

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063445.D
 Acq On : 8 Aug 2019 18:19
 Operator : JC/SY
 Sample : K4092-01RE
 Misc : 6.65g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-080719-ARE

Quant Time: Aug 09 06:59:42 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	7.06	168	525094	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	766668	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	579341	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	266640	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	340366	58.42	ug/l	0.02
Spiked Amount 50.000			Recovery	=	116.84%	
35) Dibromofluoromethane	6.94	113	348151	53.19	ug/l	0.03
Spiked Amount 50.000			Recovery	=	106.38%	
50) Toluene-d8	10.42	98	573736	39.16	ug/l	0.01
Spiked Amount 50.000			Recovery	=	78.32%	
62) 4-Bromofluorobenzene	13.56	95	265371	39.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.50%	

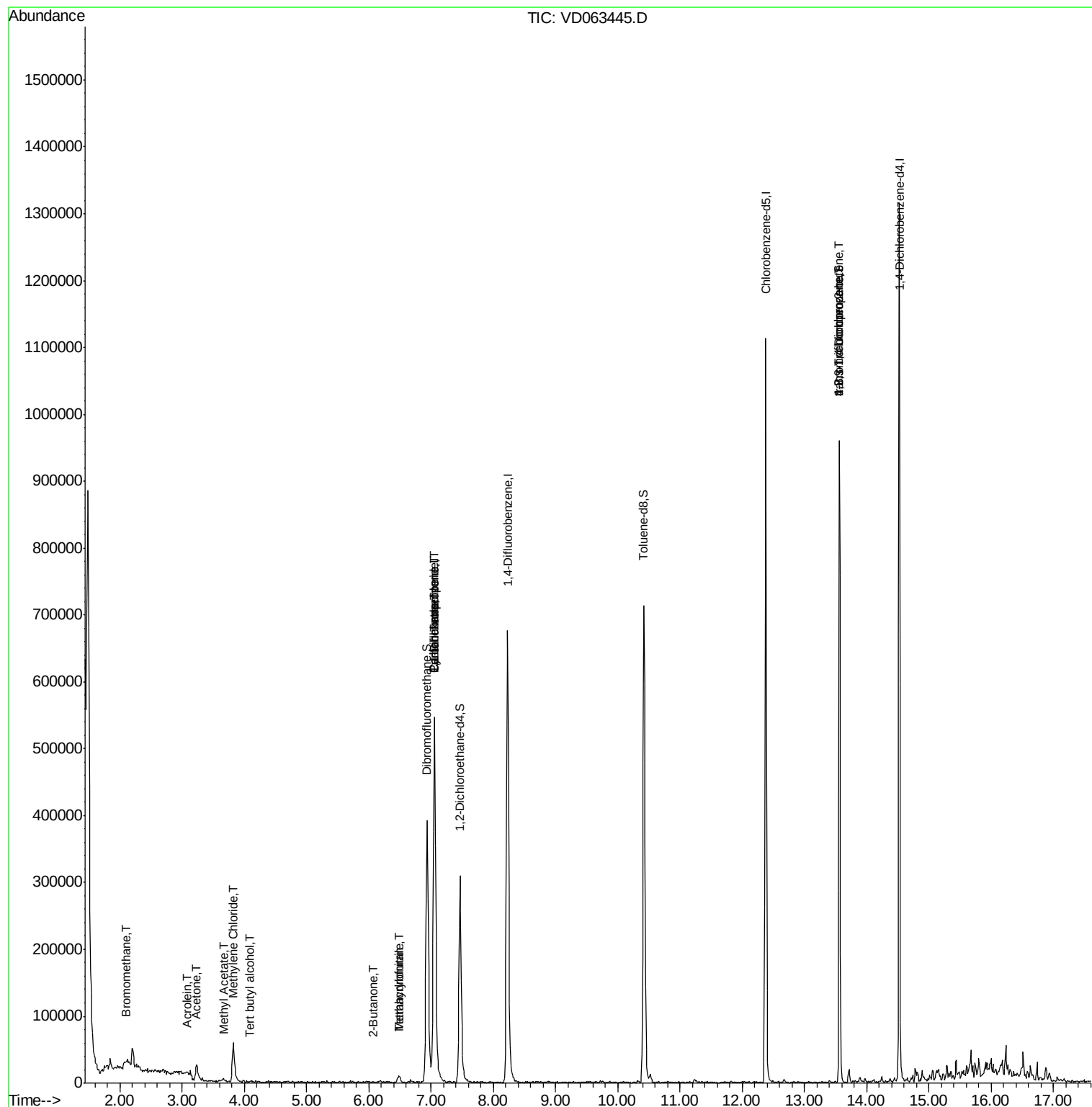
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.09	94	4058	1.559	ug/l #	1
11) Tert butyl alcohol	4.09	59	274	1.072	ug/l #	69
13) Acrolein	3.06	56	274	1.113	ug/l #	15
16) Acetone	3.23	43	51724	45.563	ug/l	97
18) Methyl Acetate	3.65	43	8297	3.805	ug/l #	81
20) Methylene Chloride	3.82	84	33461	7.292	ug/l #	89
25) 2-Butanone	6.08	43	1290	1.132	ug/l #	56
29) Tetrahydrofuran	6.48	42	9504	17.620	ug/l #	64
31) Cyclohexane	7.05	56	11715	2.257	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	40092	5.730	ug/l #	50
38) Carbon Tetrachloride	7.06	117	49809	4.729	ug/l #	15
41) Methacrylonitrile	6.47	41	5800	1.543	ug/l #	82
76) 1,2,3-Trichloropropane	13.56	75	94609	29.540	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	114323	128.551	ug/l #	3

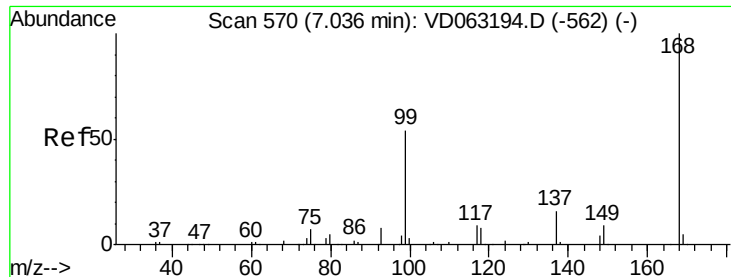
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063445.D

Acq: 8 Aug 2019 18:19

Instrument :

MSVOA_D

ClientSampleId :

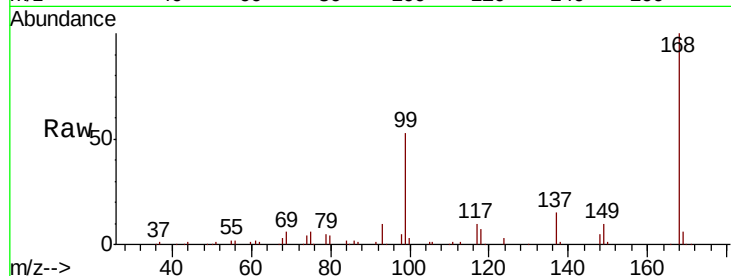
EO-01-080719-ARE

Tgt Ion: 168 Resp: 525094

Ion Ratio Lower Upper

168 100

99 52.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

150000

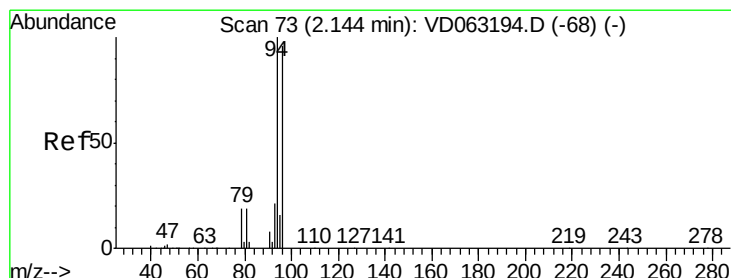
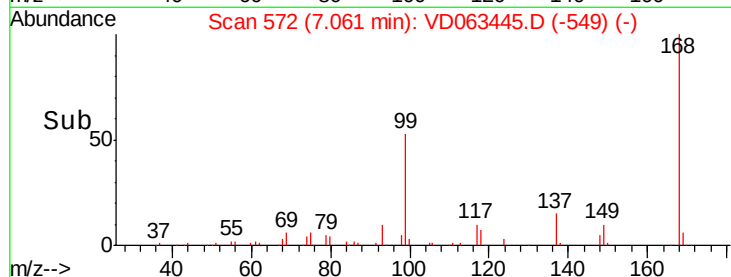
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.559 ug/l

RT: 2.09 min Scan# 67

Delta R.T. -0.05 min

Lab File: VD063445.D

Acq: 8 Aug 2019 18:19

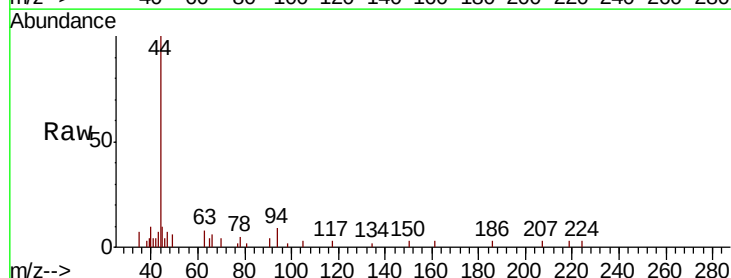
Tgt Ion: 94 Resp: 4058

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 100.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.09

1500

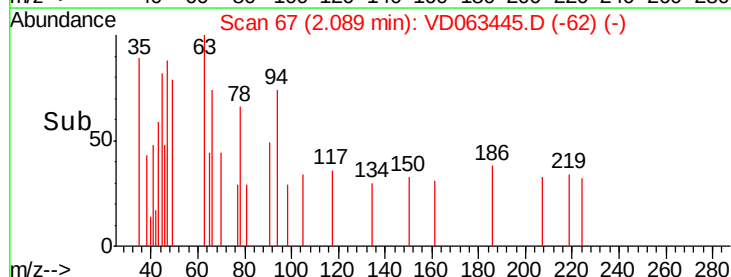
1000

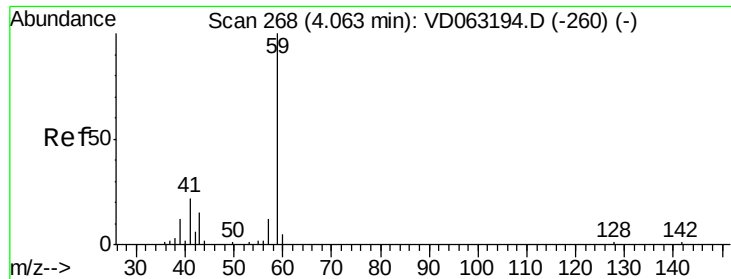
500

0

Time-->

2.05 2.10 2.15



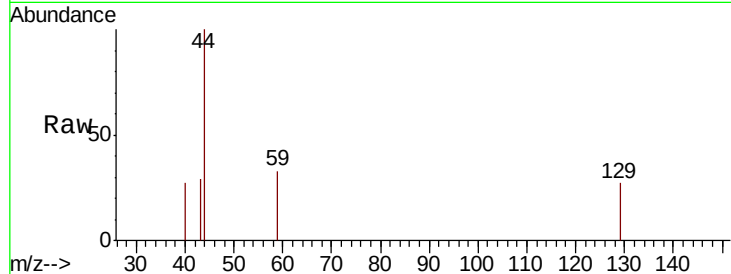


#11

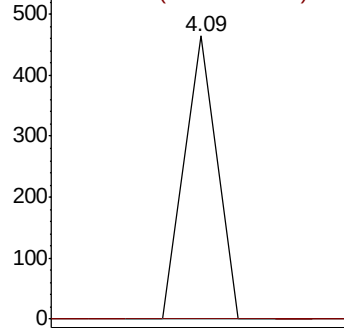
Tert butyl alcohol
Concen: 1.072 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

Instrument :
MSVOA_D
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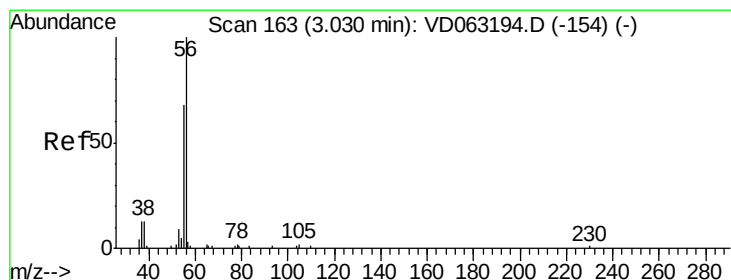
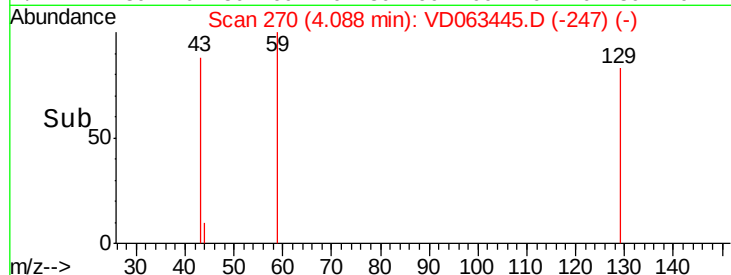
Tgt Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



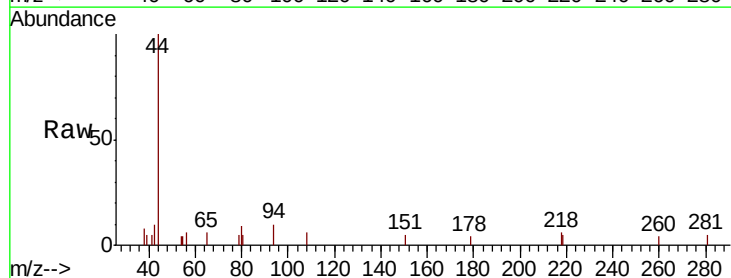
Time-->



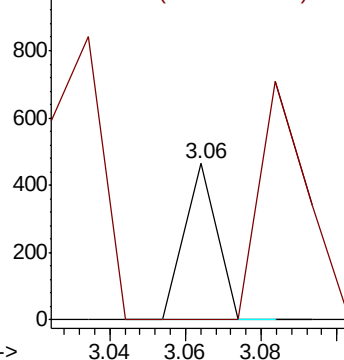
#13

Acrolein
Concen: 1.113 ug/l
RT: 3.06 min Scan# 166
Delta R.T. 0.03 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

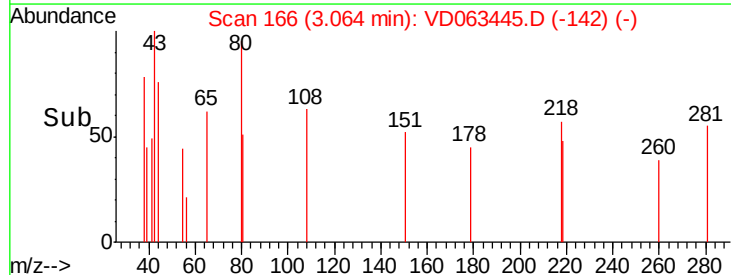
Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

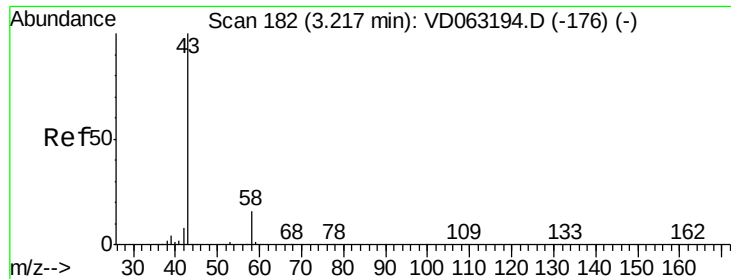


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



Time-->





#16

Acetone

Concen: 45.563 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063445.D

Acq: 8 Aug 2019 18:19

Instrument :

MSVOA_D

ClientSampleId :

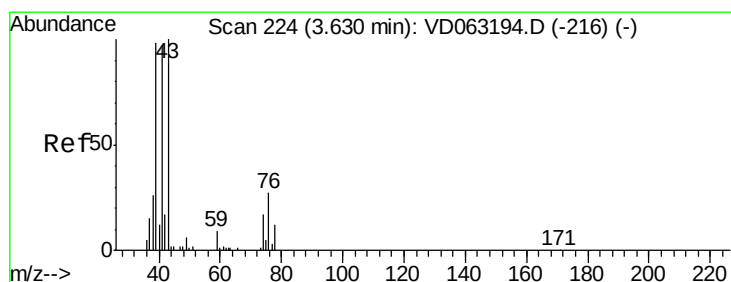
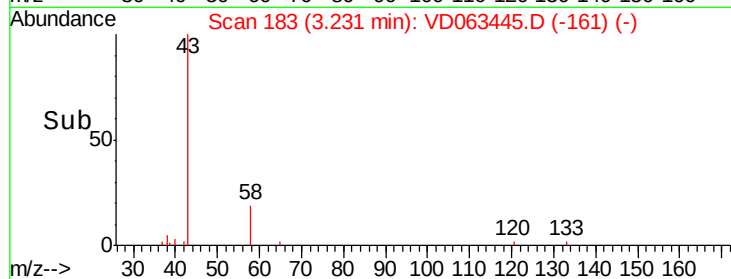
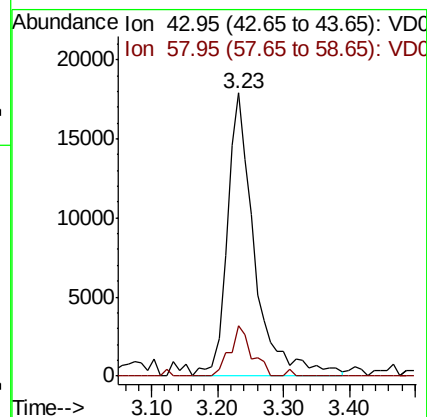
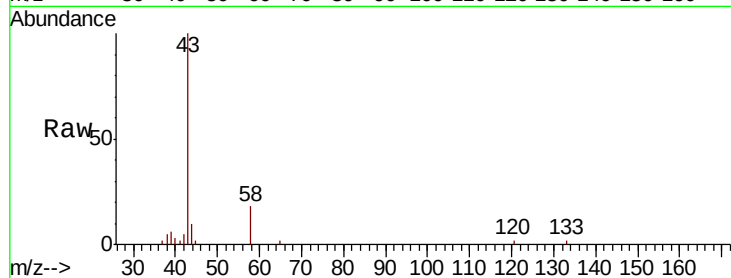
EO-01-080719-ARE

Tgt Ion: 43 Resp: 51724

Ion Ratio Lower Upper

43 100

58 17.6 13.0 19.4



#18

Methyl Acetate

Concen: 3.805 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063445.D

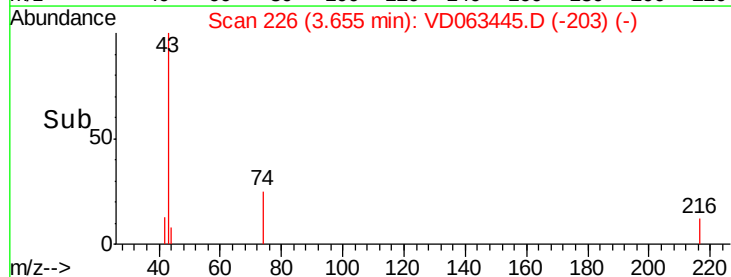
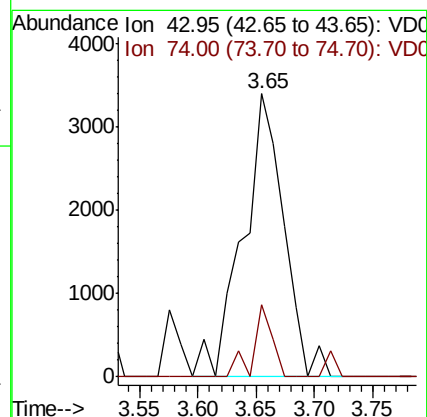
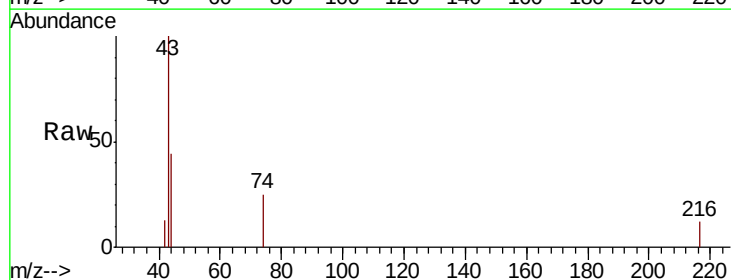
Acq: 8 Aug 2019 18:19

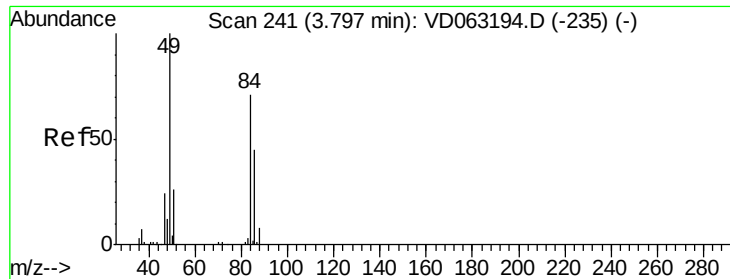
Tgt Ion: 43 Resp: 8297

Ion Ratio Lower Upper

43 100

74 25.4 13.8 20.8#

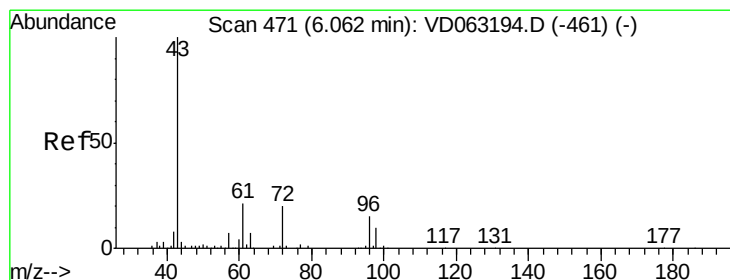
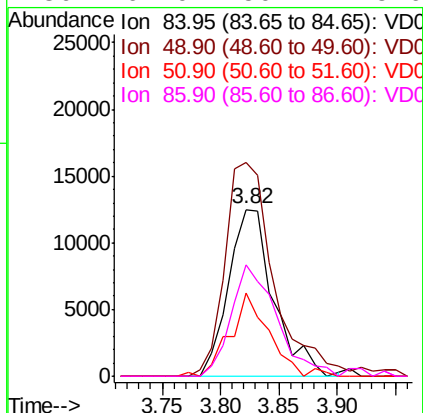
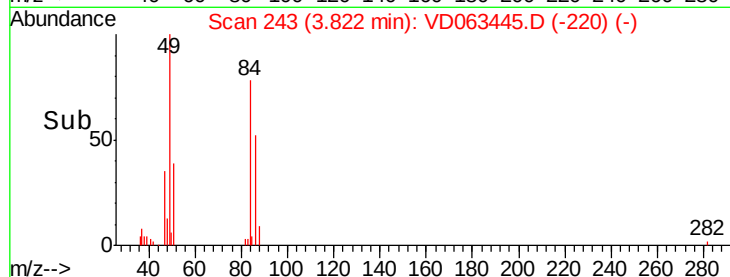
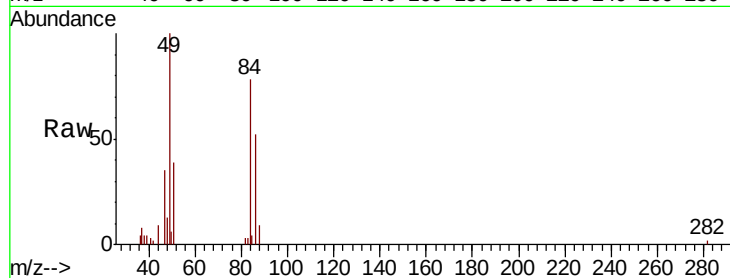




#20
Methylene Chloride
Concen: 7.292 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

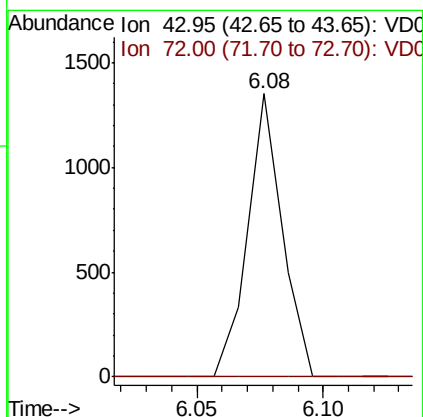
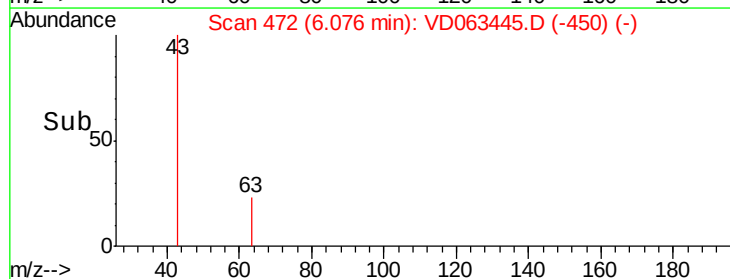
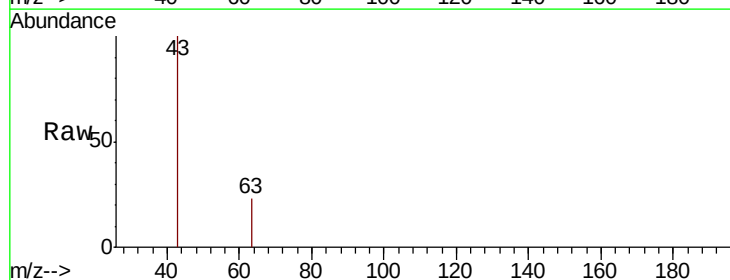
Instrument :
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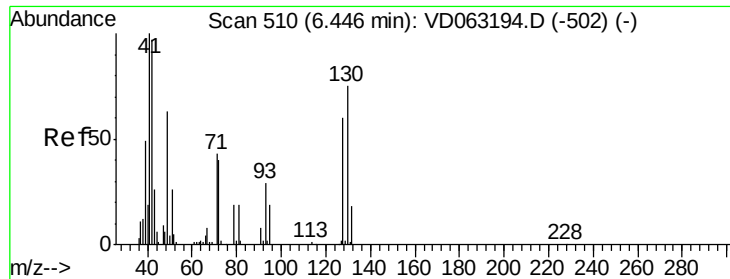
Tgt Ion: 84 Resp: 33461
Ion Ratio Lower Upper
84 100
49 127.8 112.5 168.7
51 49.7 29.6 44.4#
86 67.0 50.4 75.6



#25
2-Butanone
Concen: 1.132 ug/l
RT: 6.08 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

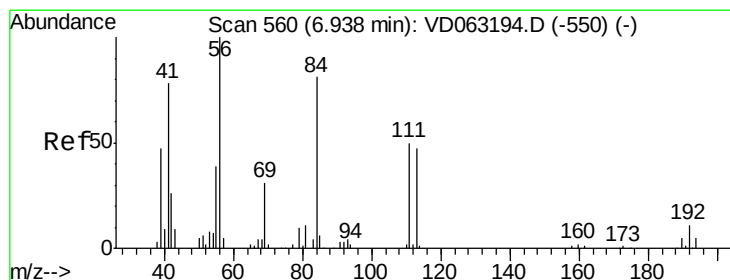
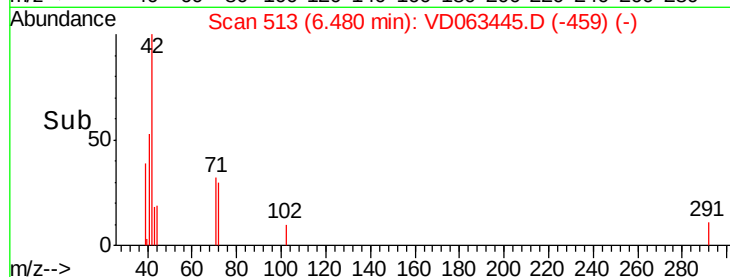
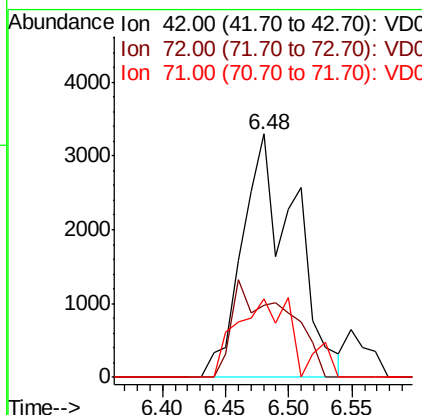
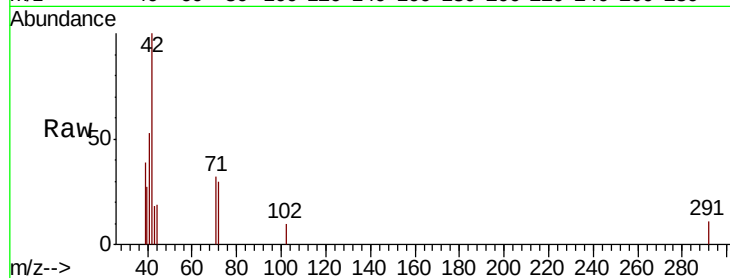




#29
Tetrahydrofuran
Concen: 17.620 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

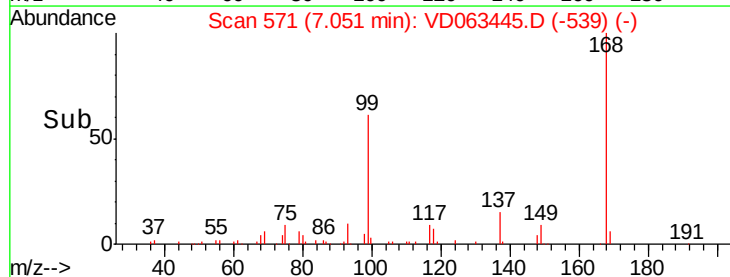
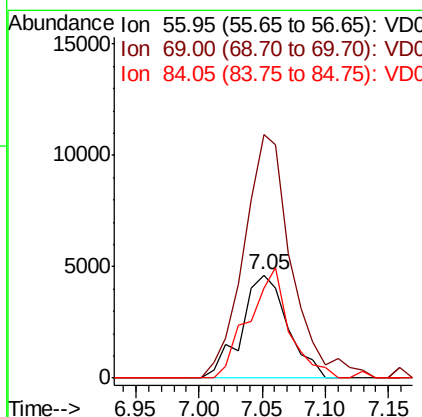
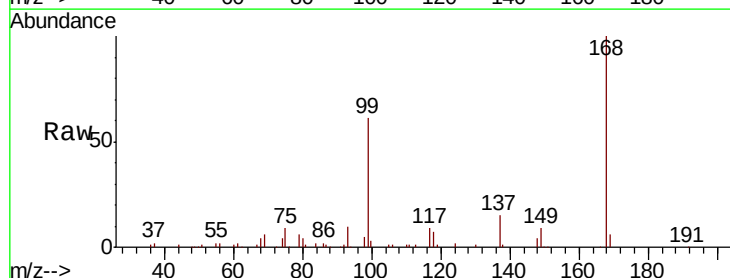
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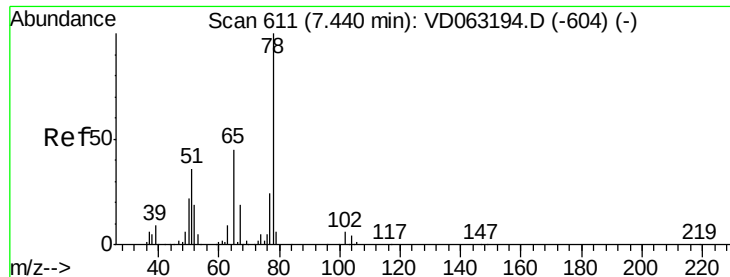
Tgt Ion: 42 Resp: 9504
Ion Ratio Lower Upper
42 100
72 41.1 33.4 50.2
71 0.0 35.7 53.5#



#31
Cyclohexane
Concen: 2.257 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

Tgt Ion: 56 Resp: 11715
Ion Ratio Lower Upper
56 100
69 236.2 24.5 36.7#
84 86.8 64.9 97.3

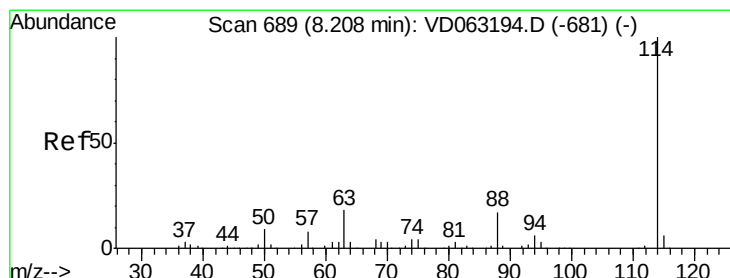
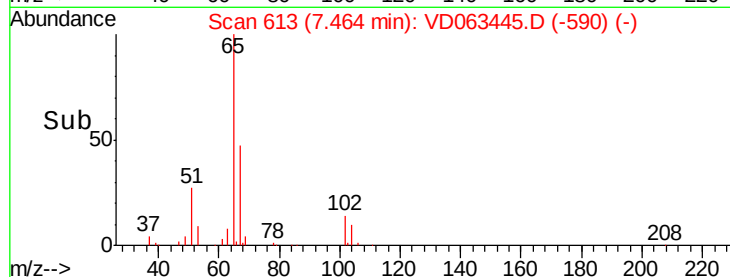
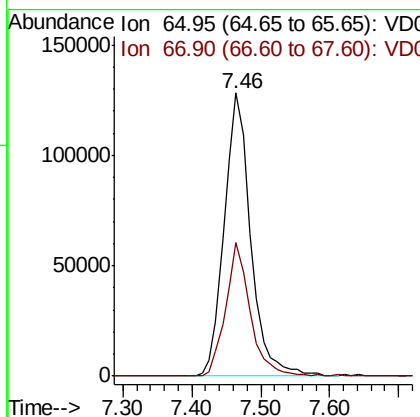
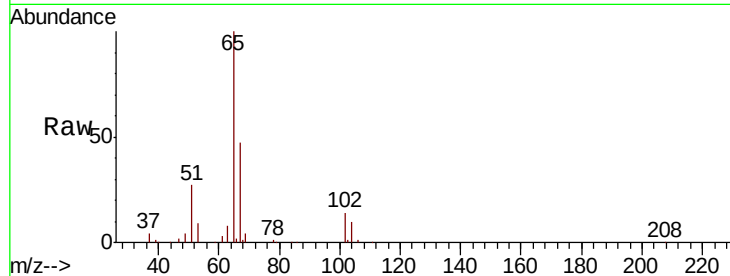




#33
 1,2-Dichloroethane-d4
 Concen: 58.418 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063445.D
 Acq: 8 Aug 2019 18:19

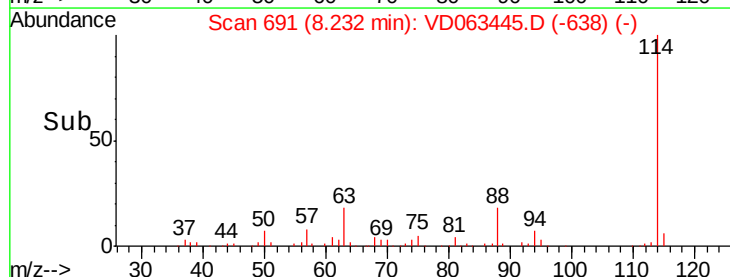
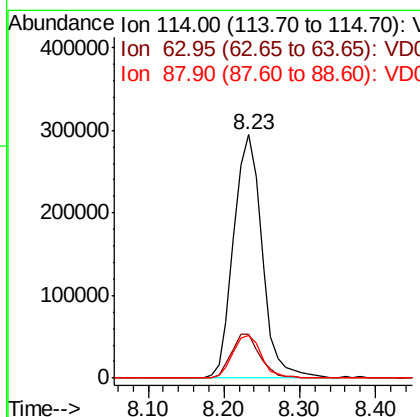
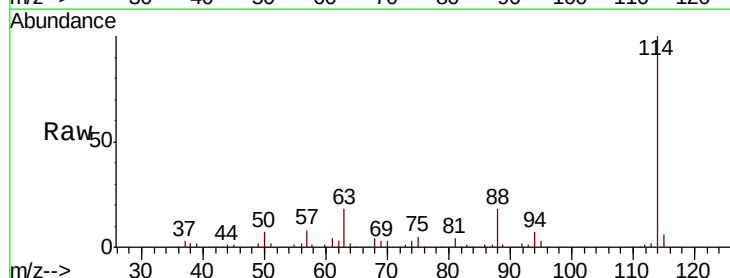
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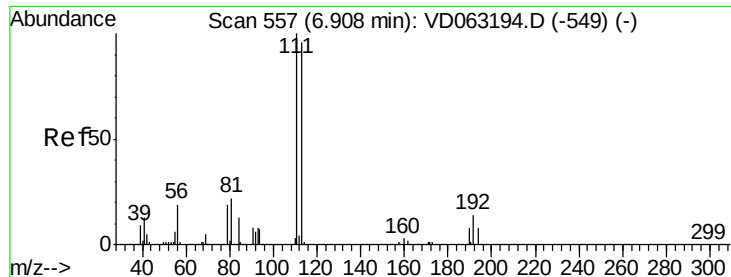
Tgt Ion: 65 Resp: 340366
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063445.D
 Acq: 8 Aug 2019 18:19

Tgt Ion: 114 Resp: 766668
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 17.5 0.0 34.6





#35

Dibromofluoromethane

Concen: 53.188 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063445.D

Acq: 8 Aug 2019 18:19

Instrument :

MSVOA_D

ClientSampleId :

EO-01-080719-ARE

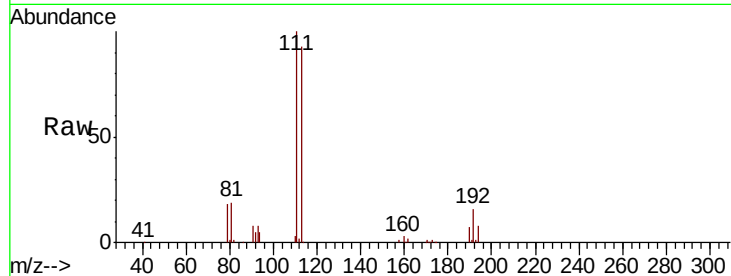
Tgt Ion:113 Resp: 348151

Ion Ratio Lower Upper

113 100

111 107.6 83.2 124.8

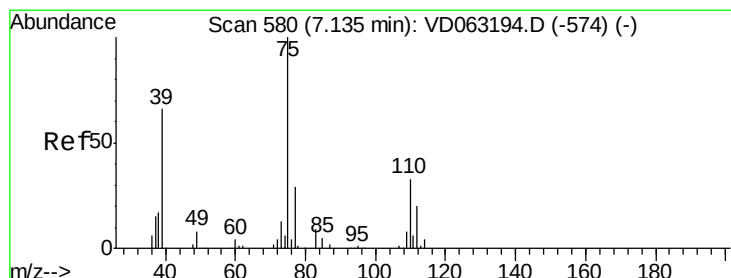
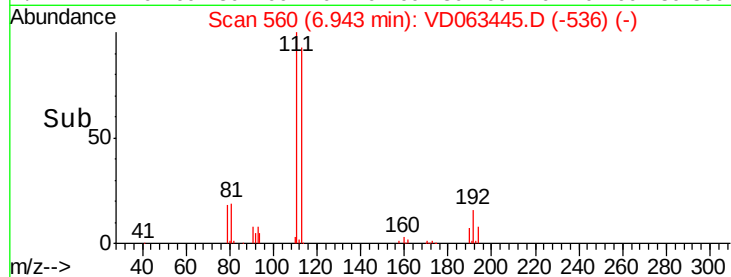
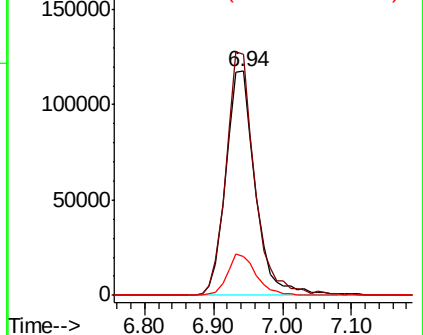
192 17.4 11.8 17.8



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: 5.730 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063445.D

Acq: 8 Aug 2019 18:19

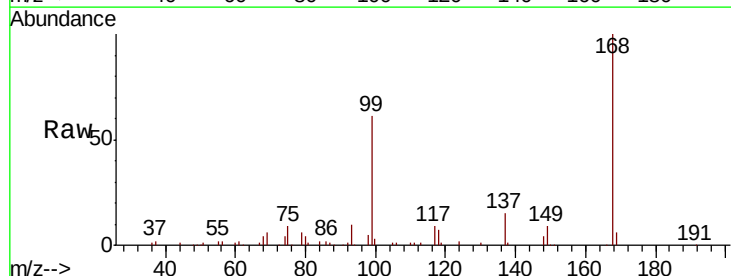
Tgt Ion: 75 Resp: 40092

Ion Ratio Lower Upper

75 100

110 5.9 16.1 48.2#

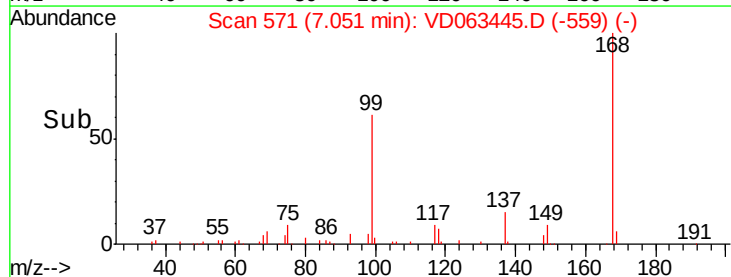
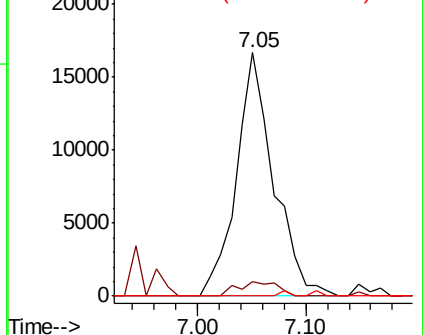
77 0.0 22.7 34.1#

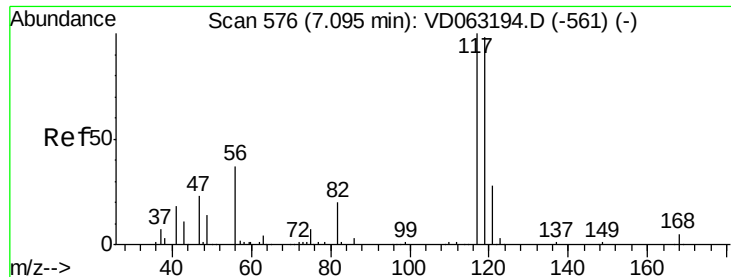


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.729 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD063445.D

Acq: 8 Aug 2019 18:19

Instrument :

MSVOA_D

ClientSampleId :

EO-01-080719-ARE

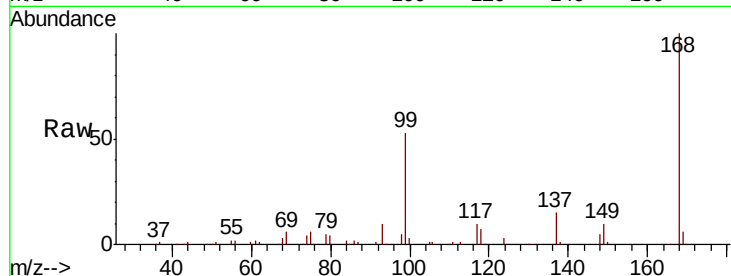
Tgt Ion:117 Resp: 49809

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

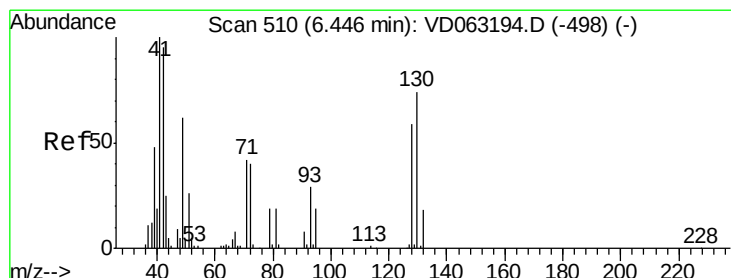
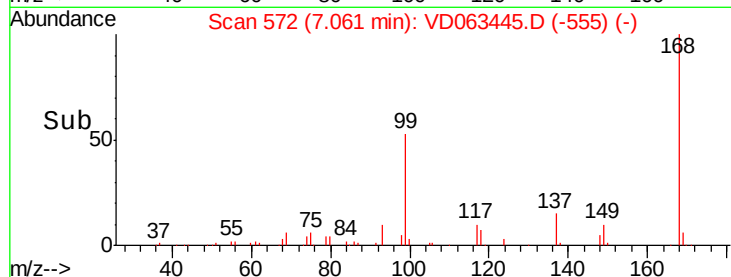
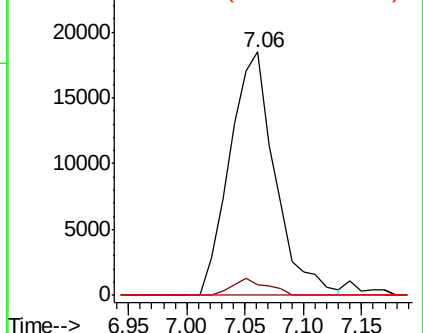
121 0.0 22.1 33.1#



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



#41

Methacrylonitrile

Concen: 1.543 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063445.D

Acq: 8 Aug 2019 18:19

Tgt Ion: 41 Resp: 5800

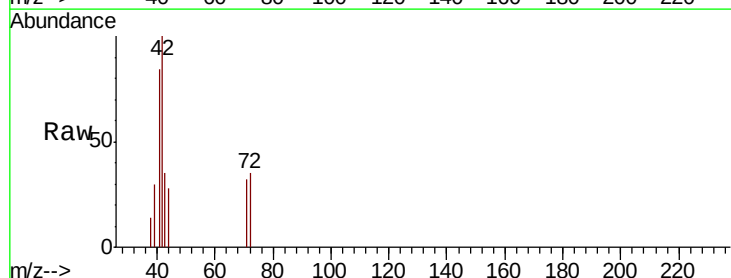
Ion Ratio Lower Upper

41 100

39 36.4 38.4 57.6#

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

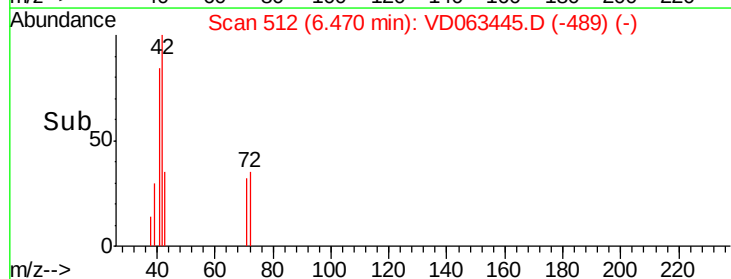
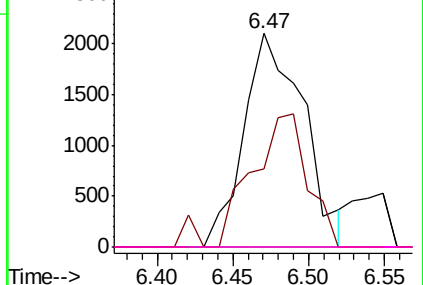


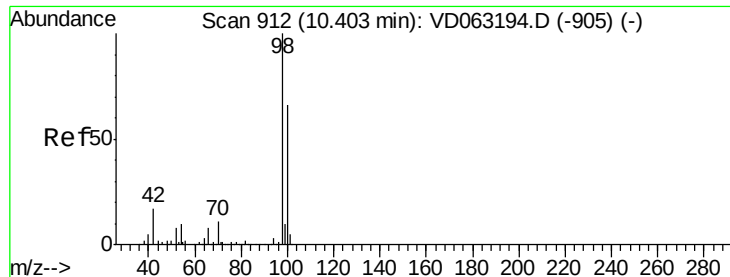
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

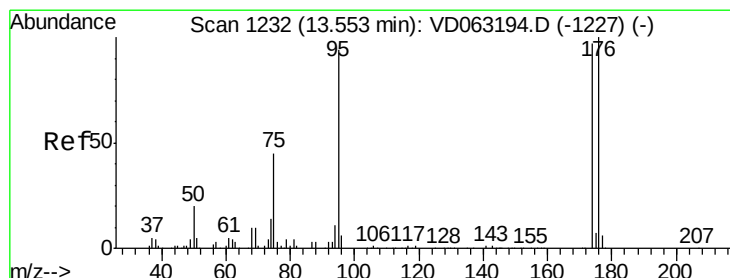
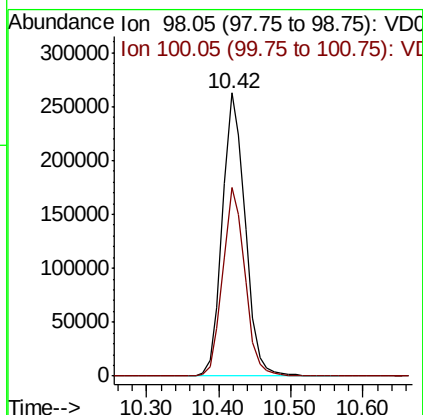
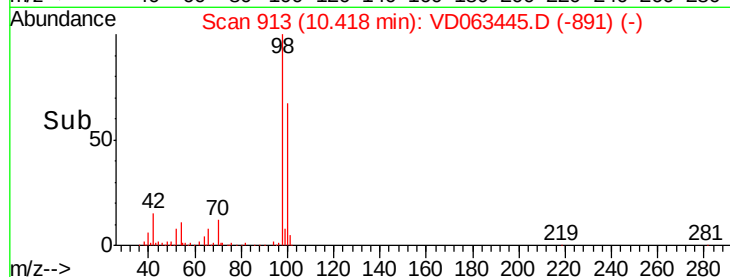
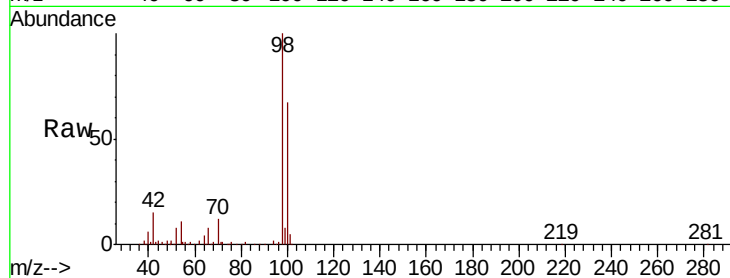




#50
Toluene-d8
Concen: 39.165 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

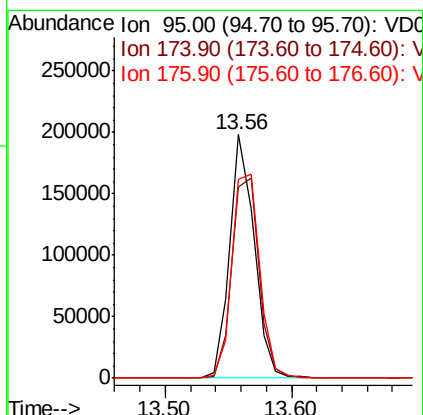
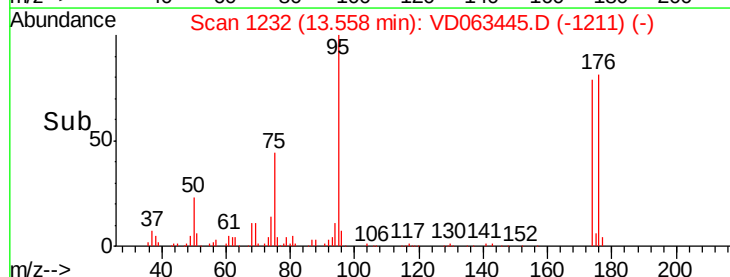
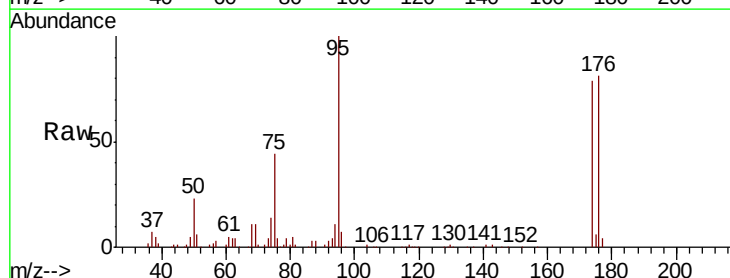
Instrument :
MSVOA_D
ClientSampleId :
EO-01-080719-ARE

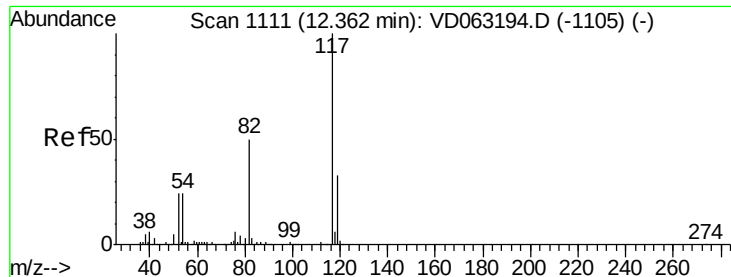
Tgt Ion: 98 Resp: 573736
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 39.752 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

Tgt Ion: 95 Resp: 265371
Ion Ratio Lower Upper
95 100
174 78.6 0.0 205.4
176 81.5 0.0 211.8

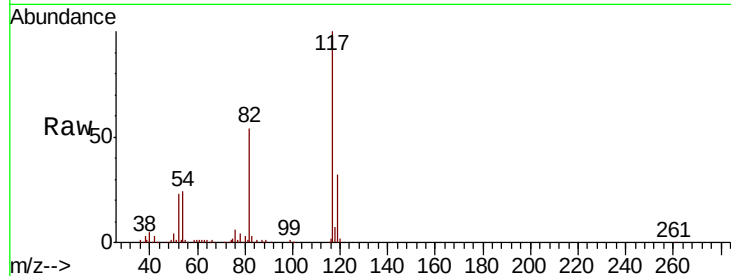




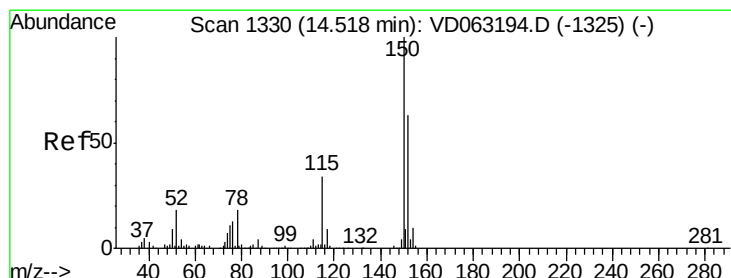
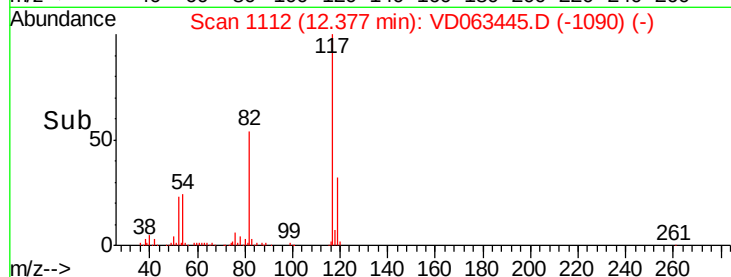
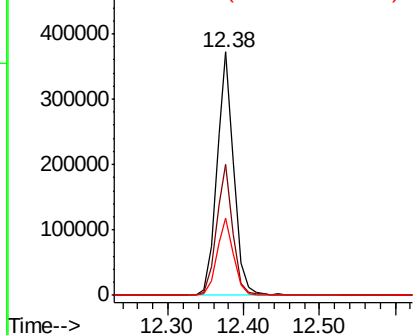
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

Instrument :
MSVOA_D
ClientSampleId :
EO-01-080719-ARE

Tgt Ion:117 Resp: 579341
Ion Ratio Lower Upper
117 100
82 53.7 40.1 60.1
119 32.0 26.5 39.7

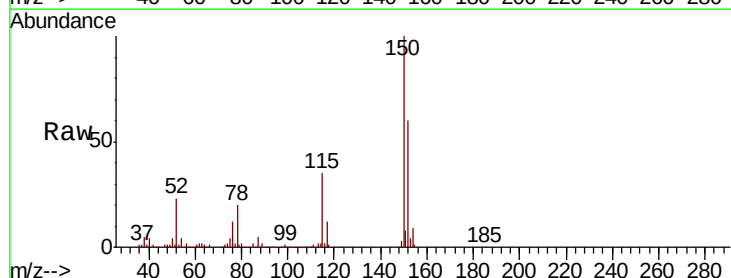


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

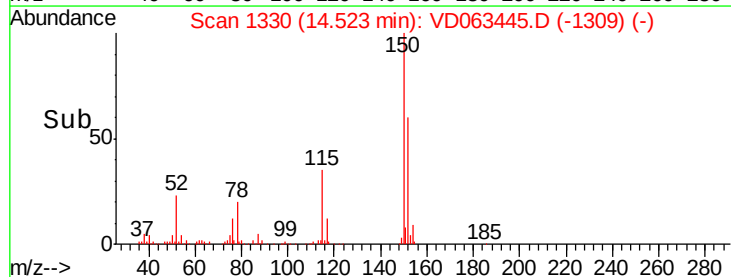
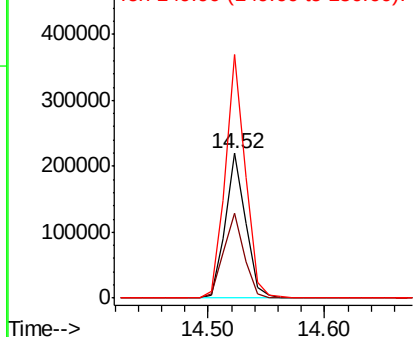


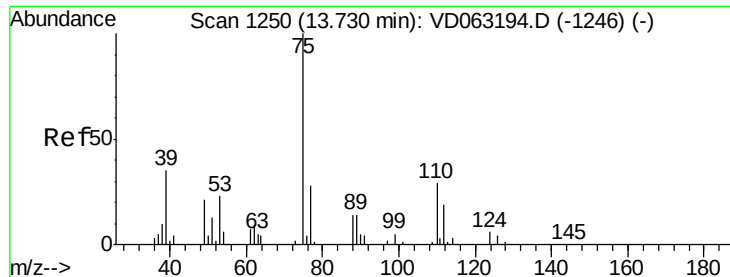
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063445.D
Acq: 8 Aug 2019 18:19

Tgt Ion:152 Resp: 266640
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.4
150 168.0 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

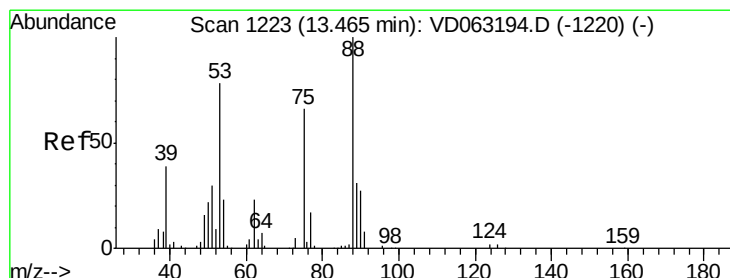
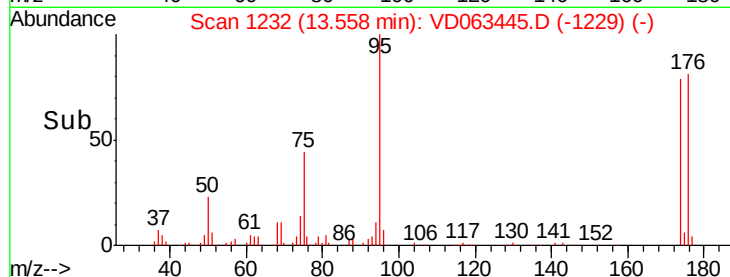
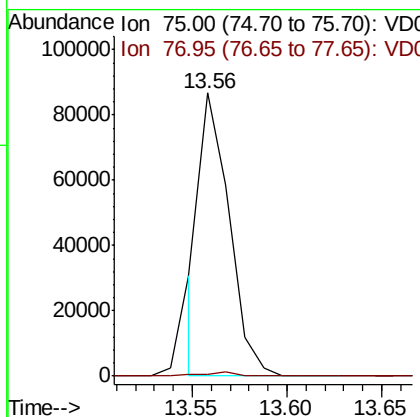
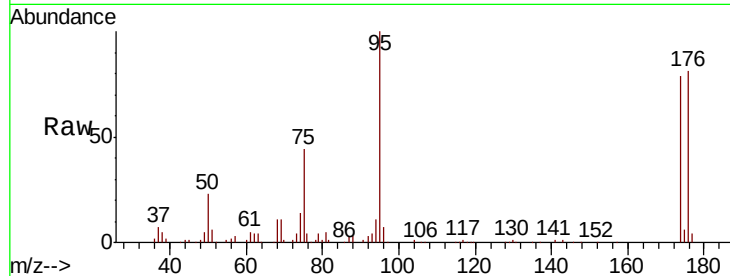




#76
 1,2,3-Trichloropropane
 Concen: 29.540 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD063445.D
 Acq: 8 Aug 2019 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-080719-ARE

Tgt Ion: 75 Resp: 94609
 Ion Ratio Lower Upper
 75 100
 77 0.6 16.0 48.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.551 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD063445.D
 Acq: 8 Aug 2019 18:19

Tgt Ion: 75 Resp: 114323
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#

