

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063205.D
 Acq On : 29 Jul 2019 18:02
 Operator : VA/AP
 Sample : K4044-09
 Misc : 5.63g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Jul 30 03:17:43 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	725077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	994277	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	815249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	404383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	541665	67.33	ug/l	0.00
Spiked Amount			Recovery	=	134.66%	
35) Dibromofluoromethane	6.91	113	639144	75.29	ug/l	0.00
Spiked Amount			Recovery	=	150.58%	
50) Toluene-d8	10.40	98	1279521	67.35	ug/l	0.00
Spiked Amount			Recovery	=	134.70%	
62) 4-Bromofluorobenzene	13.55	95	581230	67.14	ug/l	0.00
Spiked Amount			Recovery	=	134.28%	

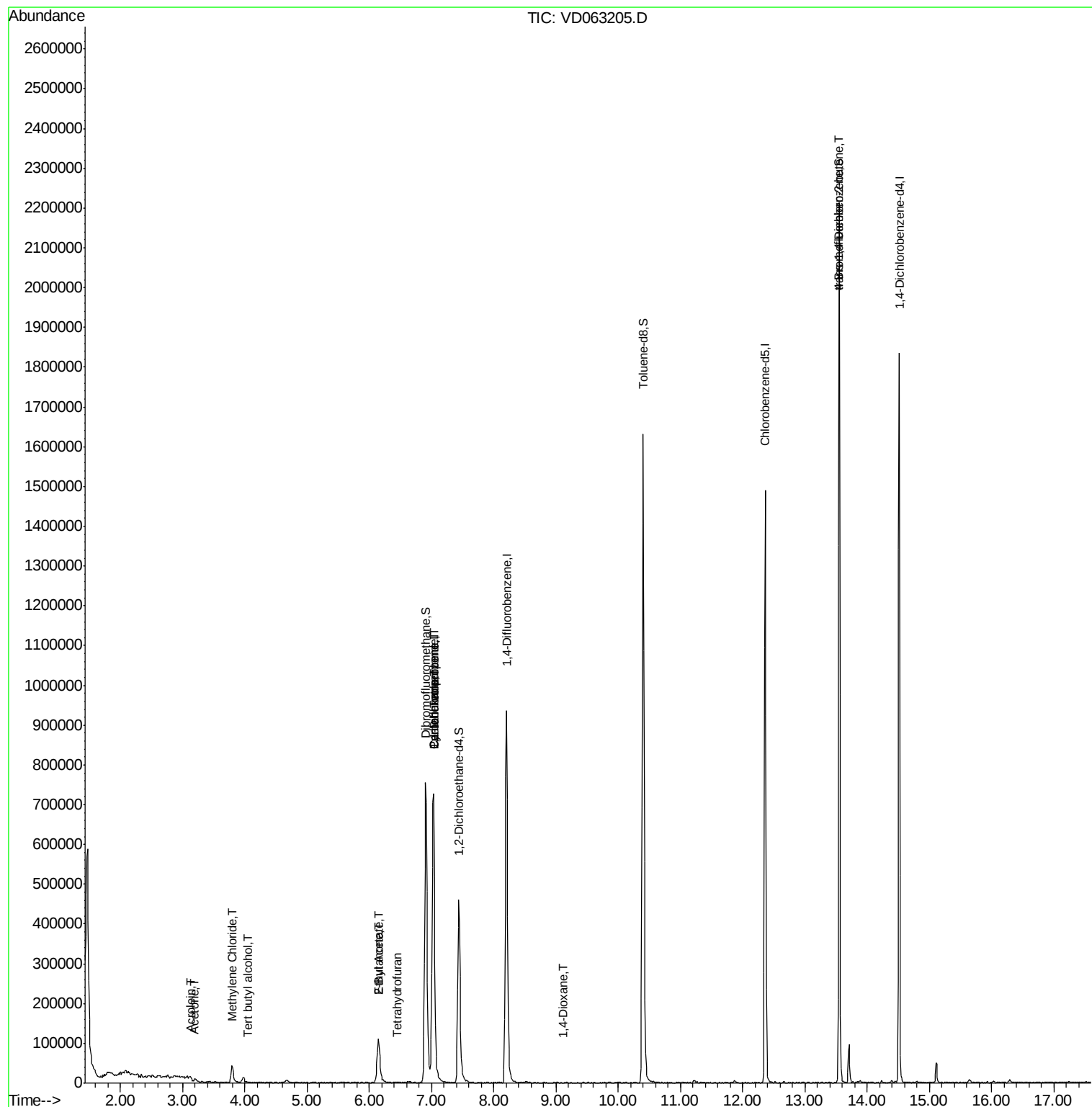
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	1400	3.965	ug/l #	69
13) Acrolein	3.14	56	341	1.004	ug/l	99
16) Acetone	3.20	43	8295	5.292	ug/l #	65
20) Methylene Chloride	3.80	84	27540	4.346	ug/l #	76
25) 2-Butanone	6.14	43	7154	4.547	ug/l #	89
29) Tetrahydrofuran	6.43	42	1514	2.033	ug/l #	77
31) Cyclohexane	7.03	56	16687	2.328	ug/l #	10
36) 1,1-Dichloropropene	7.03	75	51970	5.727	ug/l #	52
37) Ethyl Acetate	6.14	43	7154	1.755	ug/l #	1
38) Carbon Tetrachloride	7.04	117	67289	4.926	ug/l #	13
49) 1,4-Dioxane	9.11	88	389	9.519	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	275437	204.219	ug/l #	3

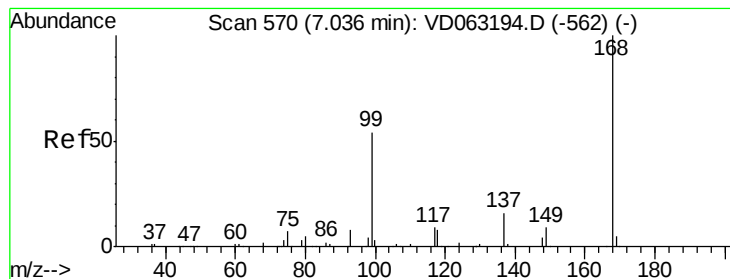
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063205.D

Acq: 29 Jul 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

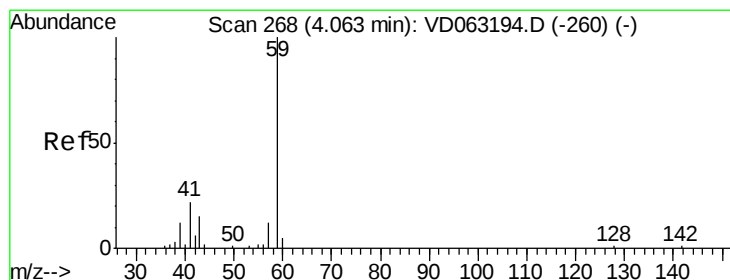
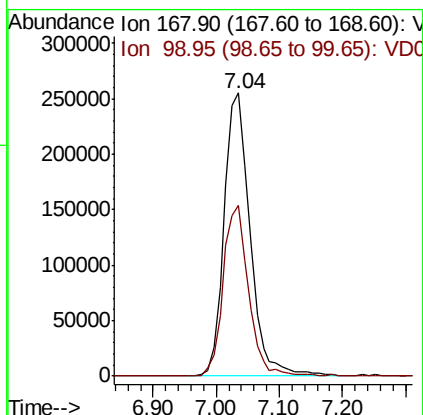
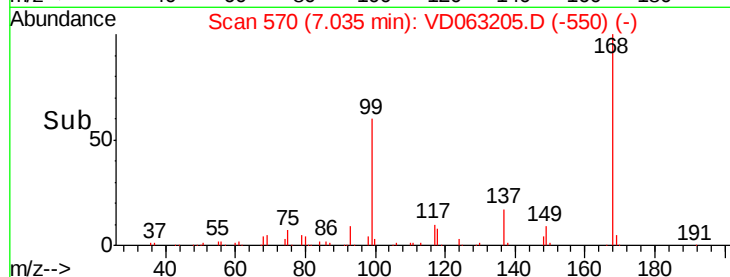
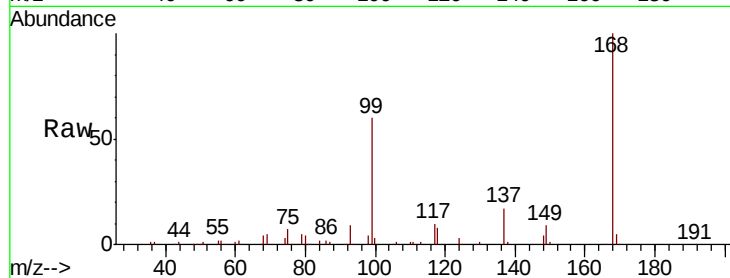
TP-1

Tot Ion:168 Resp: 725077

Ion Ratio Lower Upper

168 100

99 60.2 43.7 65.5



#11

Tert butyl alcohol

Concen: 3.965 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063205.D

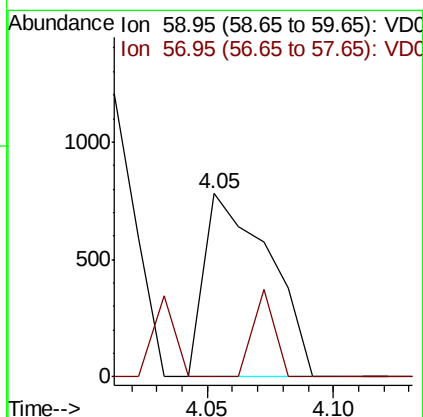
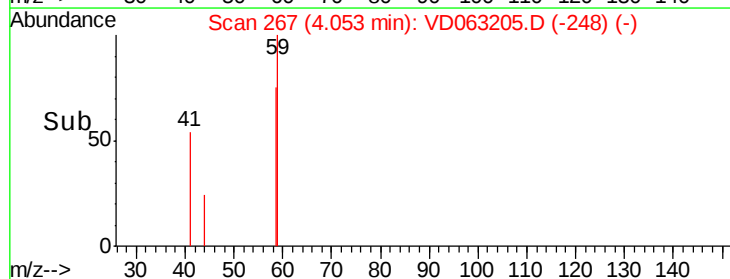
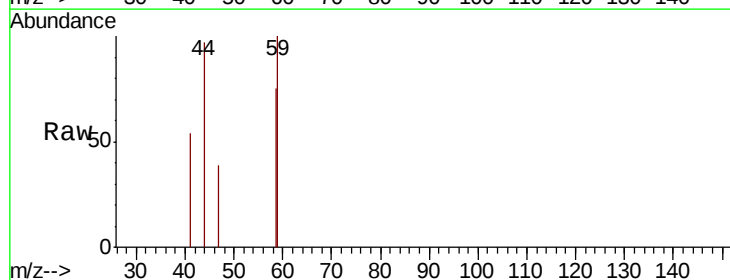
Acq: 29 Jul 2019 18:02

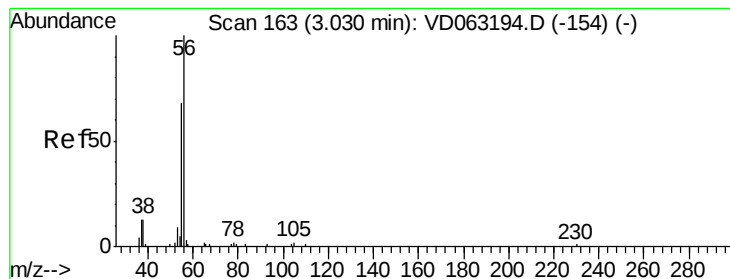
Tgt Ion: 59 Resp: 1400

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#





#13

Acrolein

Concen: 1.004 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.11 min

Lab File: VD063205.D

Acq: 29 Jul 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

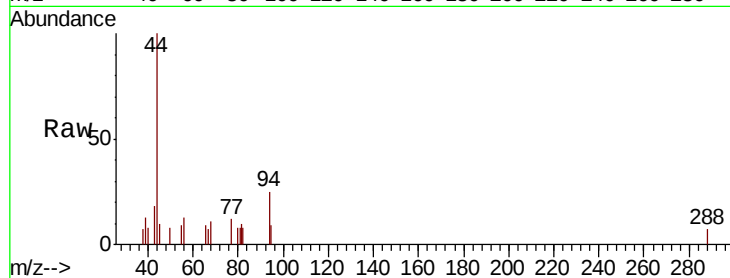
TP-1

Tot Ion: 56 Resp: 341

Ion Ratio Lower Upper

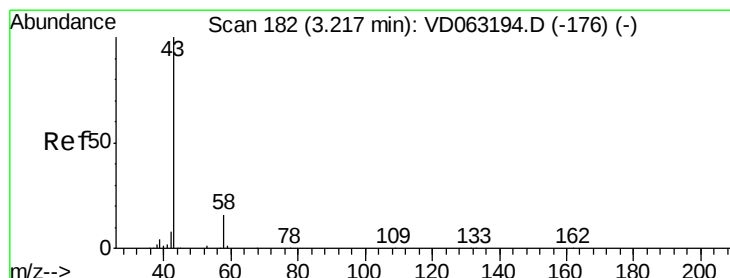
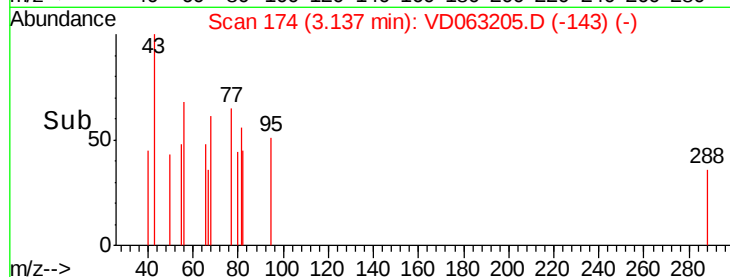
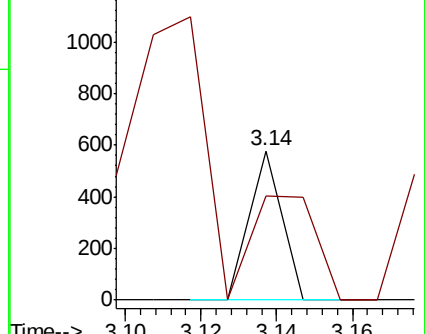
56 100

55 69.8 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: 5.292 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD063205.D

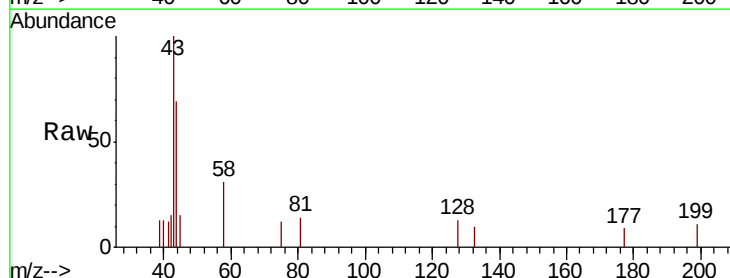
Acq: 29 Jul 2019 18:02

Tgt Ion: 43 Resp: 8295

Ion Ratio Lower Upper

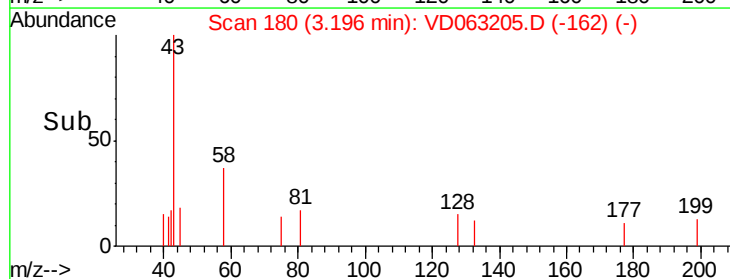
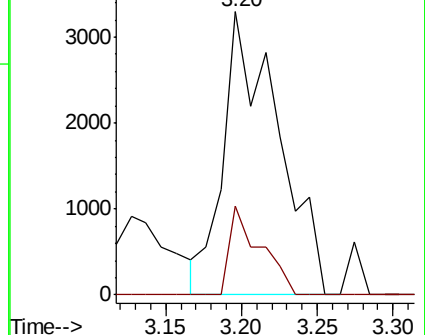
43 100

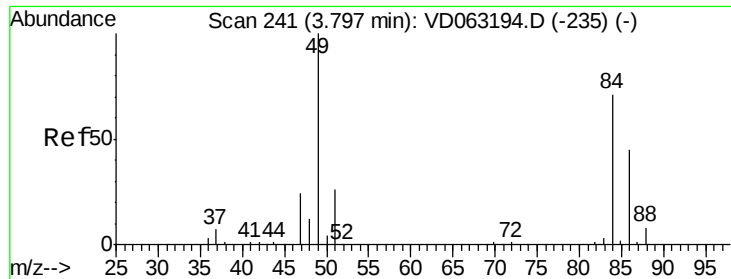
58 31.2 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

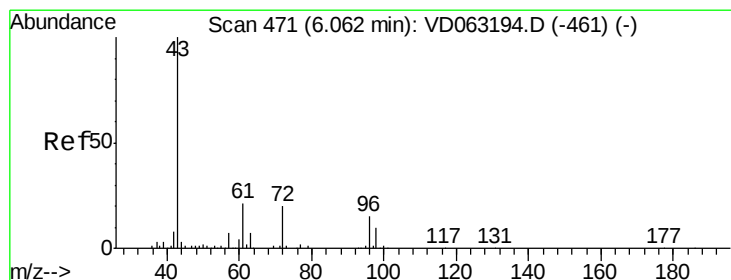
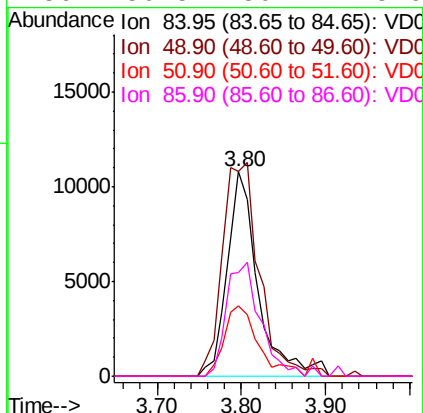
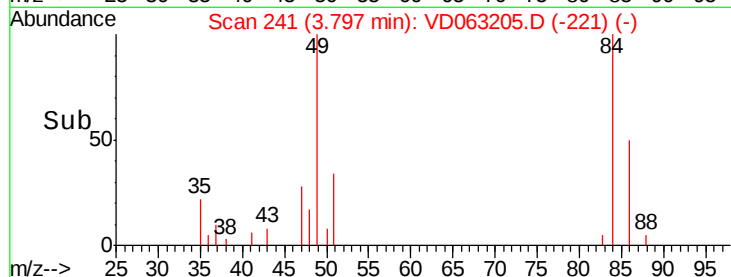
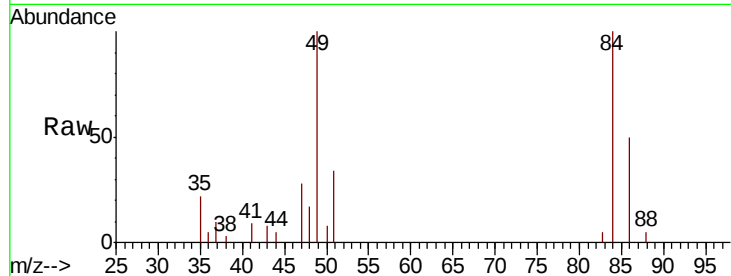




#20
Methvlene Chloride
Concen: 4.346 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

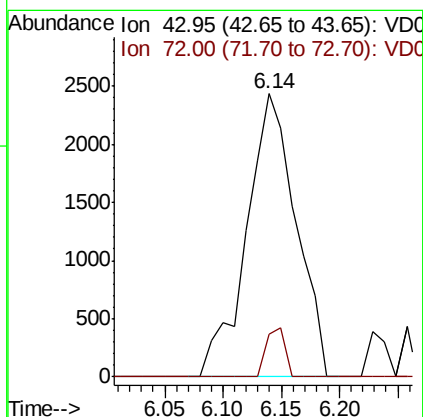
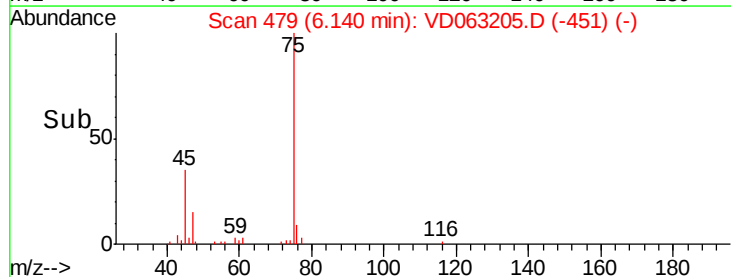
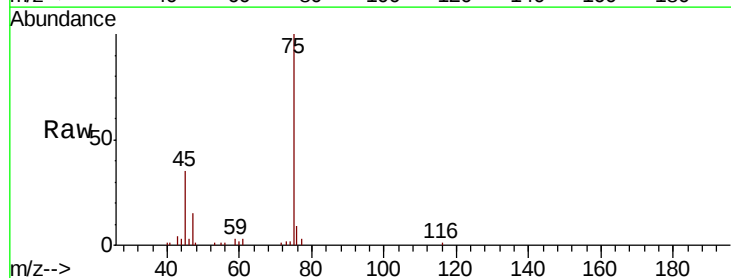
Instrument :
MSVOA_D
ClientSampleId :
TP-1

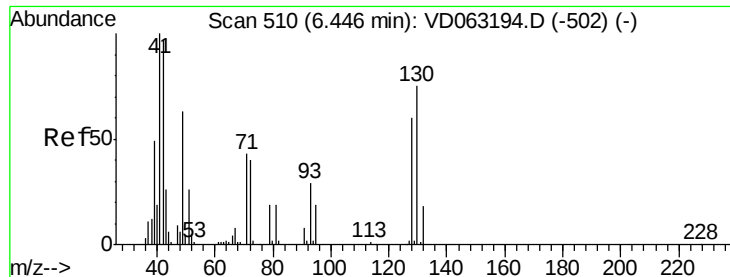
Tot Ion: 84 Resp: 27540
Ion Ratio Lower Upper
84 100
49 100.3 112.5 168.7#
51 34.6 29.6 44.4
86 50.5 50.4 75.6



#25
2-Butanone
Concen: 4.547 ug/l
RT: 6.14 min Scan# 479
Delta R.T. 0.08 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

Tgt Ion: 43 Resp: 7154
Ion Ratio Lower Upper
43 100
72 15.1 16.3 24.5#

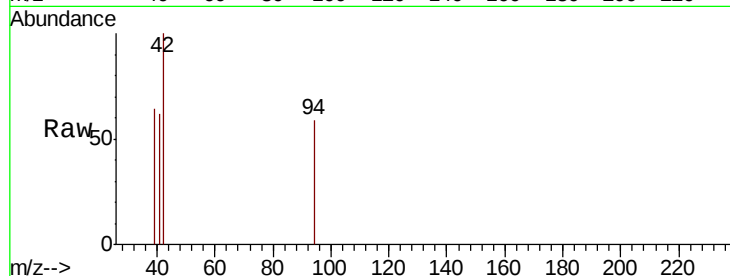




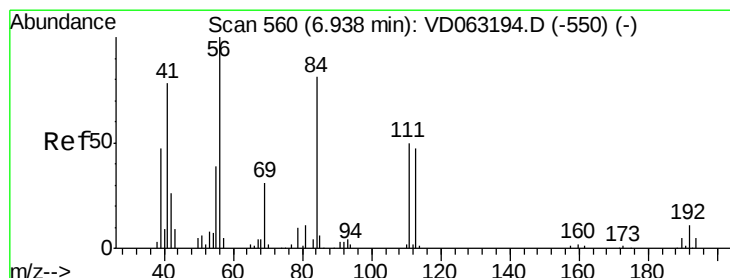
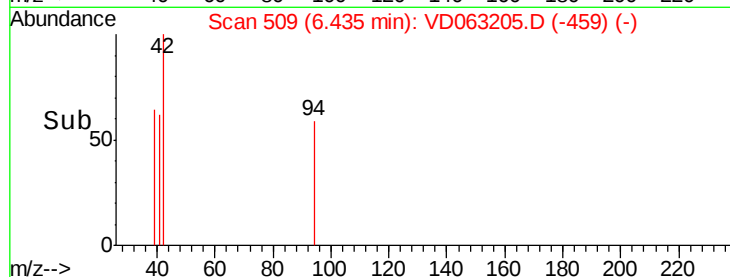
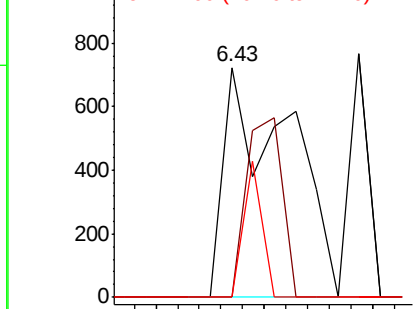
#29
Tetrahydrofuran
Concen: 2.033 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion: 42 Resp: 1514
Ion Ratio Lower Upper
42 100
72 42.5 33.4 50.2
71 16.7 35.7 53.5#

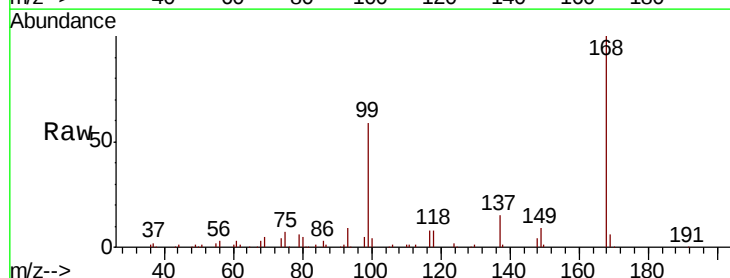


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

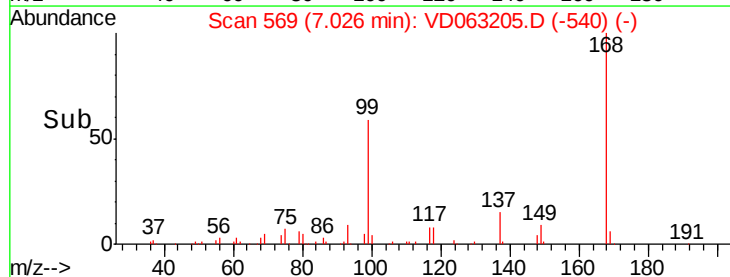
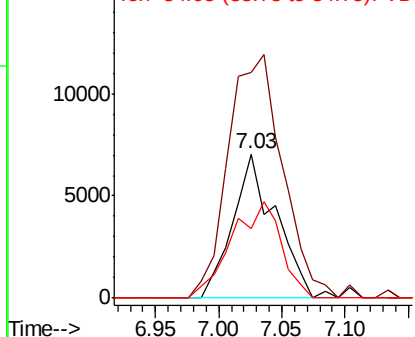


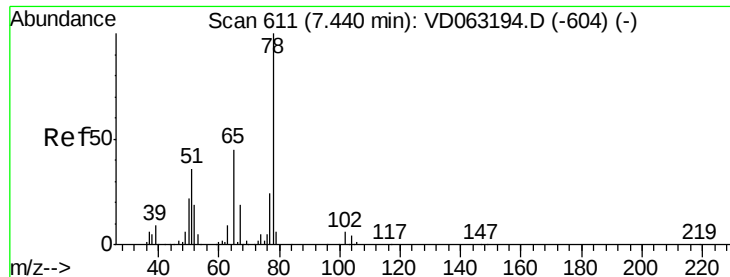
#31
Cyclohexane
Concen: 2.328 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

Tgt Ion: 56 Resp: 16687
Ion Ratio Lower Upper
56 100
69 157.1 24.5 36.7#
84 48.0 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

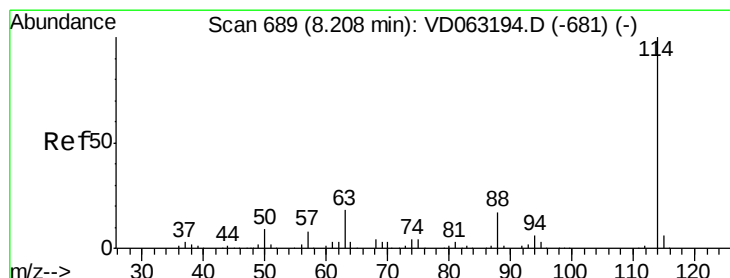
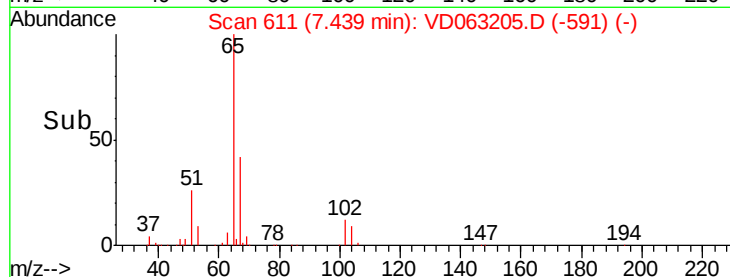
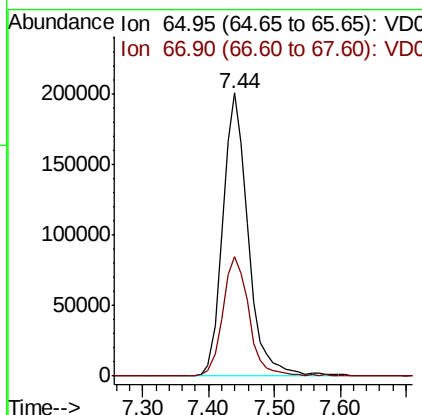
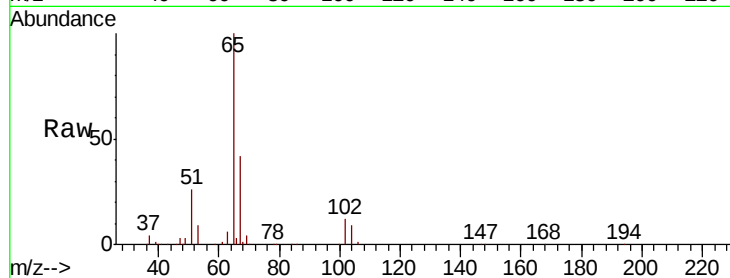




#33
 1,2-Dichloroethane-d4
 Concen: 67.326 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063205.D
 Acq: 29 Jul 2019 18:02

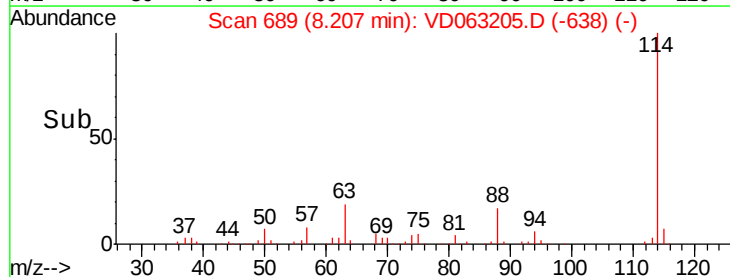
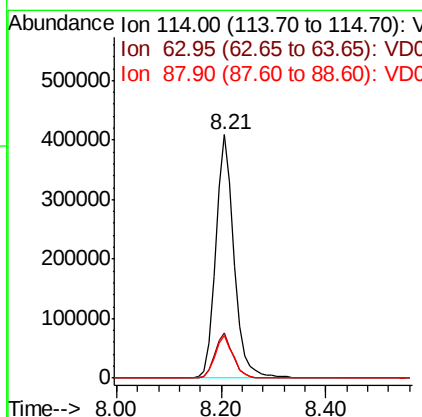
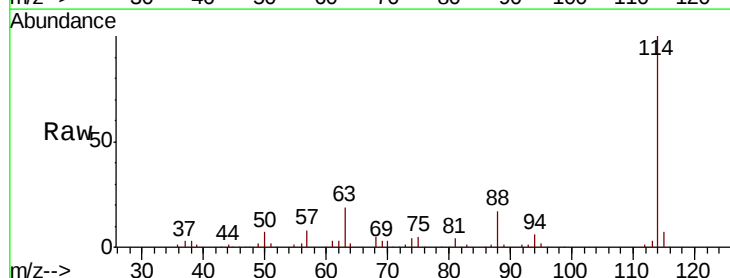
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

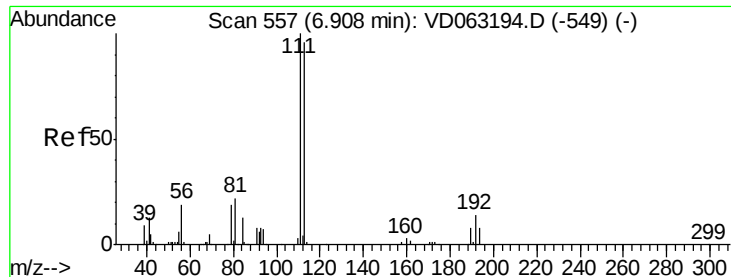
Tot Ion: 65 Resp: 541665
 Ion Ratio Lower Upper
 65 100
 67 42.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063205.D
 Acq: 29 Jul 2019 18:02

Tgt Ion: 114 Resp: 994277
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.2
 88 17.3 0.0 34.6





#35

Dibromofluoromethane

Concen: 75.291 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063205.D

Acq: 29 Jul 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

TP-1

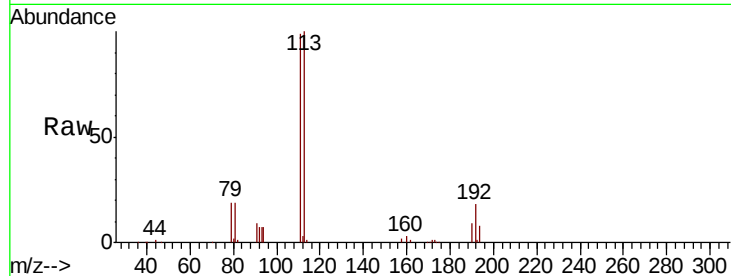
Tot Ion:113 Resp: 639144

Ion Ratio Lower Upper

113 100

111 99.3 83.2 124.8

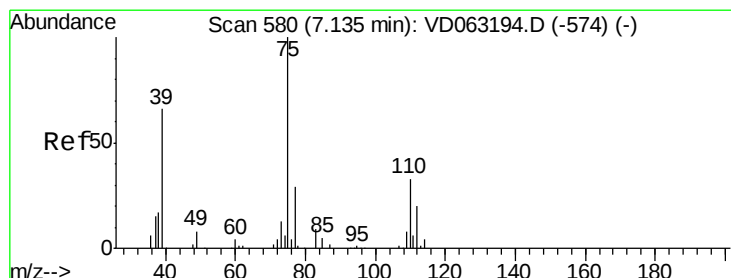
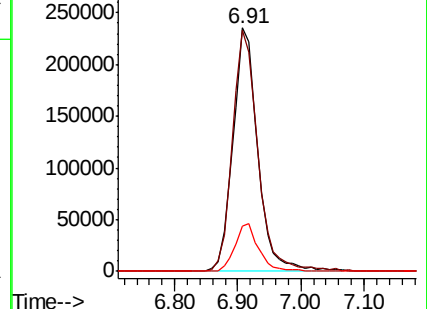
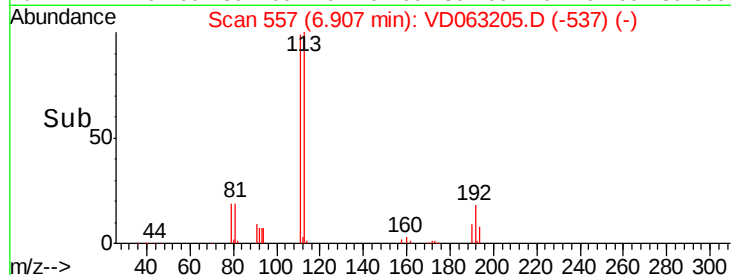
192 18.3 11.8 17.8#



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: 5.727 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD063205.D

Acq: 29 Jul 2019 18:02

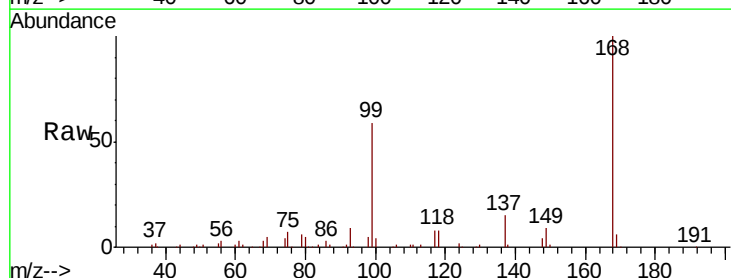
Tgt Ion: 75 Resp: 51970

Ion Ratio Lower Upper

75 100

110 8.3 16.1 48.2#

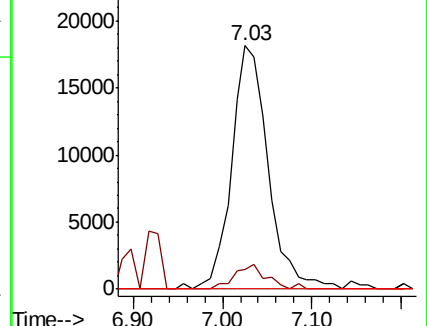
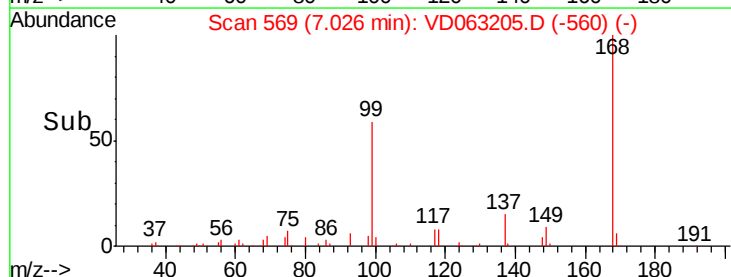
77 0.0 22.7 34.1#

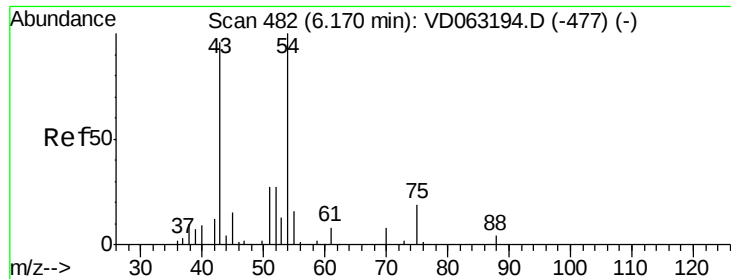


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

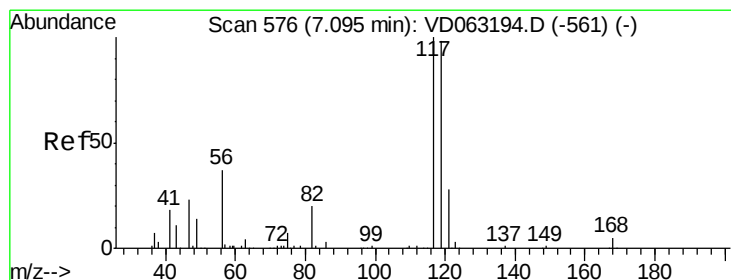
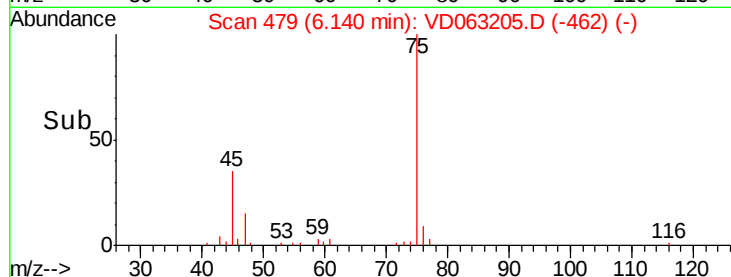
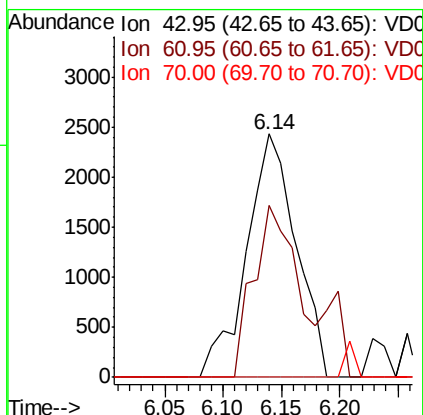
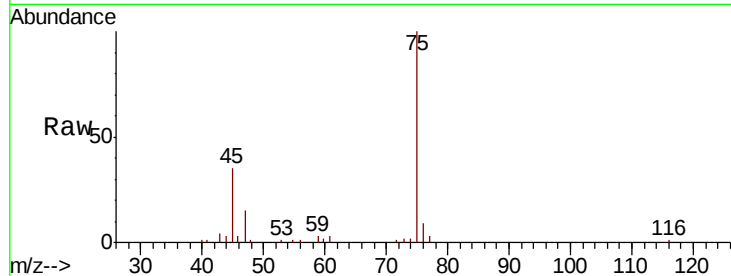




#37
Ethyl Acetate
Concen: 1.755 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.03 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

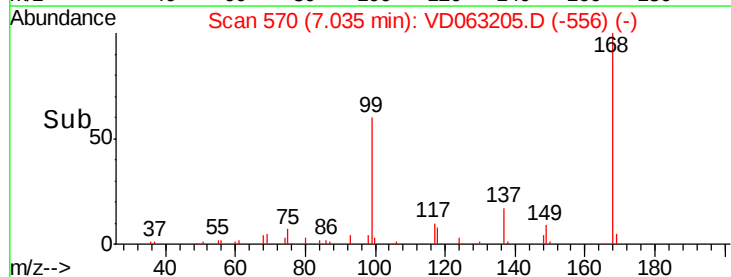
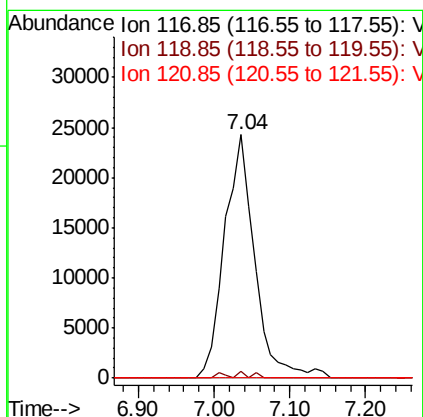
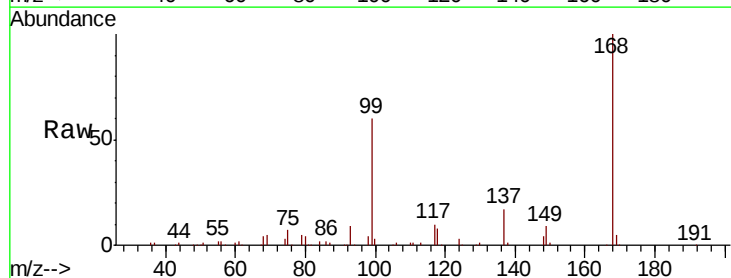
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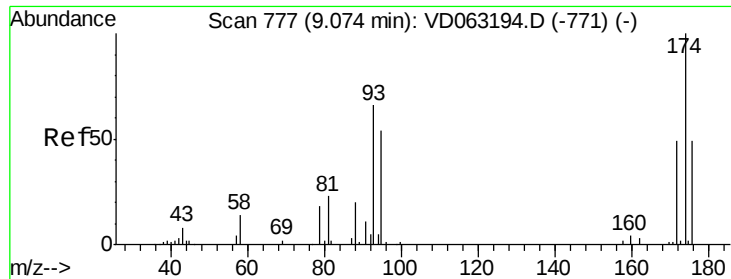
Tot Ion: 43 Resp: 7154
Ion Ratio Lower Upper
43 100
61 70.8 11.3 16.9#
70 0.0 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 4.926 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

Tgt Ion: 117 Resp: 67289
Ion Ratio Lower Upper
117 100
119 2.9 78.2 117.2#
121 0.0 22.1 33.1#

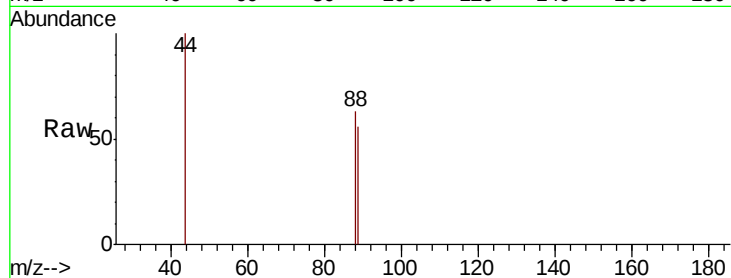




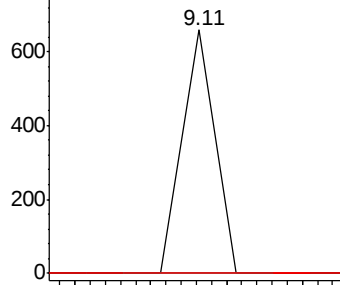
#49
1,4-Dioxane
Concen: 9.519 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.04 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

Instrument :
MSVOA_D
ClientSampleId :
TP-1

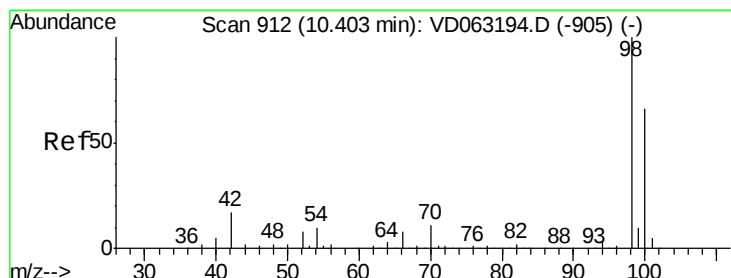
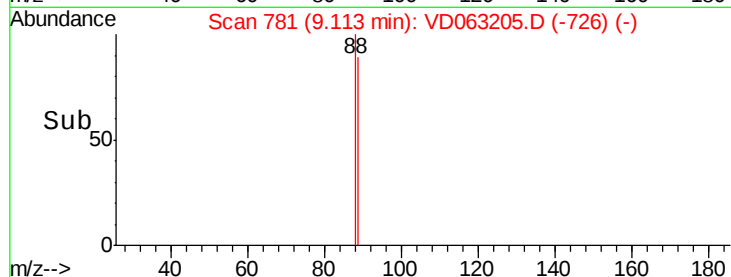
Tot Ion: 88 Resp: 389
Ion Ratio Lower Upper
88 100
43 0.0 30.7 46.1#
58 0.0 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

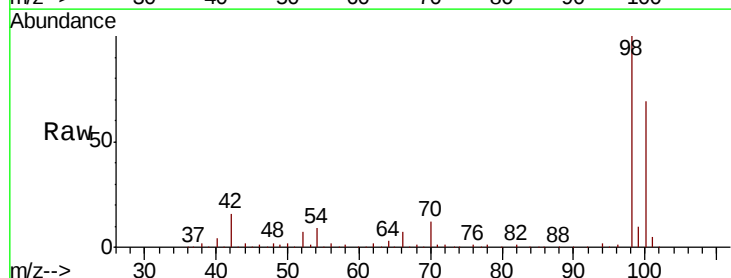


Time-->

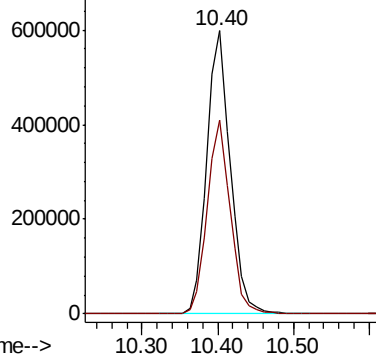


#50
Toluene-d8
Concen: 67.349 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063205.D
Acq: 29 Jul 2019 18:02

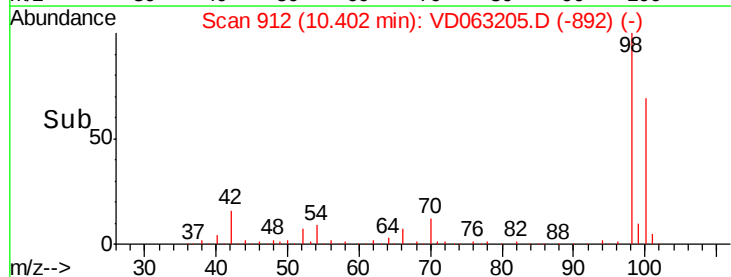
Tgt Ion: 98 Resp: 1279521
Ion Ratio Lower Upper
98 100
100 68.5 53.2 79.8

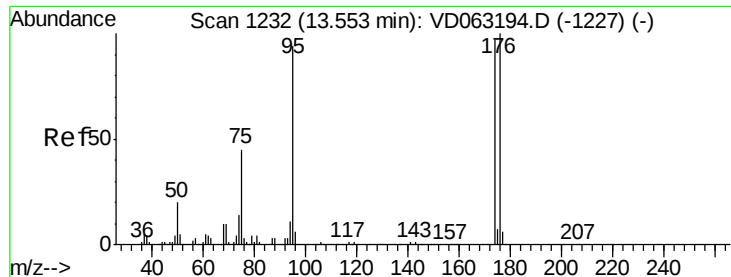


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 67.136 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063205.D

Acq: 29 Jul 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

TP-1

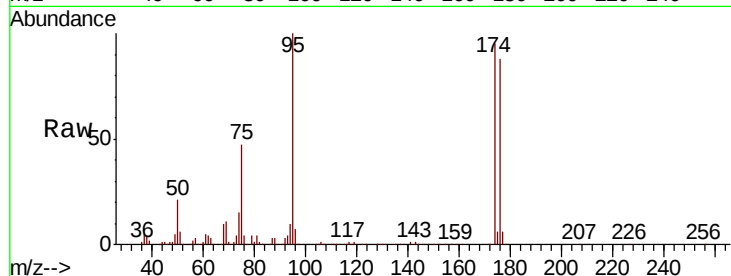
Tot Ion: 95 Resp: 581230

Ion Ratio Lower Upper

95 100

174 94.7 0.0 205.4

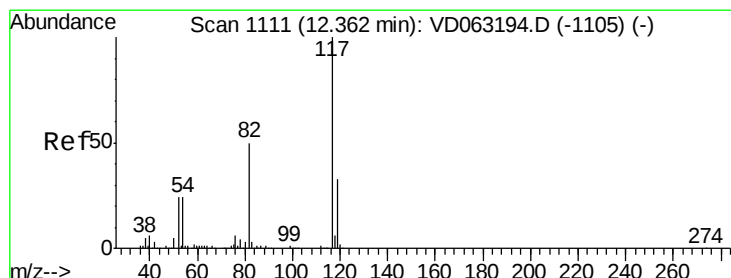
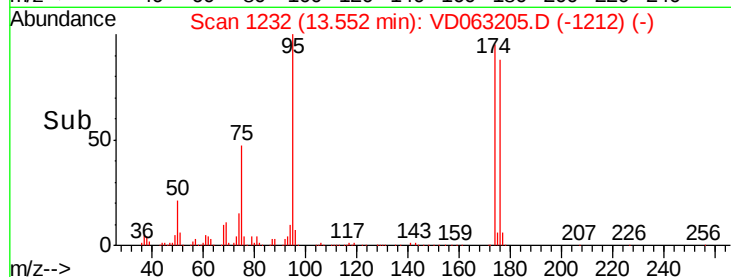
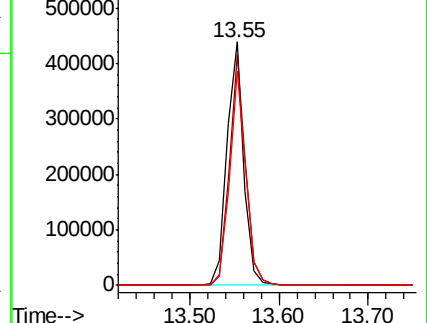
176 88.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063205.D

Acq: 29 Jul 2019 18:02

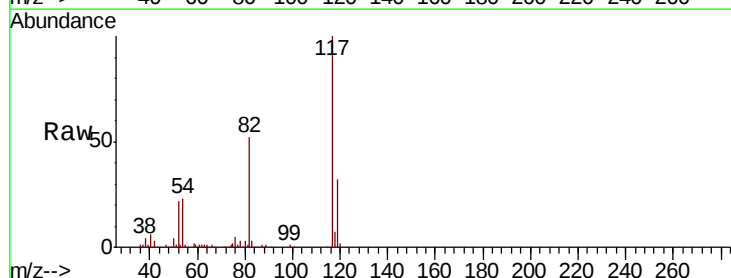
Tgt Ion: 117 Resp: 815249

Ion Ratio Lower Upper

117 100

82 51.8 40.1 60.1

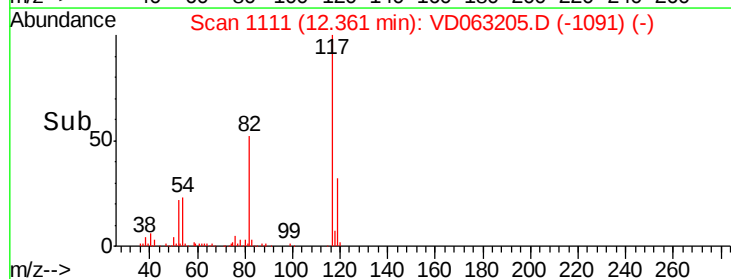
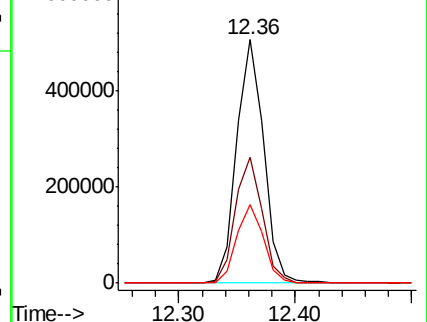
119 32.1 26.5 39.7

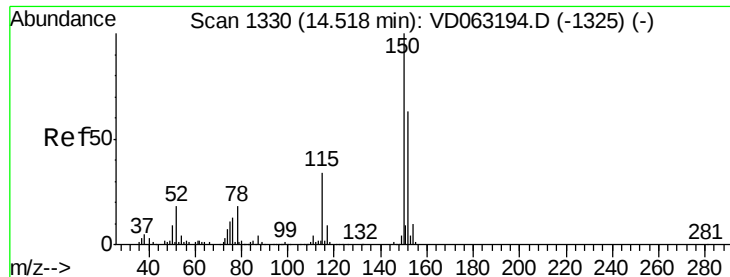


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063205.D

Acq: 29 Jul 2019 18:02

Instrument :

MSVOA_D

ClientSampleId :

TP-1

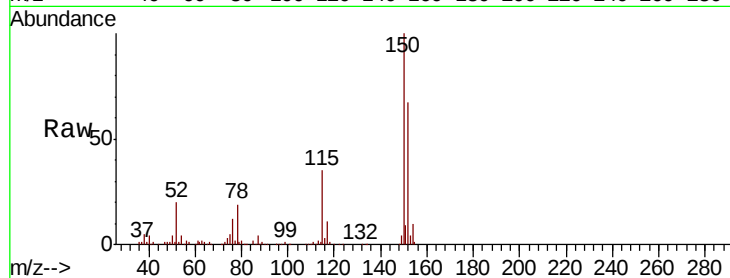
Tot Ion:152 Resp: 404383

Ion Ratio Lower Upper

152 100

115 52.5 27.5 82.4

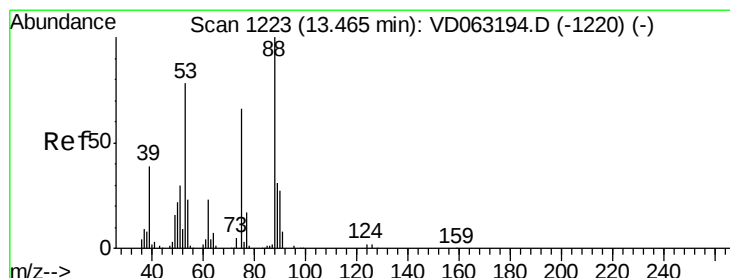
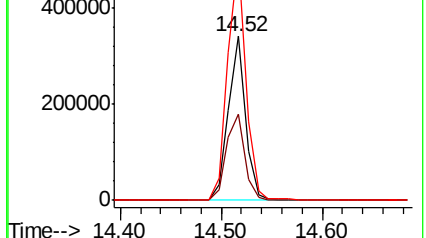
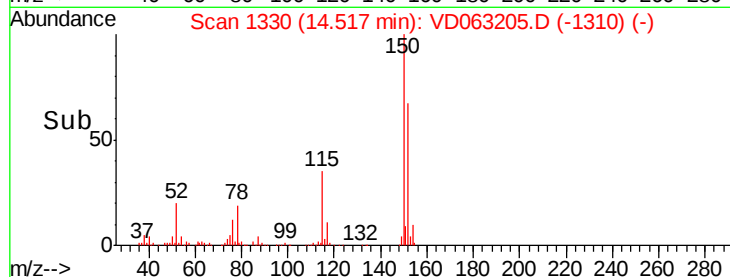
150 148.7 0.0 320.6



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: 204.219 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063205.D

Acq: 29 Jul 2019 18:02

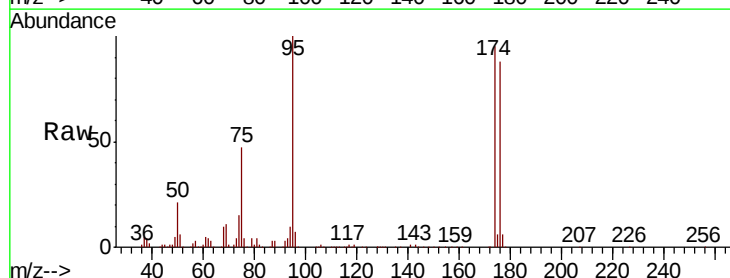
Tgt Ion: 75 Resp: 275437

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

