

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063264.D
 Acq On : 31 Jul 2019 3:49
 Operator : VA/AP
 Sample : K4044-15RE
 Misc : 4.36g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Jul 31 05:01:12 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	7.05	168	1021470	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	1407993	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1168283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	521493	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	470303	41.49	ug/l	0.01
Spiked Amount			Recovery	=	82.98%	
35) Dibromofluoromethane	6.92	113	502510	41.80	ug/l	0.01
Spiked Amount			Recovery	=	83.60%	
50) Toluene-d8	10.40	98	1117562	41.54	ug/l	0.00
Spiked Amount			Recovery	=	83.08%	
62) 4-Bromofluorobenzene	13.55	95	433830	35.39	ug/l	0.00
Spiked Amount			Recovery	=	70.78%	

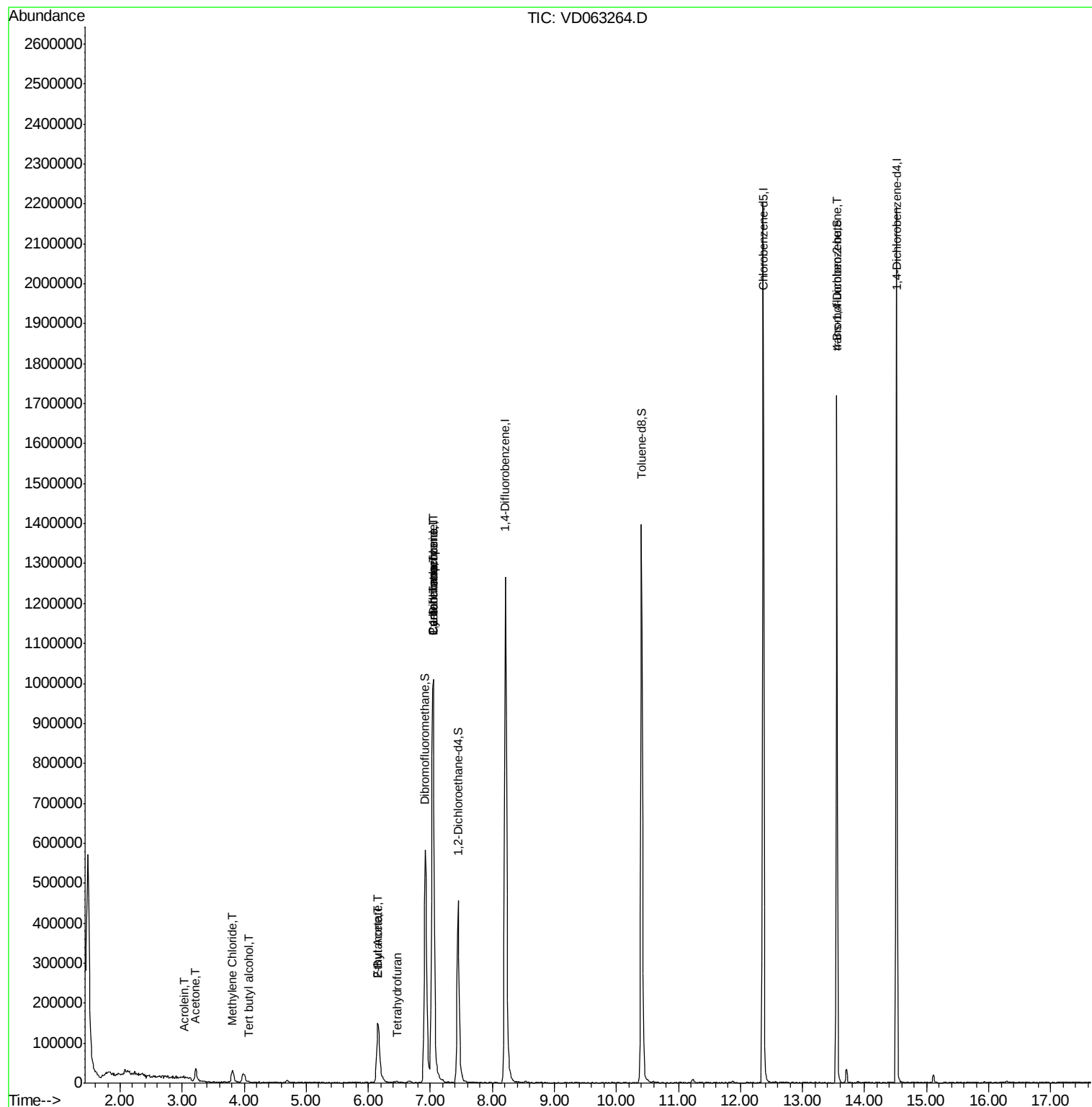
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	2459	4.944	ug/l #	69
13) Acrolein	3.03	56	535	1.118	ug/l #	80
16) Acetone	3.22	43	56774	25.709	ug/l #	90
20) Methylene Chloride	3.81	84	17035	1.908	ug/l #	86
25) 2-Butanone	6.15	43	12983	5.858	ug/l #	56
29) Tetrahydrofuran	6.47	42	1140	1.086	ug/l #	63
31) Cyclohexane	7.05	56	24458	2.423	ug/l #	15
36) 1,1-Dichloropropene	7.04	75	78774	6.130	ug/l #	52
37) Ethyl Acetate	6.15	43	12983	2.249	ug/l #	1
38) Carbon Tetrachloride	7.05	117	98622	5.098	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	211778	121.758	ug/l #	3

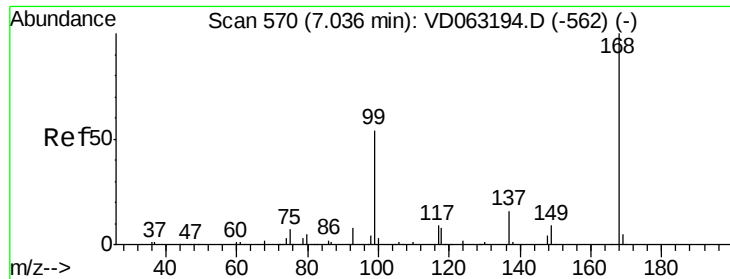
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063264.D
Acq On : 31 Jul 2019 3:49
Operator : VA/AP
Sample : K4044-15RE
Misc : 4.36g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Quant Time: Jul 31 05:01:12 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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA_D

ClientSampled :

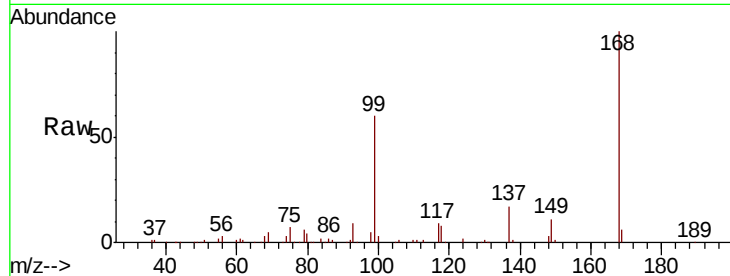
TP-4

Tot Ion:168 Resp: 1021470

Ion Ratio Lower Upper

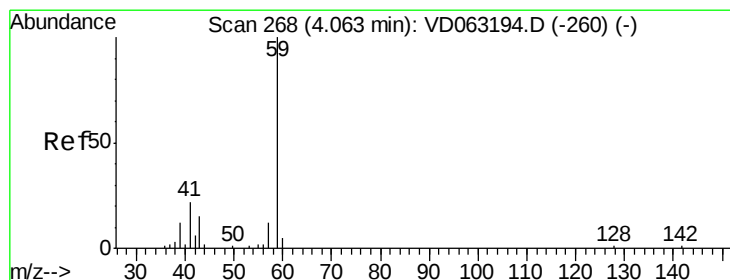
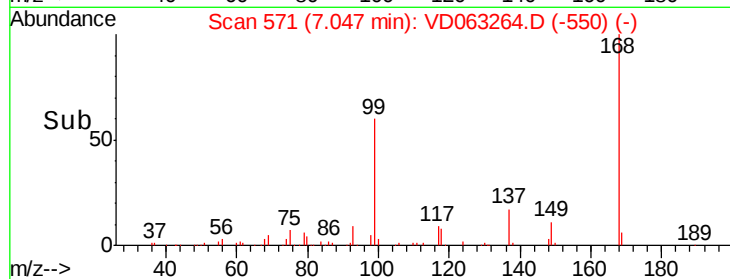
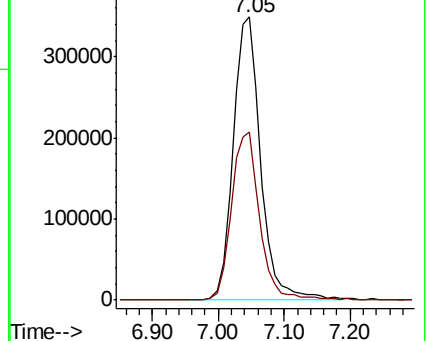
168 100

99 59.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 4.944 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063264.D

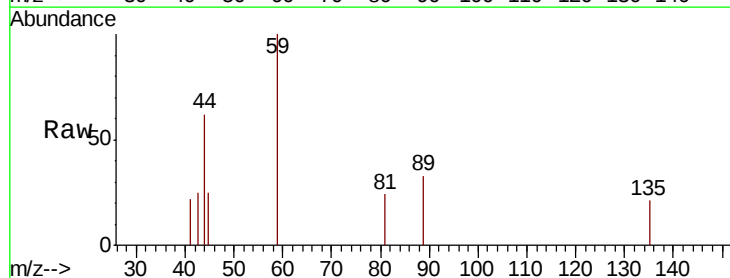
Acq: 31 Jul 2019 3:49

Tgt Ion: 59 Resp: 2459

Ion Ratio Lower Upper

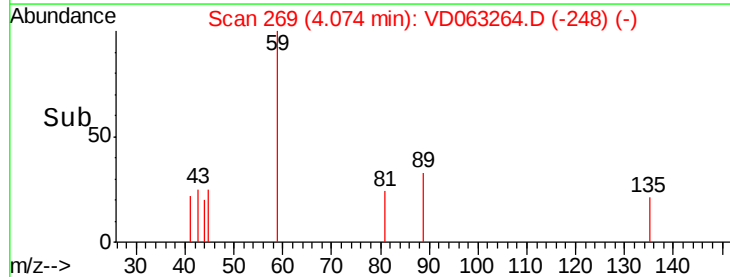
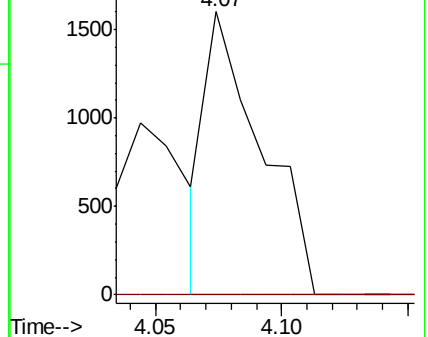
59 100

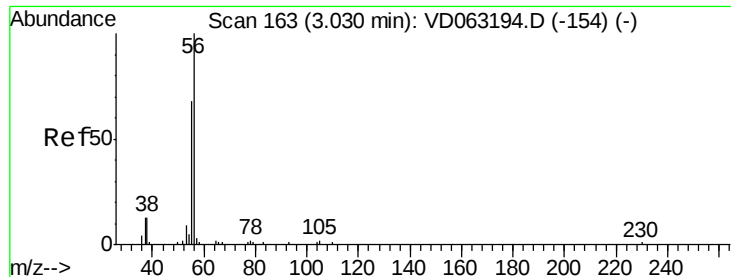
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.118 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA_D

ClientSampleId :

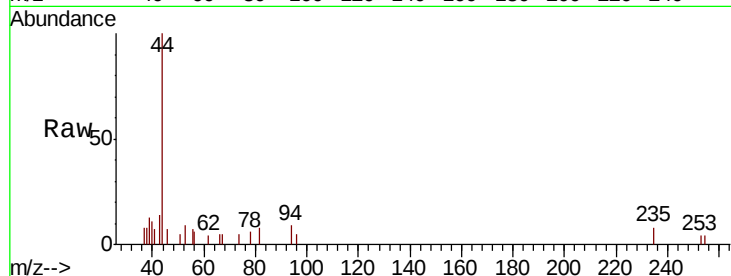
TP-4

Tot Ion: 56 Resp: 535

Ion Ratio Lower Upper

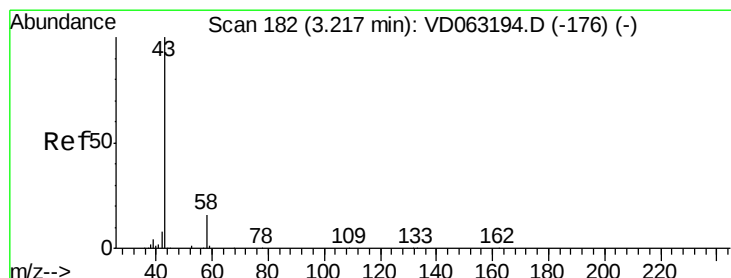
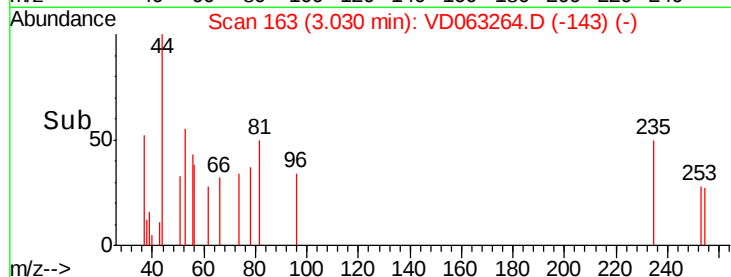
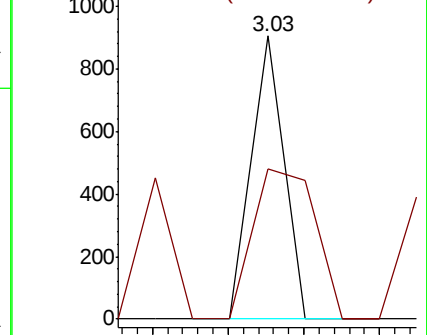
56 100

55 53.1 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: 25.709 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063264.D

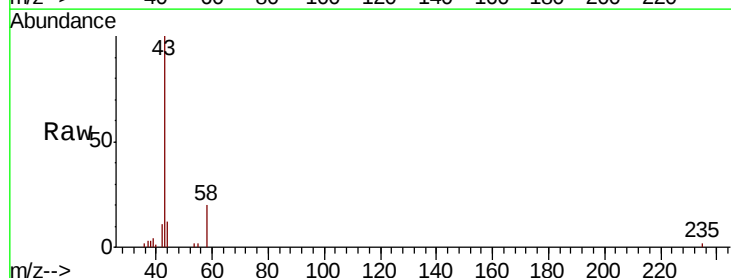
Acq: 31 Jul 2019 3:49

Tgt Ion: 43 Resp: 56774

Ion Ratio Lower Upper

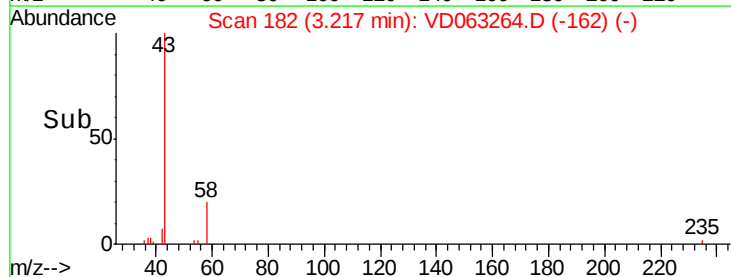
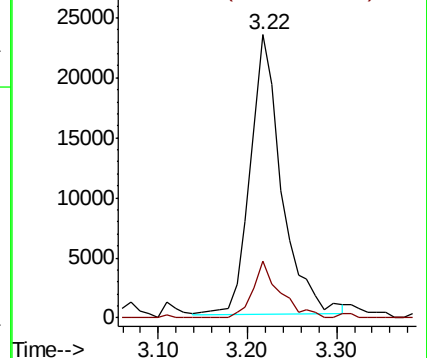
43 100

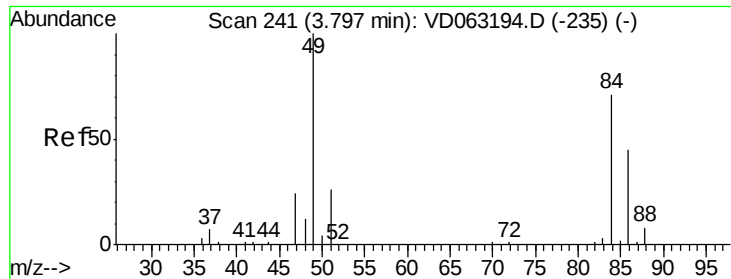
58 20.3 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

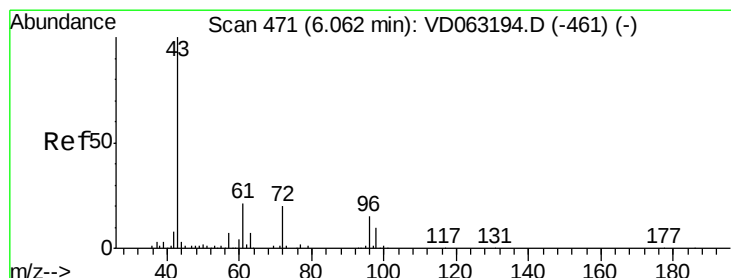
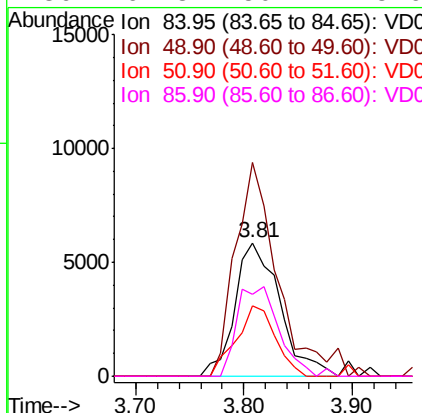
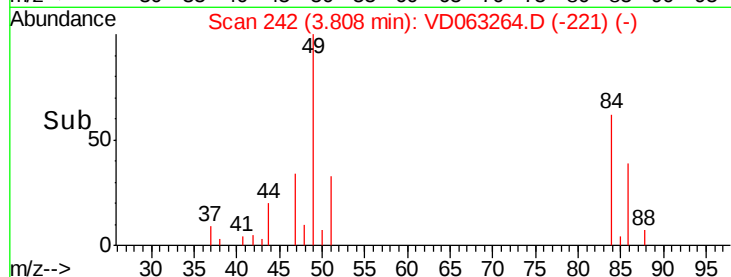
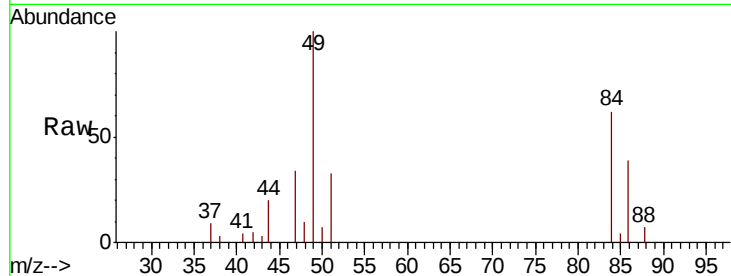




#20
Methvlene Chloride
Concen: 1.908 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

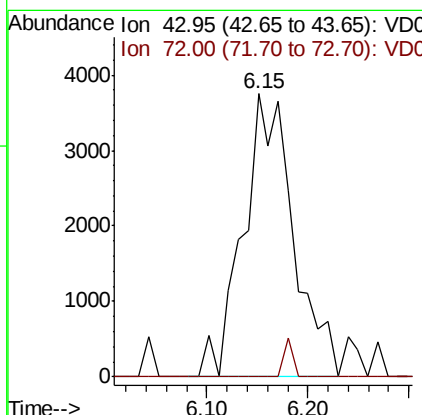
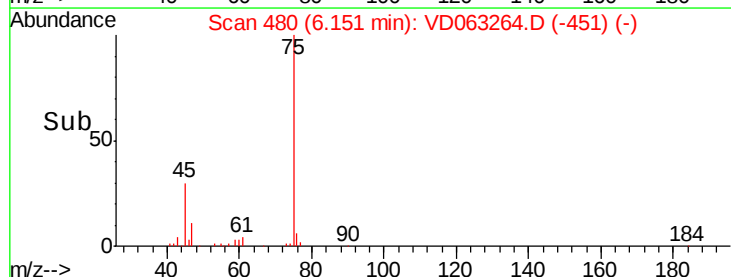
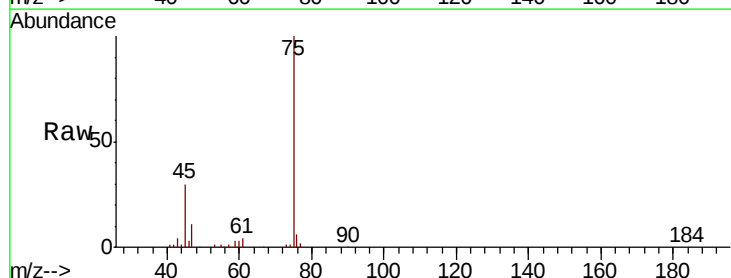
Instrument :
MSVOA_D
ClientSampleId :
TP-4

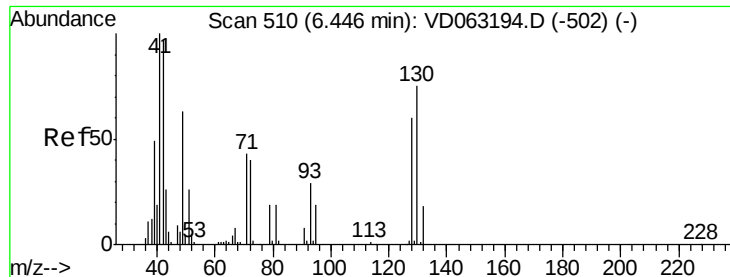
Tot Ion: 84 Resp: 17035
Ion Ratio Lower Upper
84 100
49 160.0 112.5 168.7
51 52.3 29.6 44.4#
86 61.8 50.4 75.6



#25
2-Butanone
Concen: 5.858 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

Tgt Ion: 43 Resp: 12983
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#





#29

Tetrahydrofuran

Concen: 1.086 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA_D

ClientSampled :

TP-4

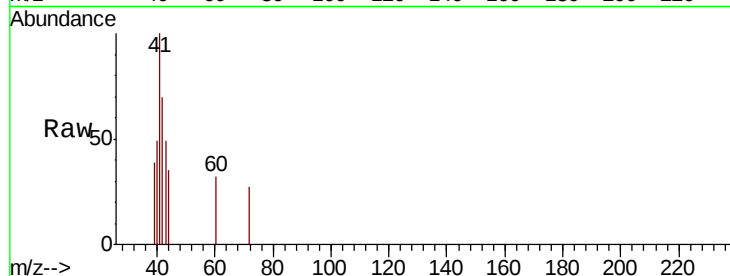
Tot Ion: 42 Resp: 1140

Ion Ratio Lower Upper

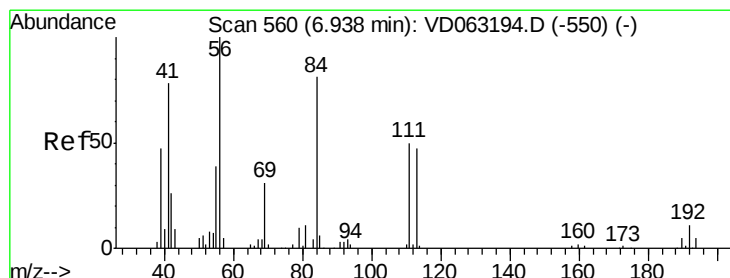
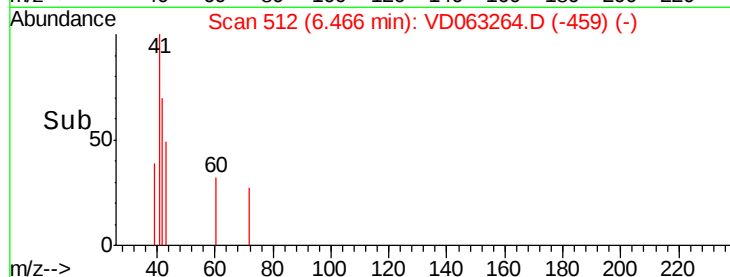
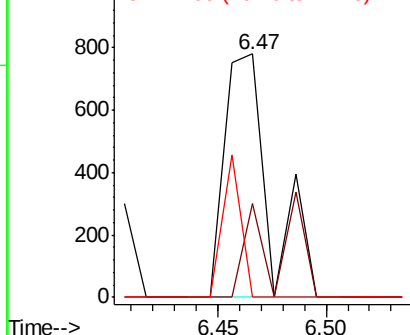
42 100

72 15.6 33.4 50.2#

71 23.7 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



#31

Cyclohexane

Concen: 2.423 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

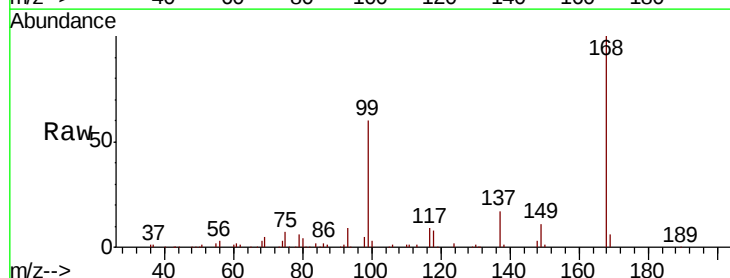
Tgt Ion: 56 Resp: 24458

Ion Ratio Lower Upper

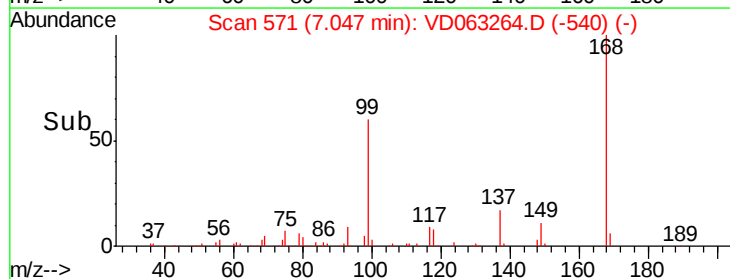
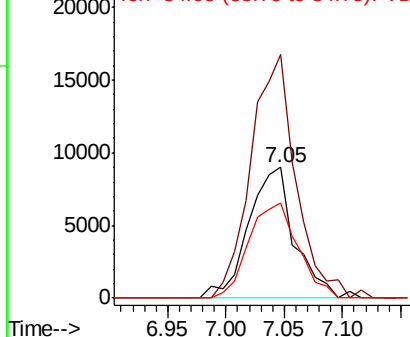
56 100

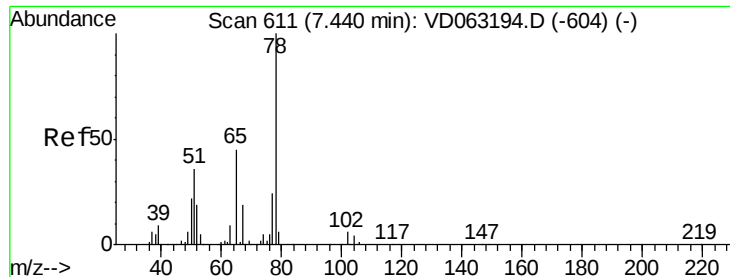
69 186.7 24.5 36.7#

84 73.1 64.9 97.3



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: 41.494 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA_D

ClientSampleId :

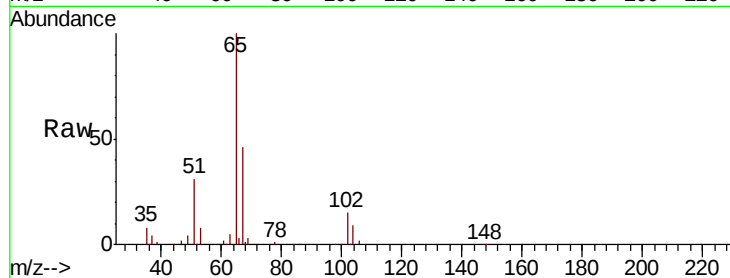
TP-4

Tot Ion: 65 Resp: 470303

Ion Ratio Lower Upper

65 100

67 45.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

150000

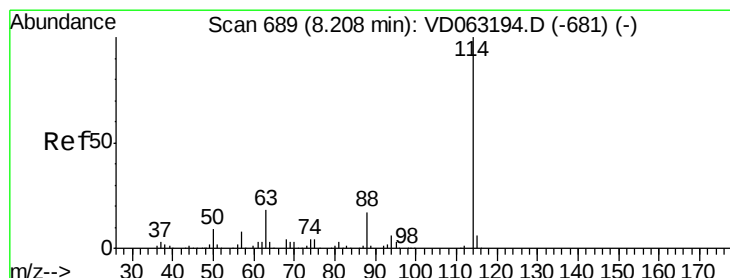
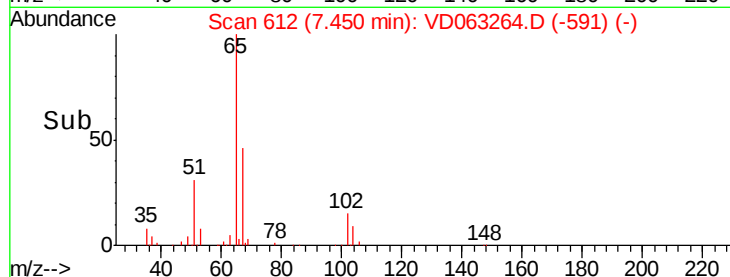
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

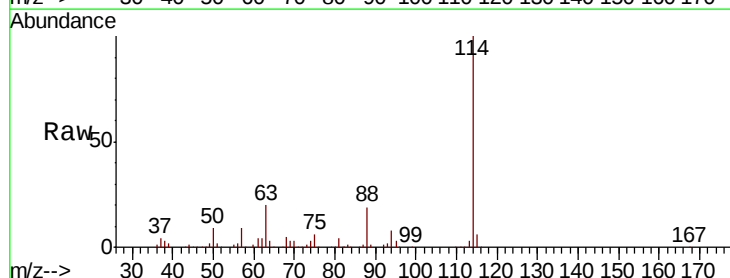
Tgt Ion:114 Resp: 1407993

Ion Ratio Lower Upper

114 100

63 20.2 0.0 35.2

88 19.3 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

600000

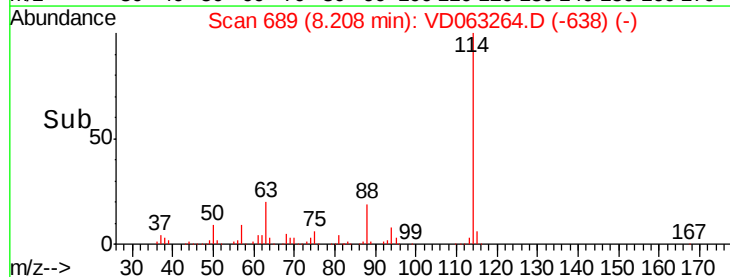
400000

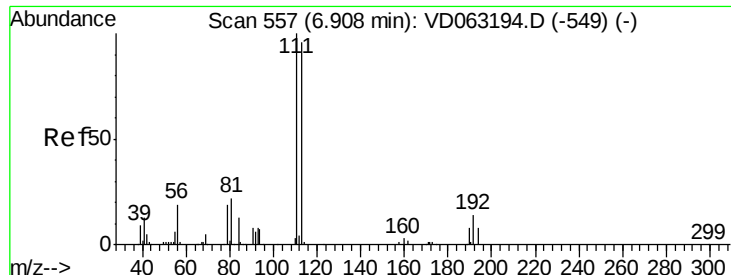
200000

0

Time-->

8.10 8.20 8.30 8.40 8.50

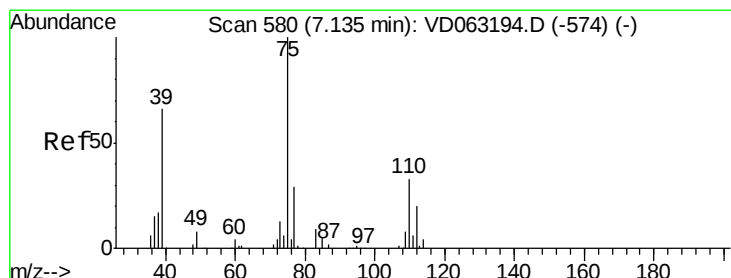
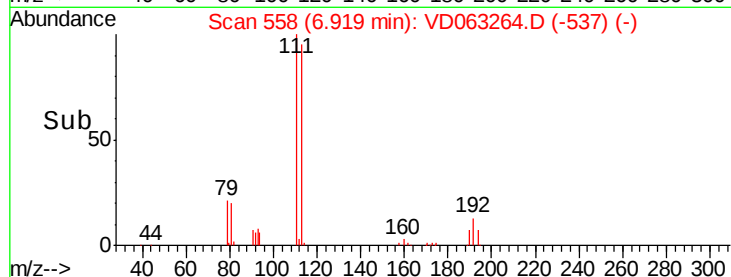
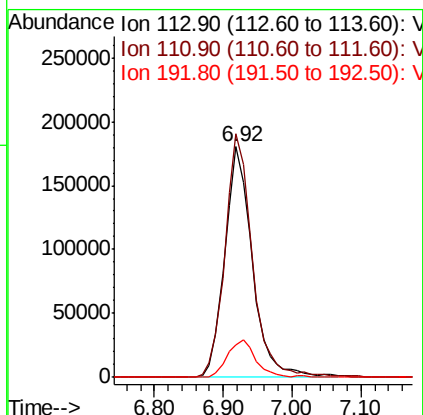
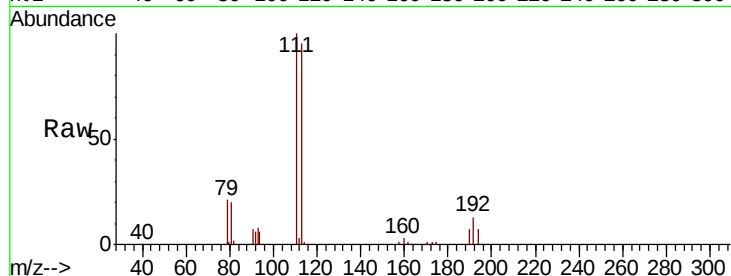




#35
Dibromofluoromethane
Concen: 41.802 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

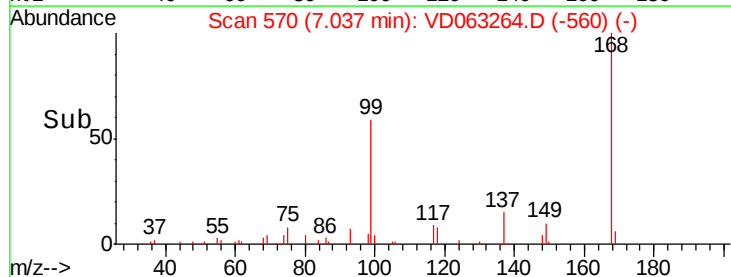
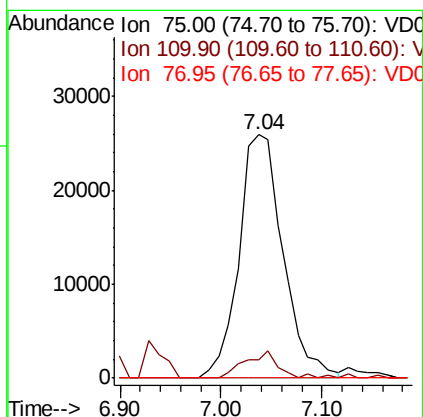
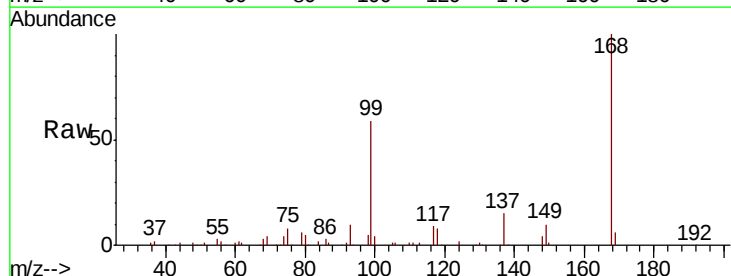
Instrument :
MSVOA_D
ClientSampled :
TP-4

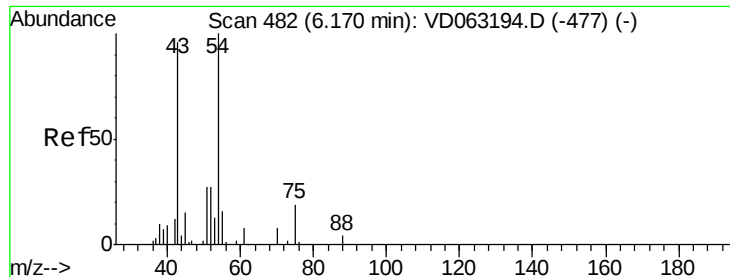
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.6	83.2	124.8
192	14.2	11.8	17.8



#36
1,1-Dichloropropene
Concen: 6.130 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.1	48.2#
77	0.0	22.7	34.1#





#37

Ethyl Acetate

Concen: 2.249 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA_D

ClientSampleId :

TP-4

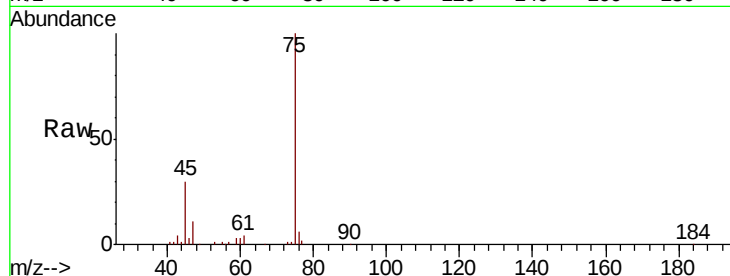
Tot Ion: 43 Resp: 12983

Ion Ratio Lower Upper

43 100

61 91.1 11.3 16.9#

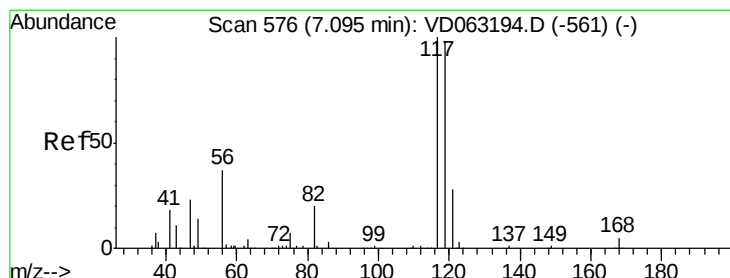
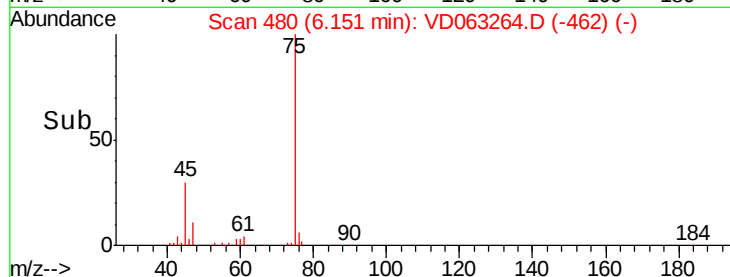
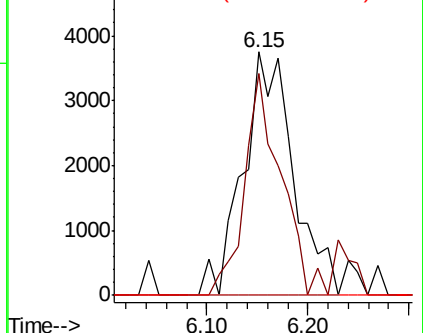
70 0.0 5.1 7.7#



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: 5.098 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

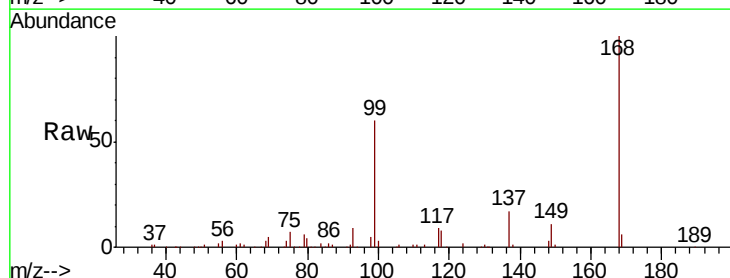
Tgt Ion: 117 Resp: 98622

Ion Ratio Lower Upper

117 100

119 3.8 78.2 117.2#

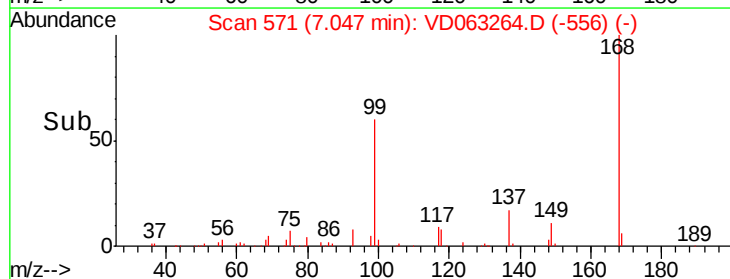
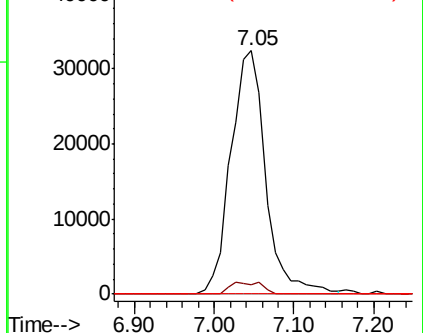
121 0.0 22.1 33.1#

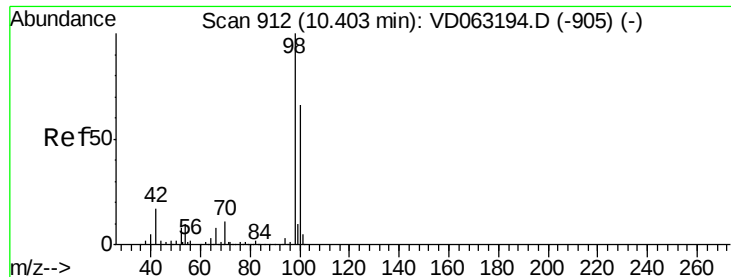


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

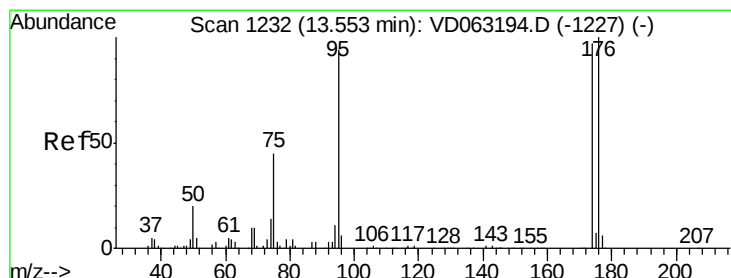
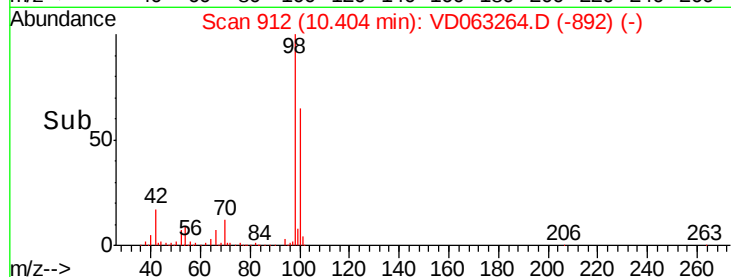
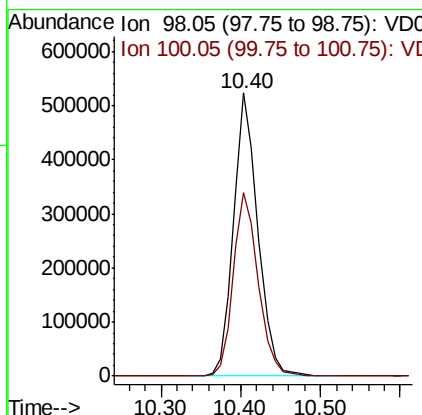
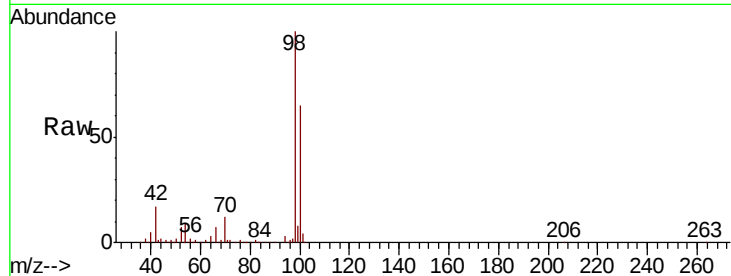




#50
Toluene-d8
Concen: 41.540 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

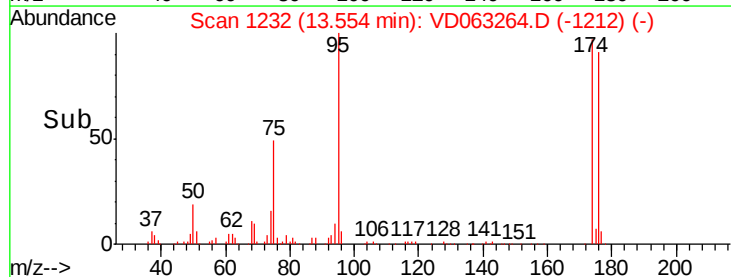
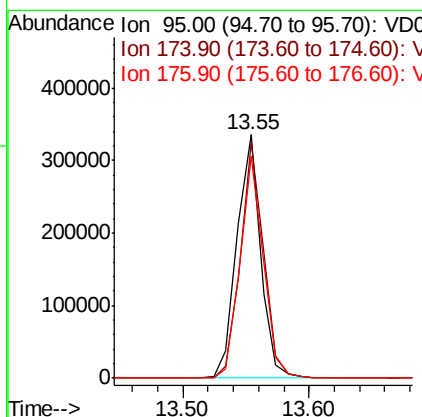
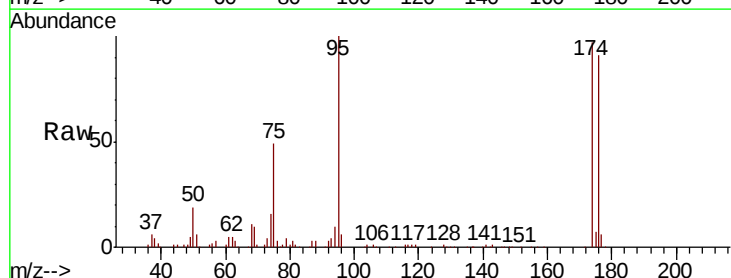
Instrument :
MSVOA_D
ClientSampleId :
TP-4

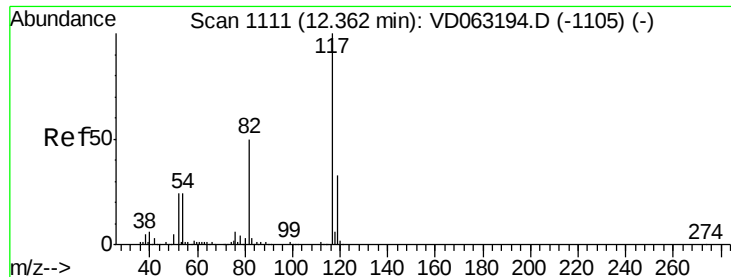
Tot Ion: 98 Resp: 1117562
Ion Ratio Lower Upper
98 100
100 64.6 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 35.386 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

Tgt Ion: 95 Resp: 433830
Ion Ratio Lower Upper
95 100
174 96.7 0.0 205.4
176 91.3 0.0 211.8

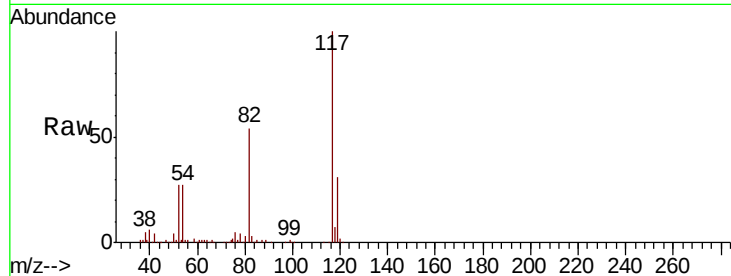




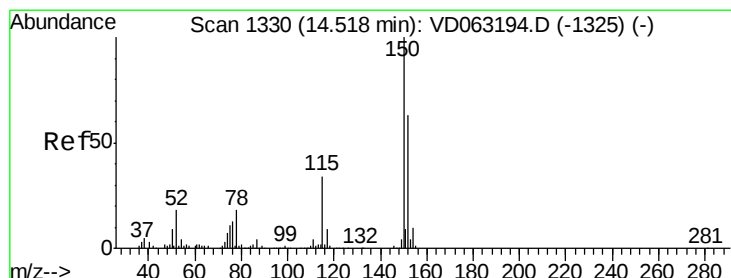
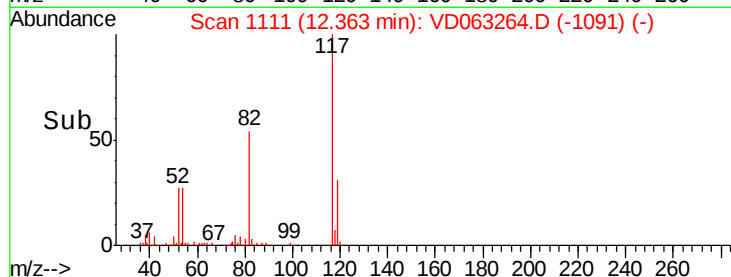
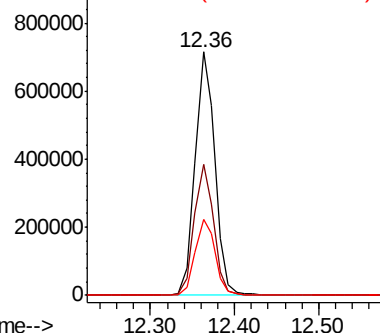
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion:117 Resp: 1168283
Ion Ratio Lower Upper
117 100
82 53.9 40.1 60.1
119 31.4 26.5 39.7

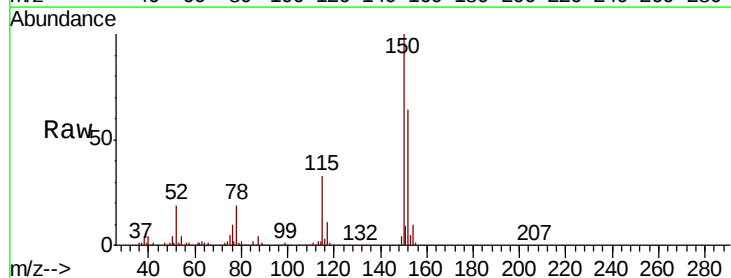


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

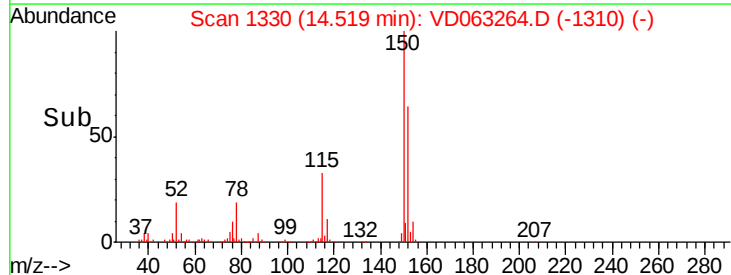
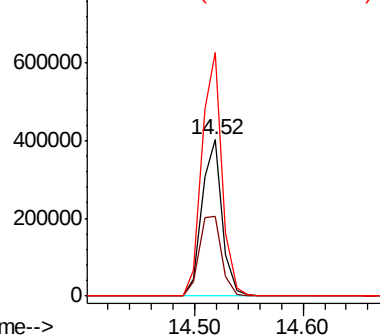


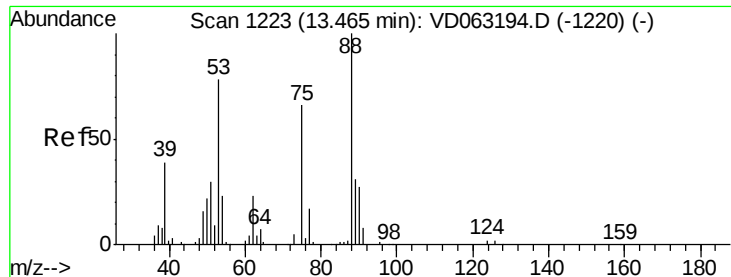
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063264.D
Acq: 31 Jul 2019 3:49

Tgt Ion:152 Resp: 521493
Ion Ratio Lower Upper
152 100
115 51.2 27.5 82.4
150 155.6 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: 121.758 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA_D

ClientSampleId :

TP-4

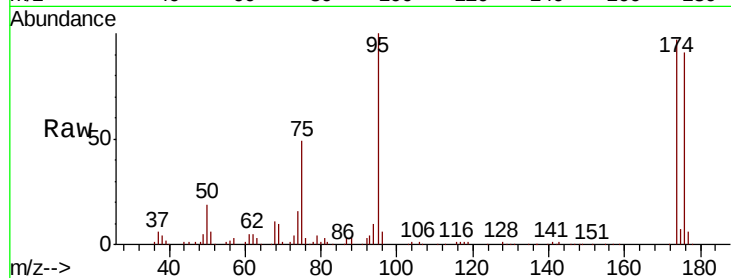
Tot Ion: 75 Resp: 211778

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

