

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063747.D
 Acq On : 22 Aug 2019 21:33
 Operator : JC/SY
 Sample : K4491-01
 Misc : 6.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1V

Quant Time: Aug 23 07:01:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1036587	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1459525	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1135947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	541694	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	642992	58.03	ug/l	-0.02
Spiked Amount			Recovery	=	116.06%	
35) Dibromofluoromethane	6.92	113	729977	59.39	ug/l	-0.02
Spiked Amount			Recovery	=	118.78%	
50) Toluene-d8	10.41	98	1548261	57.29	ug/l	0.00
Spiked Amount			Recovery	=	114.58%	
62) 4-Bromofluorobenzene	13.55	95	529385	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	

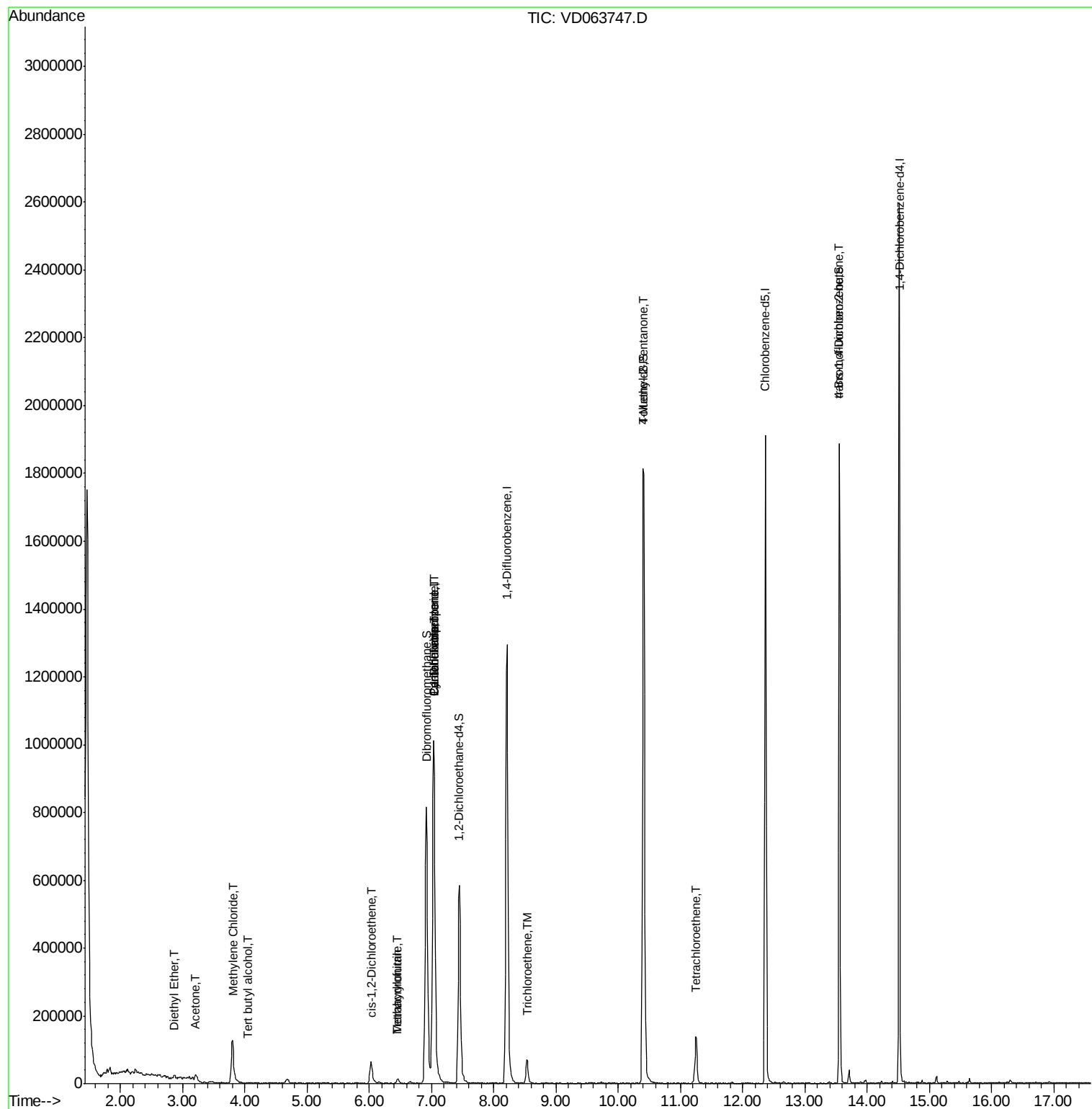
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	3623	1.345	ug/l	81
11) Tert butyl alcohol	4.05	59	3021	6.263	ug/l #	71
16) Acetone	3.22	43	48920	21.719	ug/l	99
20) Methylene Chloride	3.81	84	83798	8.604	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	39568	4.103	ug/l	79
29) Tetrahydrofuran	6.46	42	10160	9.801	ug/l	95
31) Cyclohexane	7.04	56	22328	2.232	ug/l #	25
36) 1,1-Dichloropropene	7.03	75	73929	5.730	ug/l #	48
38) Carbon Tetrachloride	7.04	117	92673	4.766	ug/l #	18
41) Methacrylonitrile	6.46	41	7211	1.059	ug/l #	69
44) Trichloroethene	8.54	130	31257	2.880	ug/l	92
51) 4-Methyl-2-Pentanone	10.40	43	8640	1.744	ug/l #	1
64) Tetrachloroethene	11.26	164	38901	4.436	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.55	75	221707	132.685	ug/l #	1

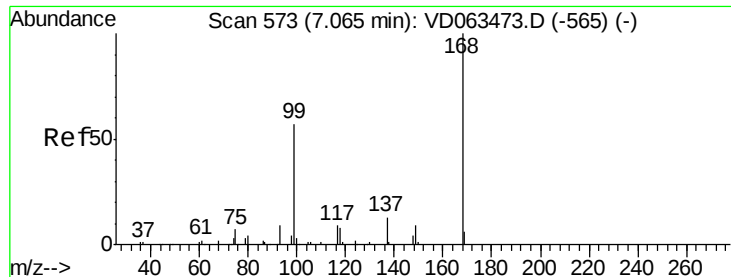
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Instrument :

MSVOA_D

ClientSampleId :

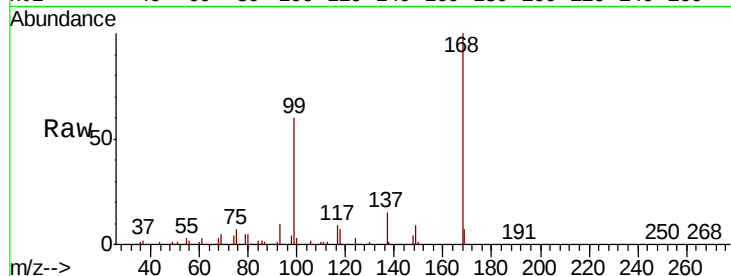
TS-1V

Tgt Ion:168 Resp: 1036587

Ion Ratio Lower Upper

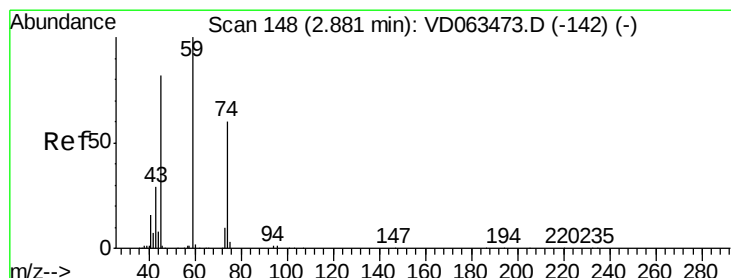
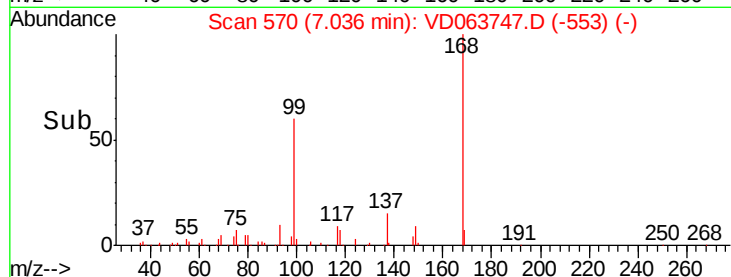
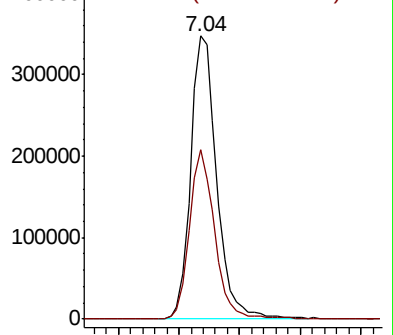
168 100

99 59.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.345 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063747.D

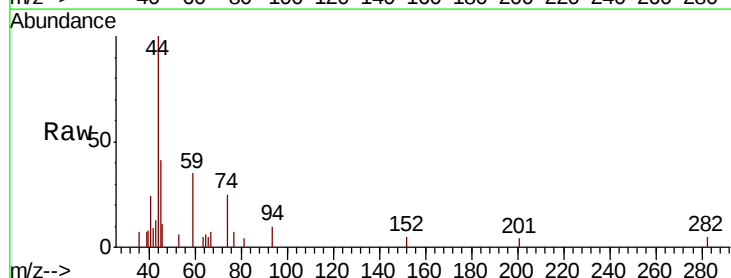
Acq: 22 Aug 2019 21:33

Tgt Ion: 74 Resp: 3623

Ion Ratio Lower Upper

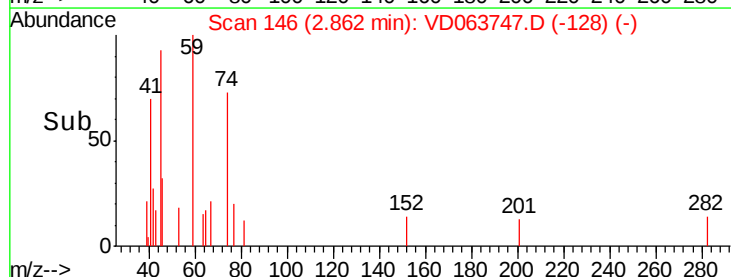
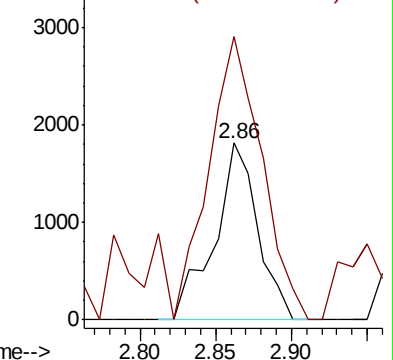
74 100

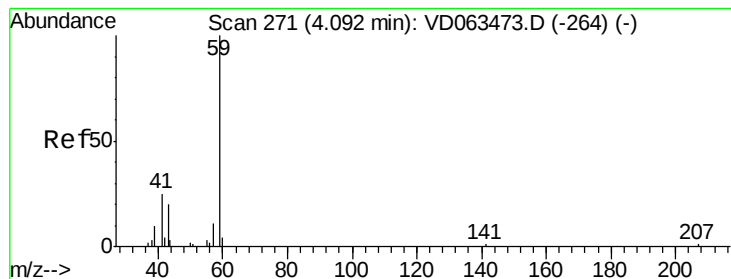
45 159.9 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#11

Tert butyl alcohol

Concen: 6.263 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.04 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Instrument :

MSVOA_D

ClientSampleId :

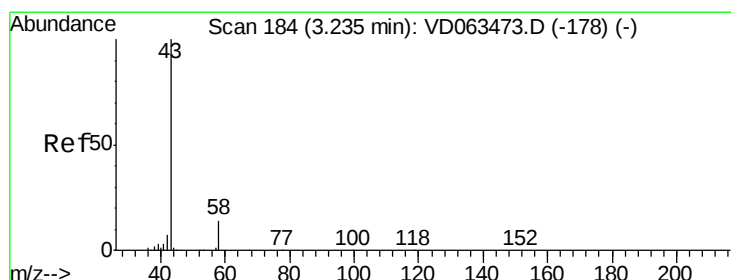
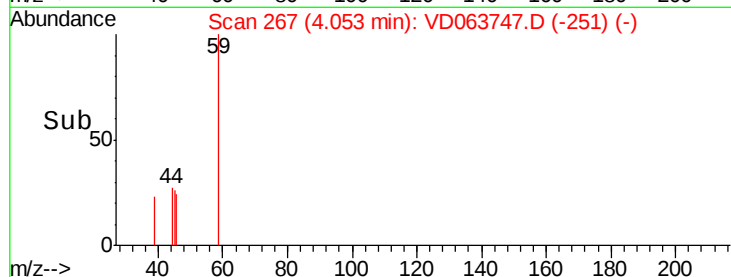
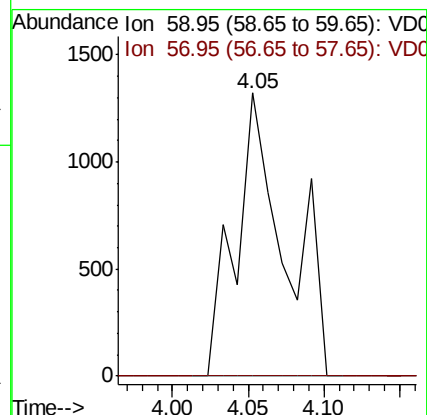
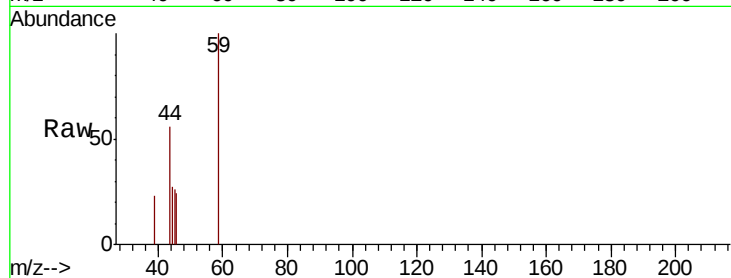
TS-1V

Tgt Ion: 59 Resp: 3021

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 21.719 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063747.D

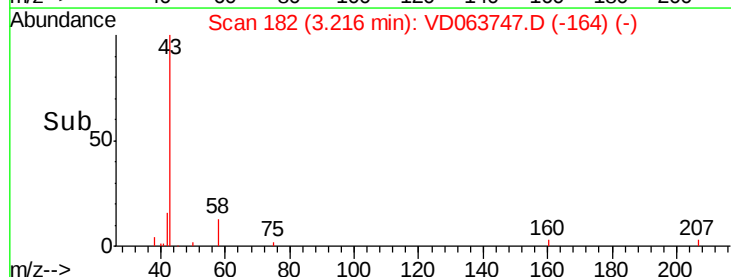
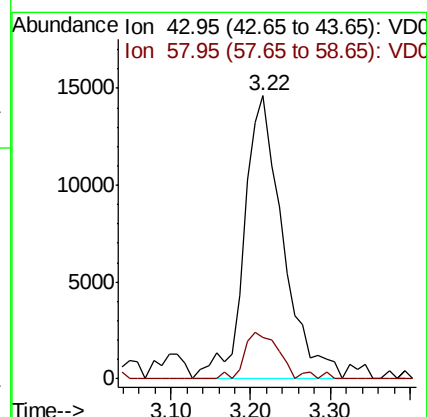
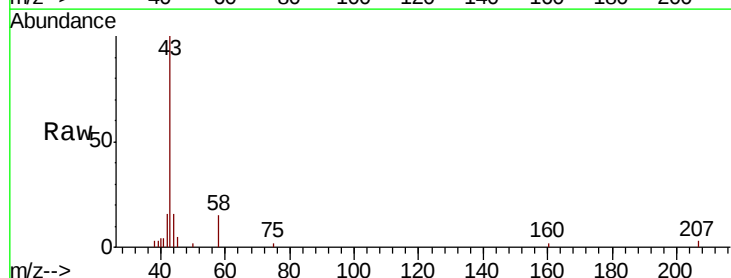
Acq: 22 Aug 2019 21:33

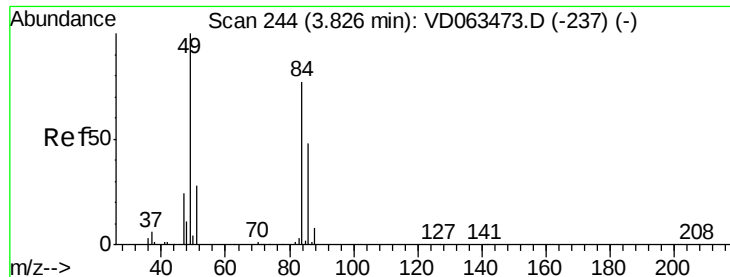
Tgt Ion: 43 Resp: 48920

Ion Ratio Lower Upper

43 100

58 14.7 11.4 17.2

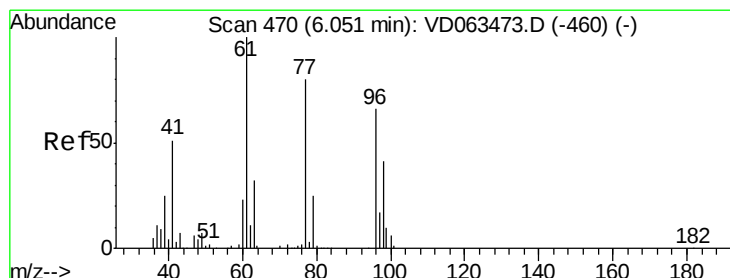
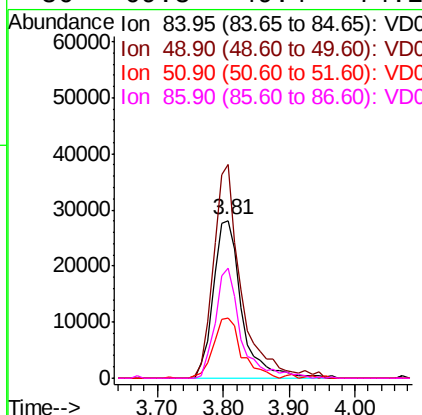
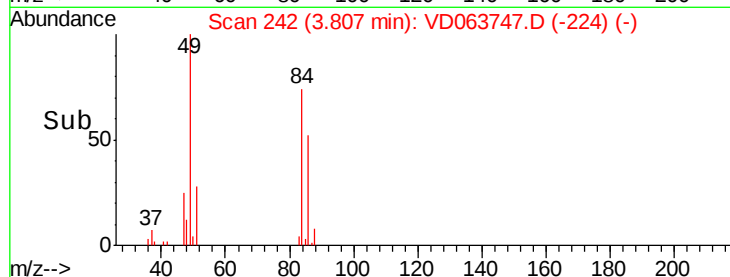
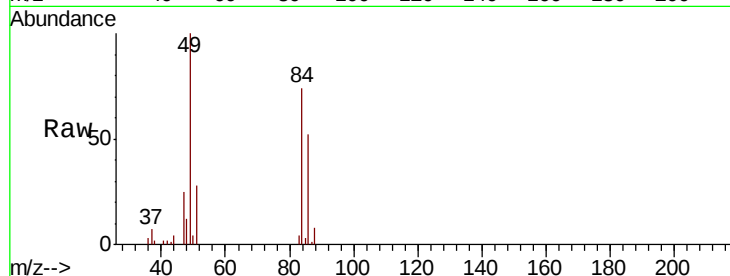




#20
Methylene Chloride
Concen: 8.604 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063747.D
Acq: 22 Aug 2019 21:33

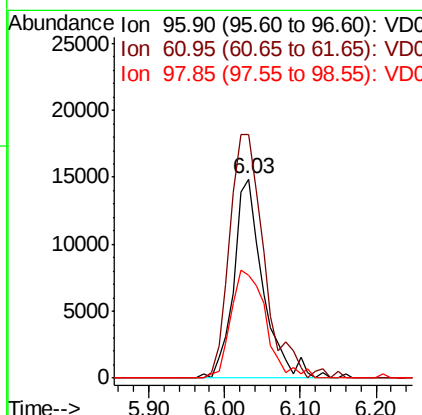
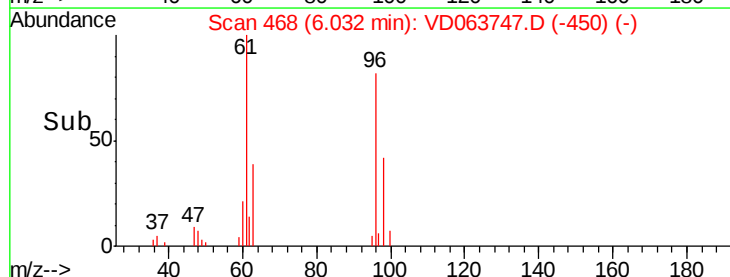
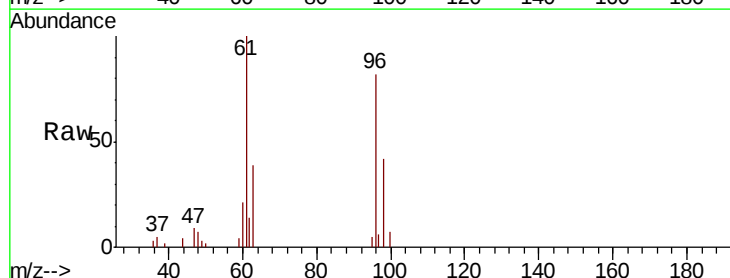
Instrument :
MSVOA_D
ClientSampleID :
TS-1V

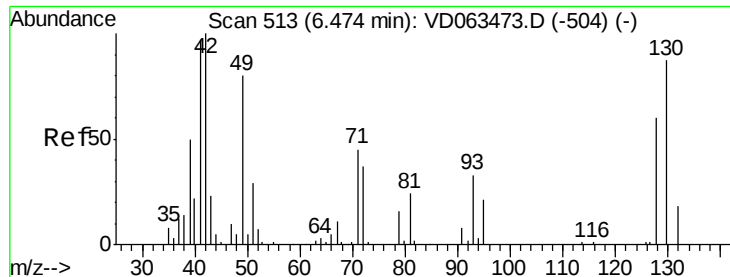
Tgt Ion:	84	Resp:	83798
Ion	Ratio	Lower	Upper
84	100		
49	135.5	103.4	155.2
51	38.0	28.5	42.7
86	69.8	49.4	74.2



#27
cis-1,2-Dichloroethene
Concen: 4.103 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD063747.D
Acq: 22 Aug 2019 21:33

Tgt Ion:	96	Resp:	39568
Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	304.0
98	51.5	0.0	124.8





#29

Tetrahydrofuran

Concen: 9.801 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Instrument :

MSVOA_D

ClientSampleId :

TS-1V

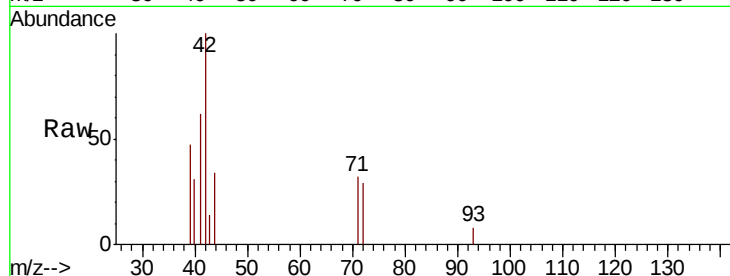
Tgt Ion: 42 Resp: 10160

Ion Ratio Lower Upper

42 100

72 34.2 31.5 47.3

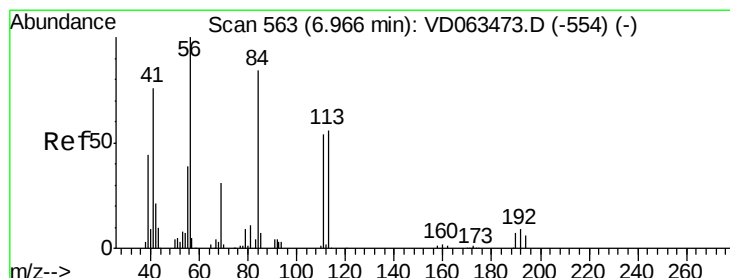
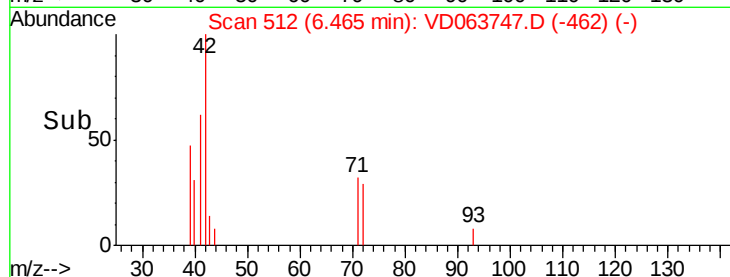
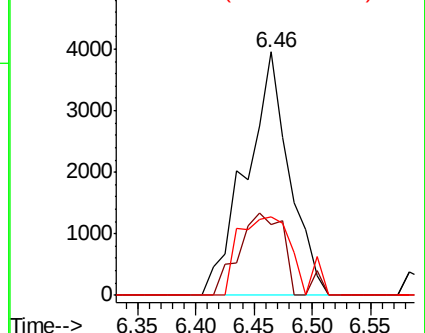
71 41.5 33.8 50.8



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: 2.232 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

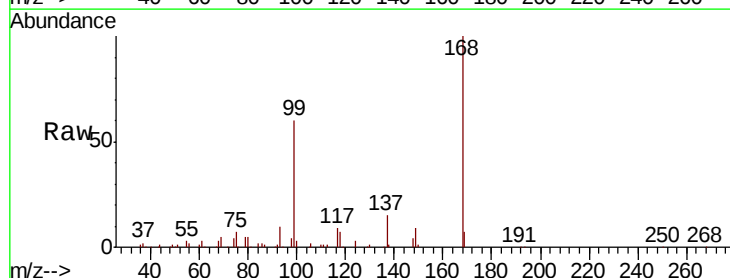
Tgt Ion: 56 Resp: 22328

Ion Ratio Lower Upper

56 100

69 185.6 25.0 37.6#

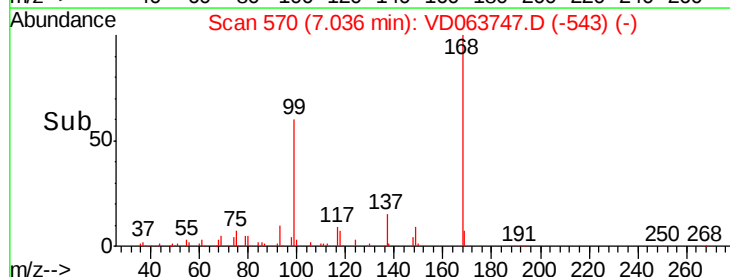
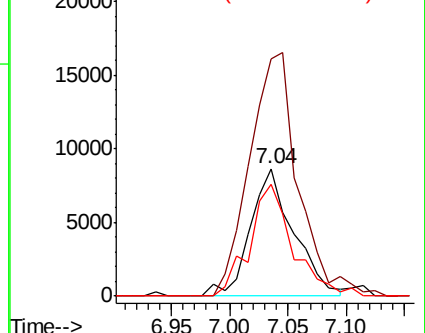
84 87.9 69.7 104.5

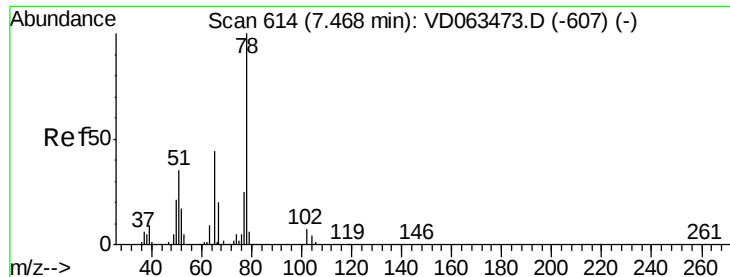


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.030 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Instrument :

MSVOA_D

ClientSampled :

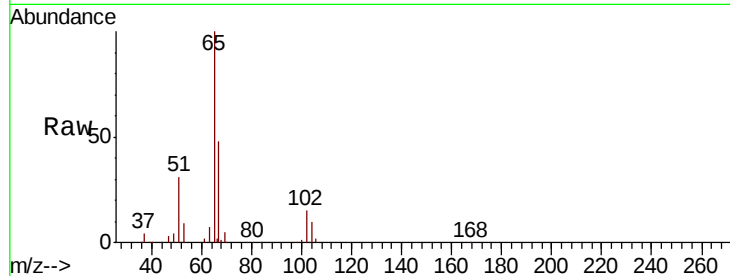
TS-1V

Tgt Ion: 65 Resp: 642992

Ion Ratio Lower Upper

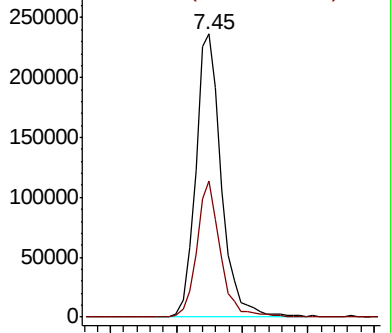
65 100

67 48.3 0.0 89.2

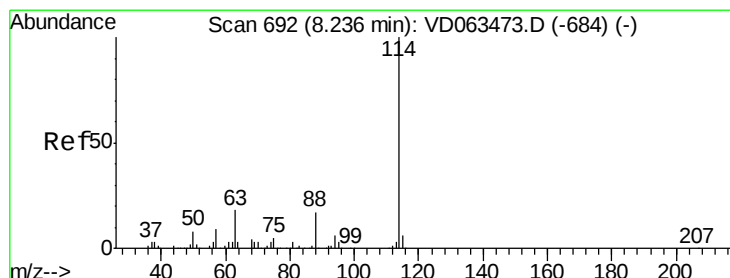
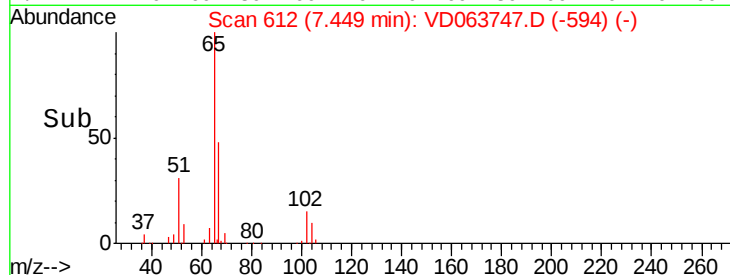


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

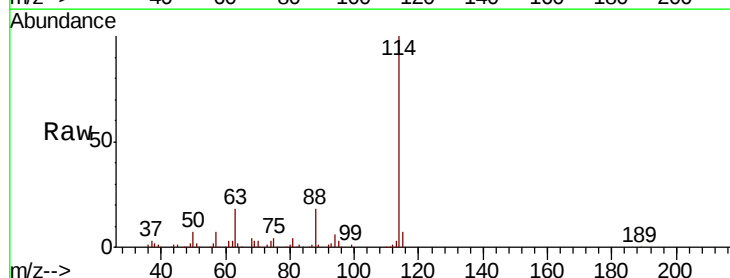
Tgt Ion: 114 Resp: 1459525

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.2

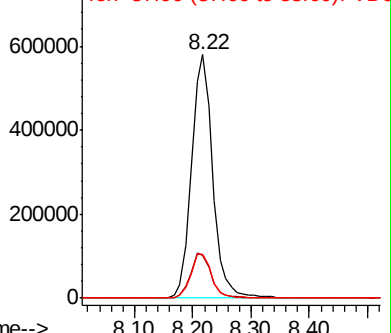
88 17.8 0.0 35.0



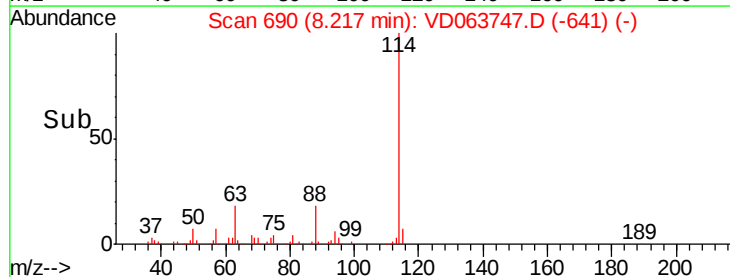
Abundance Ion 114.00 (113.70 to 114.70): VDC

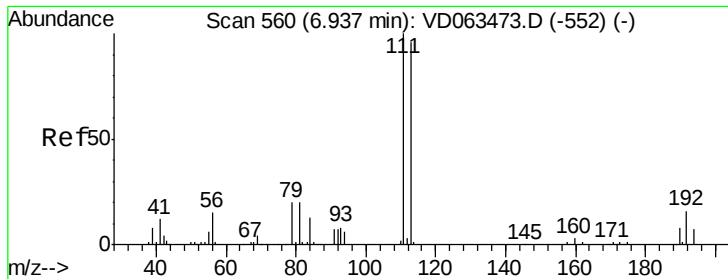
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 59.385 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Instrument :

MSVOA_D

ClientSampleId :

TS-1V

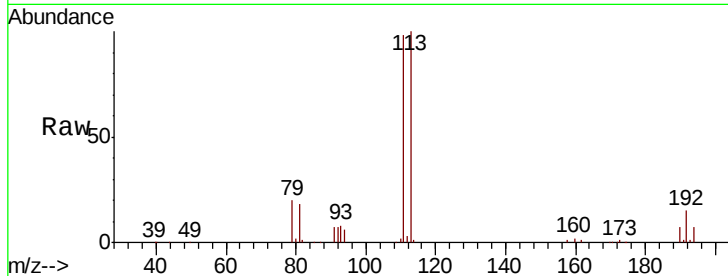
Tgt Ion:113 Resp: 729977

Ion Ratio Lower Upper

113 100

111 98.4 83.1 124.7

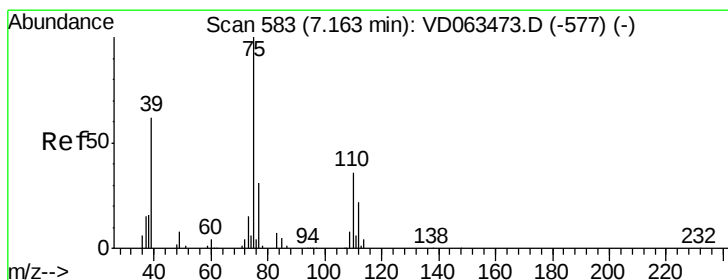
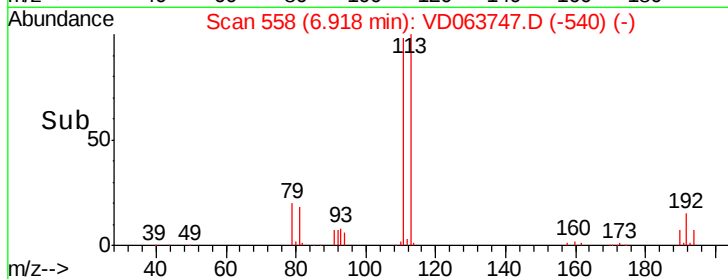
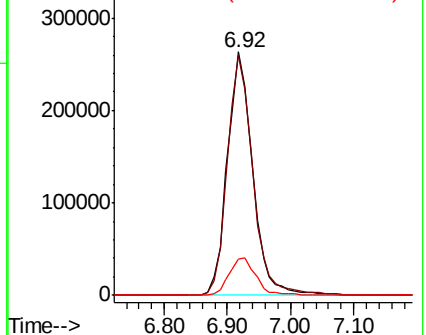
192 14.8 13.1 19.7



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: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

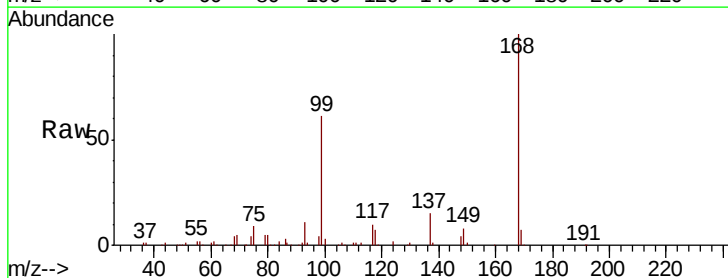
Tgt Ion: 75 Resp: 73929

Ion Ratio Lower Upper

75 100

110 7.1 17.6 52.8#

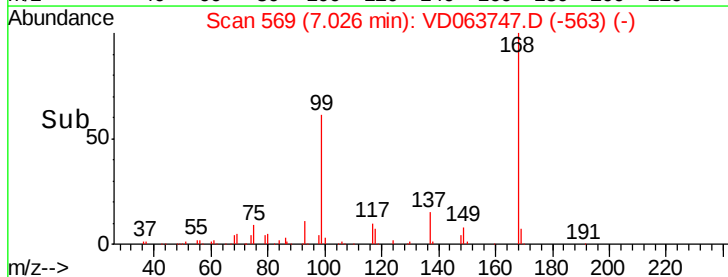
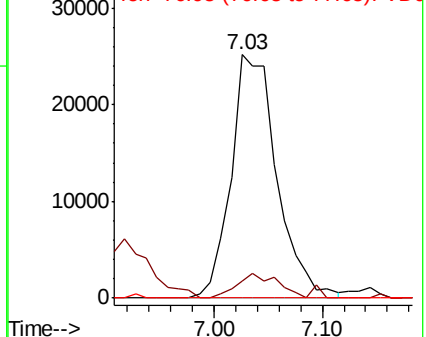
77 0.0 24.3 36.5#

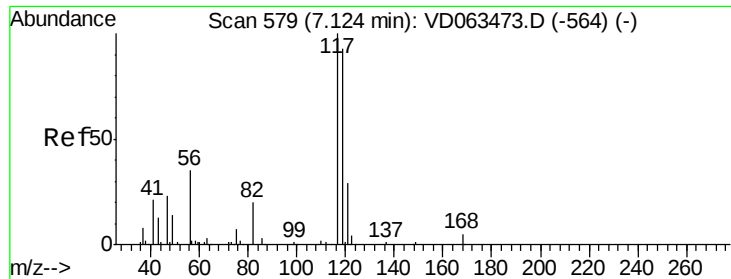


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.766 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Instrument :

MSVOA_D

ClientSampleId :

TS-1V

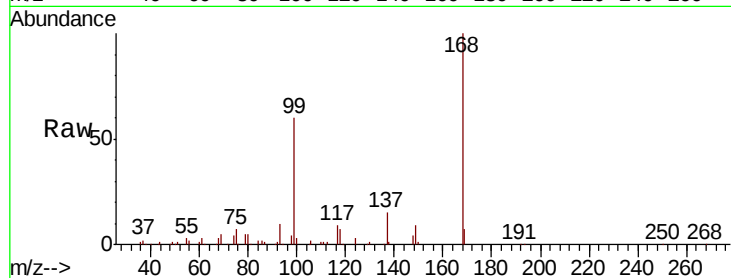
Tgt Ion:117 Resp: 92673

Ion Ratio Lower Upper

117 100

119 5.4 74.2 111.2#

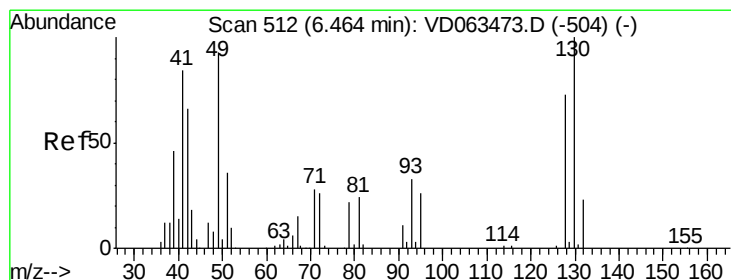
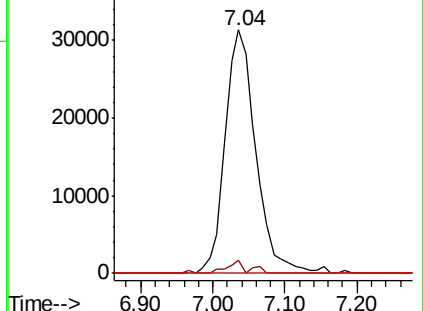
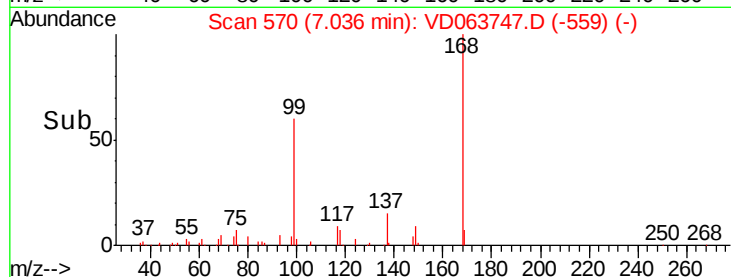
121 0.0 23.1 34.7#



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: 1.059 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Tgt Ion: 41 Resp: 7211

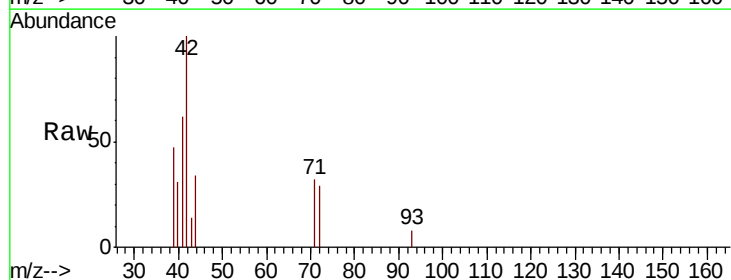
Ion Ratio Lower Upper

41 100

39 76.2 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

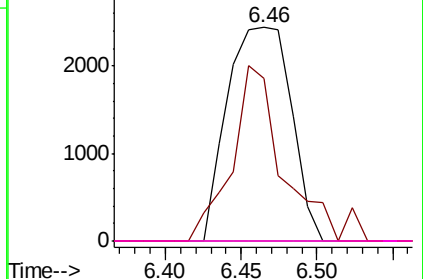
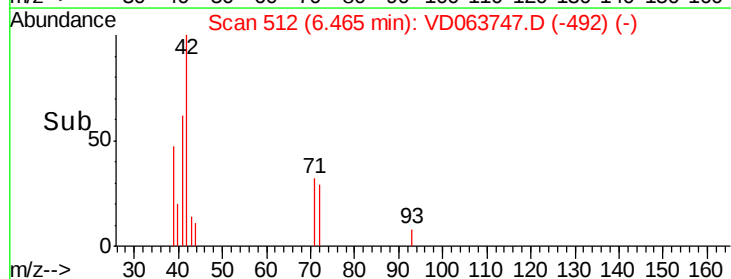


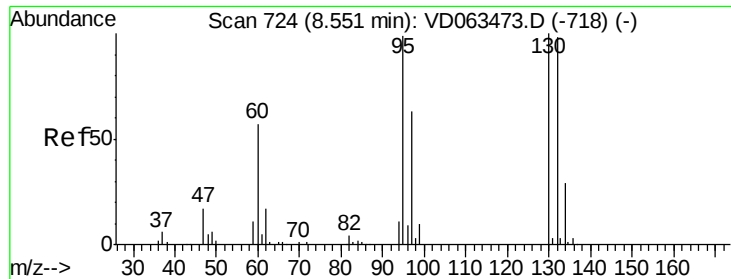
Abundance Ion 40.95 (40.65 to 41.65): VDC

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





#44

Trichloroethene

Concen: 2.880 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063747.D

Acq: 22 Aug 2019 21:33

Instrument :

MSVOA_D

ClientSampled :

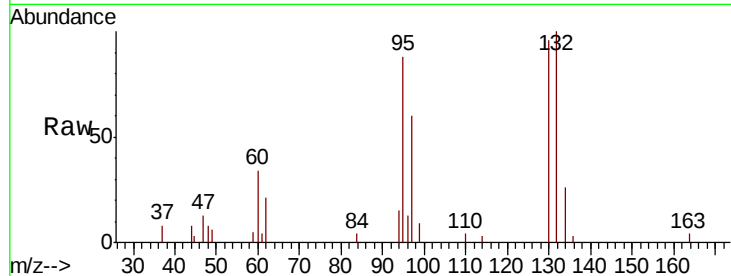
TS-1V

Tgt Ion:130 Resp: 31257

Ion Ratio Lower Upper

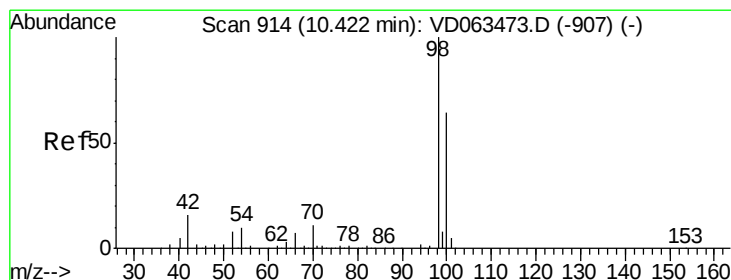
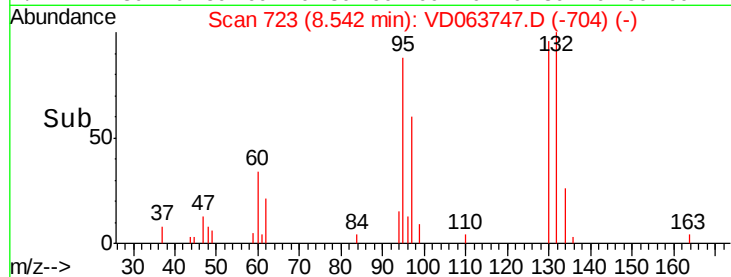
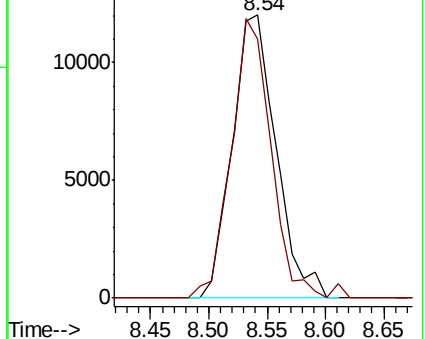
130 100

95 91.3 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 57.290 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063747.D

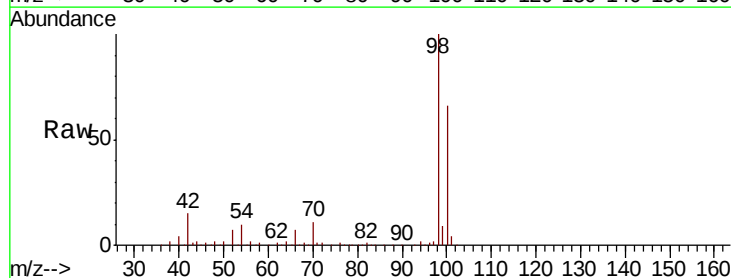
Acq: 22 Aug 2019 21:33

Tgt Ion: 98 Resp: 1548261

Ion Ratio Lower Upper

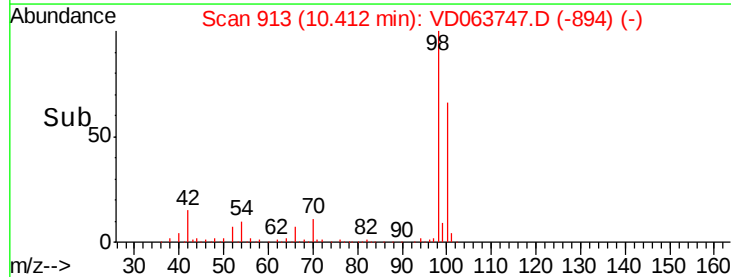
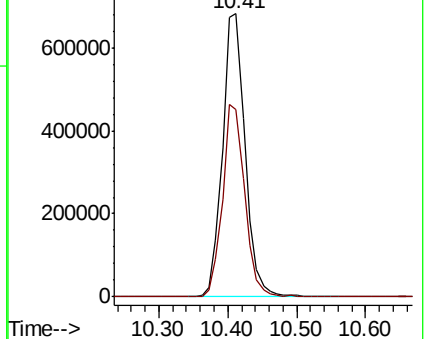
98 100

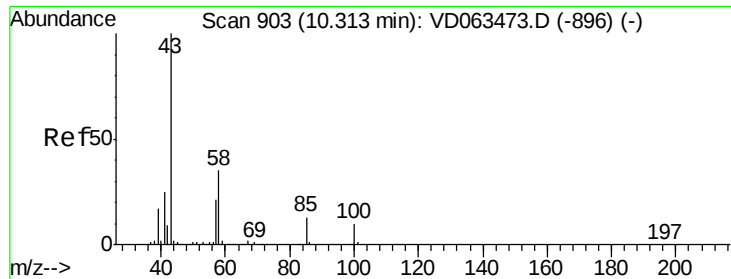
100 66.4 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

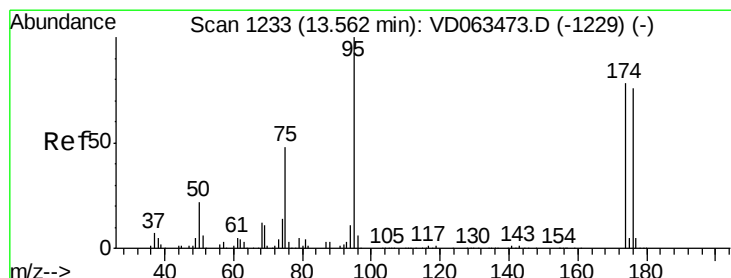
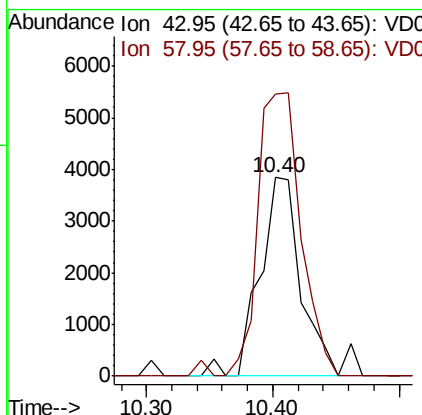
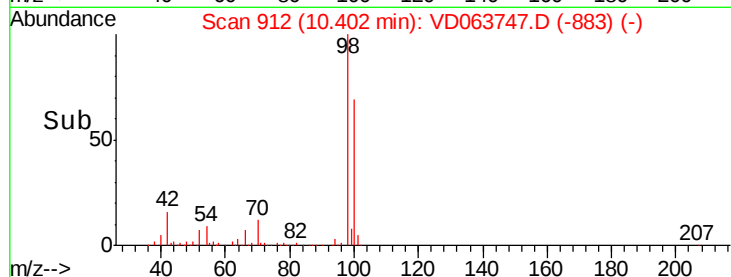
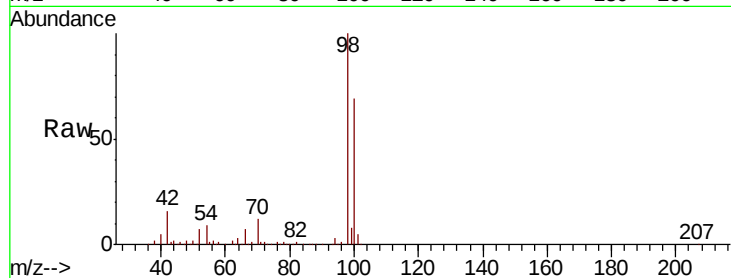




#51
 4-Methyl-2-Pentanone
 Concen: 1.744 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.09 min
 Lab File: VD063747.D
 Acq: 22 Aug 2019 21:33

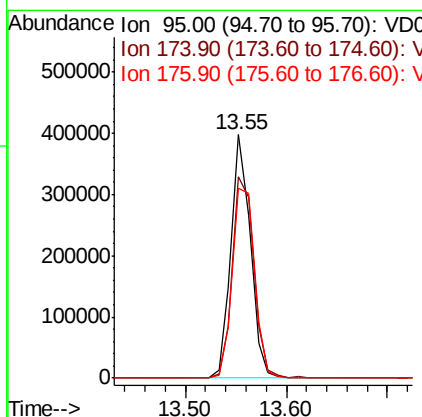
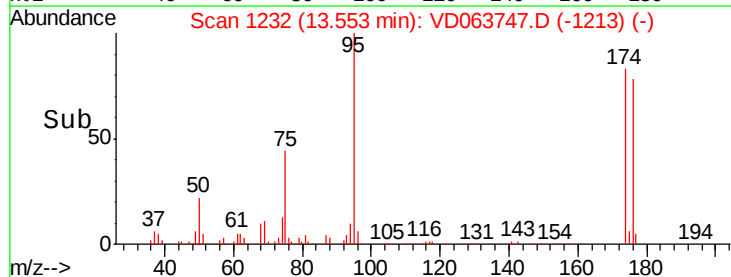
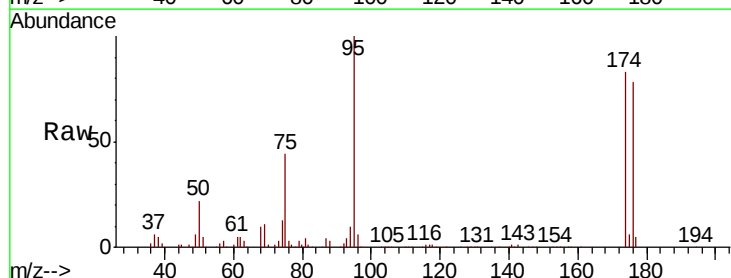
Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1V

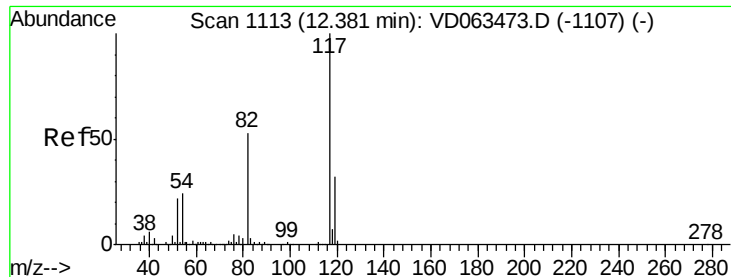
Tgt Ion: 43 Resp: 8640
 Ion Ratio Lower Upper
 43 100
 58 142.2 28.0 42.0#



#62
 4-Bromofluorobenzene
 Concen: 43.219 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063747.D
 Acq: 22 Aug 2019 21:33

Tgt Ion: 95 Resp: 529385
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 155.4
 176 77.9 0.0 152.4

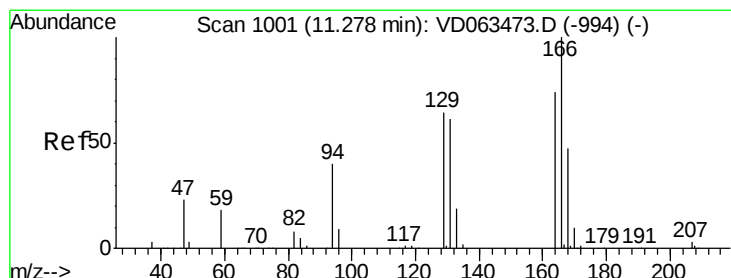
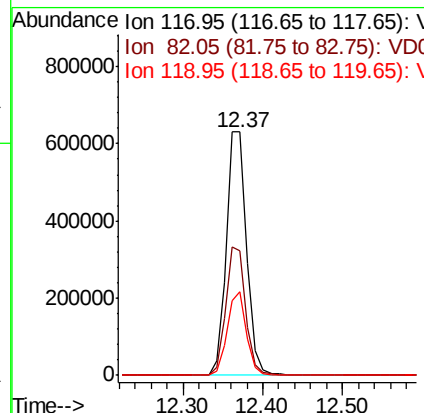
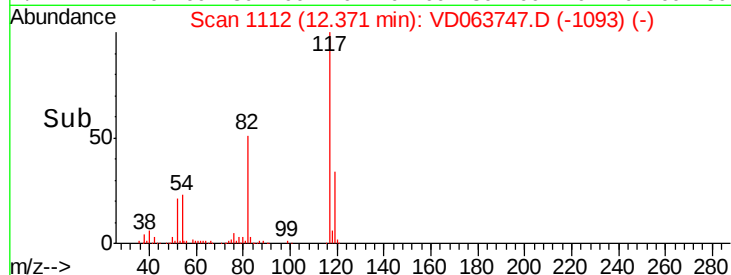
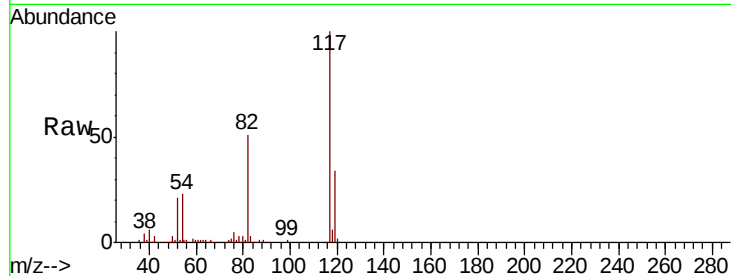




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063747.D
Acq: 22 Aug 2019 21:33

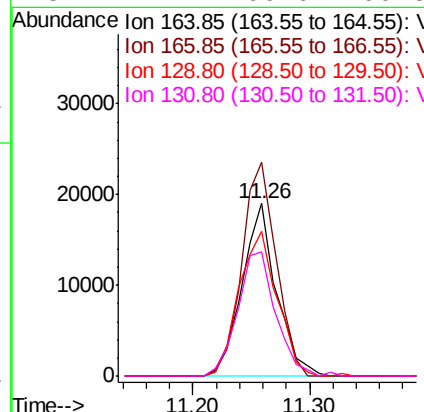
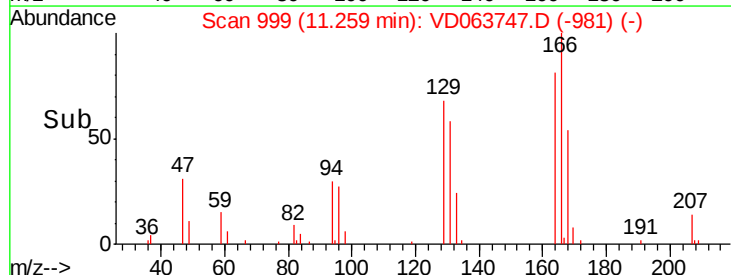
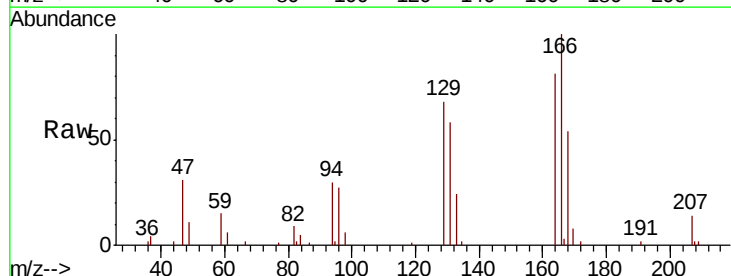
Instrument :
MSVOA_D
ClientSampled :
TS-1V

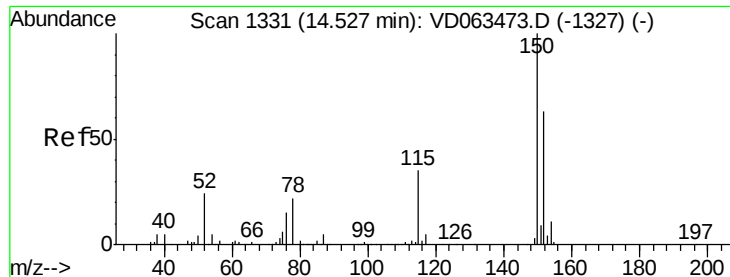
Tgt Ion:117 Resp: 1135947
Ion Ratio Lower Upper
117 100
82 51.4 42.0 63.0
119 34.2 25.4 38.0



#64
Tetrachloroethene
Concen: 4.436 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063747.D
Acq: 22 Aug 2019 21:33

Tgt Ion:164 Resp: 38901
Ion Ratio Lower Upper
164 100
166 123.9 108.6 163.0
129 84.0 69.0 103.6
131 72.1 66.6 99.8

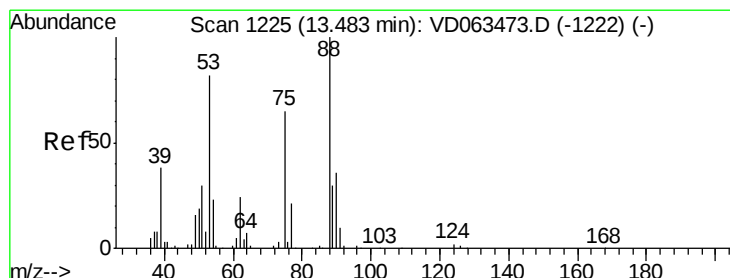
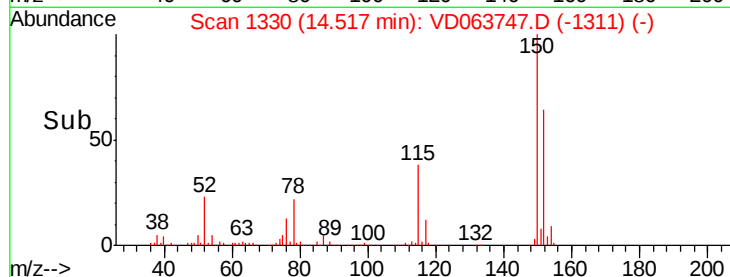
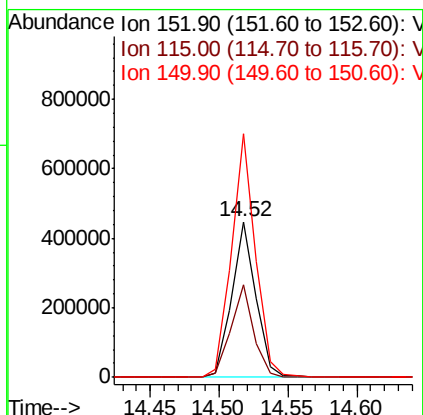
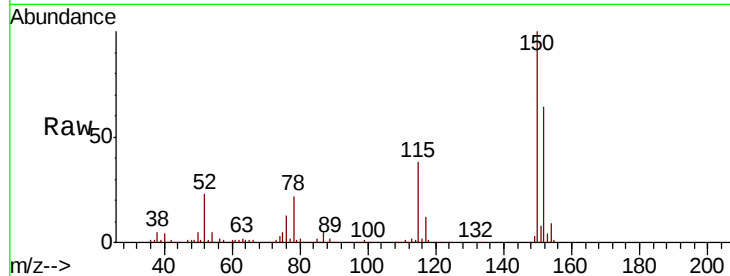




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063747.D
 Acq: 22 Aug 2019 21:33

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1V

Tgt Ion: 152 Resp: 541694
 Ion Ratio Lower Upper
 152 100
 115 59.5 30.9 92.7
 150 156.7 0.0 318.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.685 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063747.D
 Acq: 22 Aug 2019 21:33

Tgt Ion: 75 Resp: 221707
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#

