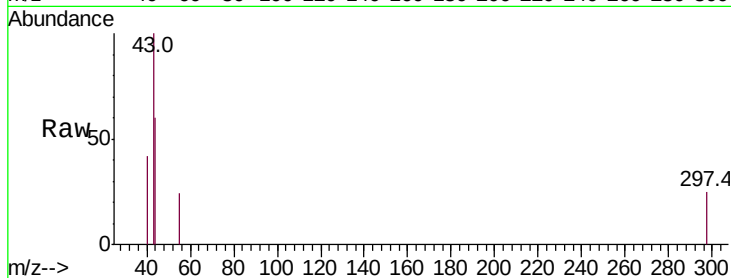




#18
Methvl Acetate
Concen: 1.326 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD063568.D
Acq: 14 Aug 2019 11:38

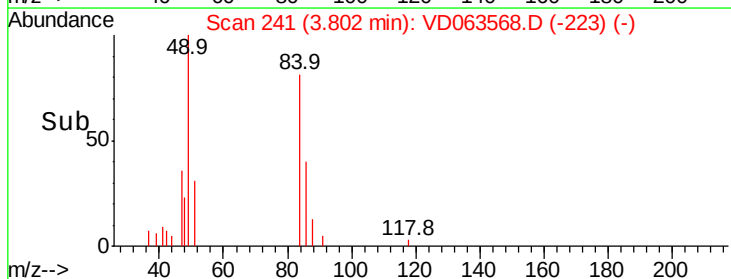
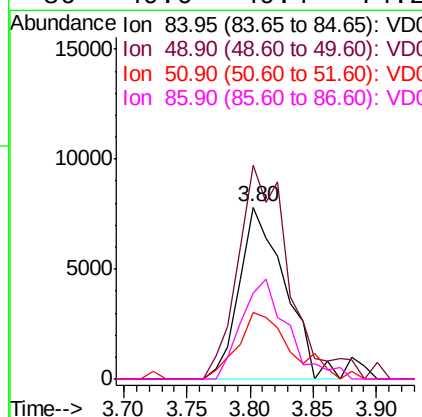
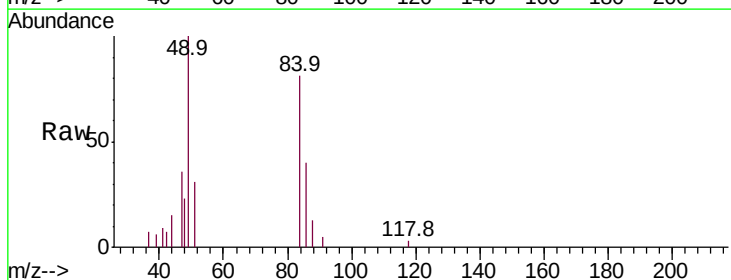
Instrument :
MSVOA_D
ClientSampleId :
TP-17

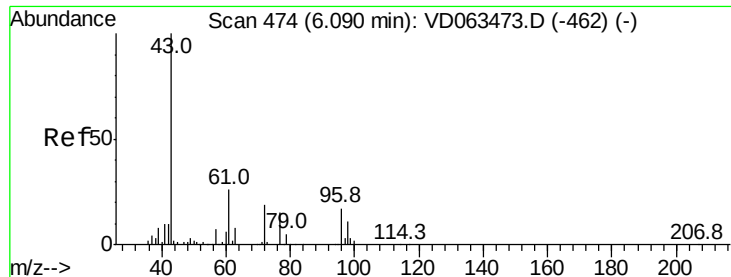
Tot Ion: 43 Resp: 4920
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 2.312 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063568.D
Acq: 14 Aug 2019 11:38

Tgt Ion: 84 Resp: 19579
Ion Ratio Lower Upper
84 100
49 124.1 103.4 155.2
51 39.0 28.5 42.7
86 49.6 49.4 74.2





#25

2-Butanone

Concen: 6.515 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.07 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

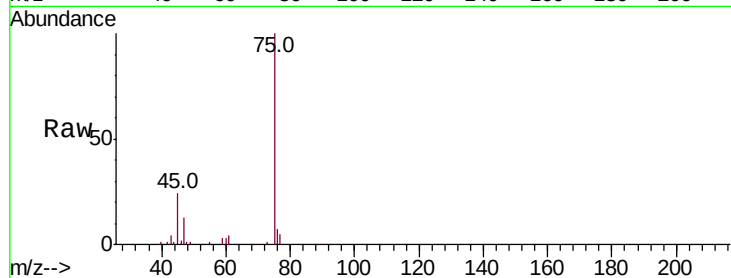
TP-17

Tot Ion: 43 Resp: 12600

Ion Ratio Lower Upper

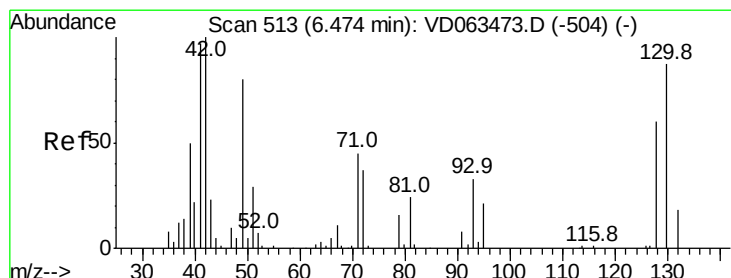
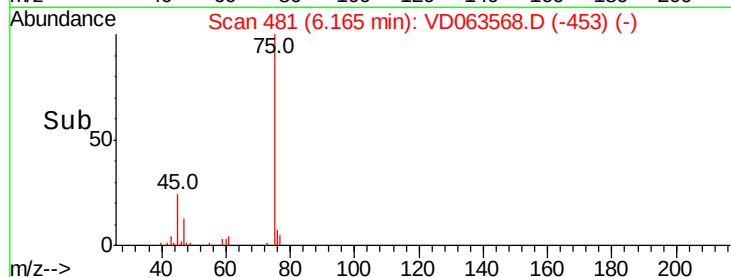
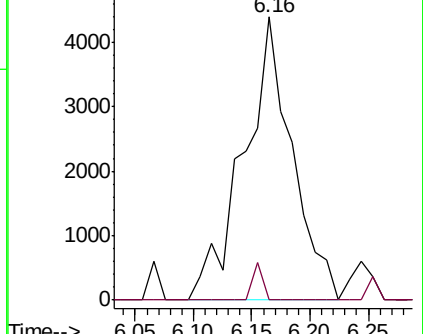
43 100

72 0.0 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.485 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

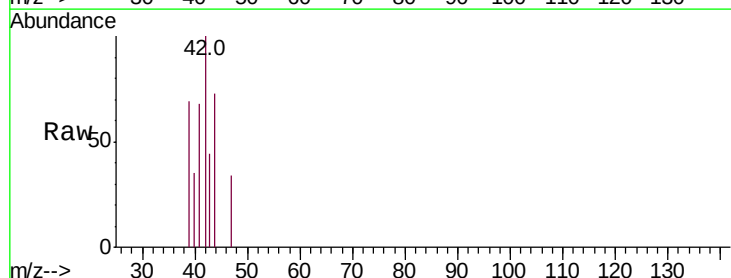
Tgt Ion: 42 Resp: 1338

Ion Ratio Lower Upper

42 100

72 21.5 31.5 47.3#

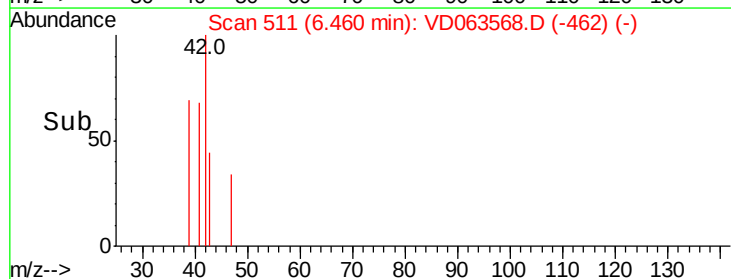
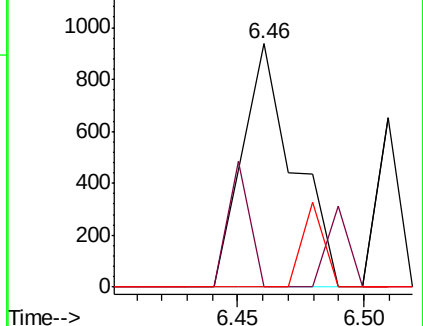
71 0.0 33.8 50.8#

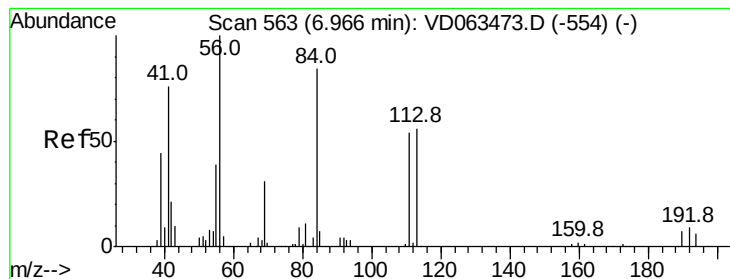


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.290 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

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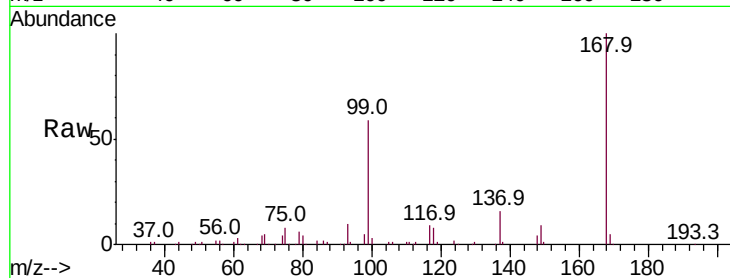
Tot Ion: 56 Resp: 19914

Ion Ratio Lower Upper

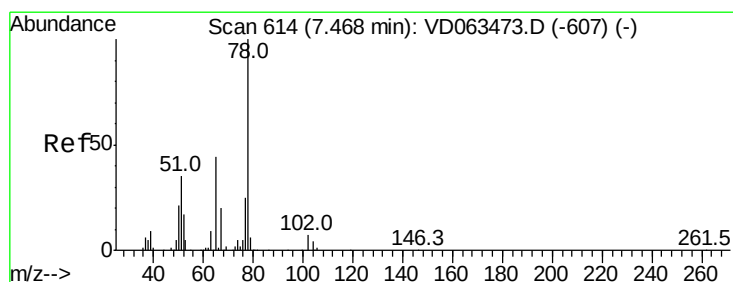
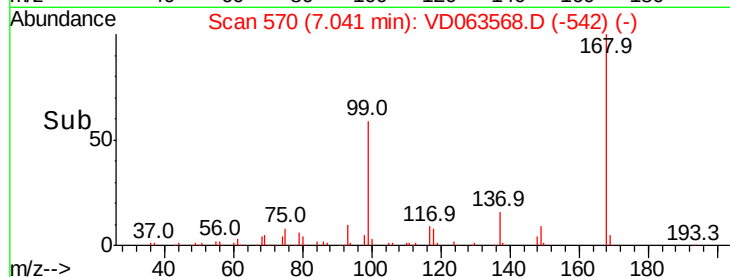
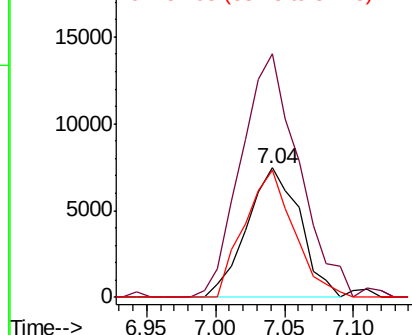
56 100

69 188.4 25.0 37.6#

84 98.2 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: 44.865 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063568.D

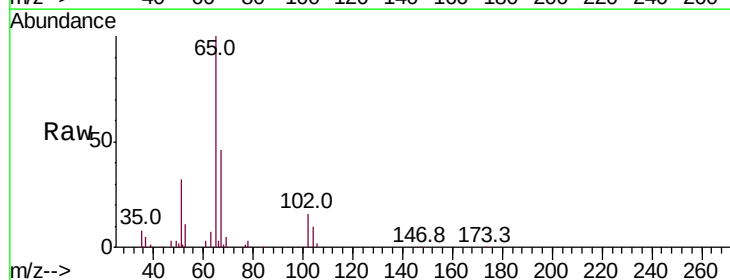
Acq: 14 Aug 2019 11:38

Tgt Ion: 65 Resp: 432191

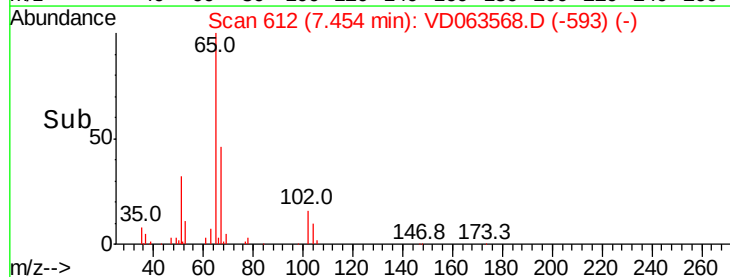
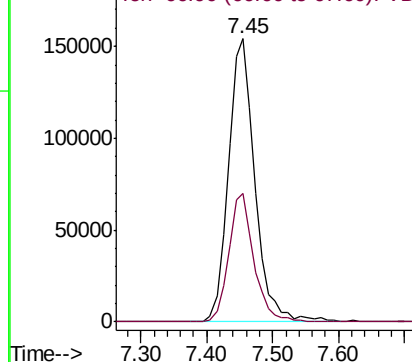
Ion Ratio Lower Upper

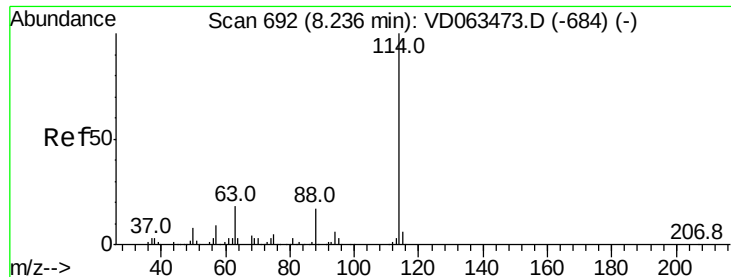
65 100

67 45.6 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. -0.01 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

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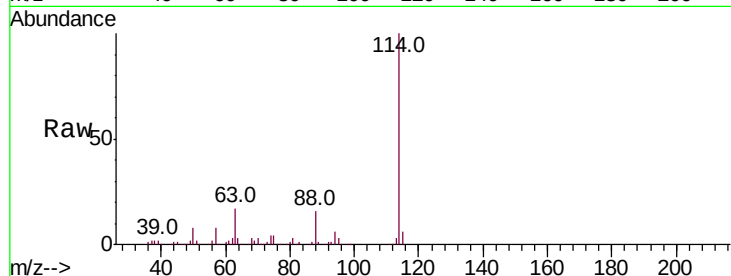
Tot Ion:114 Resp: 1301830

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.2

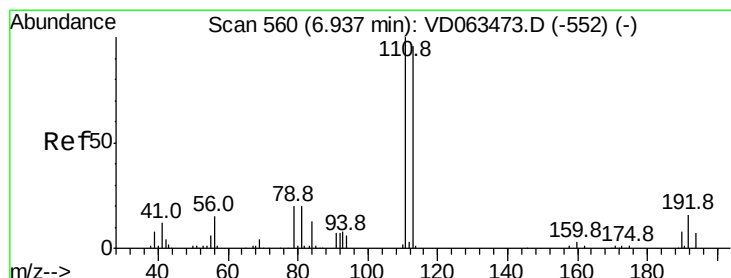
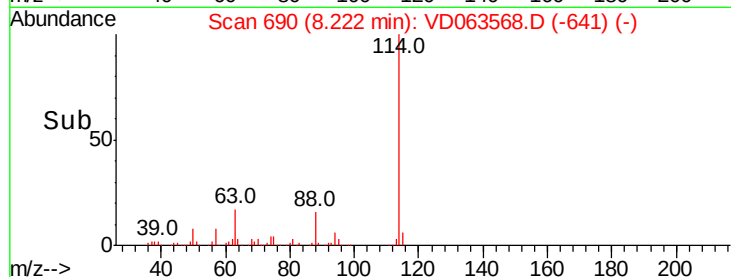
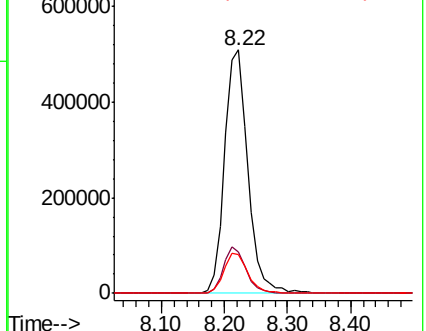
88 16.0 0.0 35.0



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: 45.747 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

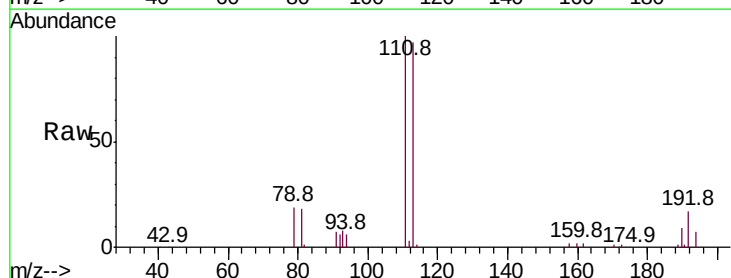
Tgt Ion:113 Resp: 501571

Ion Ratio Lower Upper

113 100

111 103.2 83.1 124.7

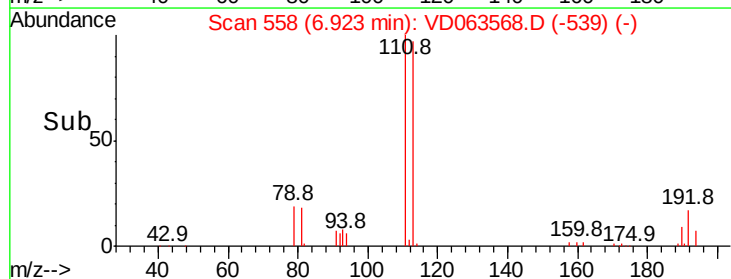
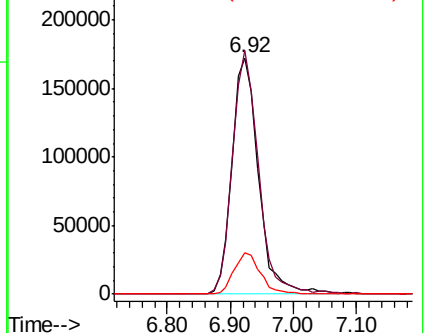
192 17.6 13.1 19.7

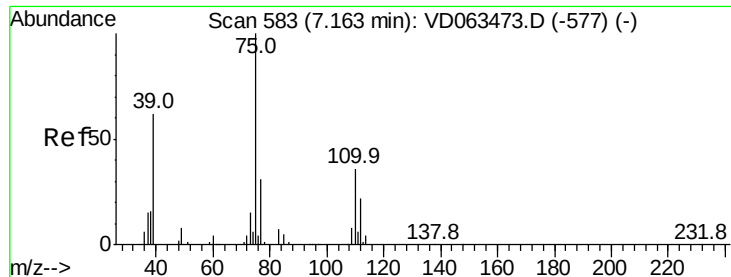


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.057 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

MSVOA_D

ClientSampled :

TP-17

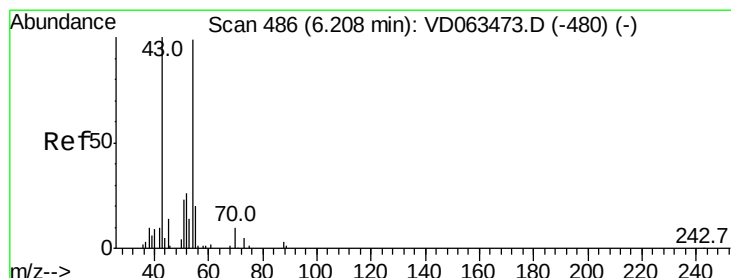
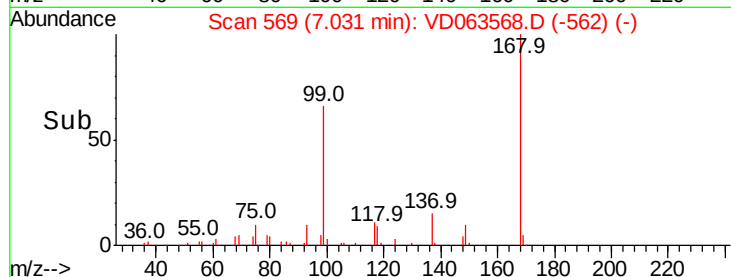
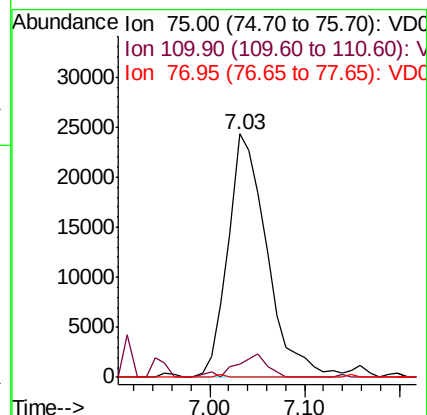
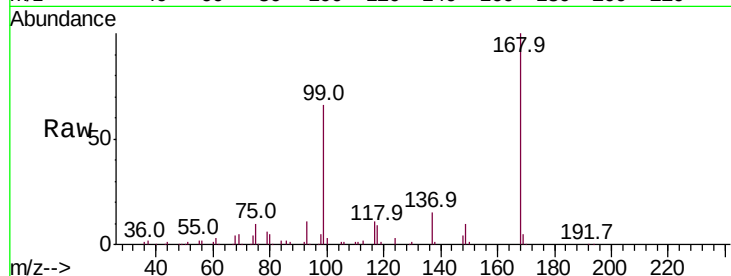
Tot Ion: 75 Resp: 69702

Ion Ratio Lower Upper

75 100

110 5.4 17.6 52.8#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 2.613 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.04 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

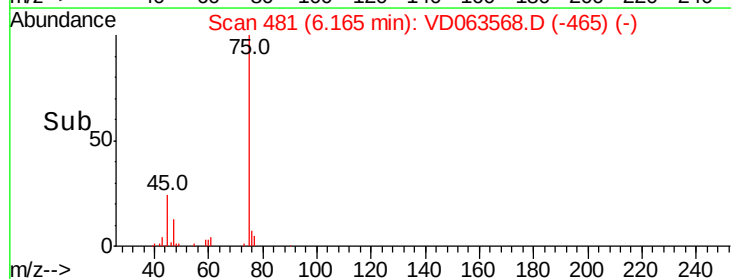
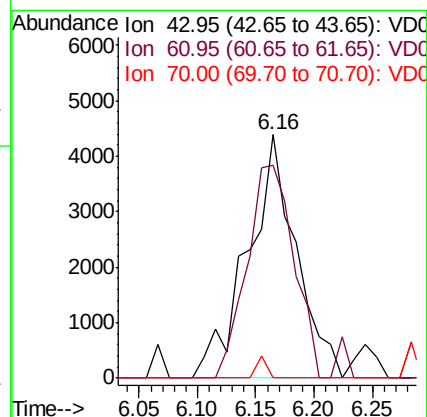
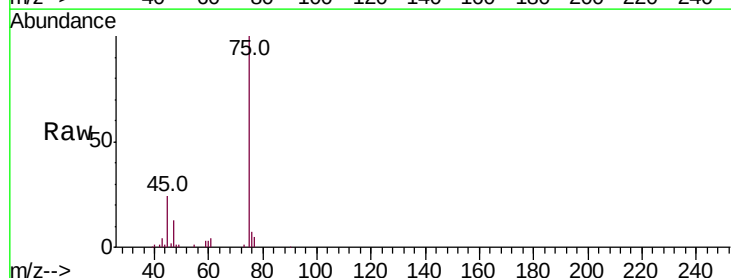
Tgt Ion: 43 Resp: 12600

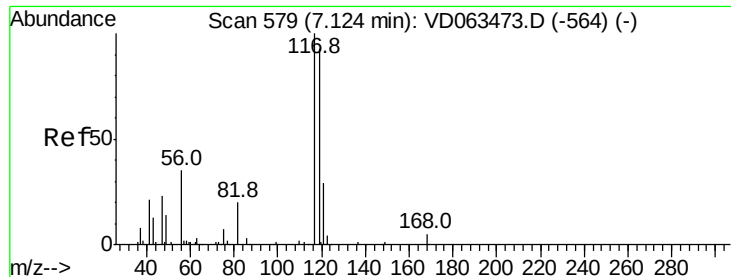
Ion Ratio Lower Upper

43 100

61 87.7 9.0 13.6#

70 0.0 6.9 10.3#

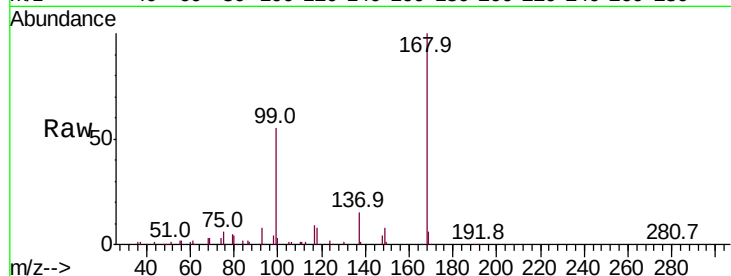




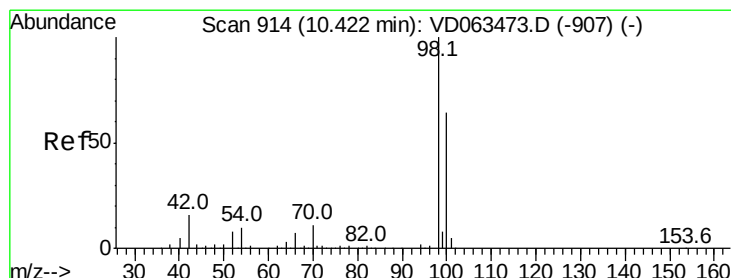
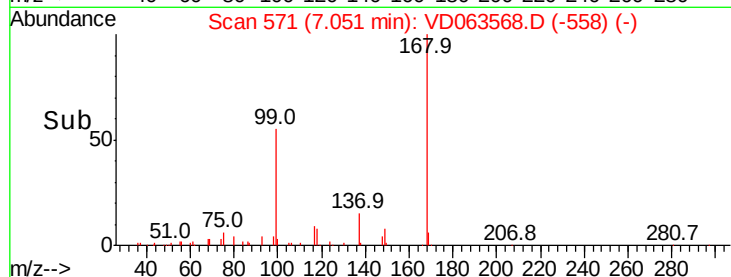
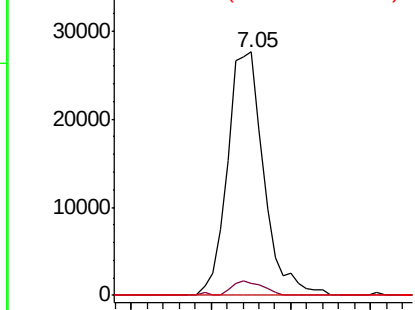
#38
Carbon Tetrachloride
Concen: 5.067 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD063568.D
Acq: 14 Aug 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
TP-17

Tot Ion:117 Resp: 87877
Ion Ratio Lower Upper
117 100
119 4.7 74.2 111.2#
121 0.0 23.1 34.7#

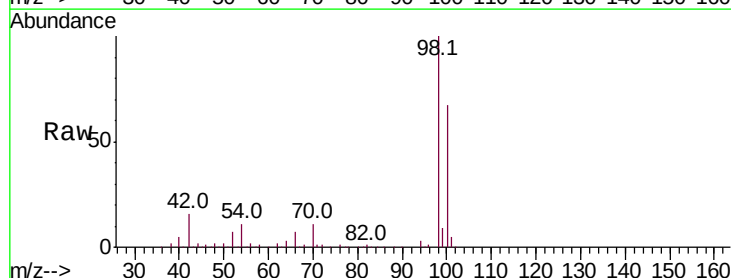


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

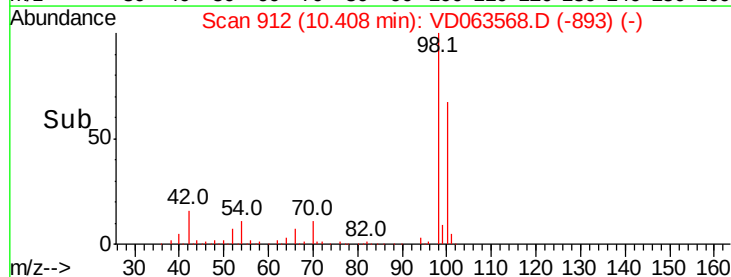
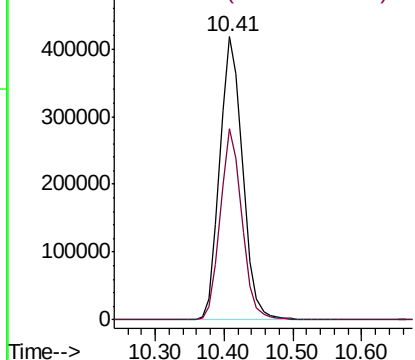


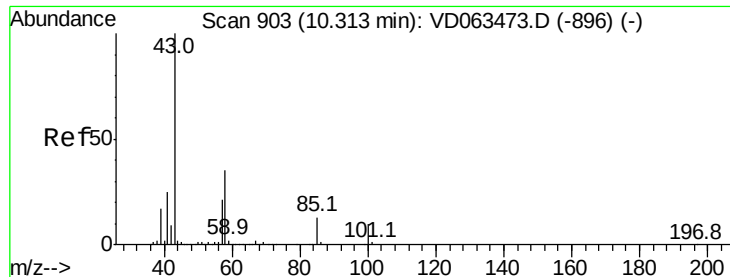
#50
Toluene-d8
Concen: 39.992 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063568.D
Acq: 14 Aug 2019 11:38

Tgt Ion: 98 Resp: 964014
Ion Ratio Lower Upper
98 100
100 67.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.146 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.10 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

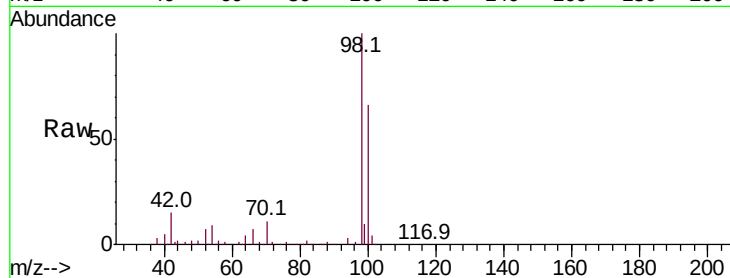
TP-17

Tot Ion: 43 Resp: 5066

Ion Ratio Lower Upper

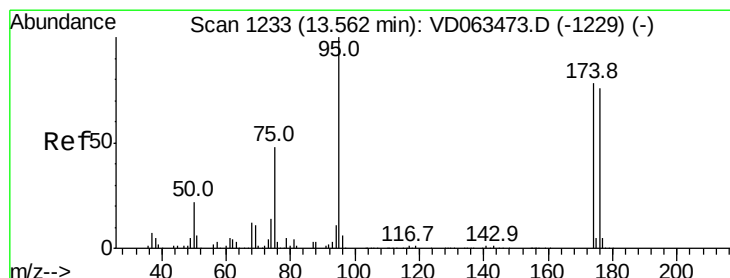
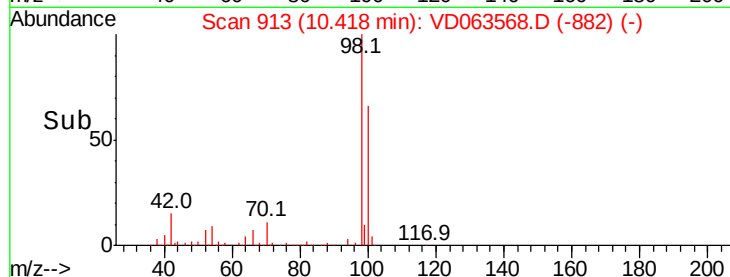
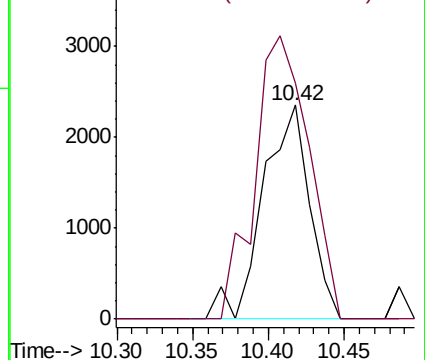
43 100

58 110.0 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 29.635 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

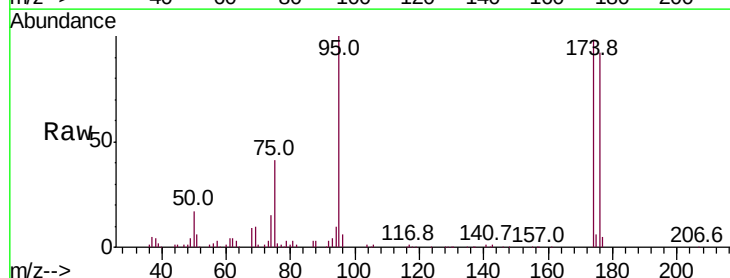
Tgt Ion: 95 Resp: 323772

Ion Ratio Lower Upper

95 100

174 97.5 0.0 155.4

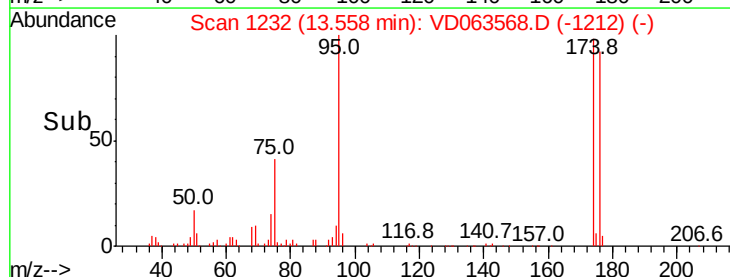
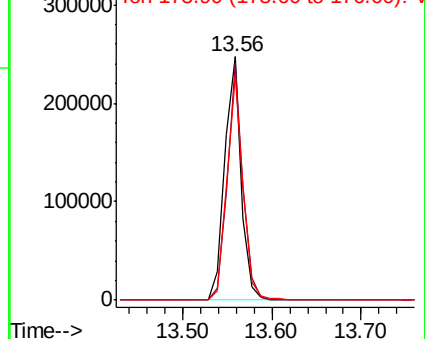
176 92.1 0.0 152.4

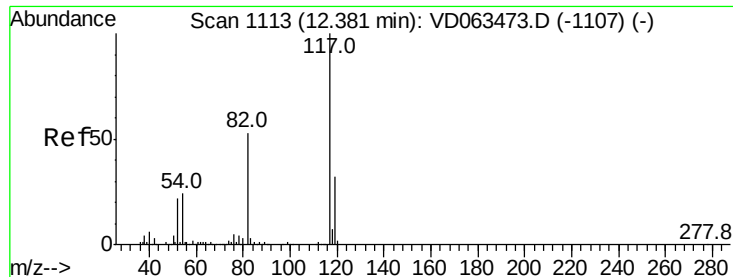


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

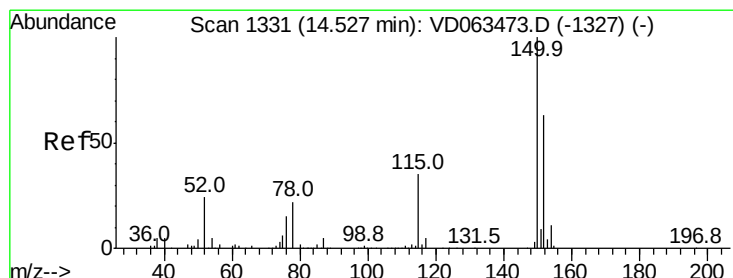
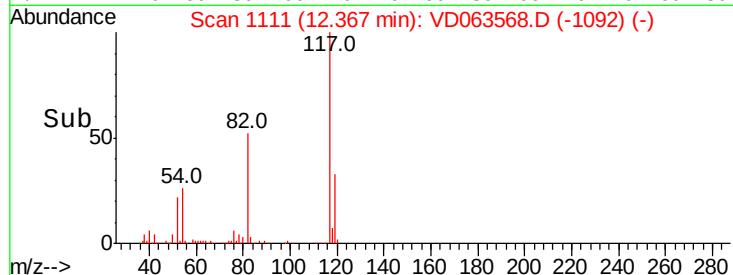
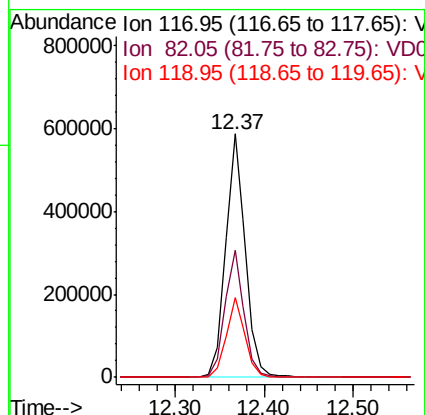
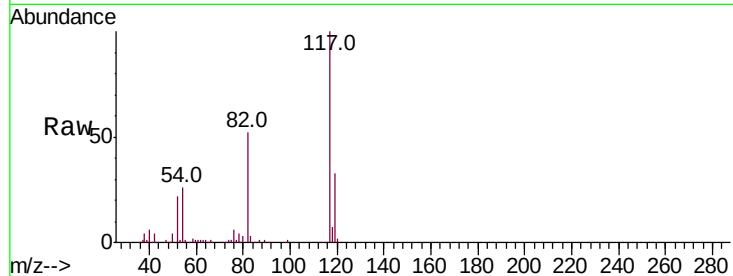




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063568.D
Acq: 14 Aug 2019 11:38

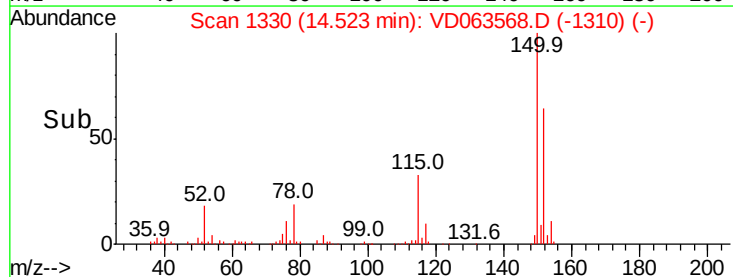
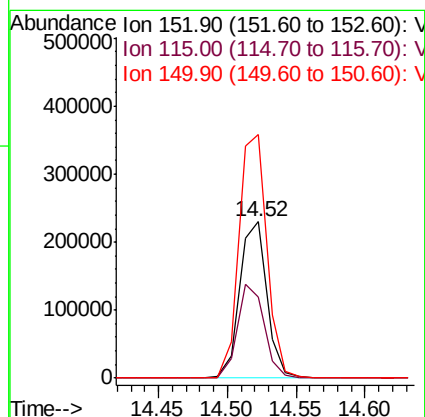
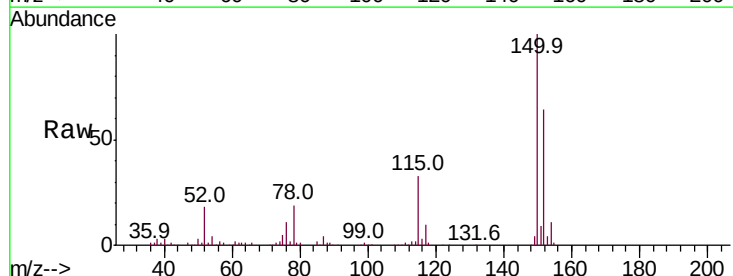
Instrument :
MSVOA_D
ClientSampleId :
TP-17

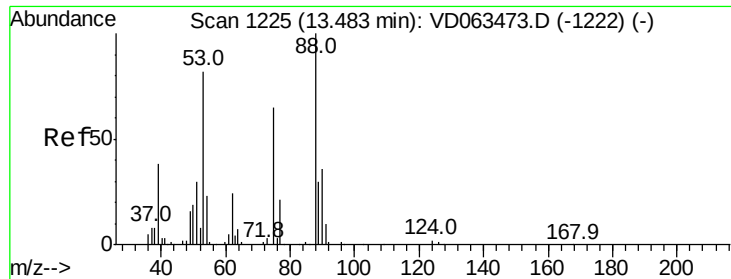
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.0	63.0
119	32.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063568.D
Acq: 14 Aug 2019 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	30.9	92.7
150	155.6	0.0	318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 145.794 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063568.D

Acq: 14 Aug 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

TP-17

Tot Ion: 75 Resp: 143108

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

