

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063202.D
 Acq On : 29 Jul 2019 16:40
 Operator : VA/AP
 Sample : K4011-01RE
 Misc : 5.13g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-COMP-OSRE

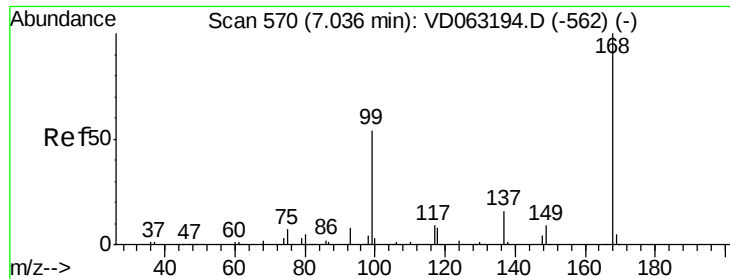
Quant Time: Jul 30 03:17:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	580327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	902008	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	548211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	152684	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	555489	86.27	ug/l	0.00
Spiked Amount			Recovery	=	172.54%	
35) Dibromofluoromethane	6.91	113	601614	78.12	ug/l	0.00
Spiked Amount			Recovery	=	156.24%	
50) Toluene-d8	10.40	98	909164	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	13.55	95	275843	35.12	ug/l	0.00
Spiked Amount			Recovery	=	70.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	647	2.290	ug/l #	69
13) Acrolein	3.04	56	835	3.070	ug/l #	15
16) Acetone	3.22	43	20007	15.947	ug/l	97
20) Methylene Chloride	3.81	84	23272	4.589	ug/l	91
31) Cyclohexane	7.04	56	13105	2.285	ug/l #	4
36) 1,1-Dichloropropene	7.04	75	46506	5.649	ug/l #	56
38) Carbon Tetrachloride	7.04	117	55441	4.474	ug/l #	14
49) 1,4-Dioxane	8.71	88	251	5.577	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	128634	252.597	ug/l #	3
96) 1,2,3-Trichlorobenzene	16.27	180	4358	1.651	ug/l #	78

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

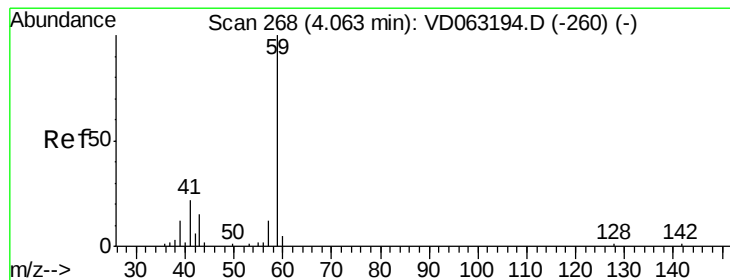
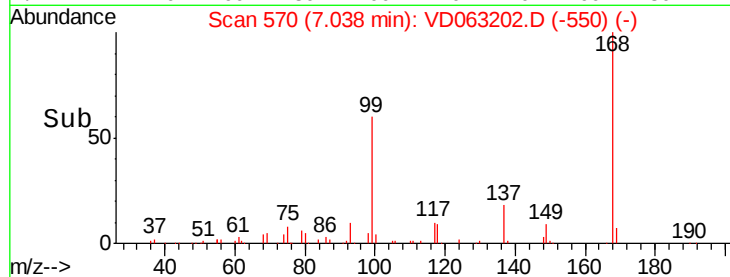
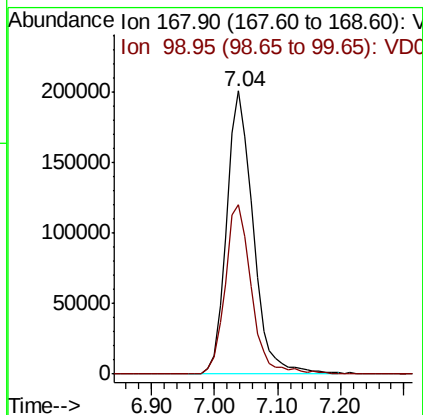
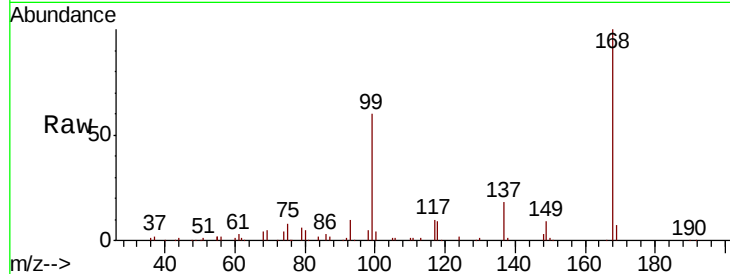


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VD063202.D
 Acq: 29 Jul 2019 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-COMP-OSRE

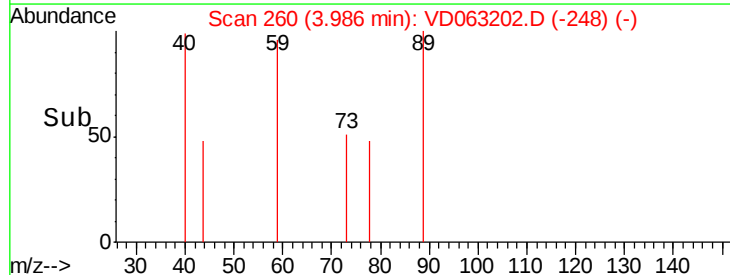
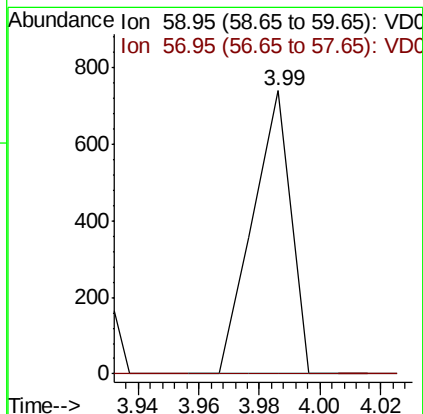
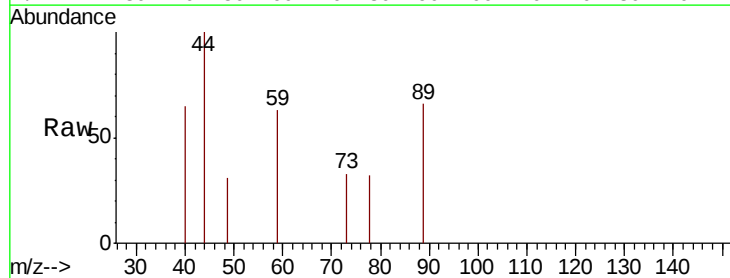
Tot Ion:168 Resp: 580327
 Ion Ratio Lower Upper
 168 100
 99 59.7 43.7 65.5

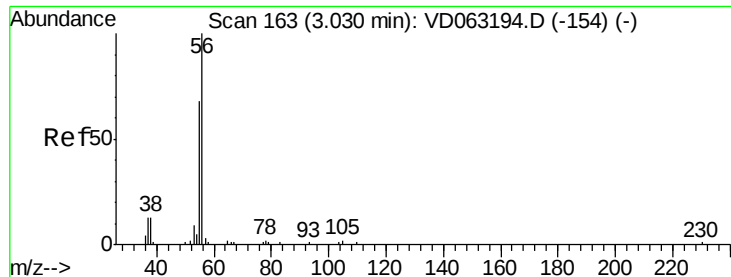


#11

Tert butyl alcohol
 Concen: 2.290 ug/l
 RT: 3.99 min Scan# 260
 Delta R.T. -0.08 min
 Lab File: VD063202.D
 Acq: 29 Jul 2019 16:40

Tgt Ion: 59 Resp: 647
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#





#13

Acrolein

Concen: 3.070 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063202.D

Acq: 29 Jul 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

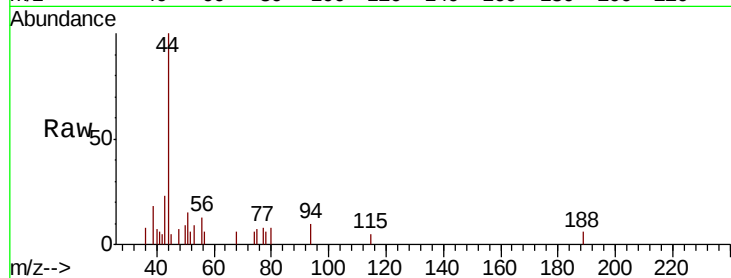
DRUM-COMP-OSRE

Tot Ion: 56 Resp: 835

Ion Ratio Lower Upper

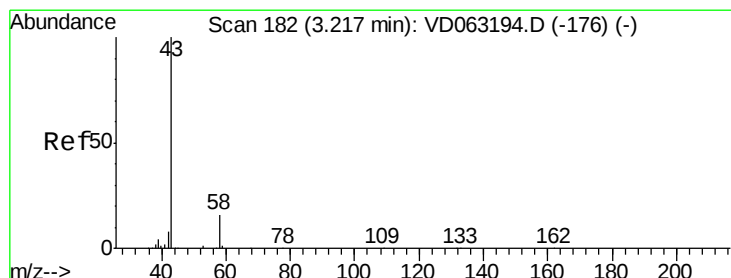
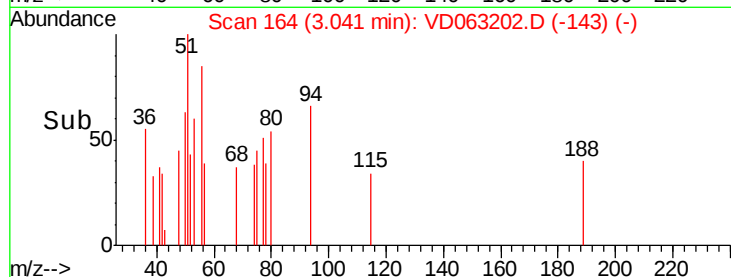
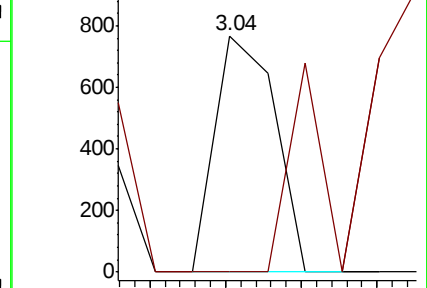
56 100

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: 15.947 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063202.D

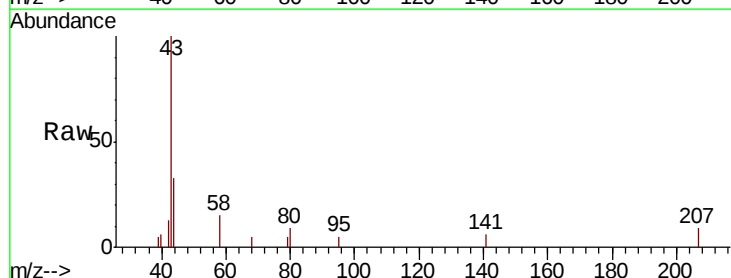
Acq: 29 Jul 2019 16:40

Tgt Ion: 43 Resp: 20007

Ion Ratio Lower Upper

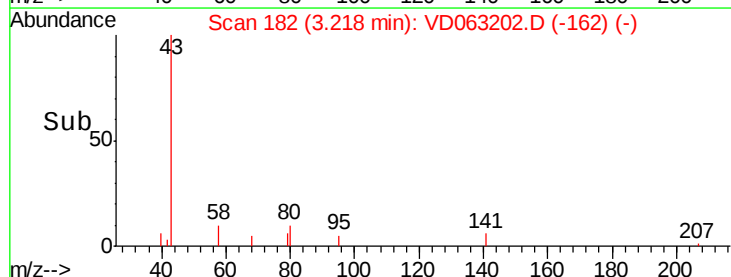
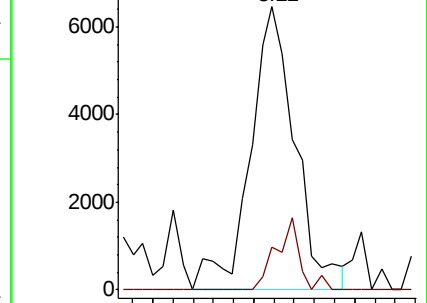
43 100

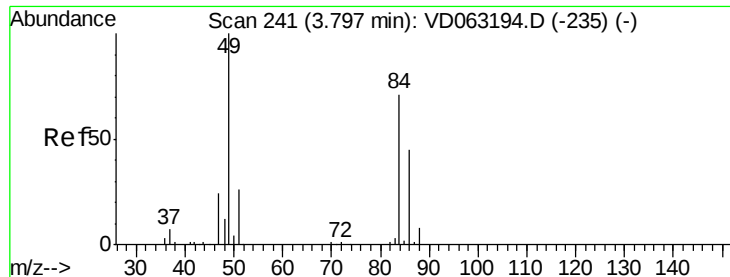
58 15.0 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

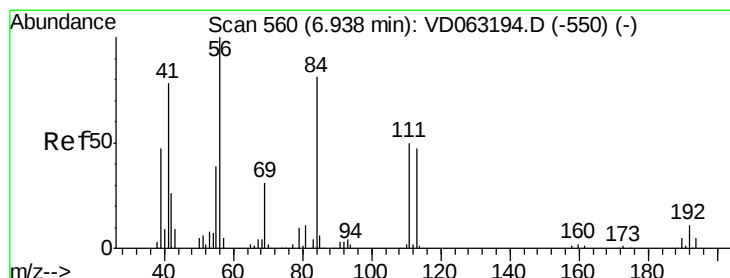
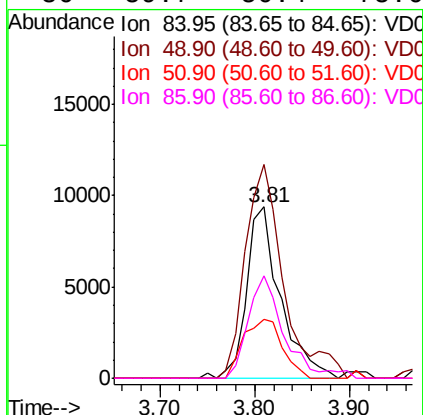
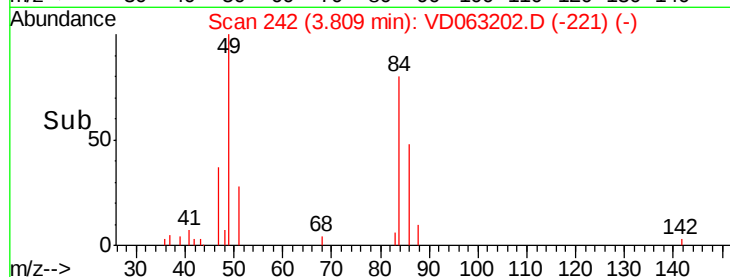
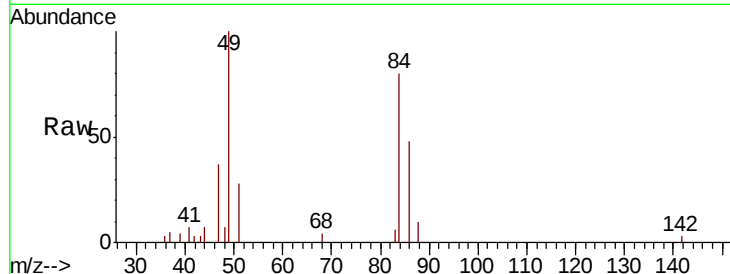




#20
Methylene Chloride
Concen: 4.589 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063202.D
Acq: 29 Jul 2019 16:40

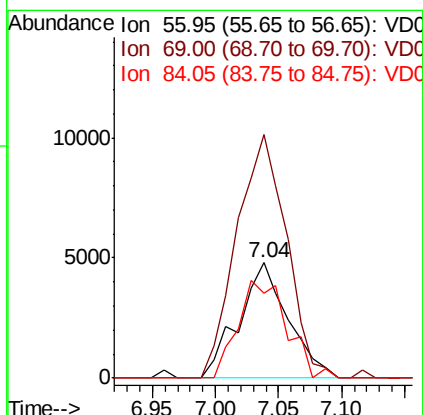
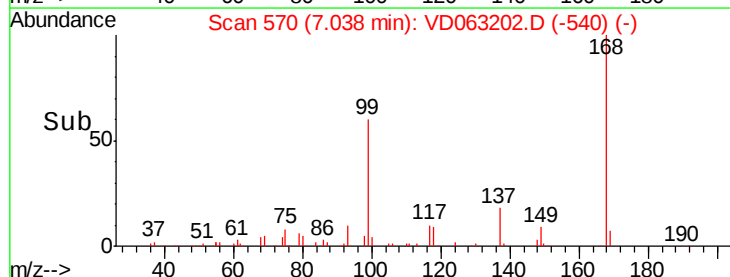
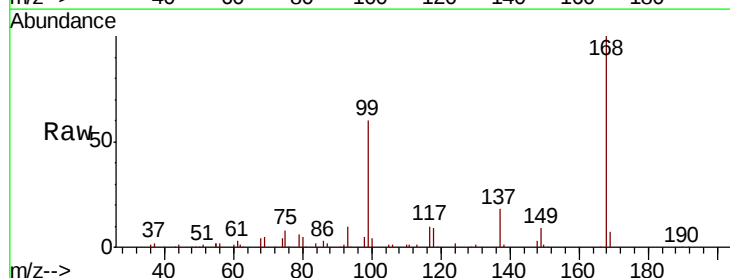
Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-OSRE

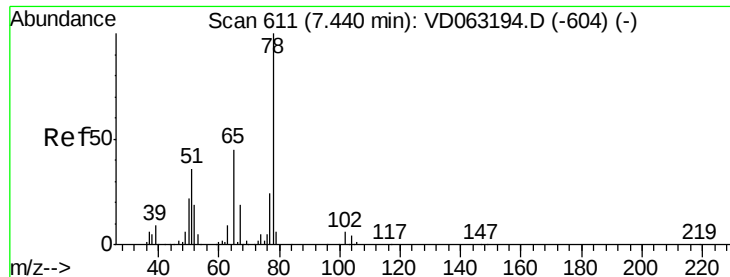
Tot Ion: 84 Resp: 23272
Ion Ratio Lower Upper
84 100
49 124.6 112.5 168.7
51 34.6 29.6 44.4
86 59.7 50.4 75.6



#31
Cyclohexane
Concen: 2.285 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063202.D
Acq: 29 Jul 2019 16:40

Tgt Ion: 56 Resp: 13105
Ion Ratio Lower Upper
56 100
69 211.5 24.5 36.7#
84 74.1 64.9 97.3

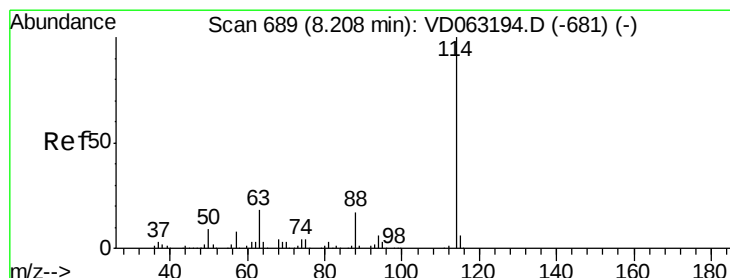
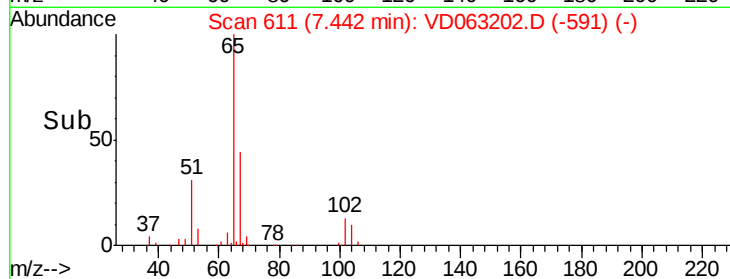
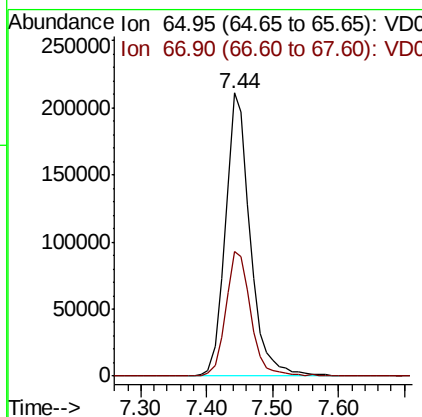
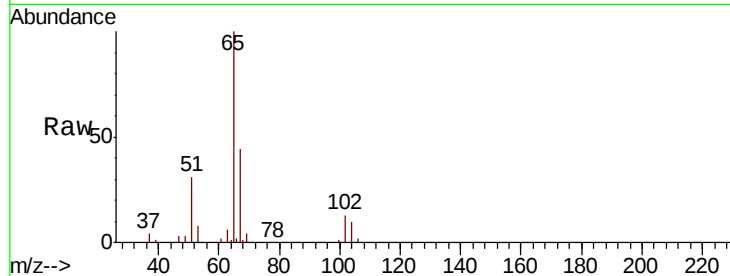




#33
 1,2-Dichloroethane-d4
 Concen: 86.266 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063202.D
 Acq: 29 Jul 2019 16:40

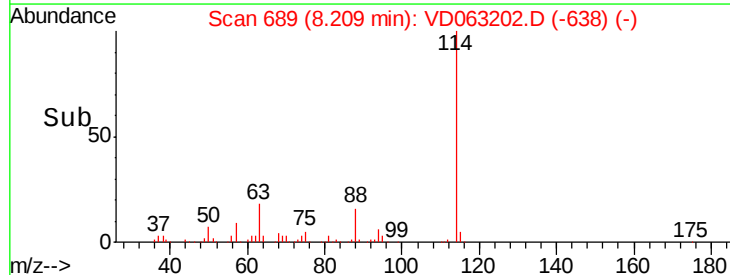
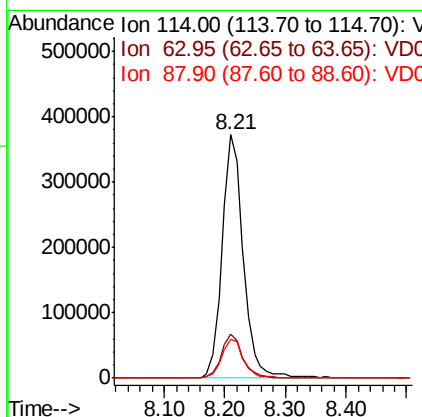
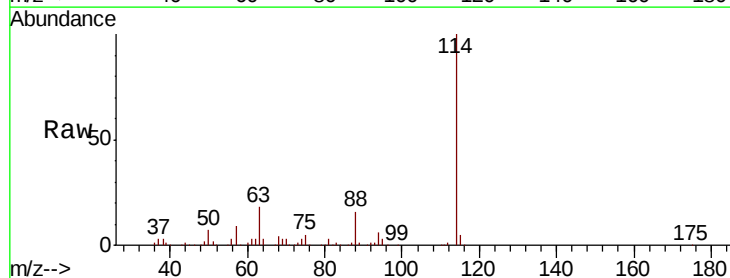
Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-COMP-OSRE

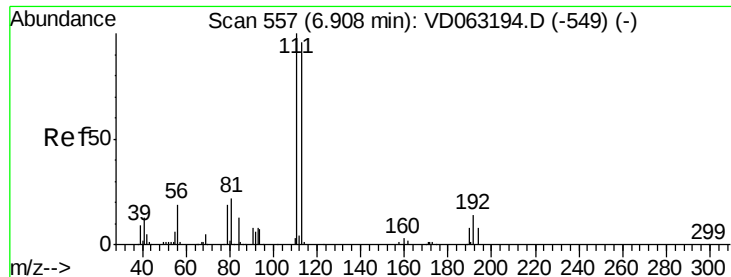
Tot Ion: 65 Resp: 555489
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063202.D
 Acq: 29 Jul 2019 16:40

Tgt Ion: 114 Resp: 902008
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 15.9 0.0 34.6





#35

Dibromofluoromethane

Concen: 78.119 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063202.D

Acq: 29 Jul 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

DRUM-COMP-OSRE

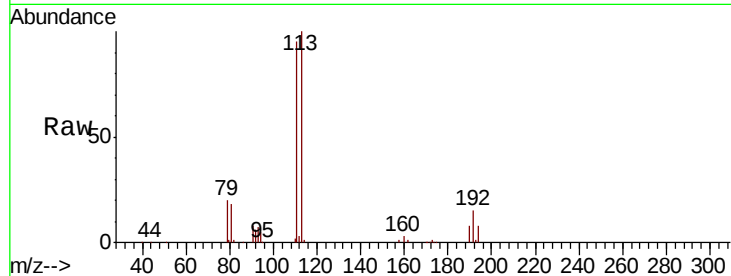
Tot Ion:113 Resp: 601614

Ion Ratio Lower Upper

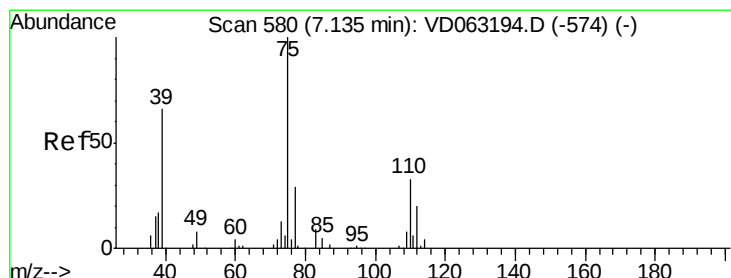
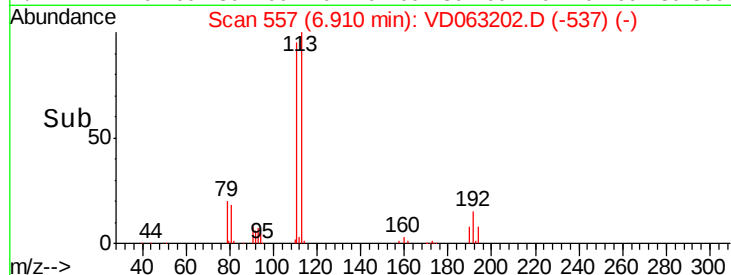
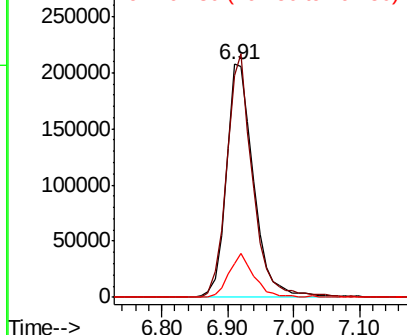
113 100

111 95.1 83.2 124.8

192 14.6 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: 5.649 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063202.D

Acq: 29 Jul 2019 16:40

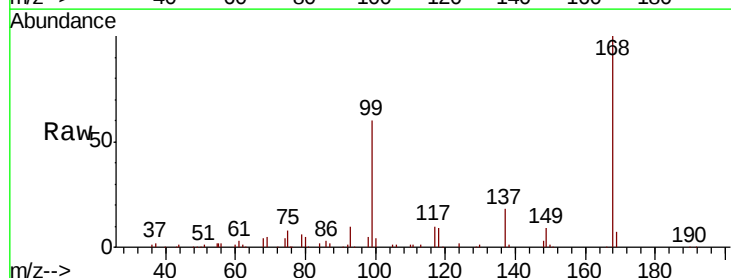
Tgt Ion: 75 Resp: 46506

Ion Ratio Lower Upper

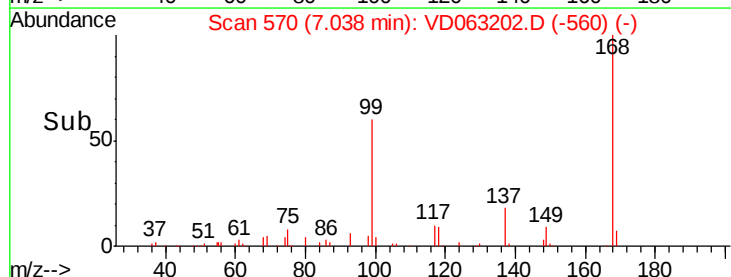
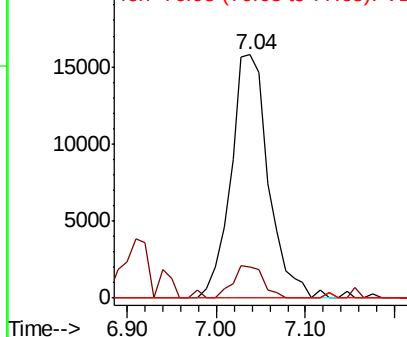
75 100

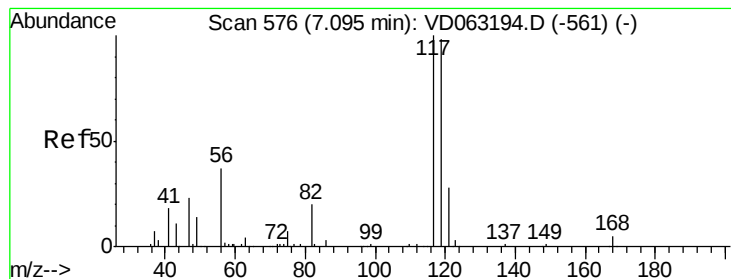
110 12.5 16.1 48.2#

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





#38

Carbon Tetrachloride

Concen: 4.474 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063202.D

Acq: 29 Jul 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

DRUM-COMP-OSRE

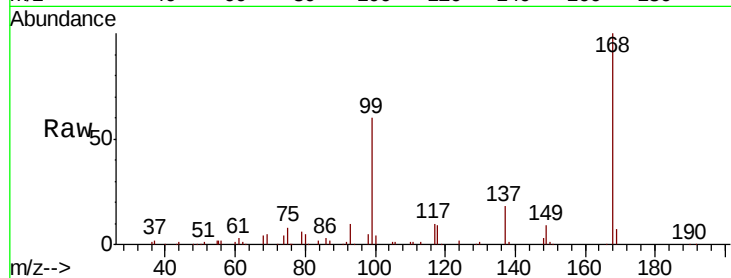
Tot Ion:117 Resp: 55441

Ion Ratio Lower Upper

117 100

119 3.6 78.2 117.2#

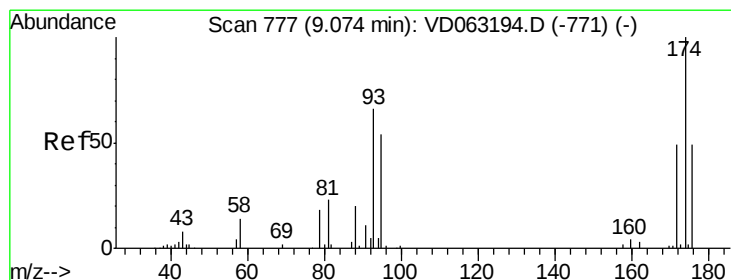
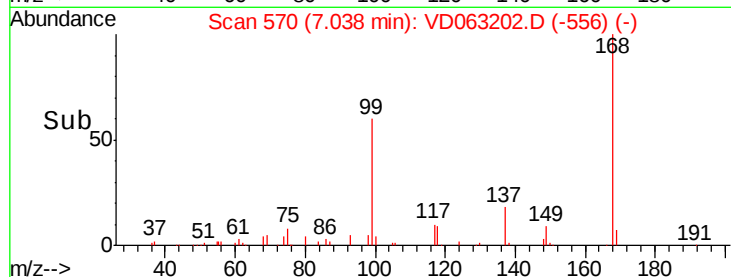
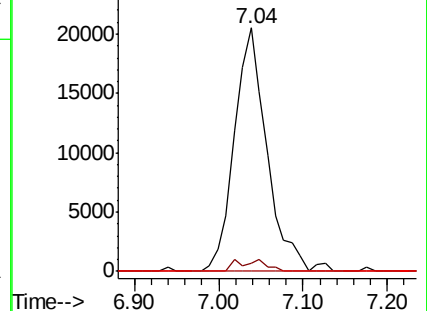
121 0.0 22.1 33.1#



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



#49

1,4-Dioxane

Concen: 5.577 ug/l

RT: 8.71 min Scan# 740

Delta R.T. -0.36 min

Lab File: VD063202.D

Acq: 29 Jul 2019 16:40

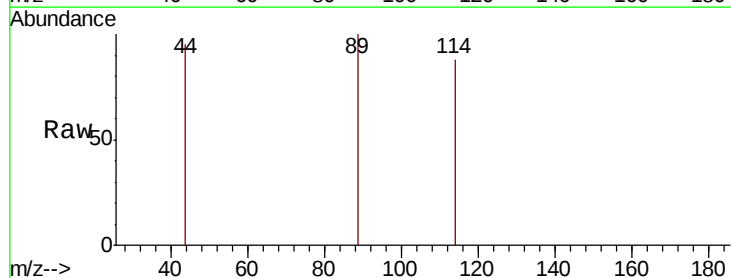
Tgt Ion: 88 Resp: 251

Ion Ratio Lower Upper

88 100

43 0.0 30.7 46.1#

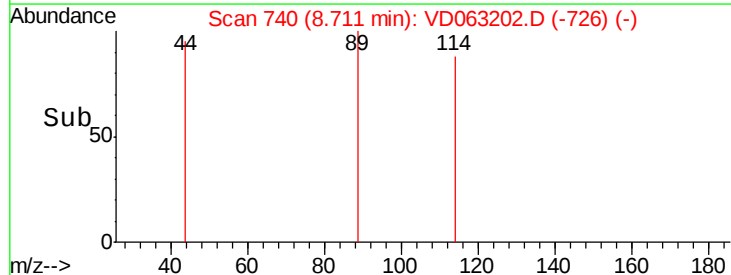
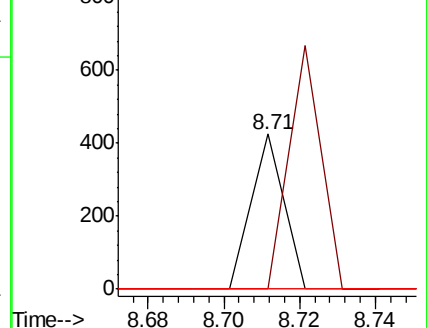
58 0.0 56.5 84.7#

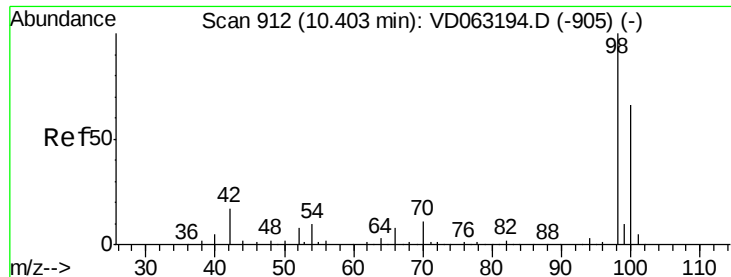


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

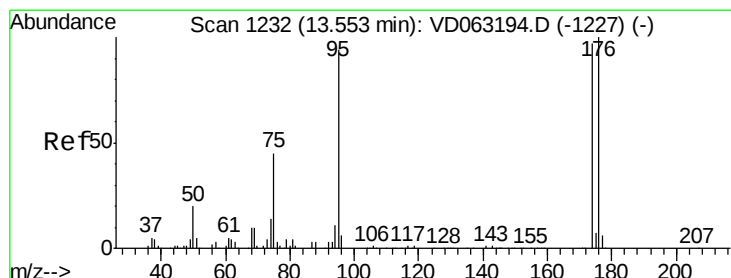
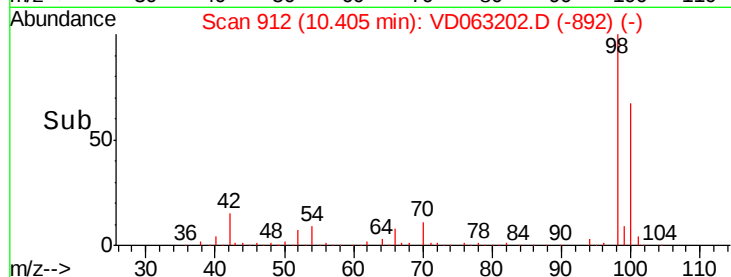
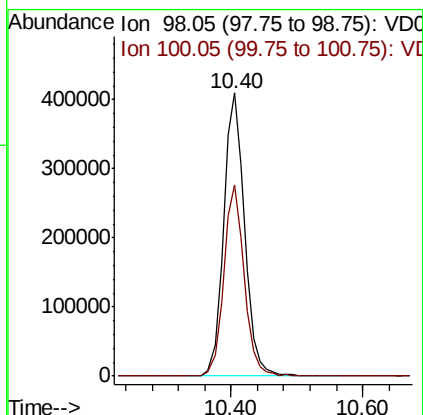
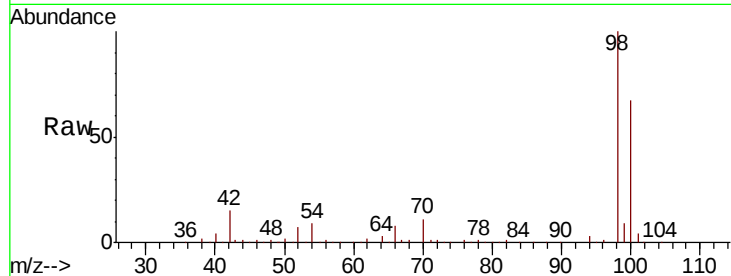




#50
Toluene-d8
Concen: 52.750 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063202.D
Acq: 29 Jul 2019 16:40

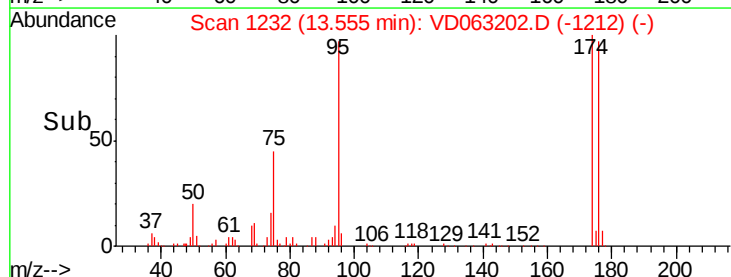
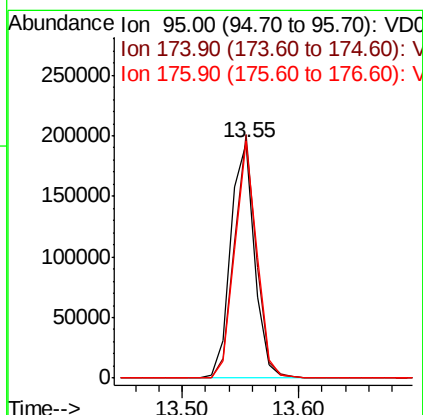
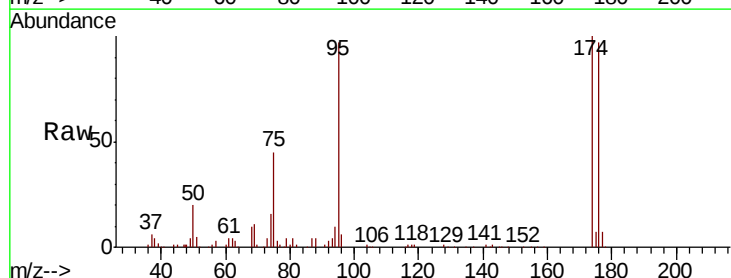
Instrument :
MSVOA_D
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DRUM-COMP-OSRE

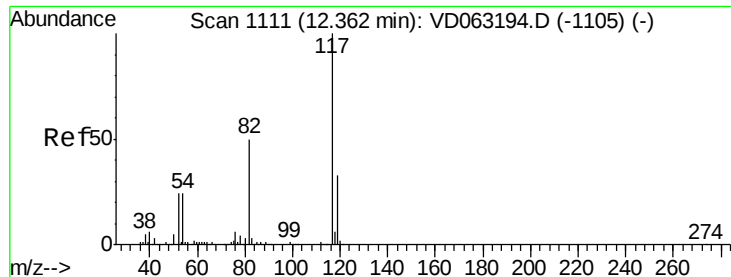
Tot Ion: 98 Resp: 909164
Ion Ratio Lower Upper
98 100
100 67.5 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 35.121 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063202.D
Acq: 29 Jul 2019 16:40

Tgt Ion: 95 Resp: 275843
Ion Ratio Lower Upper
95 100
174 103.5 0.0 205.4
176 100.9 0.0 211.8

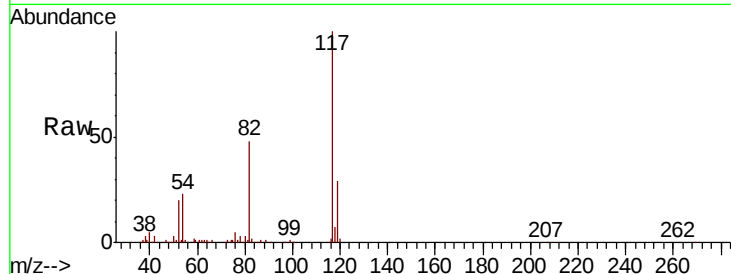




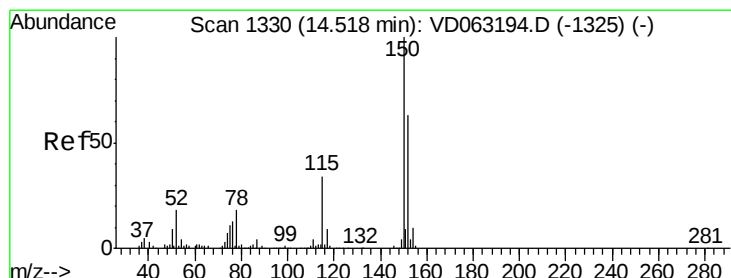
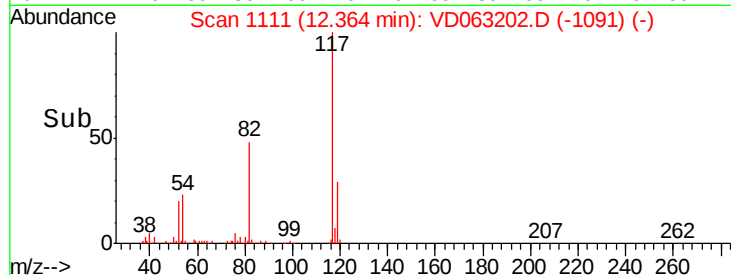
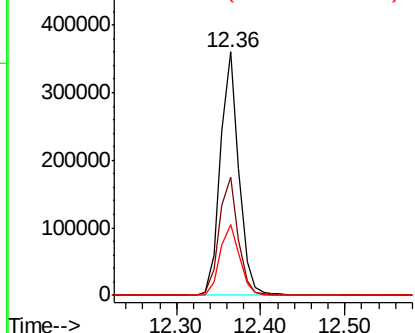
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063202.D
Acq: 29 Jul 2019 16:40

Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-OSRE

Tot Ion:117 Resp: 548211
Ion Ratio Lower Upper
117 100
82 48.4 40.1 60.1
119 29.1 26.5 39.7

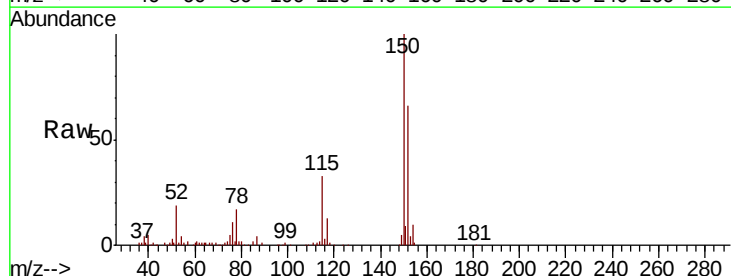


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

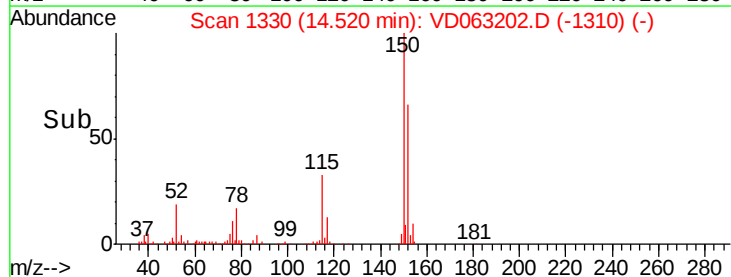
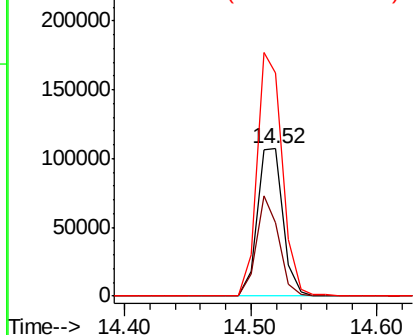


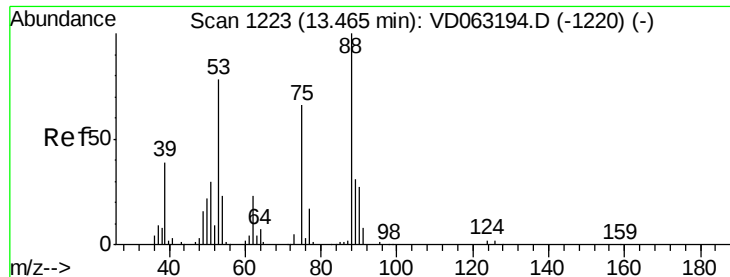
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063202.D
Acq: 29 Jul 2019 16:40

Tgt Ion:152 Resp: 152684
Ion Ratio Lower Upper
152 100
115 49.7 27.5 82.4
150 151.0 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





#81

trans-1,4-Dichloro-2-butene

Concen: 252.597 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063202.D

Acq: 29 Jul 2019 16:40

Instrument :

MSVOA_D

ClientSampleId :

DRUM-COMP-OSRE

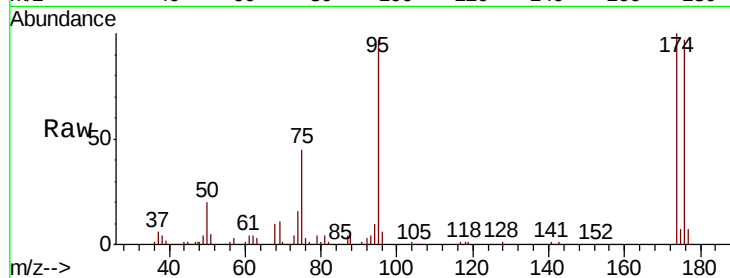
Tot Ion: 75 Resp: 128634

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

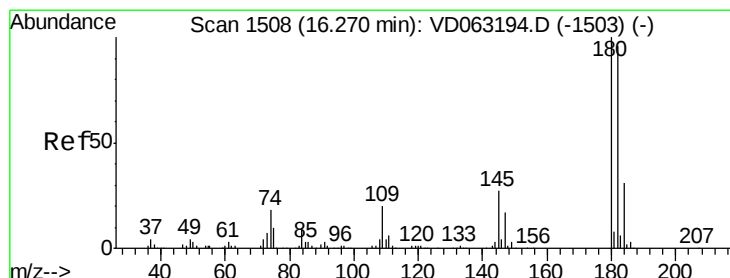
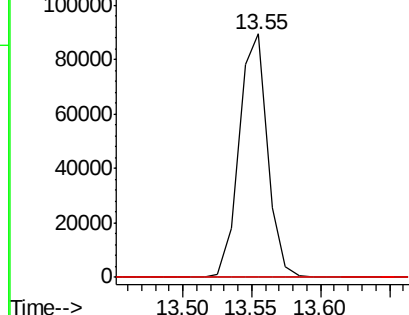
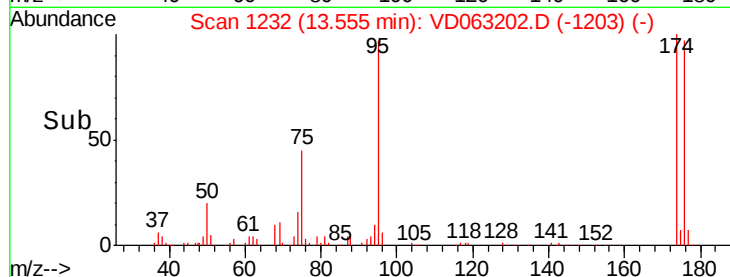
89 0.0 37.4 56.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.651 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063202.D

Acq: 29 Jul 2019 16:40

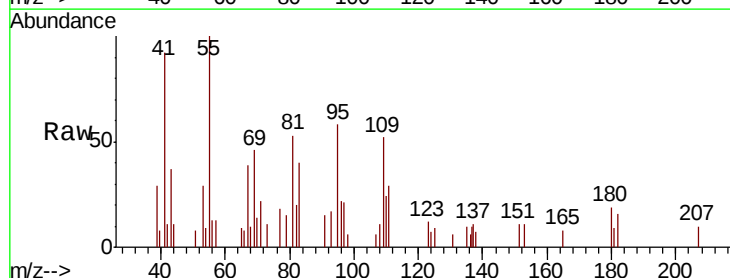
Tgt Ion:180 Resp: 4358

Ion Ratio Lower Upper

180 100

182 82.9 48.3 144.9

145 0.0 13.6 40.7#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

