

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063425.D
 Acq On : 7 Aug 2019 17:51
 Operator : JC/SY
 Sample : K4219-05RE
 Misc : 6.29g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-239-217-225-230RE

Quant Time: Aug 08 08:06:56 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	906554	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1235650	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1015367	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	504753	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	468152	46.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.08%	
35) Dibromofluoromethane	6.93	113	500610	47.45	ug/l	0.02
Spiked Amount 50.000			Recovery	=	94.90%	
50) Toluene-d8	10.41	98	985195	41.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	83.46%	
62) 4-Bromofluorobenzene	13.55	95	450452	41.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.74%	

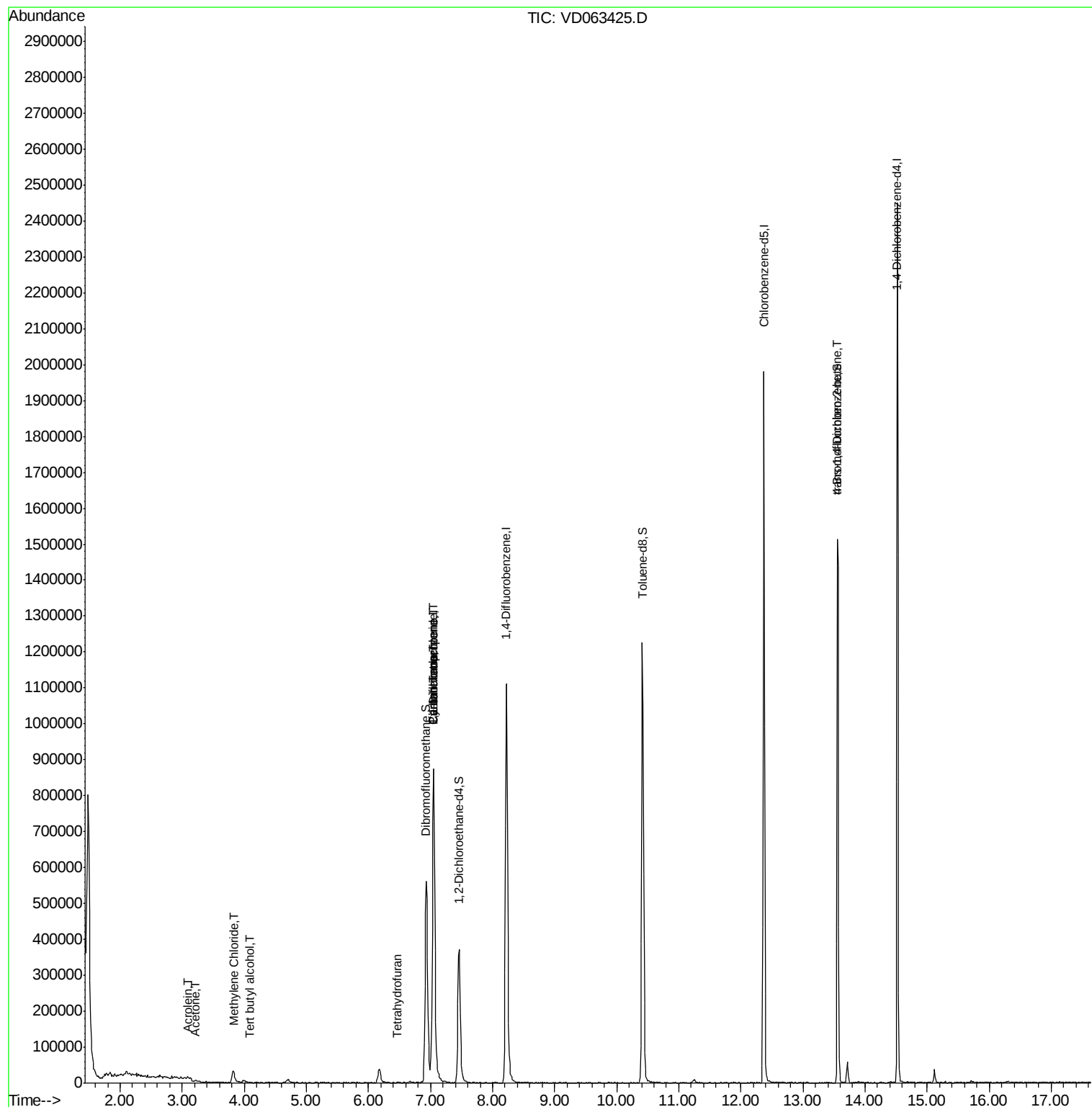
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	501	1.135	ug/l #	69
13) Acrolein	3.10	56	472	1.111	ug/l #	15
16) Acetone	3.22	43	10782	5.501	ug/l #	88
20) Methylene Chloride	3.82	84	20894	2.637	ug/l	94
29) Tetrahydrofuran	6.47	42	1465	1.573	ug/l #	33
31) Cyclohexane	7.05	56	18701	2.087	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	67748	6.008	ug/l #	52
38) Carbon Tetrachloride	7.05	117	91886	5.412	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	210030	124.758	ug/l #	3

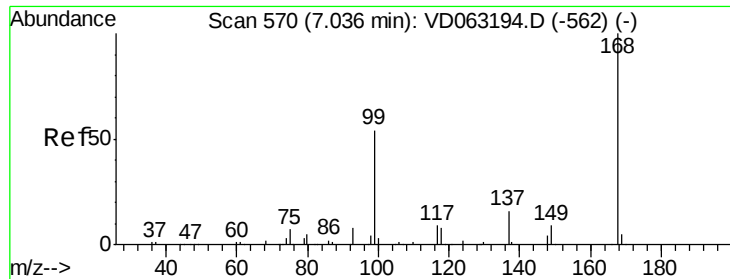
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063425.D

Acq: 7 Aug 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

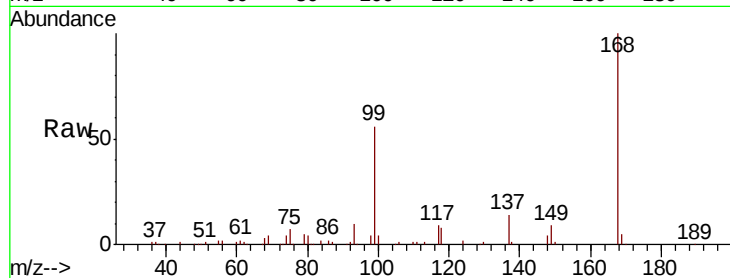
VNJ-239-217-225-230RE

Tgt Ion:168 Resp: 906554

Ion Ratio Lower Upper

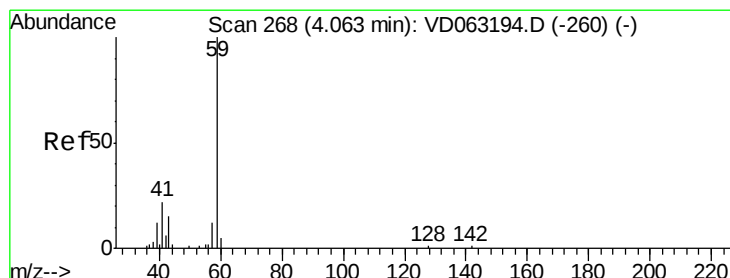
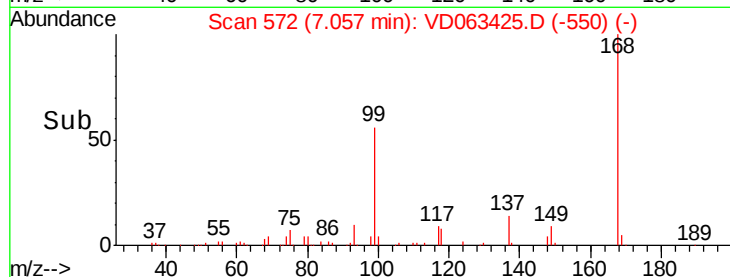
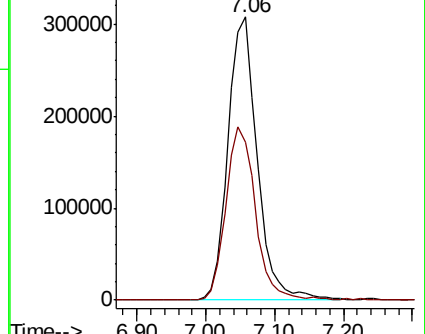
168 100

99 55.8 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: 1.135 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.02 min

Lab File: VD063425.D

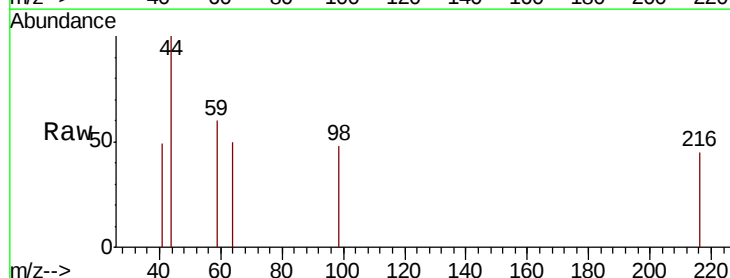
Acq: 7 Aug 2019 17:51

Tgt Ion: 59 Resp: 501

Ion Ratio Lower Upper

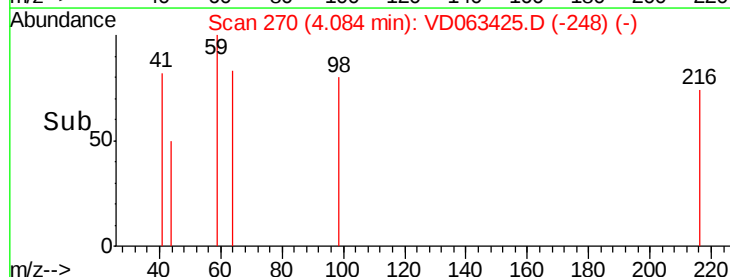
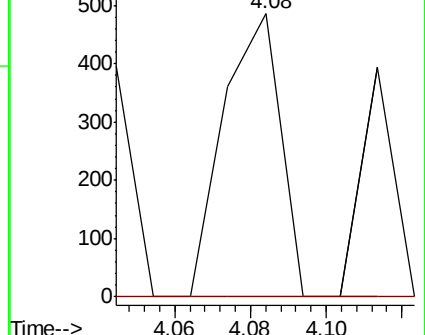
59 100

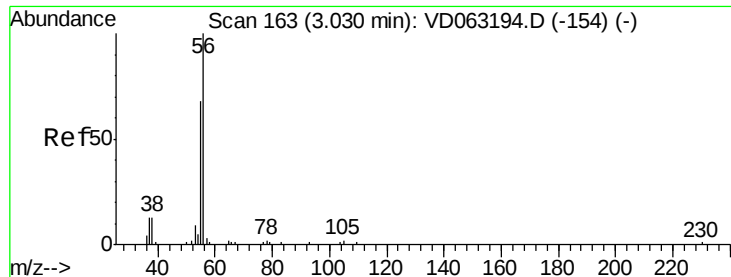
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.111 ug/l

RT: 3.10 min Scan# 170

Delta R.T. 0.07 min

Lab File: VD063425.D

Acq: 7 Aug 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

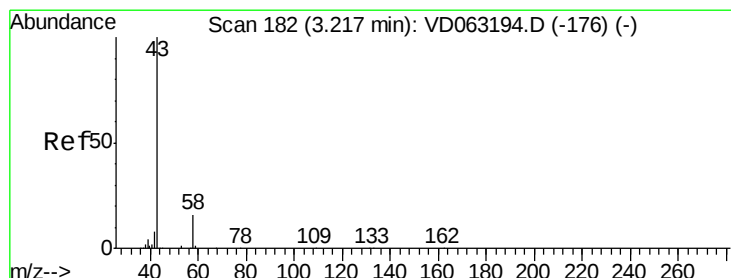
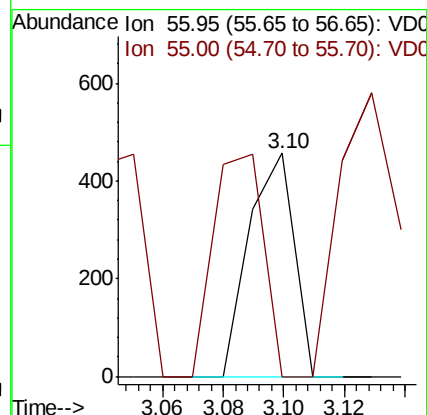
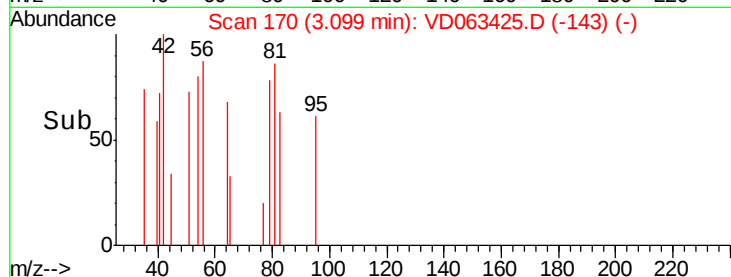
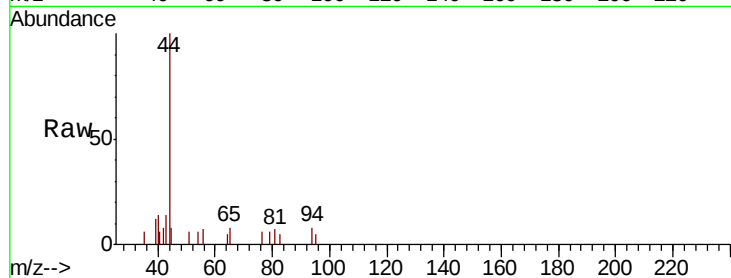
VNJ-239-217-225-230RE

Tgt Ion: 56 Resp: 472

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 5.501 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063425.D

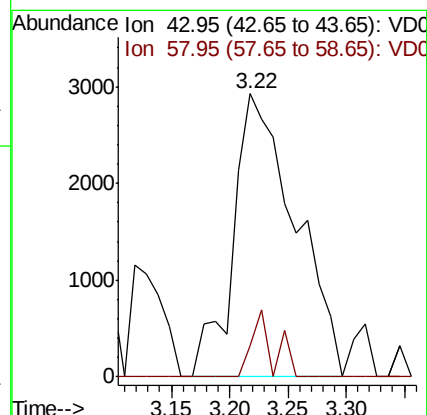
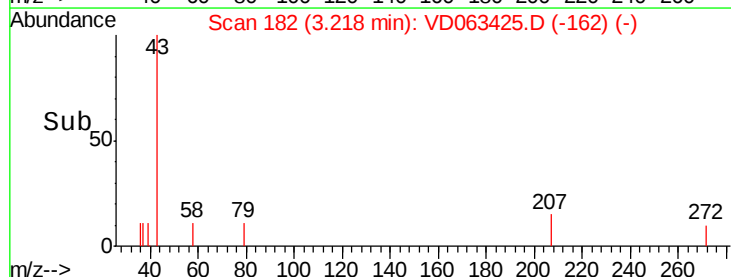
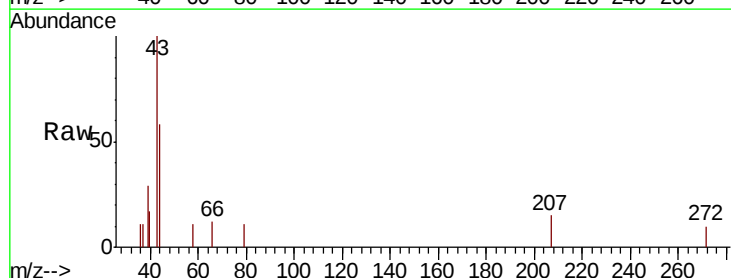
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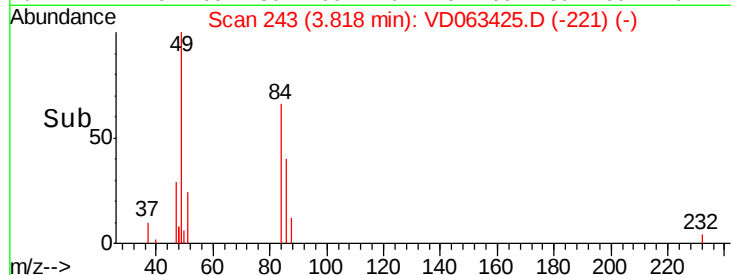
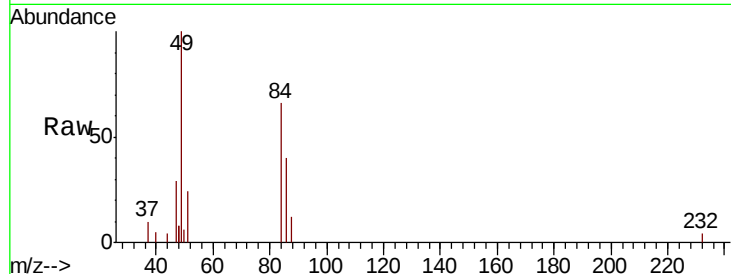
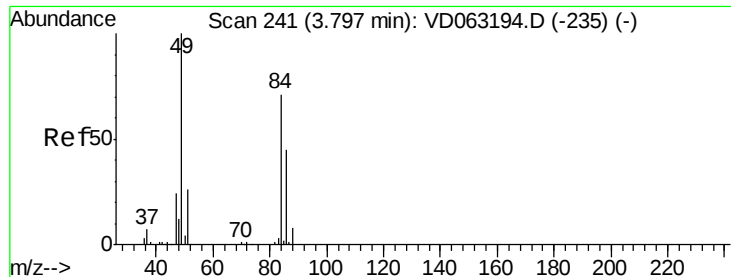
Tgt Ion: 43 Resp: 10782

Ion Ratio Lower Upper

43 100

58 11.2 13.0 19.4#

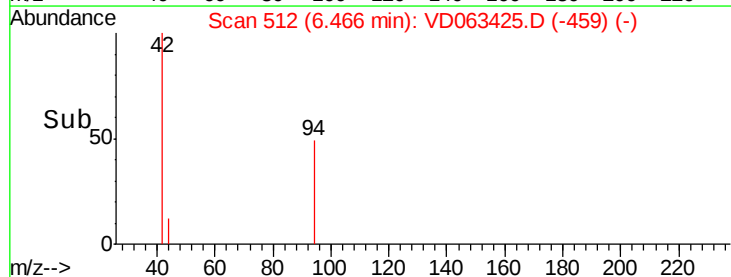
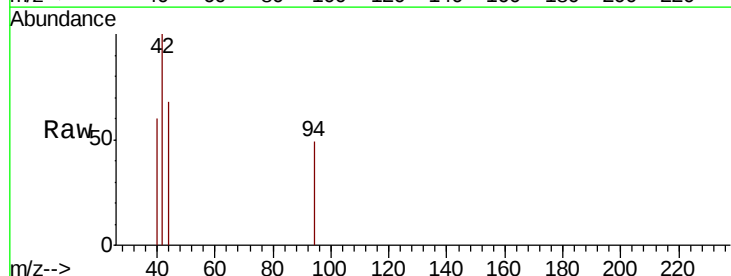
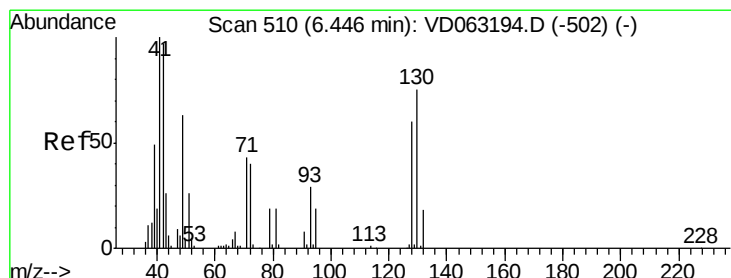
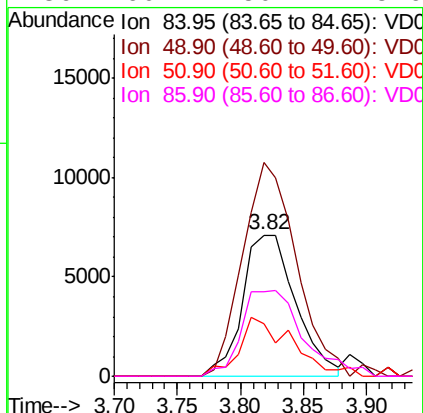




#20
Methylene Chloride
Concen: 2.637 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

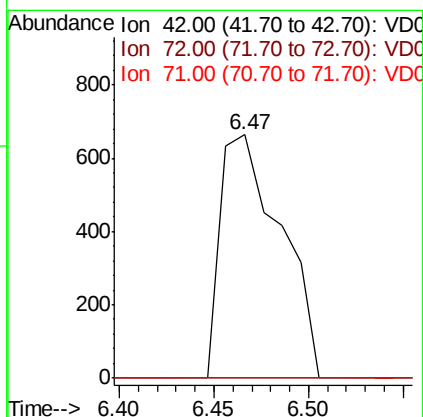
Instrument :
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VNJ-239-217-225-230RE

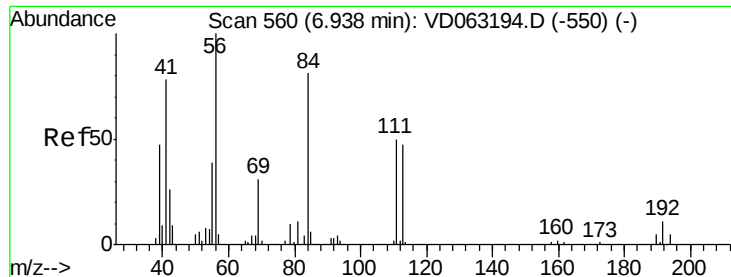
Tgt Ion: 84 Resp: 20894
Ion Ratio Lower Upper
84 100
49 151.6 112.5 168.7
51 36.9 29.6 44.4
86 60.2 50.4 75.6



#29
Tetrahydrofuran
Concen: 1.573 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

Tgt Ion: 42 Resp: 1465
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 0.0 35.7 53.5#

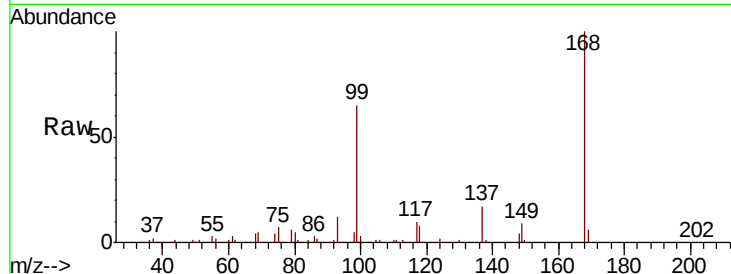




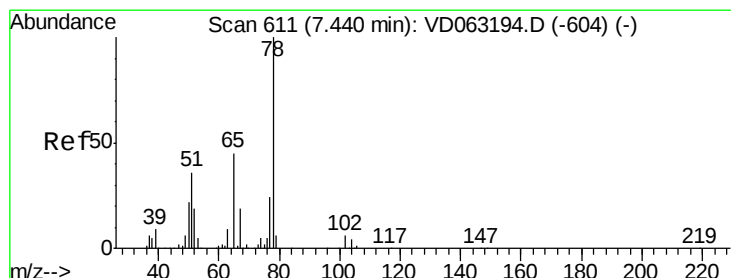
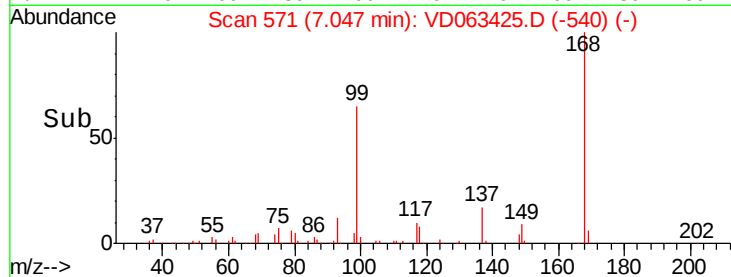
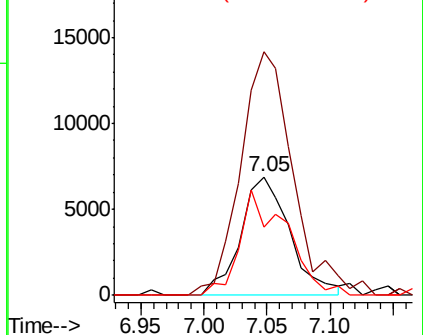
#31
Cyclohexane
Concen: 2.087 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

Instrument :
MSVOA_D
ClientSampleId :
VNJ-239-217-225-230RE

Tgt Ion: 56 Resp: 18701
Ion Ratio Lower Upper
56 100
69 205.3 24.5 36.7#
84 57.4 64.9 97.3#

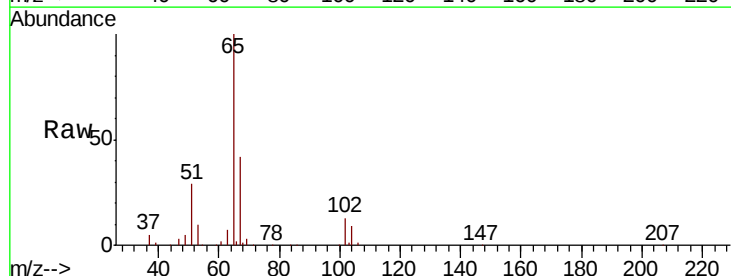


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

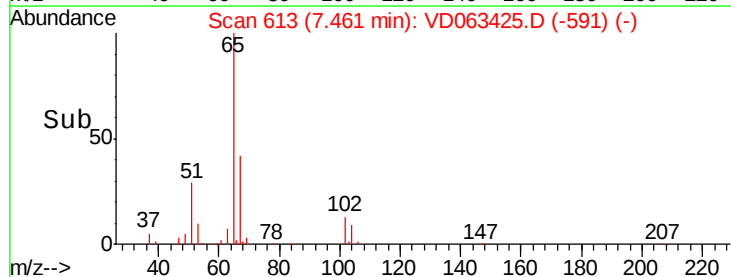
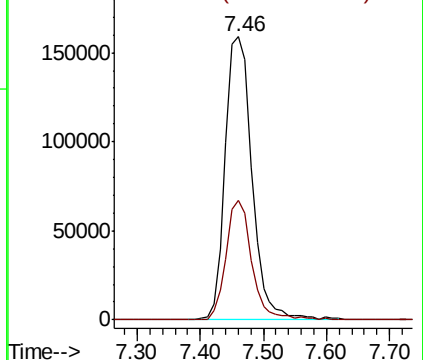


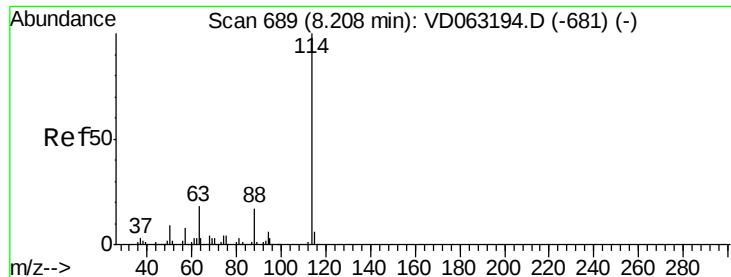
#33
1,2-Dichloroethane-d4
Concen: 46.540 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

Tgt Ion: 65 Resp: 468152
Ion Ratio Lower Upper
65 100
67 42.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

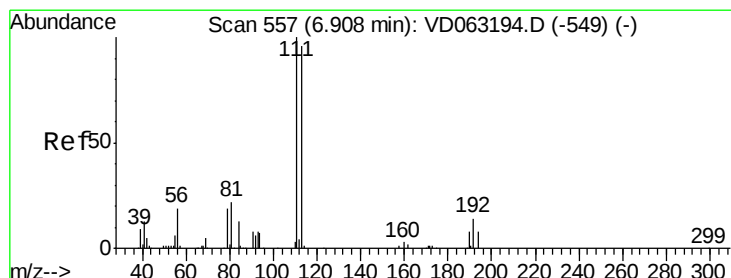
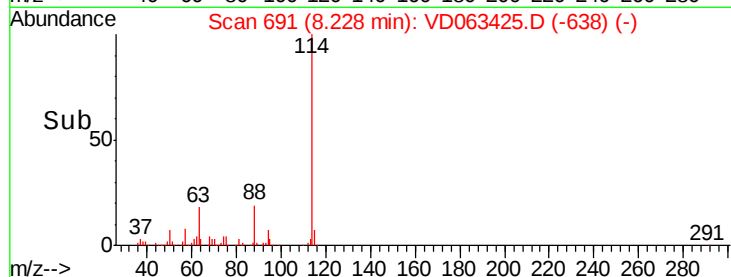
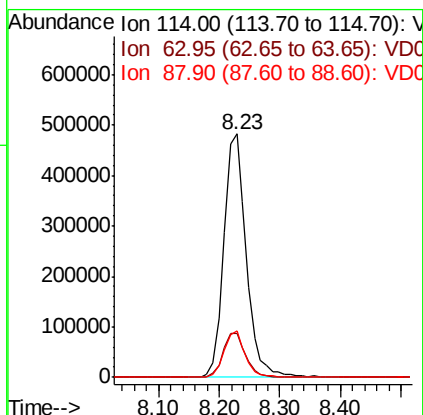
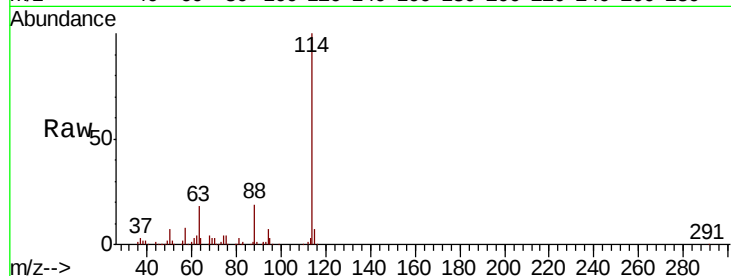




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063425.D
 Acq: 7 Aug 2019 17:51

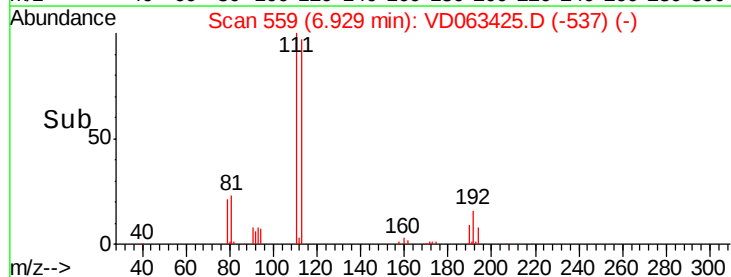
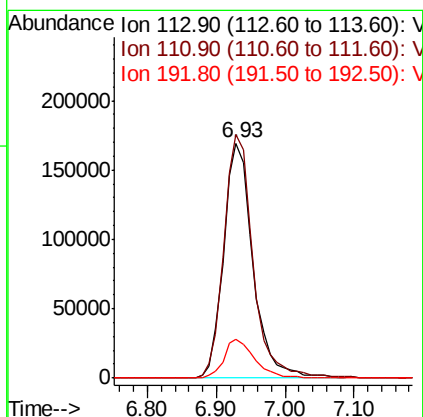
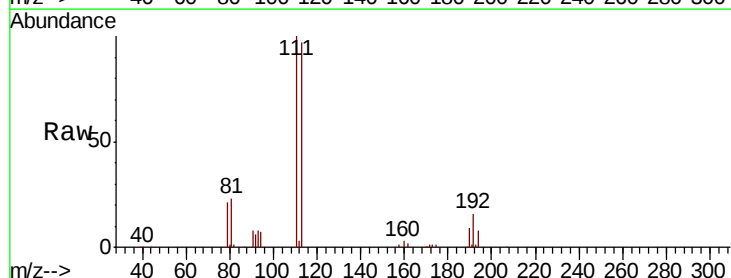
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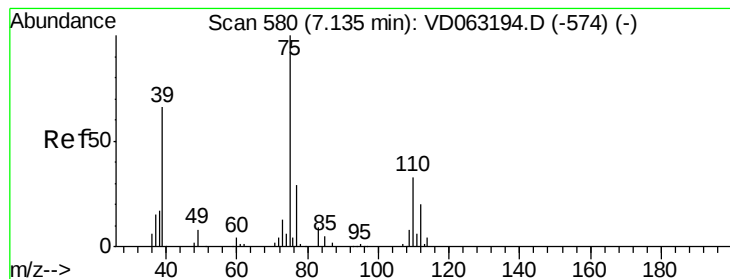
Tgt Ion:114 Resp: 1235650
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 18.9 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 47.452 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063425.D
 Acq: 7 Aug 2019 17:51

Tgt Ion:113 Resp: 500610
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.2 124.8
 192 16.8 11.8 17.8





#36

1,1-Dichloropropene

Concen: 6.008 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD063425.D

Acq: 7 Aug 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

VNJ-239-217-225-230RE

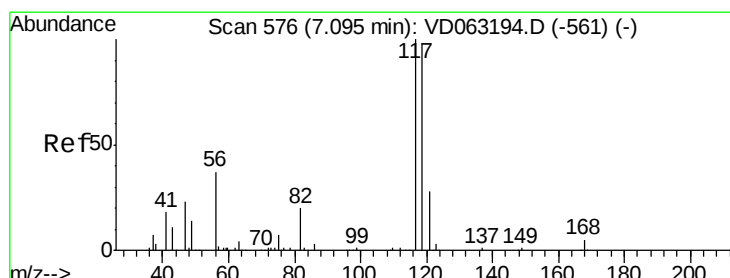
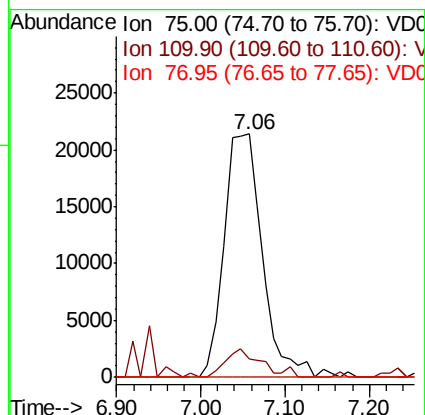
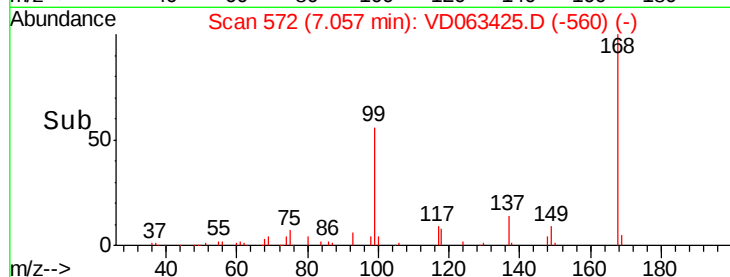
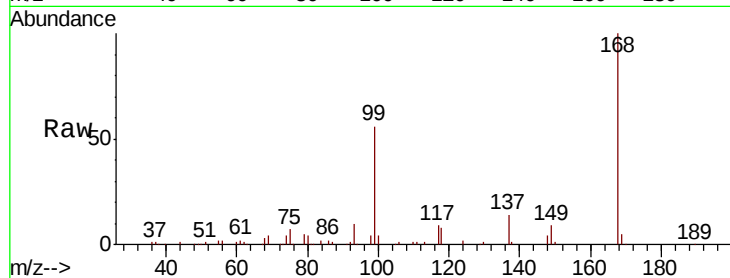
Tgt Ion: 75 Resp: 67748

Ion Ratio Lower Upper

75 100

110 7.6 16.1 48.2#

77 0.0 22.7 34.1#



#38

Carbon Tetrachloride

Concen: 5.412 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063425.D

Acq: 7 Aug 2019 17:51

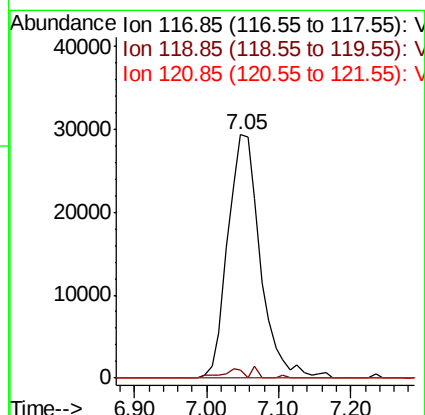
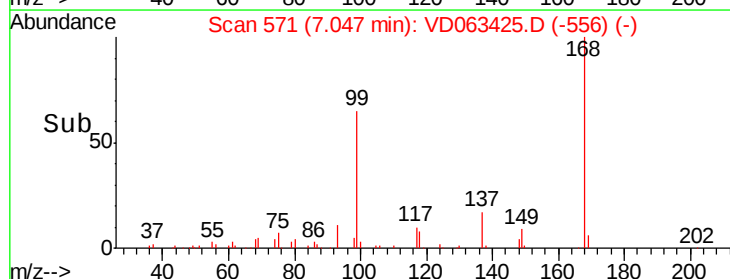
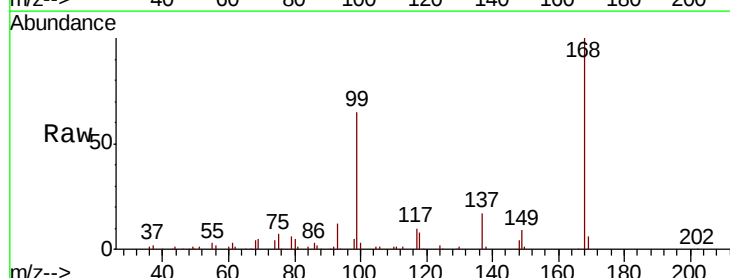
Tgt Ion: 117 Resp: 91886

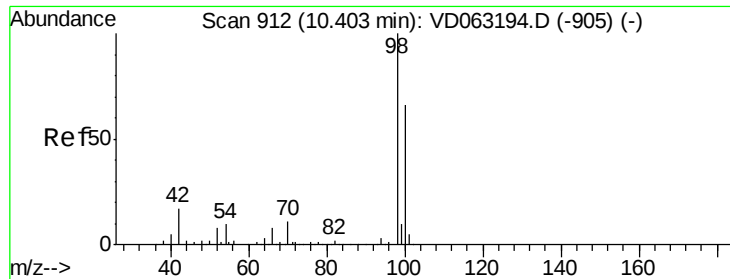
Ion Ratio Lower Upper

117 100

119 3.6 78.2 117.2#

121 0.0 22.1 33.1#

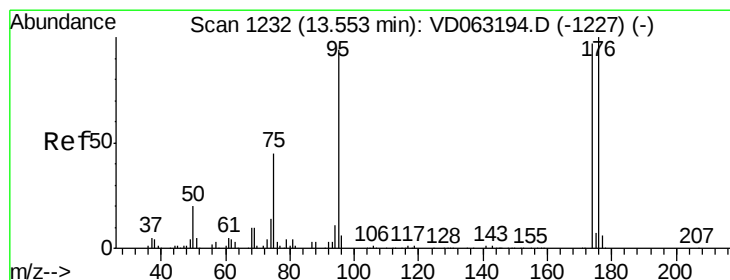
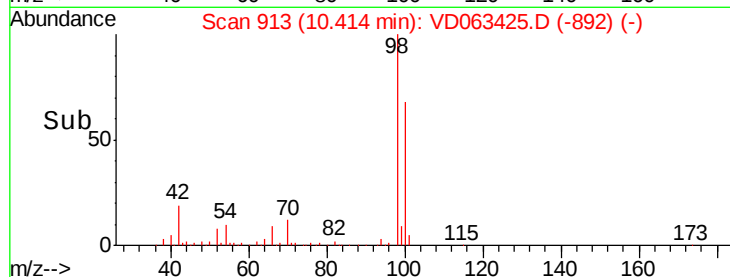
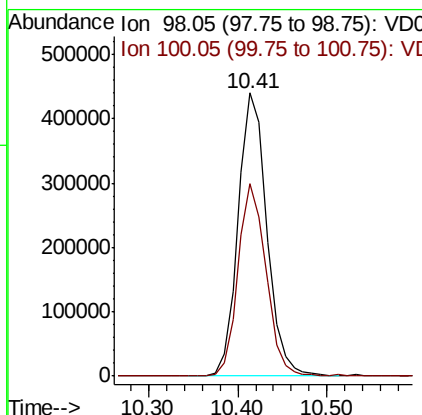
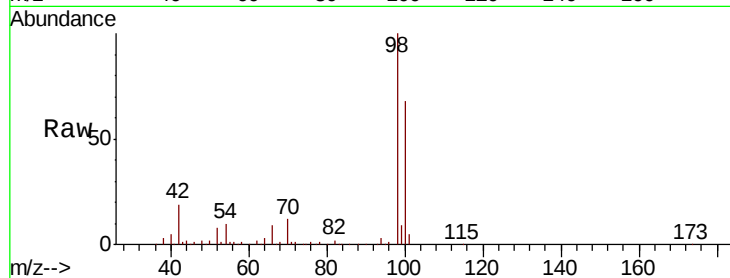




#50
Toluene-d8
Concen: 41.727 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

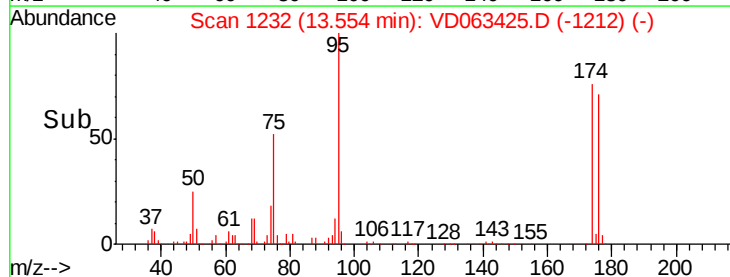
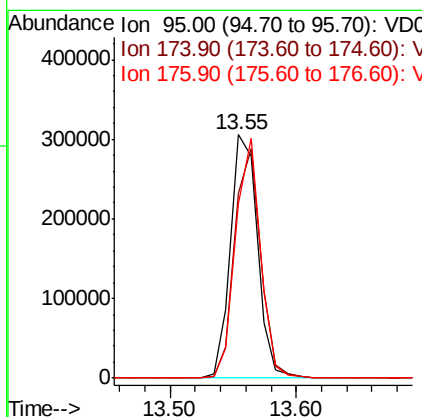
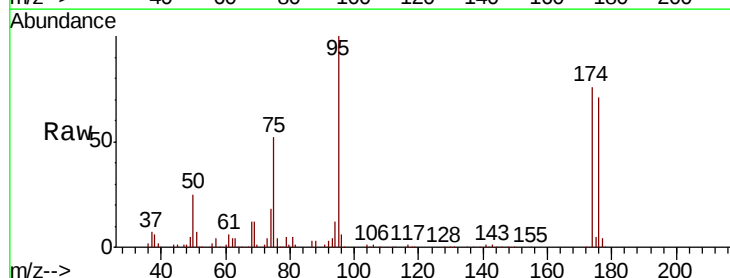
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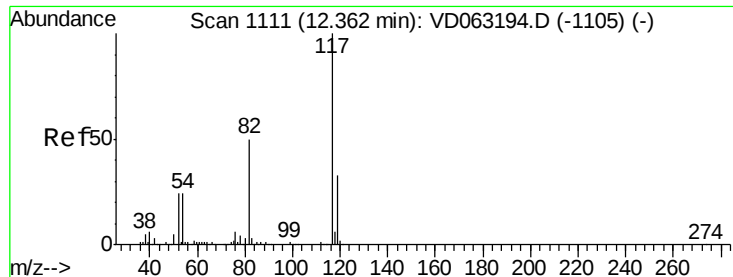
Tgt Ion: 98 Resp: 985195
Ion Ratio Lower Upper
98 100
100 67.8 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 41.867 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

Tgt Ion: 95 Resp: 450452
Ion Ratio Lower Upper
95 100
174 75.9 0.0 205.4
176 71.5 0.0 211.8

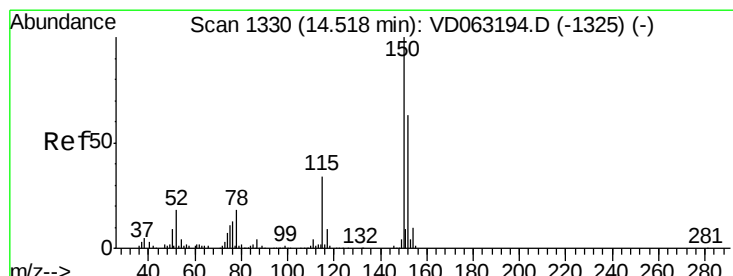
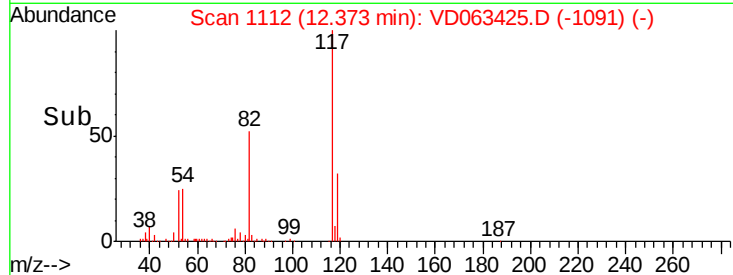
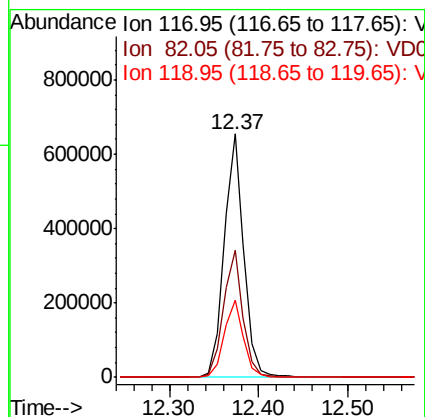
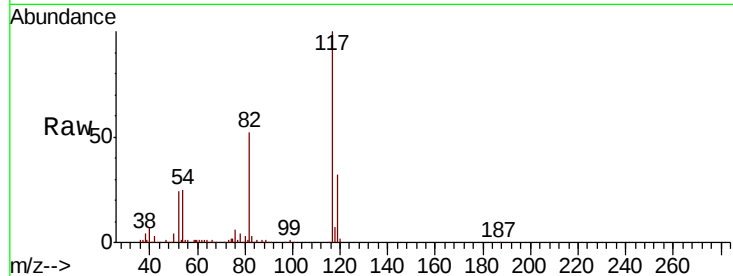




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

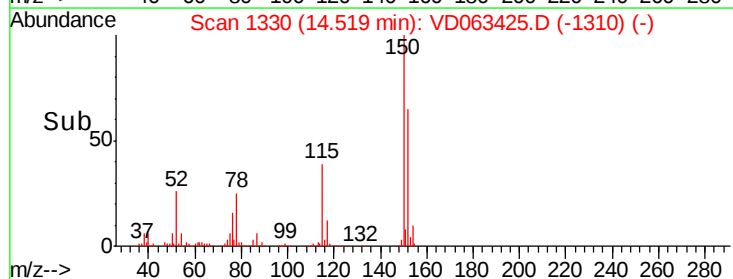
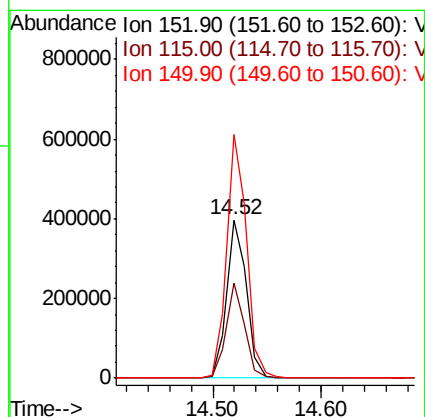
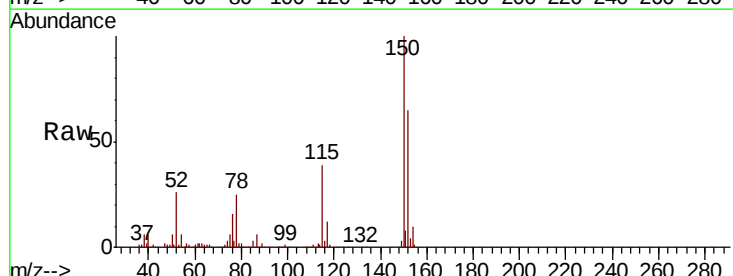
Instrument :
MSVOA_D
ClientSampleId :
VNJ-239-217-225-230RE

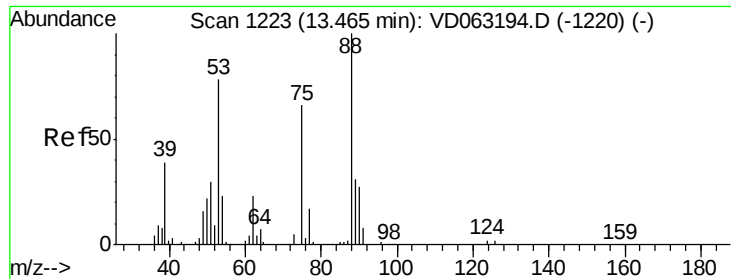
Tgt Ion:117 Resp: 1015367
Ion Ratio Lower Upper
117 100
82 52.0 40.1 60.1
119 31.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063425.D
Acq: 7 Aug 2019 17:51

Tgt Ion:152 Resp: 504753
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.4
150 153.7 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 124.758 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063425.D

Acq: 7 Aug 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

VNJ-239-217-225-230RE

Tgt Ion: 75 Resp: 210030

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

