

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063220.D
 Acq On : 30 Jul 2019 2:39
 Operator : VA/AP
 Sample : K4049-07
 Misc : 4.05g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-7

Quant Time: Jul 30 04:04:19 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	7.04	168	237527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	334223	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	259517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	101989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	287783	109.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.38%	
35) Dibromofluoromethane	6.92	113	273650	95.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	191.80%	
50) Toluene-d8	10.41	98	453506	71.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.02%	
62) 4-Bromofluorobenzene	13.55	95	175077	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	

Target Compounds

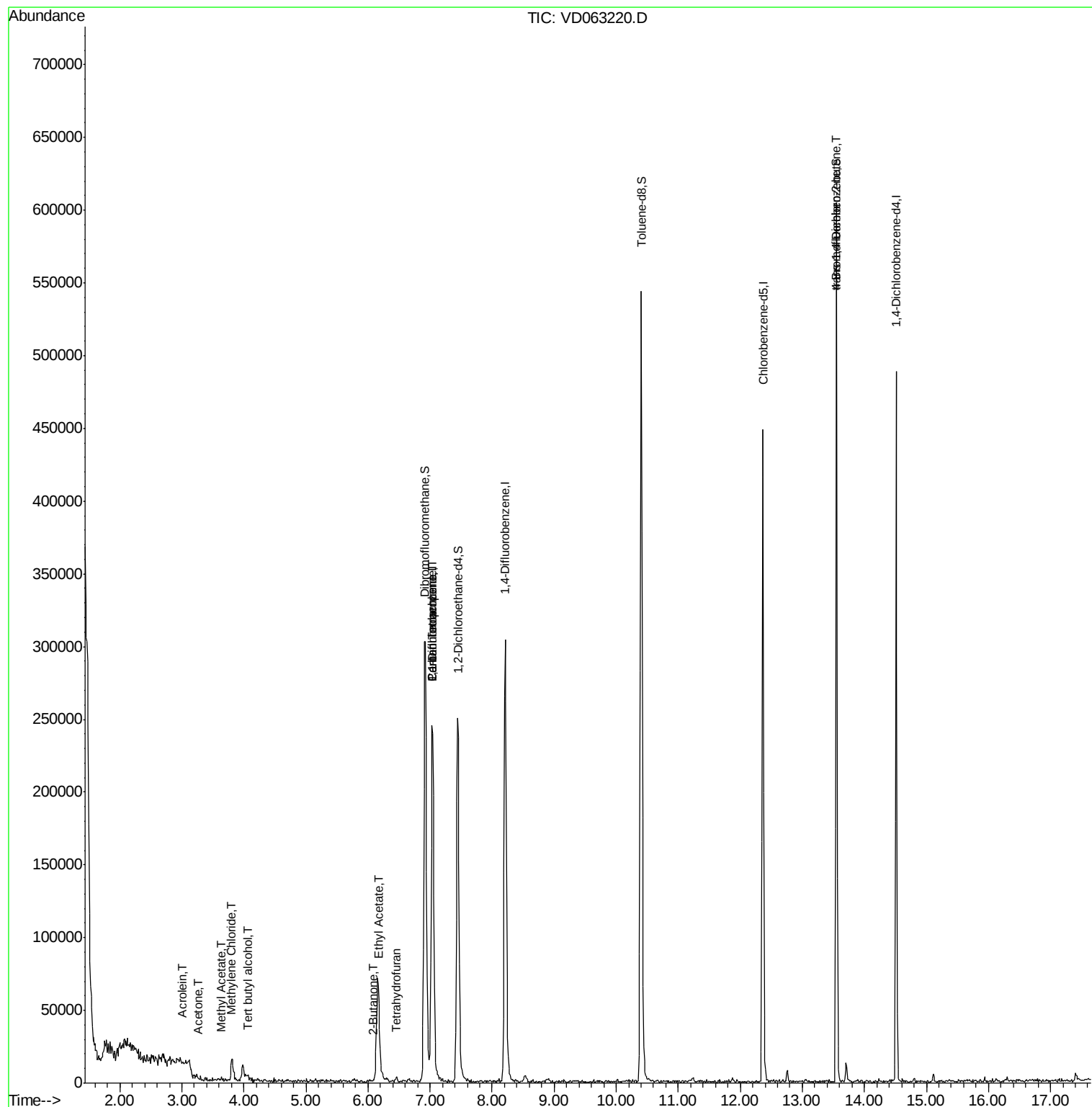
					Qvalue	
11) Tert butyl alcohol	4.06	59	5002	43.247	ug/l #	69
13) Acrolein	3.01	56	259	2.327	ug/l #	15
16) Acetone	3.27	43	711	1.385	ug/l #	62
18) Methyl Acetate	3.63	43	2680	2.717	ug/l #	60
20) Methylene Chloride	3.80	84	9381	4.519	ug/l	84
25) 2-Butanone	6.08	43	529	1.026	ug/l #	56
29) Tetrahydrofuran	6.45	42	658	2.697	ug/l #	32
36) 1,1-Dichloropropene	7.03	75	20438	6.701	ug/l #	53
37) Ethyl Acetate	6.18	43	6346	4.631	ug/l #	70
38) Carbon Tetrachloride	7.04	117	26508	5.773	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.55	75	88442	259.999	ug/l #	3

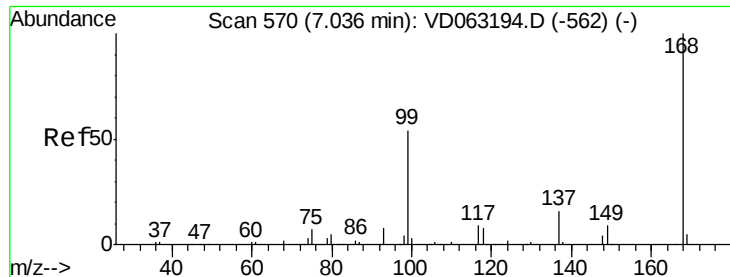
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Quant Time: Jul 30 04:04:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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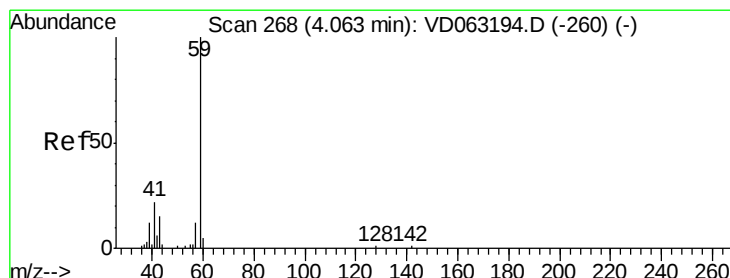
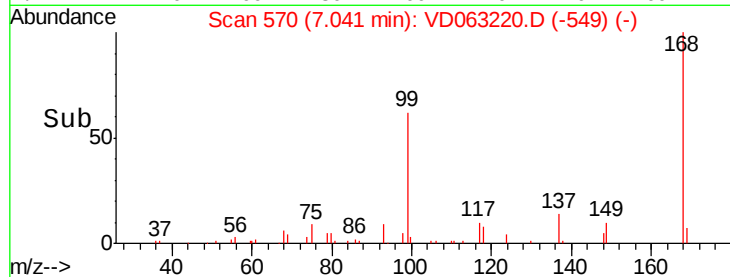
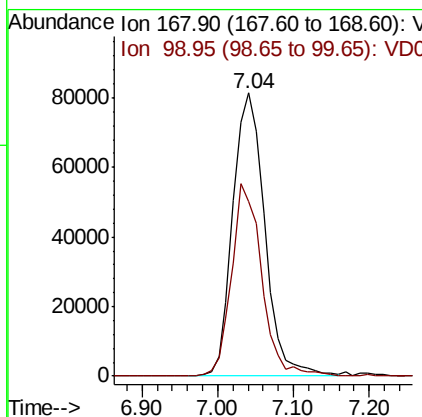
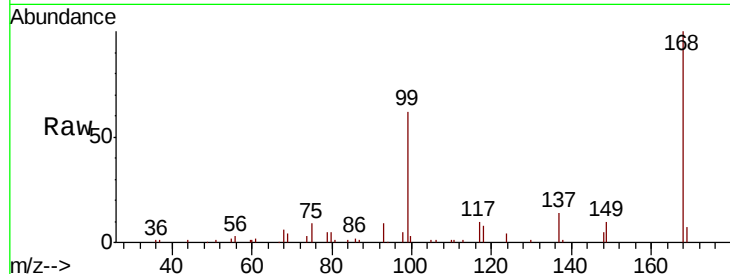




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

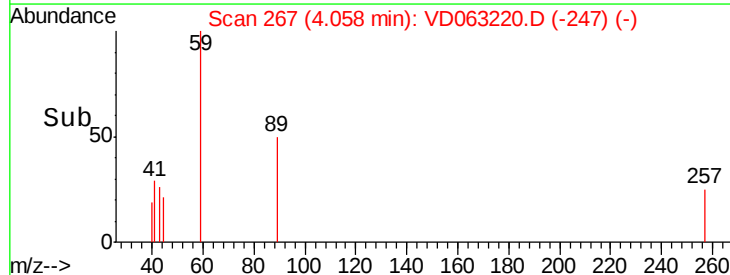
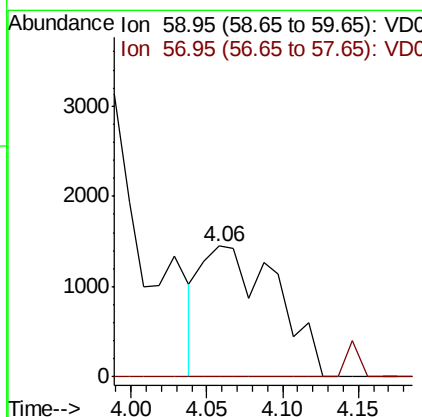
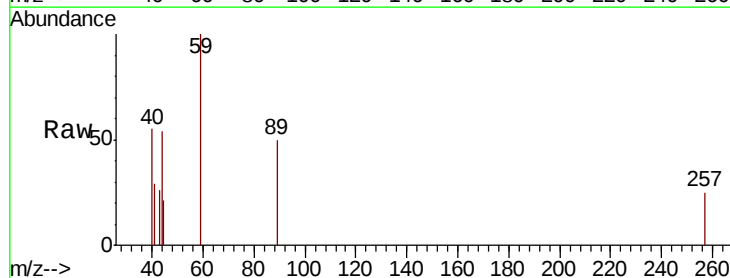
Instrument :
MSVOA_D
ClientSampled :
SP-7

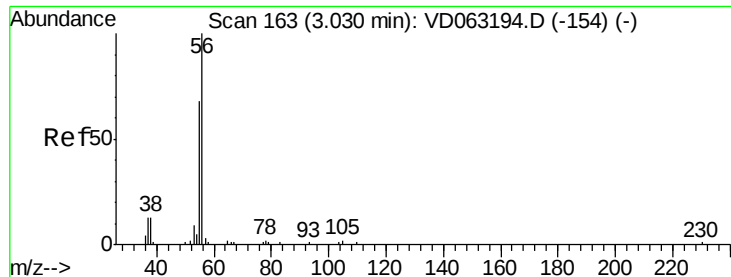
Tot Ion:168 Resp: 237527
Ion Ratio Lower Upper
168 100
99 61.6 43.7 65.5



#11
Tert butyl alcohol
Concen: 43.247 ug/l
RT: 4.06 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

Tgt Ion: 59 Resp: 5002
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#





#13

Acrolein

Concen: 2.327 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

Instrument :

MSVOA_D

ClientSampled :

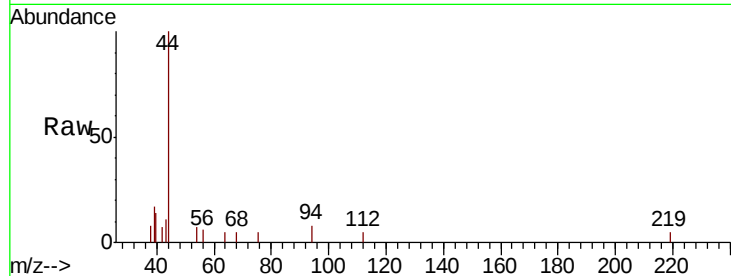
SP-7

Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

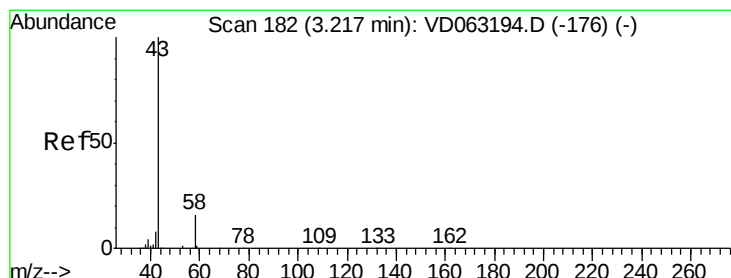
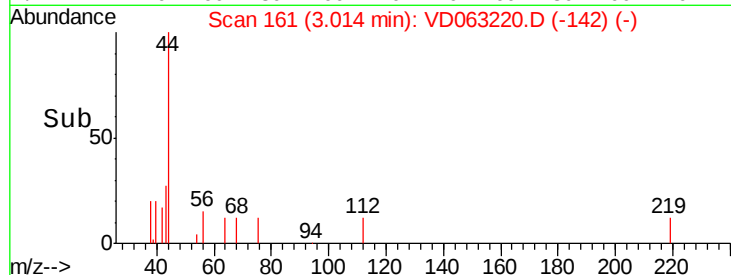
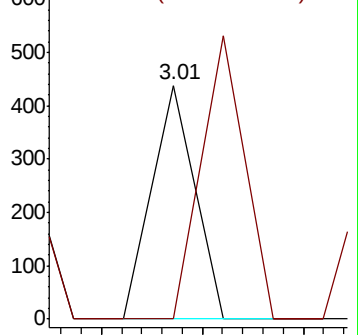
56 100

55 0.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1.385 ug/l

RT: 3.27 min Scan# 187

Delta R.T. 0.05 min

Lab File: VD063220.D

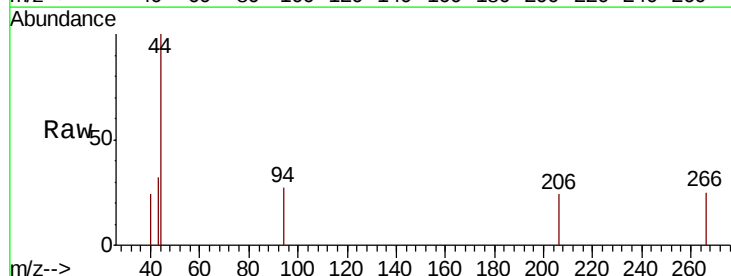
Acq: 30 Jul 2019 2:39

Tgt Ion: 43 Resp: 711

Ion Ratio Lower Upper

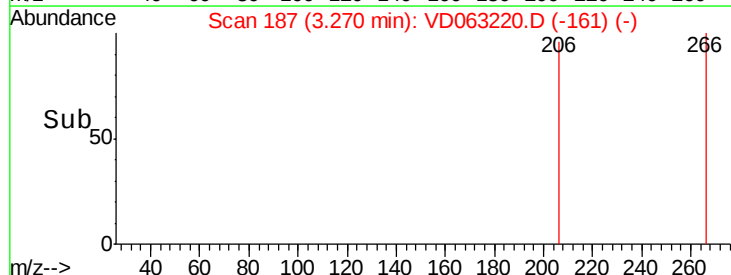
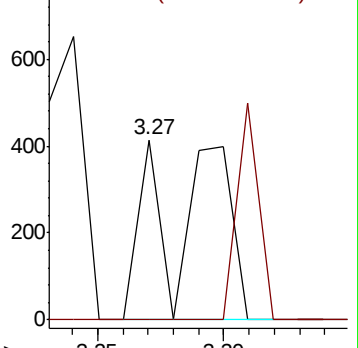
43 100

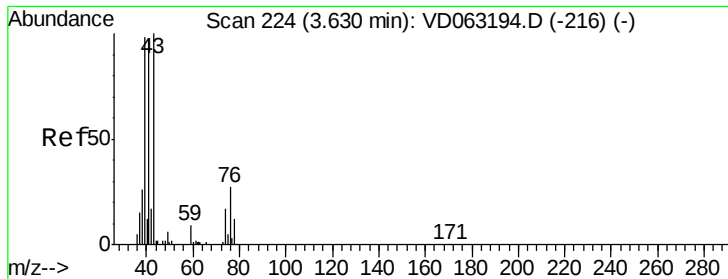
58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

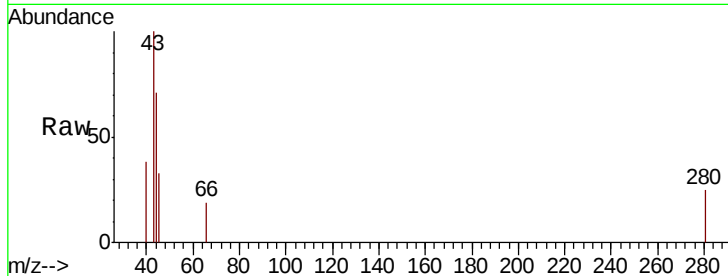




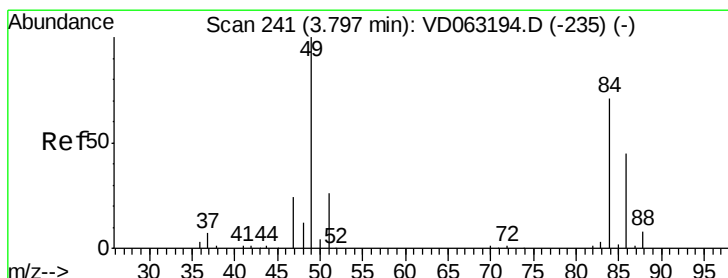
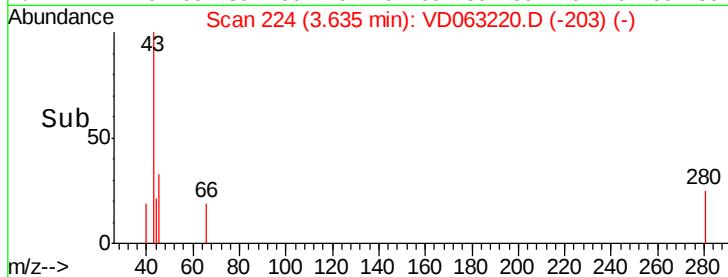
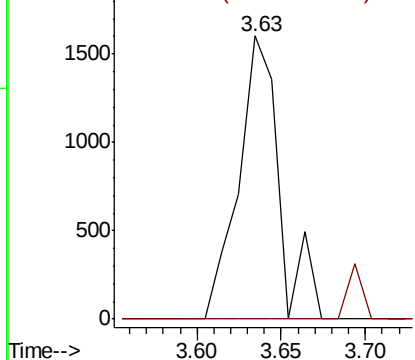
#18
Methyl Acetate
Concen: 2.717 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
SP-7

Tot Ion: 43 Resp: 2680
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.8#

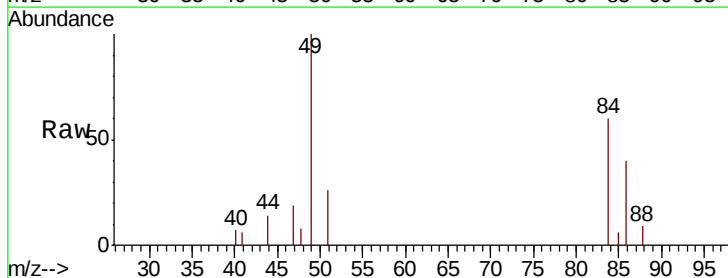


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

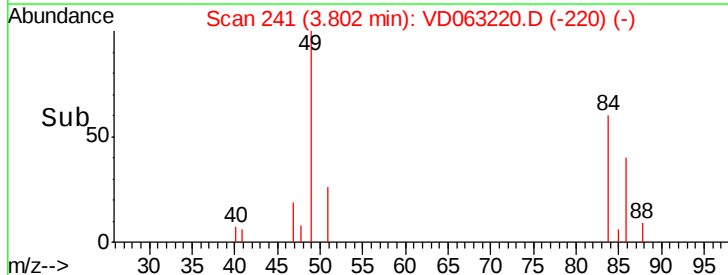
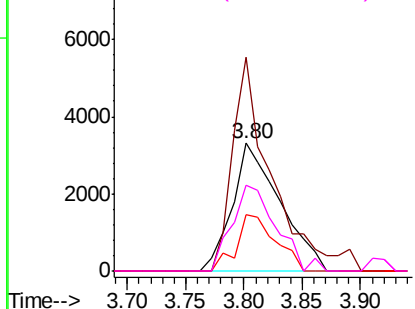


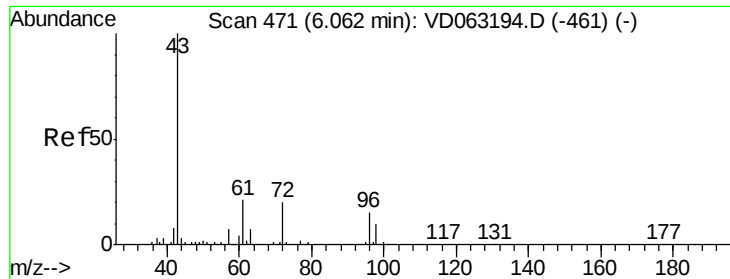
#20
Methylene Chloride
Concen: 4.519 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

Tgt Ion: 84 Resp: 9381
Ion Ratio Lower Upper
84 100
49 167.4 112.5 168.7
51 44.3 29.6 44.4
86 67.2 50.4 75.6



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





#25

2-Butanone

Concen: 1.026 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

Instrument :

MSVOA_D

ClientSampled :

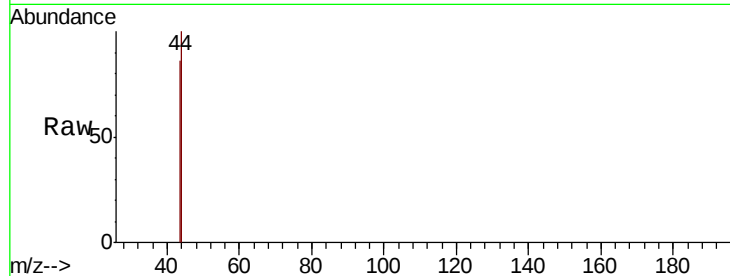
SP-7

Tot Ion: 43 Resp: 529

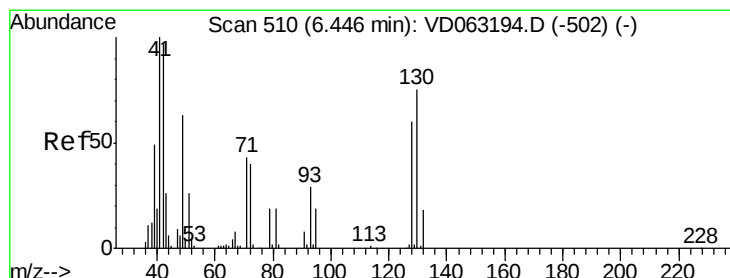
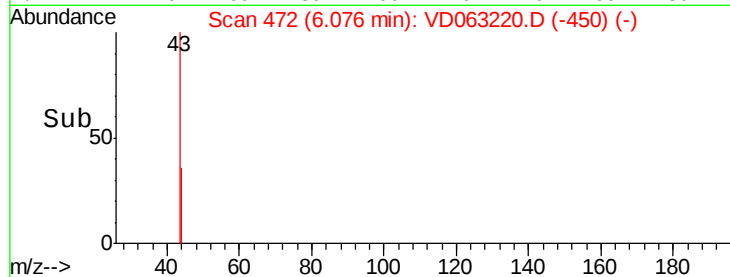
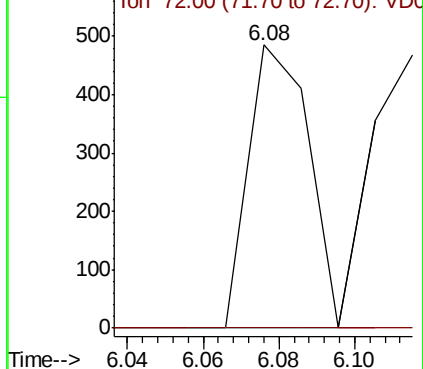
Ion Ratio Lower Upper

43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 2.697 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

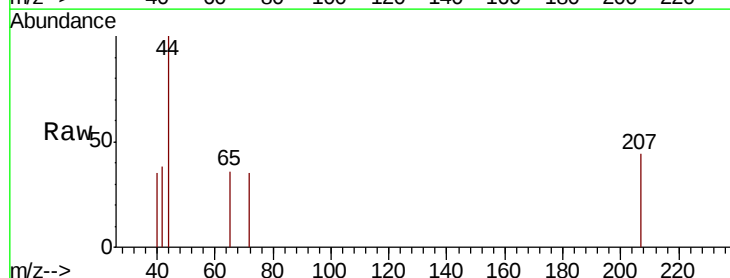
Tgt Ion: 42 Resp: 658

Ion Ratio Lower Upper

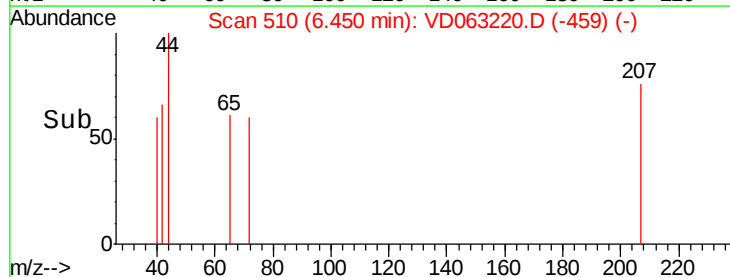
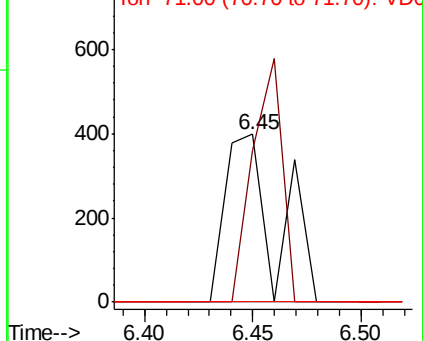
42 100

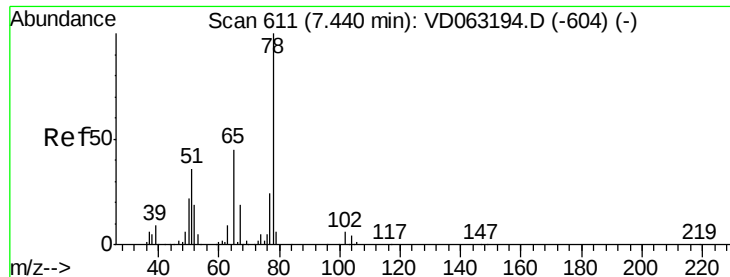
72 84.2 33.4 50.2#

71 0.0 35.7 53.5#



Abundance Ion 42.00 (41.70 to 42.70): VDC

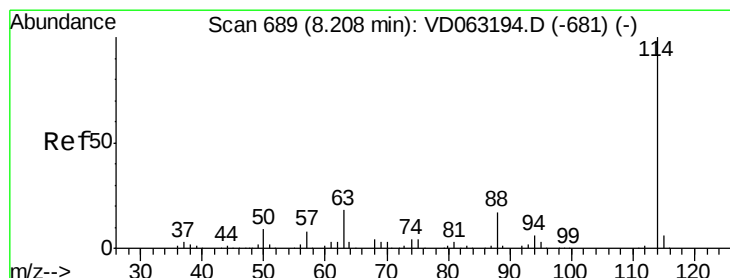
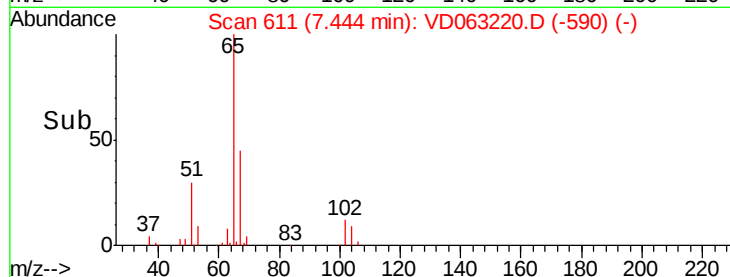
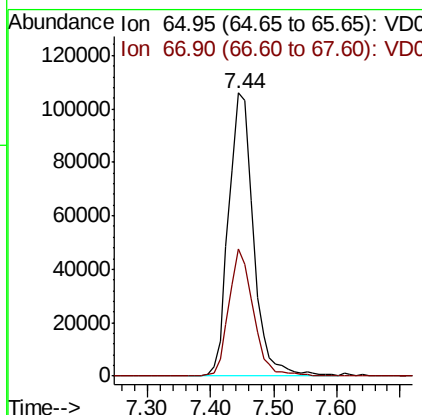
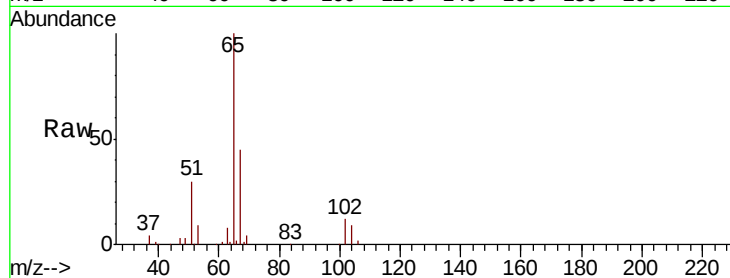




#33
 1,2-Dichloroethane-d4
 Concen: 109.191 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063220.D
 Acq: 30 Jul 2019 2:39

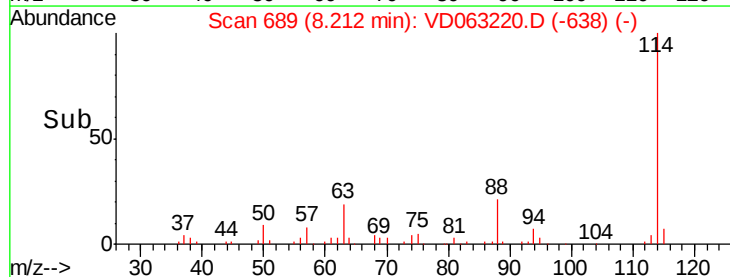
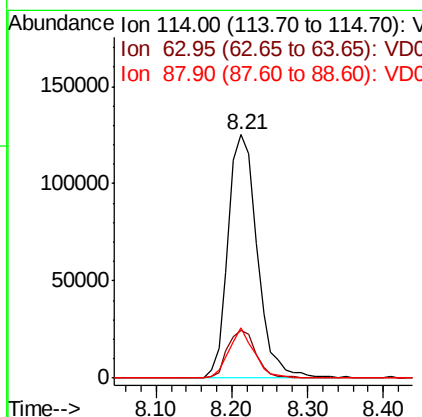
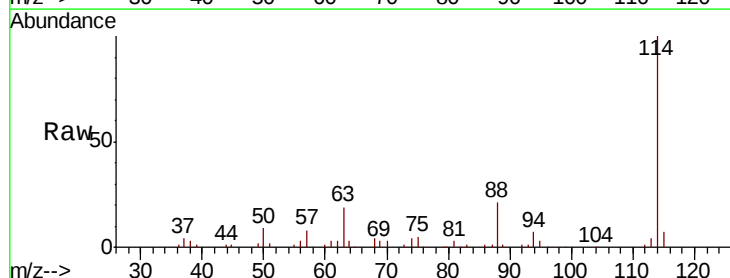
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-7

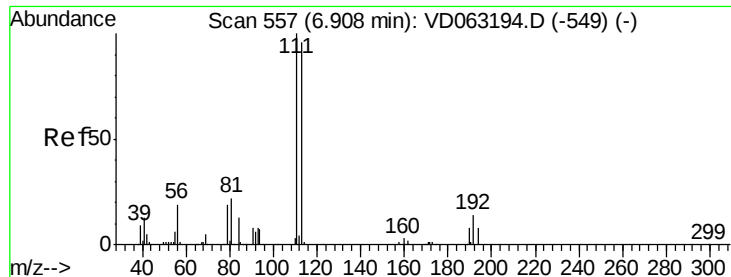
Tot Ion: 65 Resp: 287783
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063220.D
 Acq: 30 Jul 2019 2:39

Tgt Ion: 114 Resp: 334223
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 35.2
 88 20.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 95.898 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

SP-7

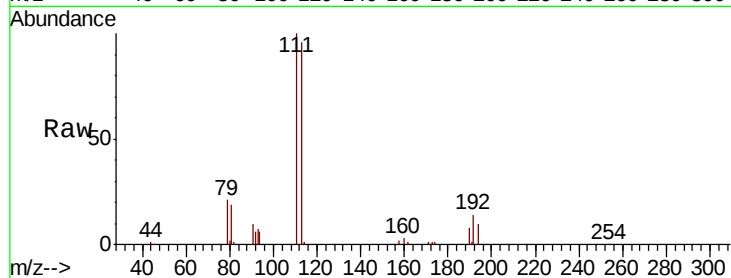
Tot Ion:113 Resp: 273650

Ion Ratio Lower Upper

113 100

111 104.5 83.2 124.8

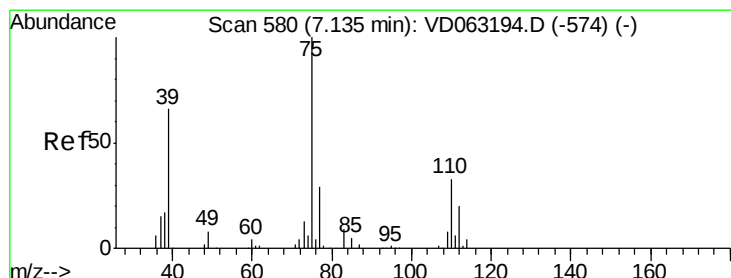
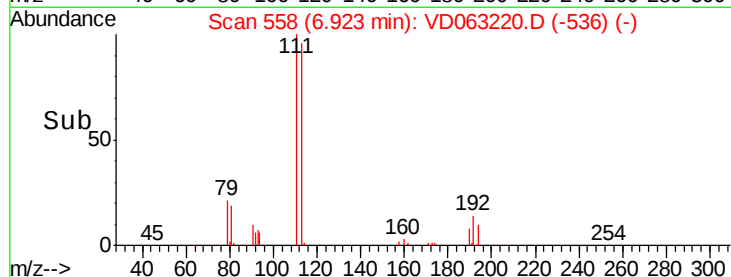
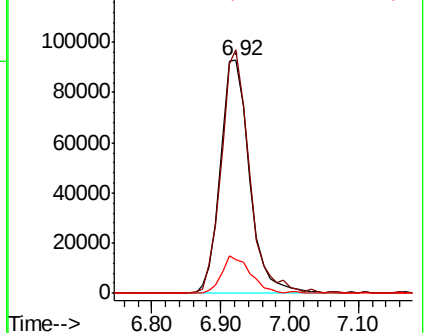
192 14.3 11.8 17.8



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: 6.701 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

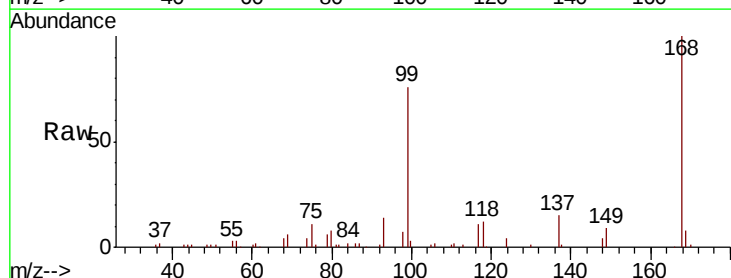
Tgt Ion: 75 Resp: 20438

Ion Ratio Lower Upper

75 100

110 9.5 16.1 48.2#

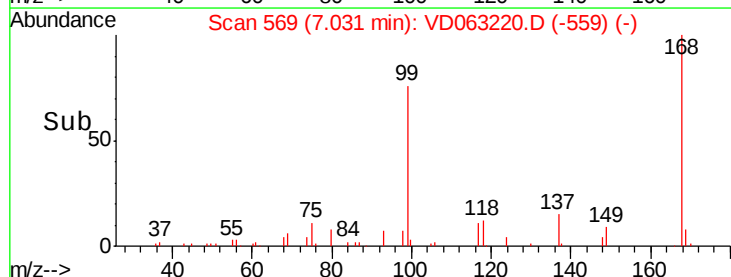
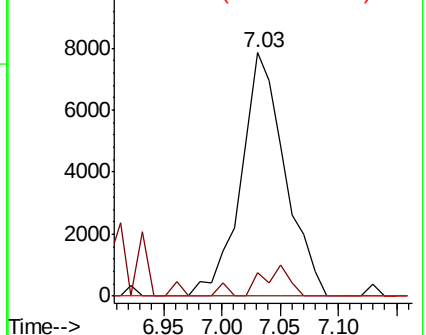
77 0.0 22.7 34.1#

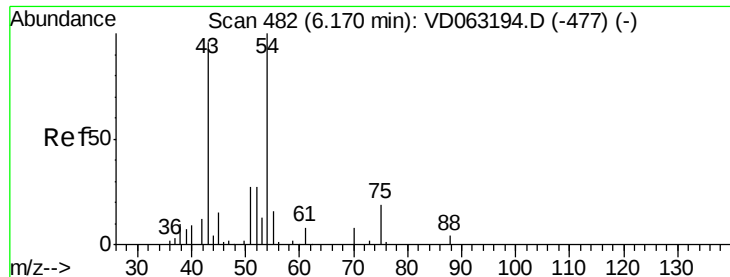


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 4.631 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

SP-7

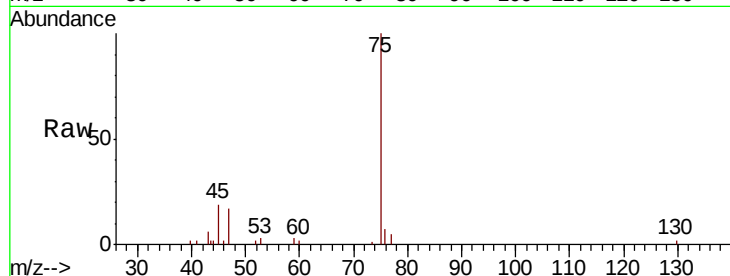
Tot Ion: 43 Resp: 6346

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

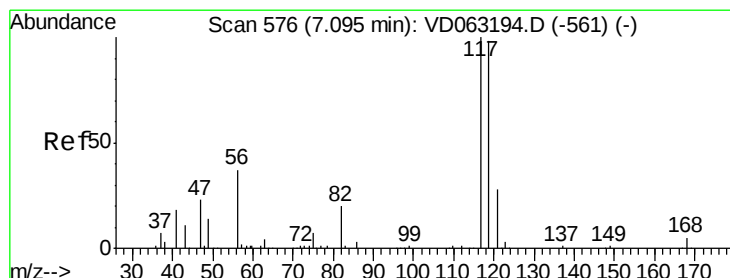
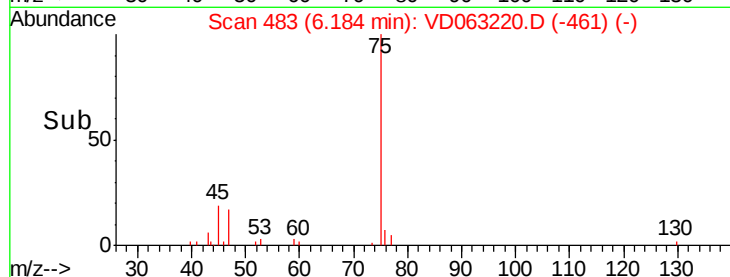
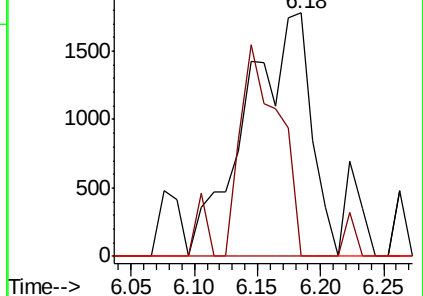
70 0.0 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.773 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

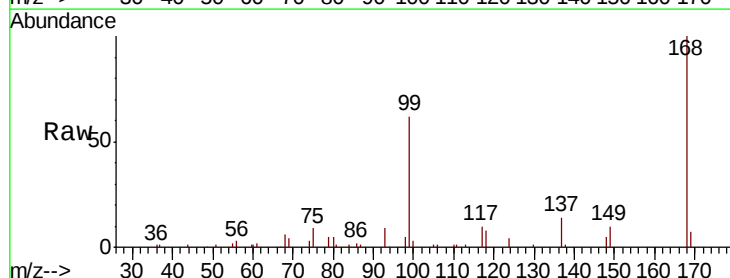
Tgt Ion: 117 Resp: 26508

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

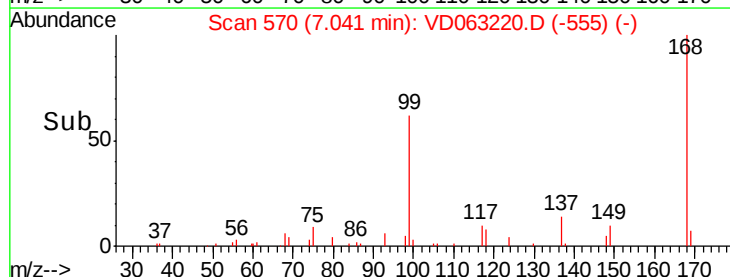
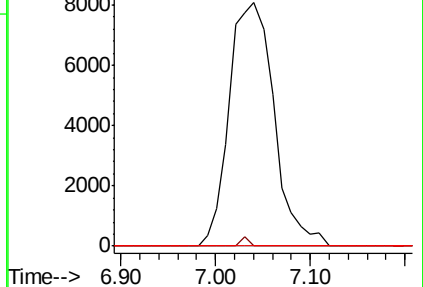
121 0.0 22.1 33.1#

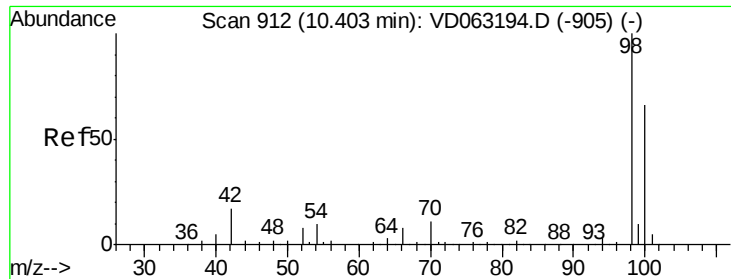


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

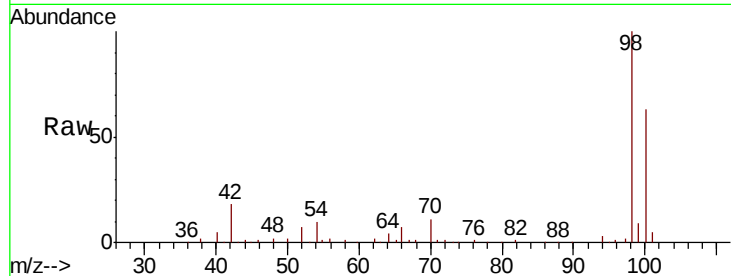




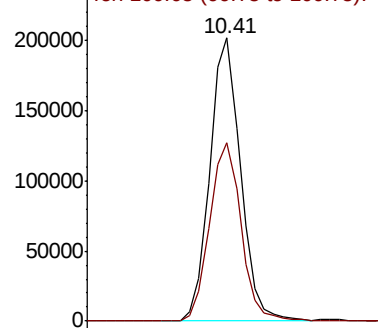
#50
Toluene-d8
Concen: 71.013 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
SP-7

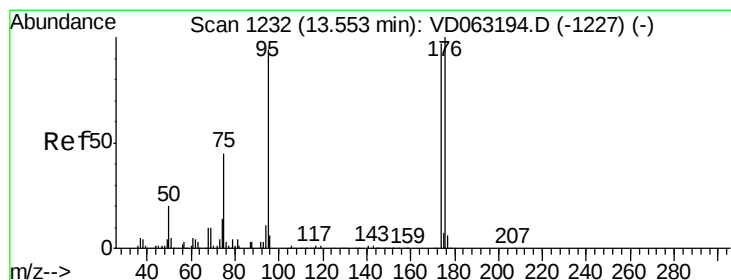
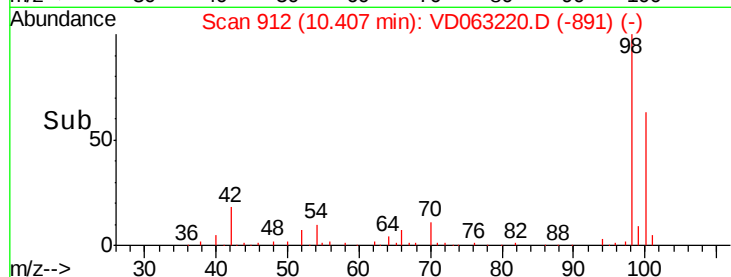
Tot Ion: 98 Resp: 453506
Ion Ratio Lower Upper
98 100
100 62.9 53.2 79.8



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

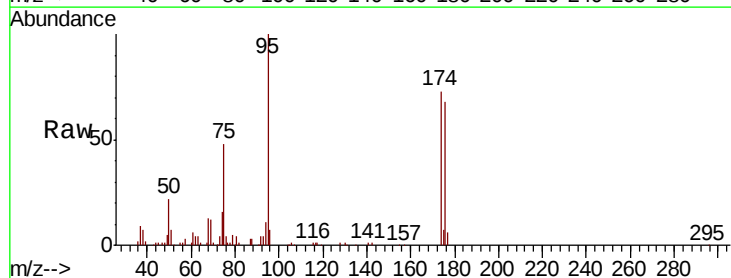


Time-->

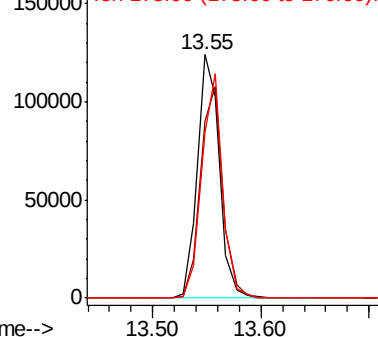


#62
4-Bromofluorobenzene
Concen: 60.160 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

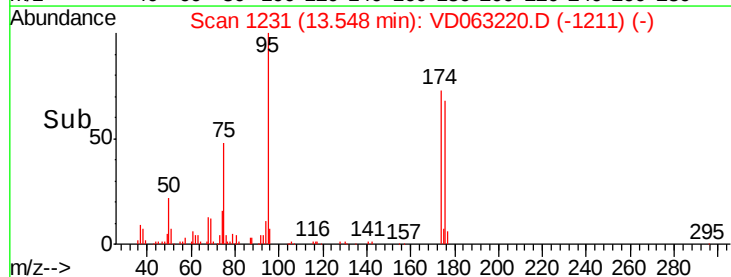
Tgt Ion: 95 Resp: 175077
Ion Ratio Lower Upper
95 100
174 72.5 0.0 205.4
176 68.1 0.0 211.8

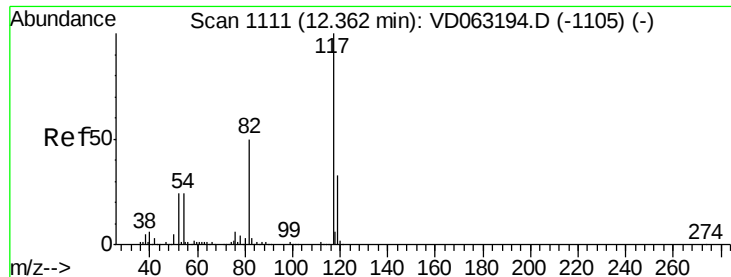


Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC



Time-->

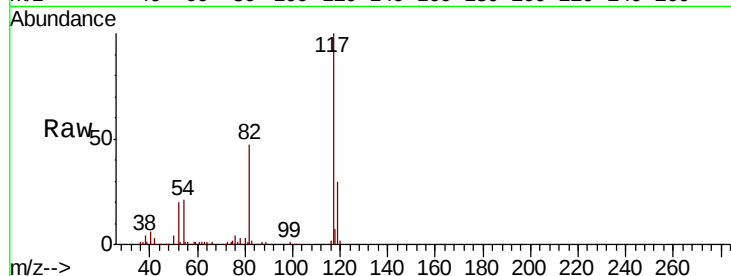




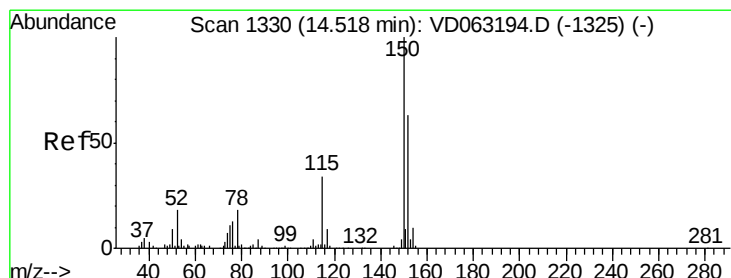
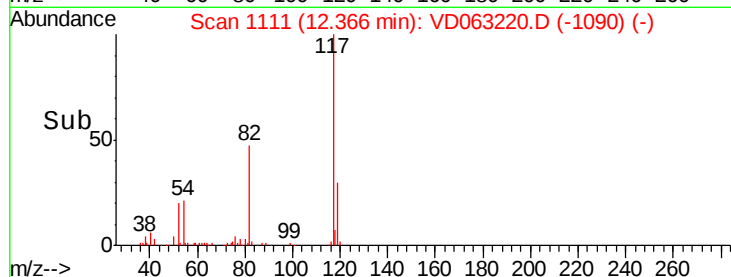
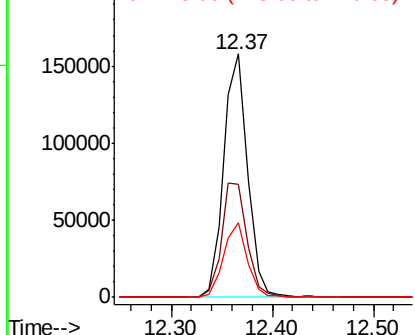
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
SP-7

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.6	40.1	60.1
119	30.5	26.5	39.7

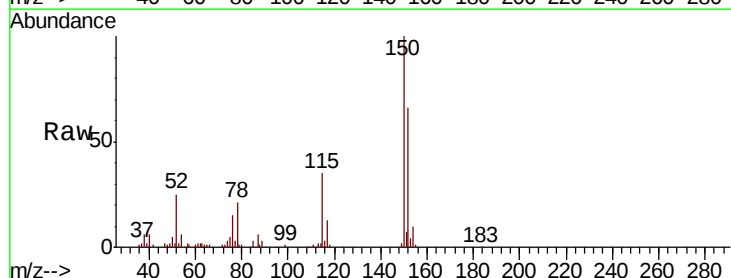


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

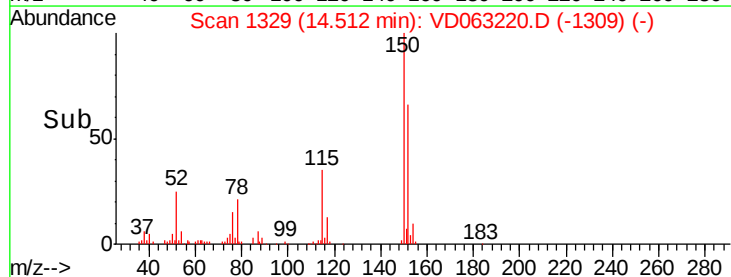
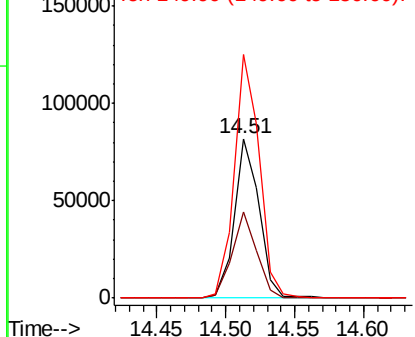


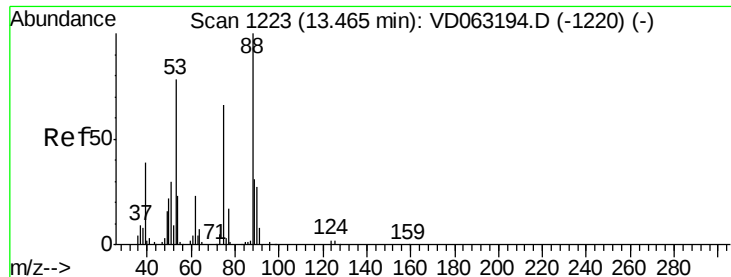
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063220.D
Acq: 30 Jul 2019 2:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.5	82.4
150	152.6	0.0	320.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 259.999 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063220.D

Acq: 30 Jul 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

SP-7

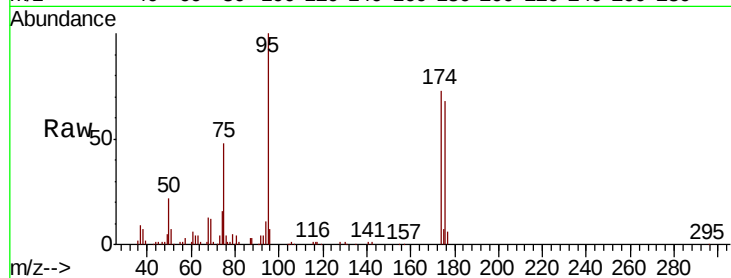
Tot Ion: 75 Resp: 88442

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

