

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063276.D
 Acq On : 31 Jul 2019 13:59
 Operator : VA/AP
 Sample : K4066-15
 Misc : 5.41g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 04:02:32 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	1047086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1406850	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1138380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	480967	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	444233	38.24	ug/l	0.00
Spiked Amount			Recovery	=	76.48%	
35) Dibromofluoromethane	6.92	113	477838	39.78	ug/l	0.01
Spiked Amount			Recovery	=	79.56%	
50) Toluene-d8	10.41	98	943035	35.08	ug/l	0.00
Spiked Amount			Recovery	=	70.16%	
62) 4-Bromofluorobenzene	13.55	95	381010	31.10	ug/l	0.00
Spiked Amount			Recovery	=	62.20%	

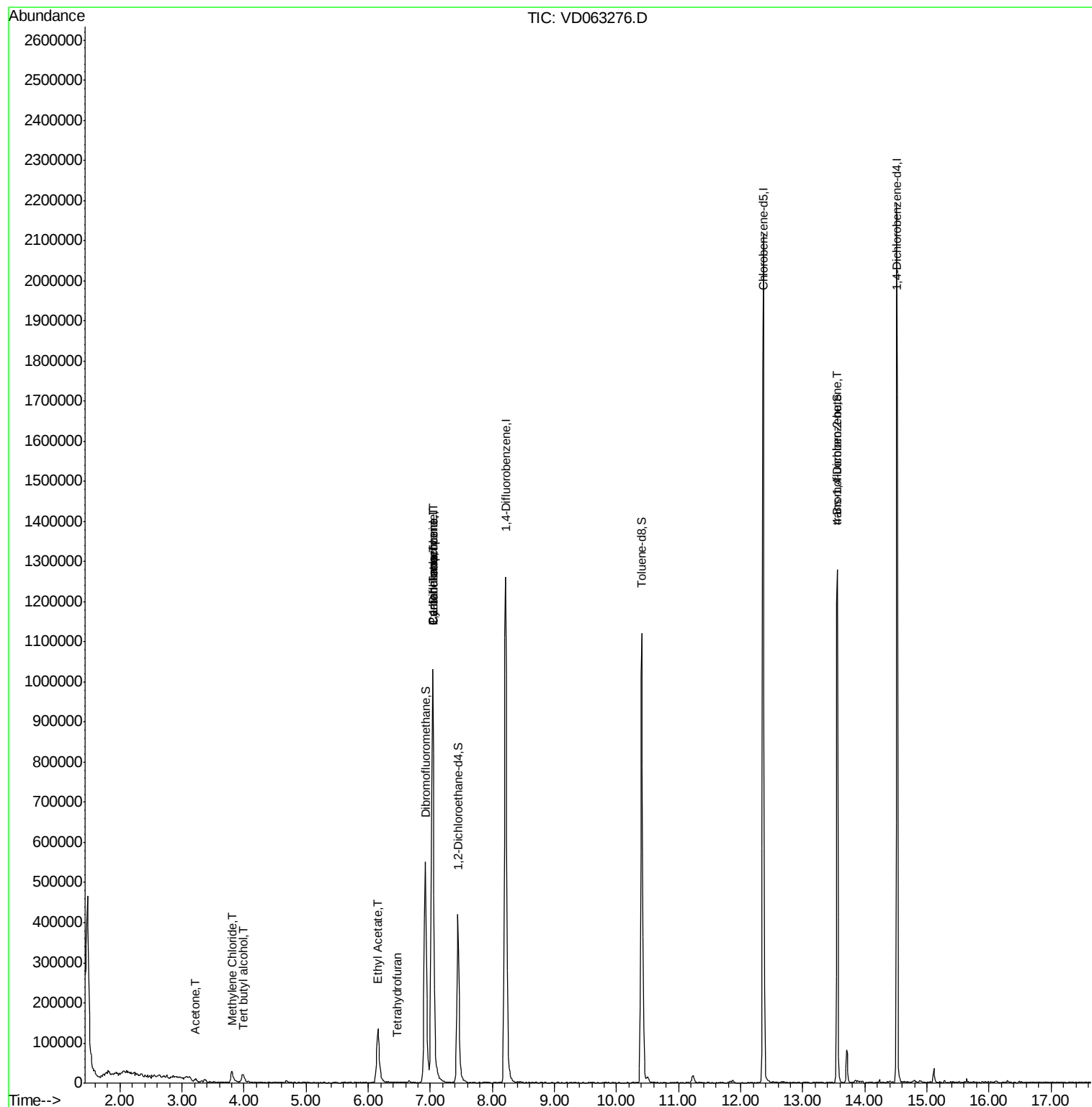
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	20935	41.059	ug/l #	69
16) Acetone	3.22	43	13613	6.014	ug/l #	80
20) Methylene Chloride	3.80	84	17485	1.911	ug/l	86
29) Tetrahydrofuran	6.47	42	1169	1.087	ug/l #	78
31) Cyclohexane	7.04	56	21976	2.123	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	79727	6.210	ug/l #	53
37) Ethyl Acetate	6.16	43	11155	1.934	ug/l #	19
38) Carbon Tetrachloride	7.04	117	100838	5.217	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	174115	108.539	ug/l #	3

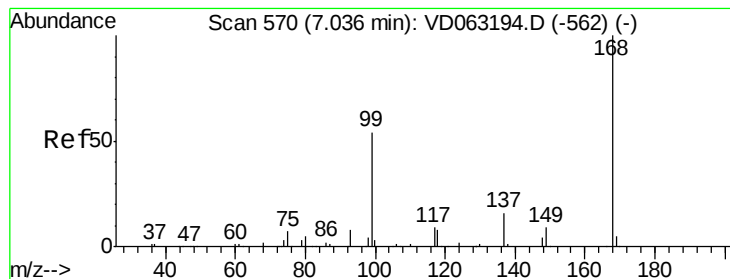
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 04:02:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

Instrument :

MSVOA_D

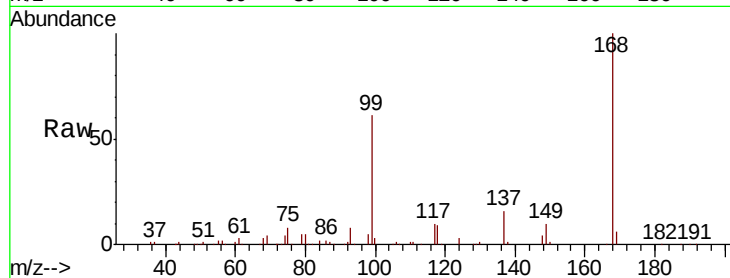
ClientSampleId :

Tot Ion:168 Resp: 1047086

Ion Ratio Lower Upper

168 100

99 61.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

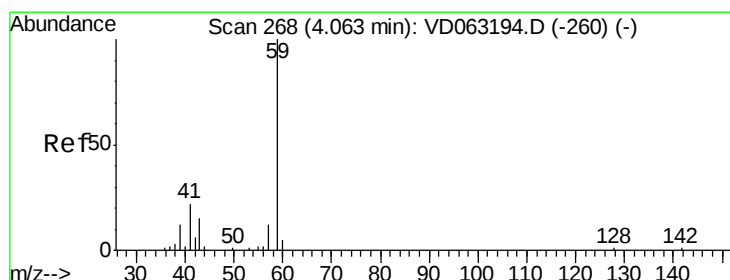
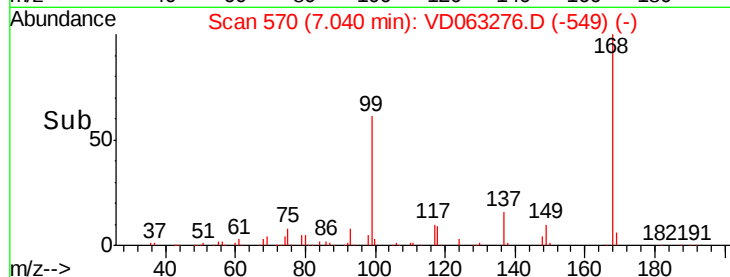
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 41.059 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.07 min

Lab File: VD063276.D

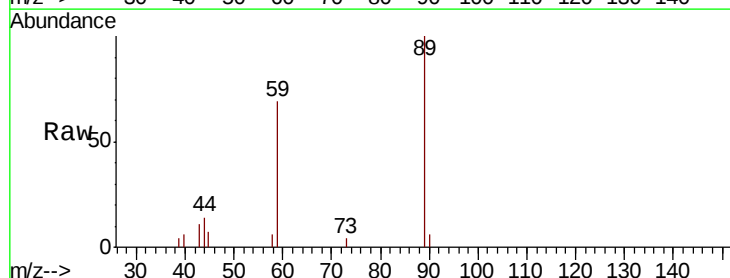
Acq: 31 Jul 2019 13:59

Tgt Ion: 59 Resp: 20935

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

3.99

6000

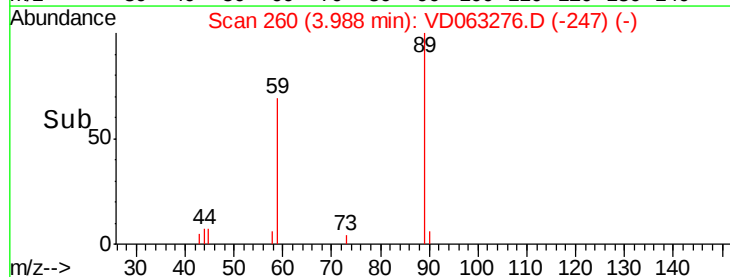
4000

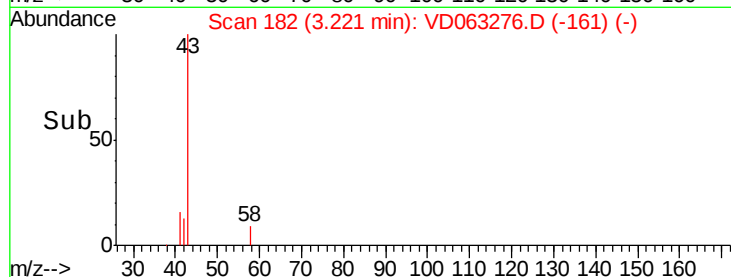
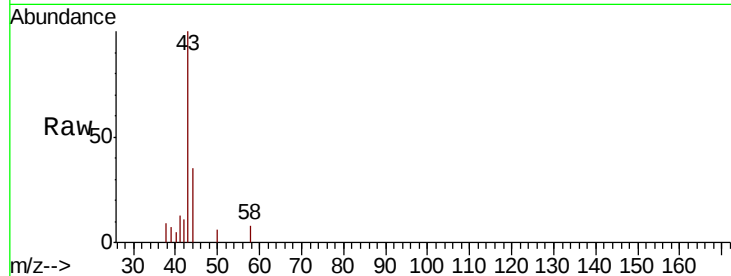
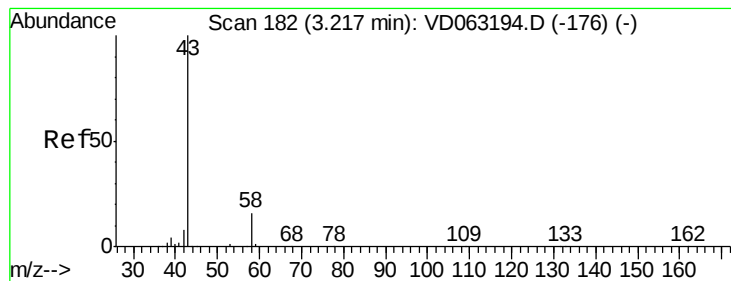
2000

0

Time-->

3.90 4.00





#16

Acetone

Concen: 6.014 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

Tot Ion: 43 Resp: 13613

Ion Ratio Lower Upper

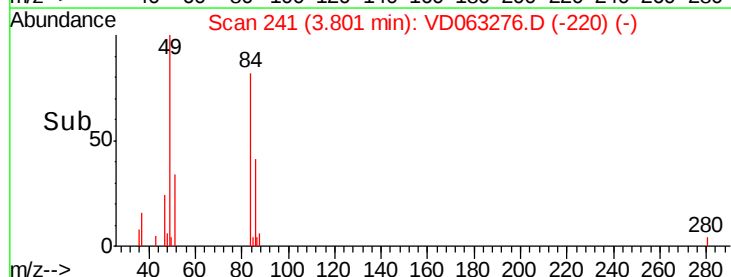
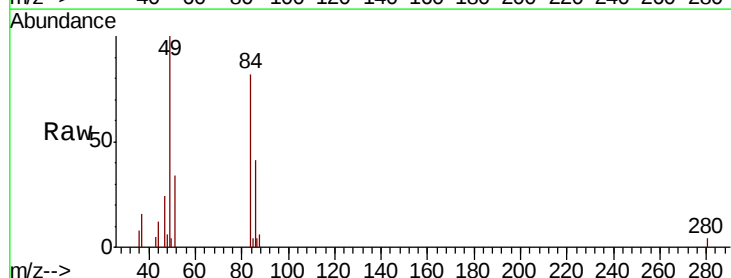
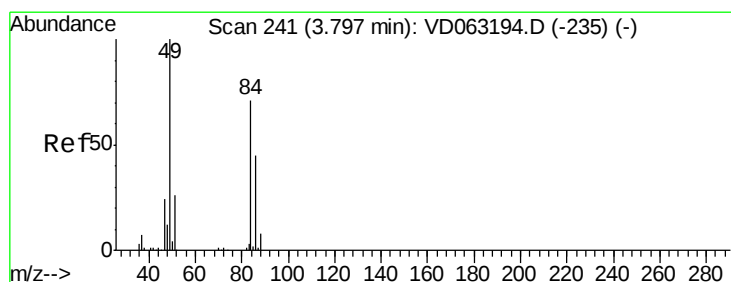
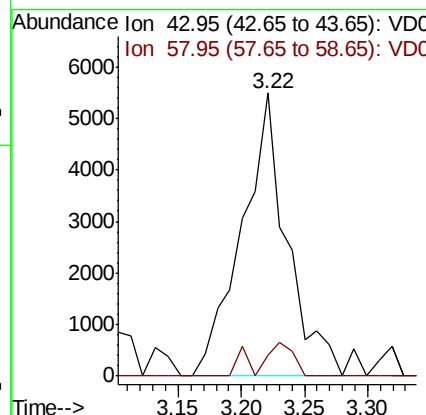
43 100

58 7.6 13.0 19.4#

Instrument :

MSVOA_D

ClientSampleId :



#20

Methylene Chloride

Concen: 1.911 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

Tgt Ion: 84 Resp: 17485

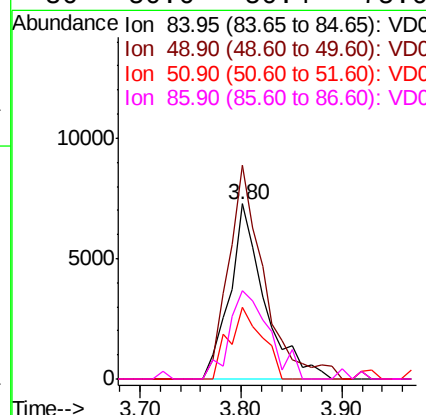
Ion Ratio Lower Upper

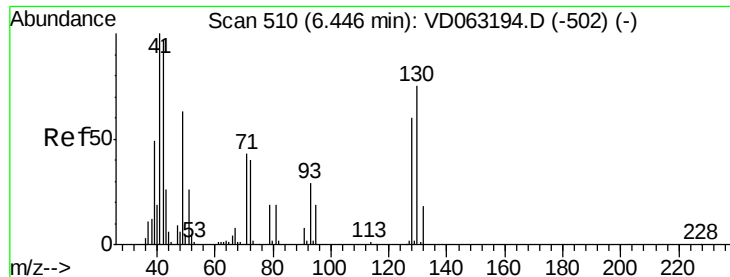
84 100

49 122.1 112.5 168.7

51 41.3 29.6 44.4

86 50.6 50.4 75.6





#29

Tetrahydrofuran

Concen: 1.087 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

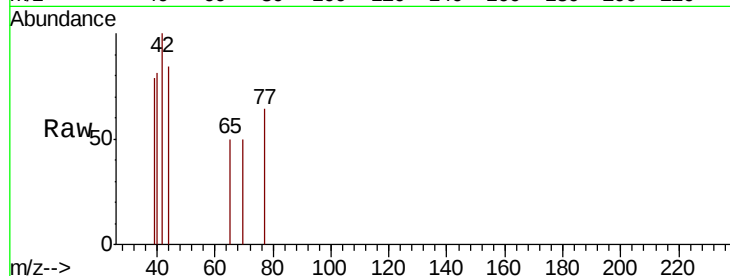
Tot Ion: 42 Resp: 1169

Ion Ratio Lower Upper

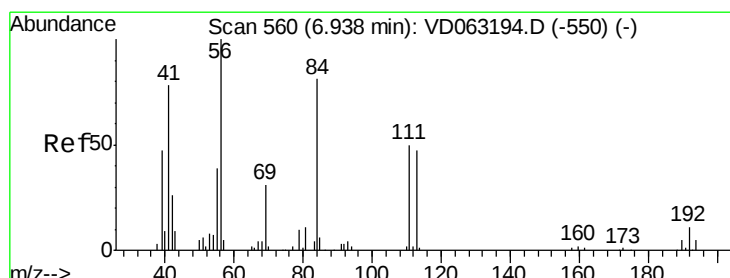
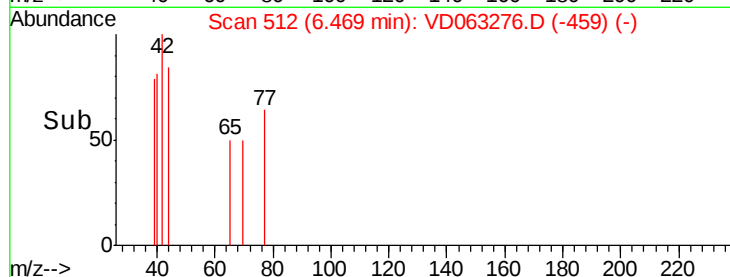
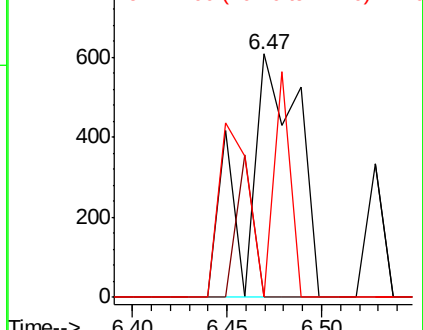
42 100

72 18.0 33.4 50.2#

71 39.9 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: 2.123 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

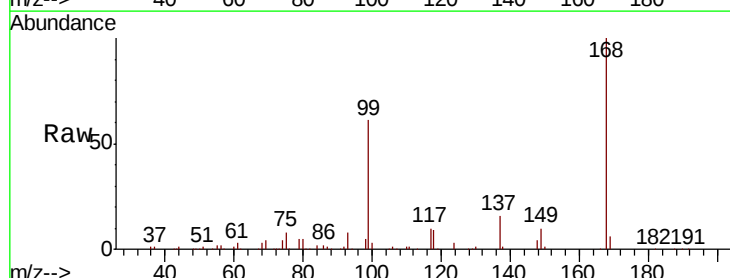
Tgt Ion: 56 Resp: 21976

Ion Ratio Lower Upper

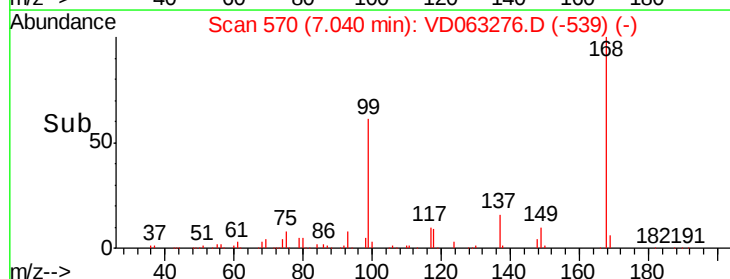
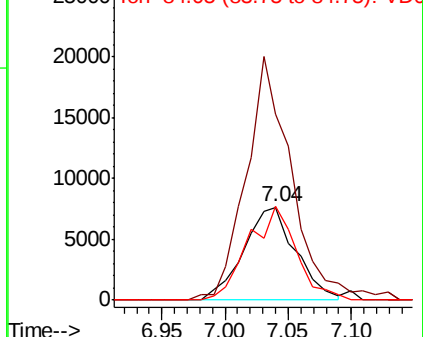
56 100

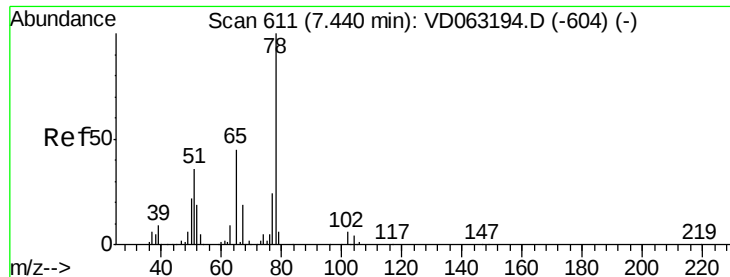
69 201.5 24.5 36.7#

84 101.3 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: 38.235 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

Instrument :

MSVOA_D

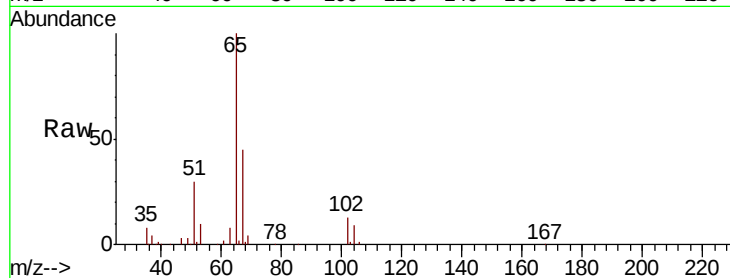
ClientSampleId :

Tot Ion: 65 Resp: 444233

Ion Ratio Lower Upper

65 100

67 45.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

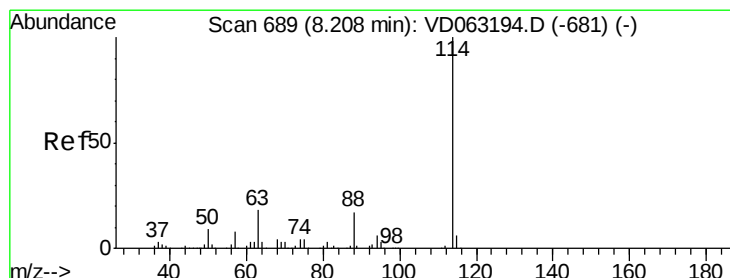
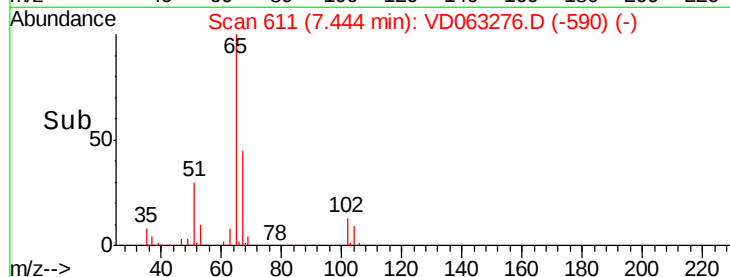
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

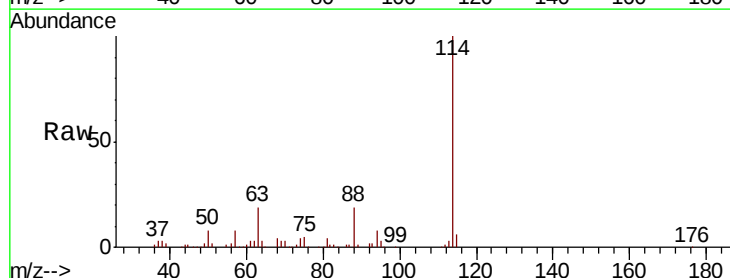
Tgt Ion: 114 Resp: 1406850

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.2

88 18.6 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

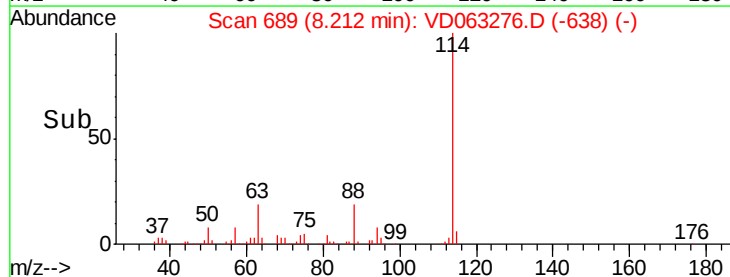
600000

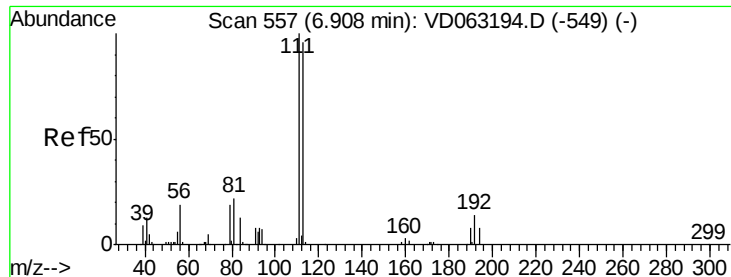
400000

200000

0

Time-->

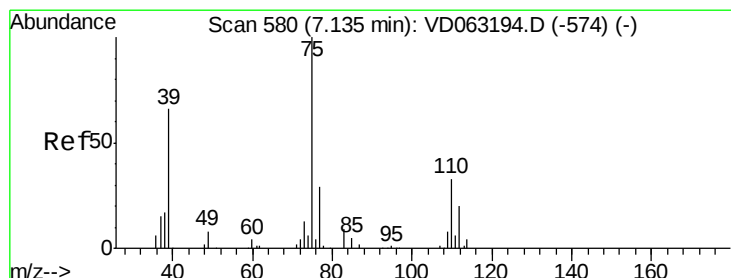
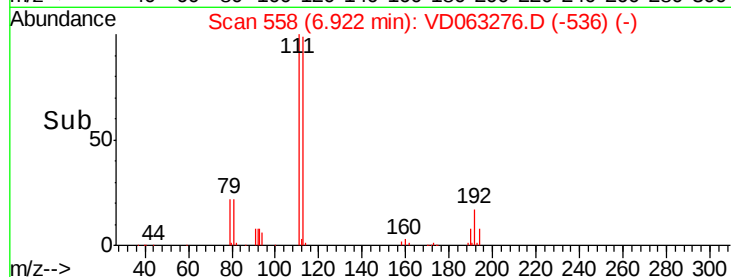
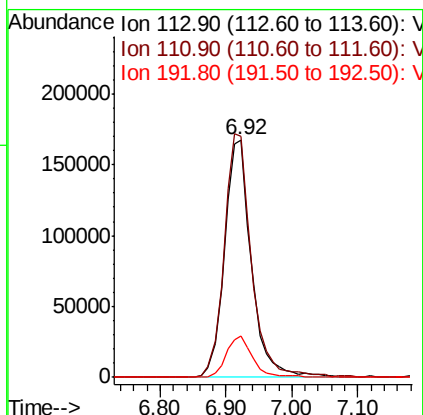
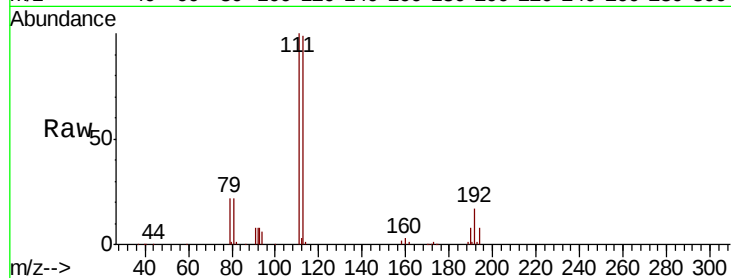




#35
 Dibromofluoromethane
 Concen: 39.782 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063276.D
 Acq: 31 Jul 2019 13:59

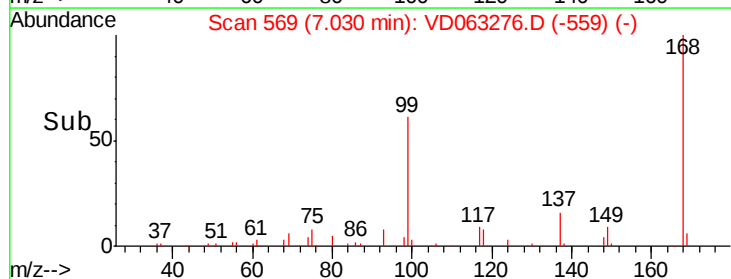
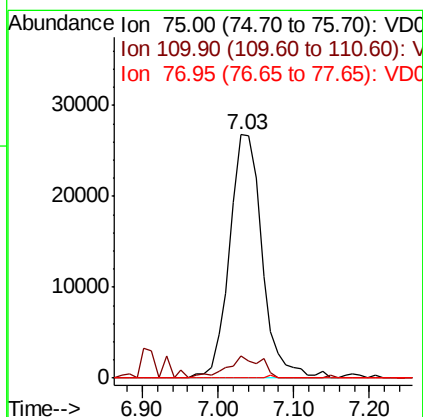
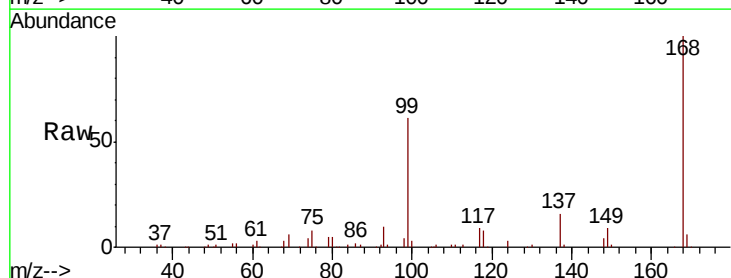
Instrument :
 MSVOA_D
 ClientSampleId :

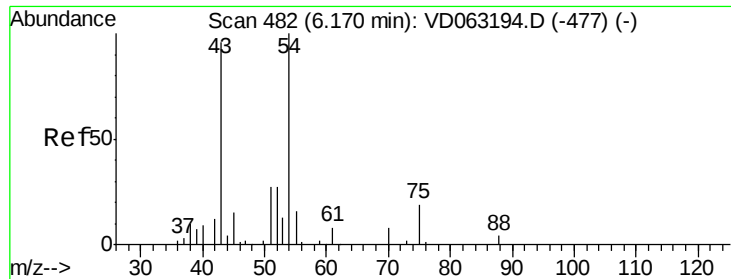
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.2	124.8
192	17.5	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.210 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063276.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.1	48.2#
77	0.0	22.7	34.1#





#37

Ethyl Acetate

Concen: 1.934 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

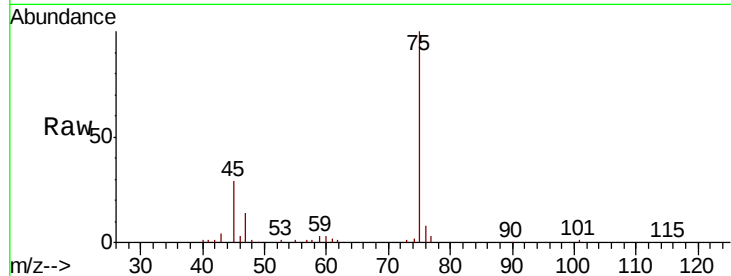
Tot Ion: 43 Resp: 11155

Ion Ratio Lower Upper

43 100

61 58.6 11.3 16.9#

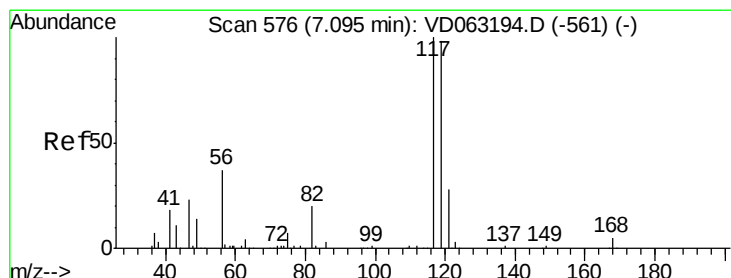
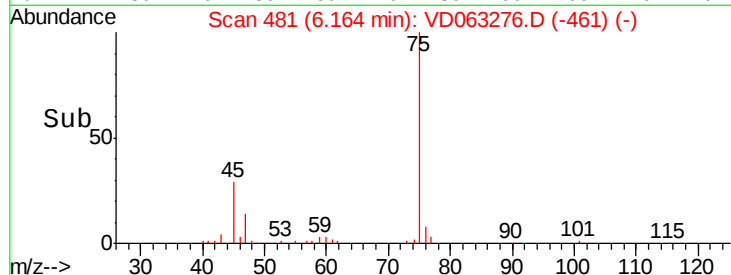
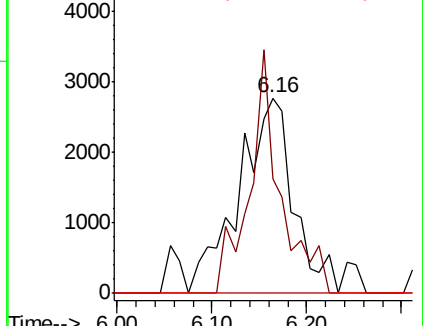
70 0.0 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.217 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063276.D

Acq: 31 Jul 2019 13:59

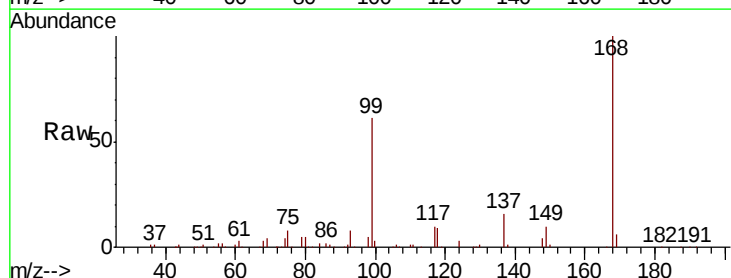
Tgt Ion: 117 Resp: 100838

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

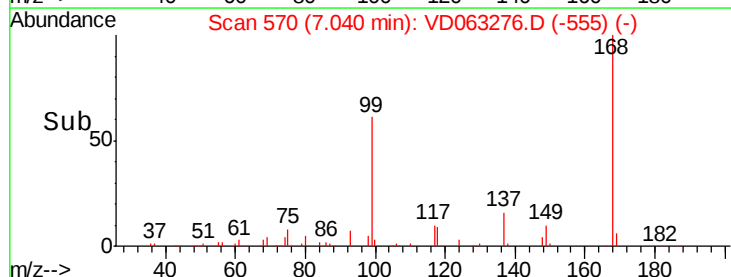
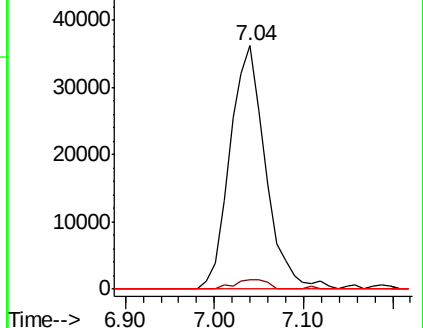
121 0.0 22.1 33.1#

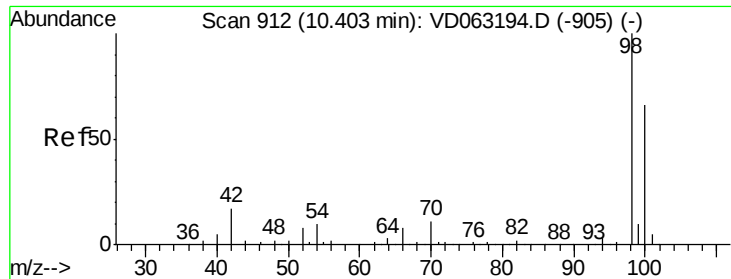


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

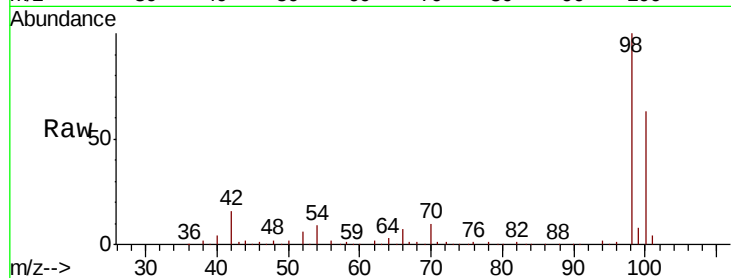




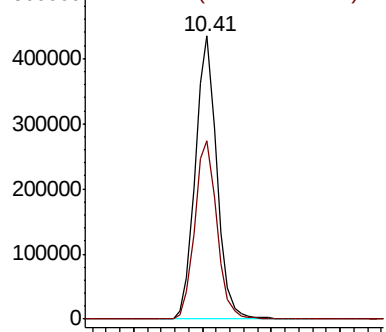
#50
Toluene-d8
Concen: 35.081 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063276.D
Acq: 31 Jul 2019 13:59

Instrument :
MSVOA_D
ClientSampleId :

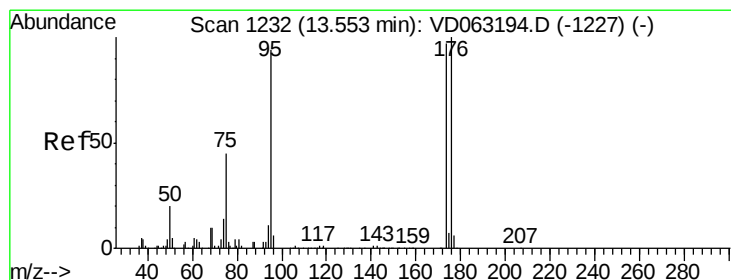
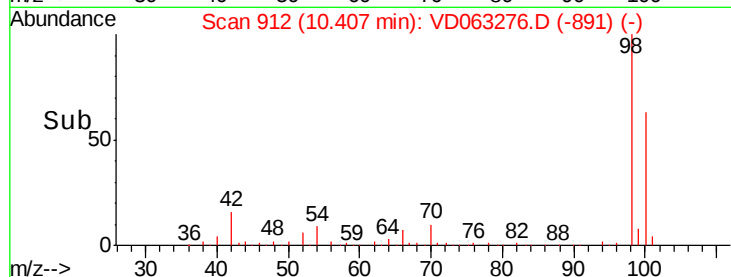
Tot Ion: 98 Resp: 943035
Ion Ratio Lower Upper
98 100
100 63.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

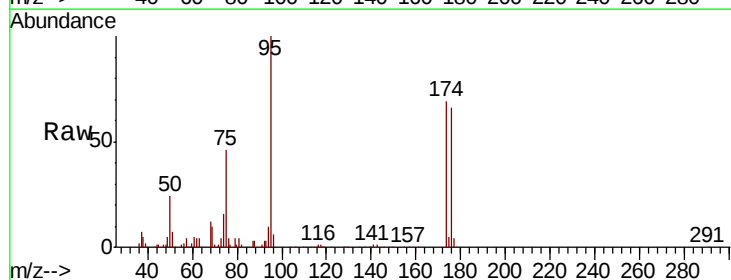


Time-->

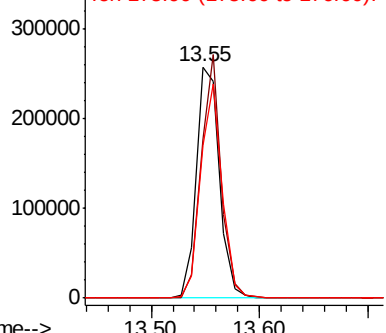


#62
4-Bromofluorobenzene
Concen: 31.103 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063276.D
Acq: 31 Jul 2019 13:59

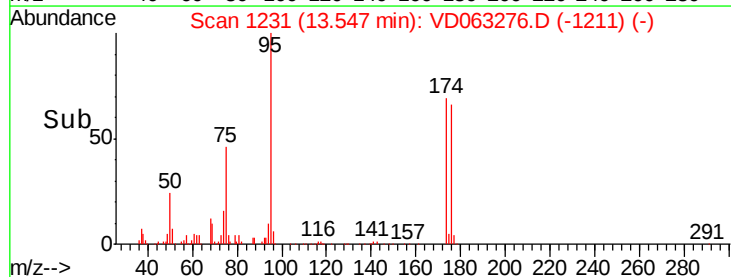
Tgt Ion: 95 Resp: 381010
Ion Ratio Lower Upper
95 100
174 69.1 0.0 205.4
176 66.2 0.0 211.8

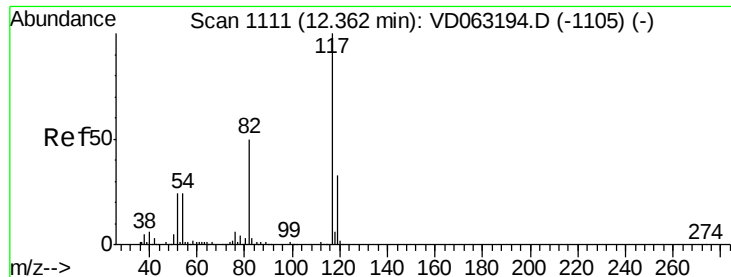


Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)



Time-->

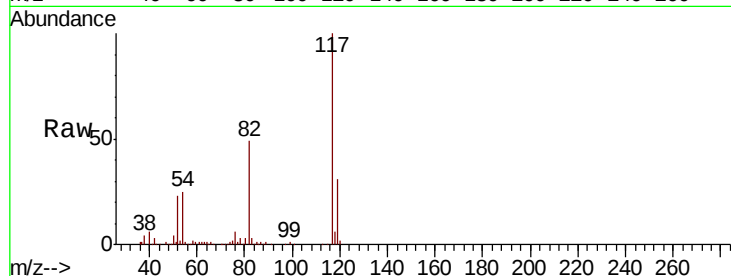




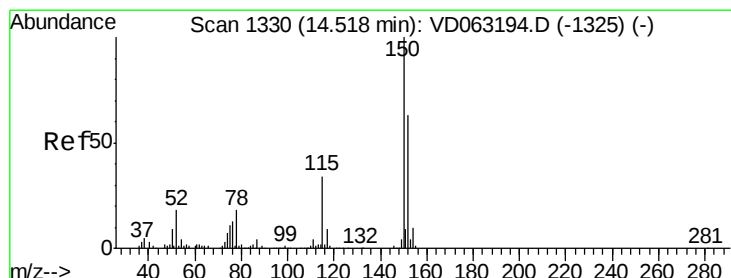
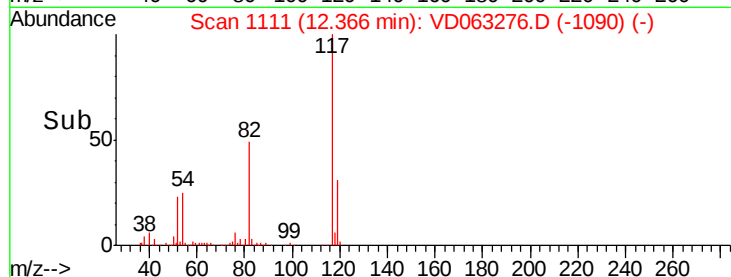
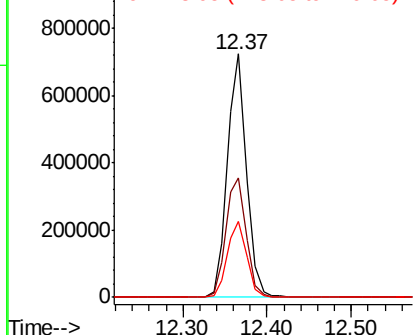
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063276.D
Acq: 31 Jul 2019 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1138380
Ion Ratio Lower Upper
117 100
82 49.2 40.1 60.1
119 31.4 26.5 39.7

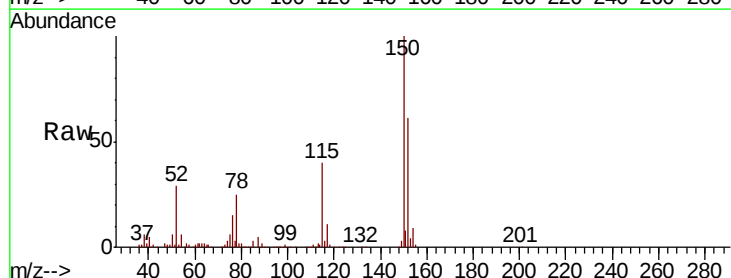


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

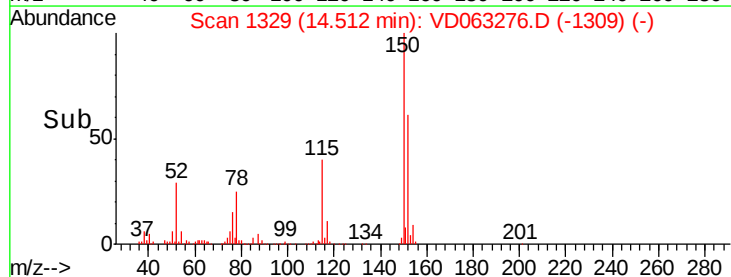
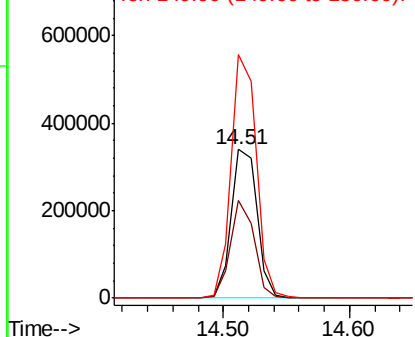


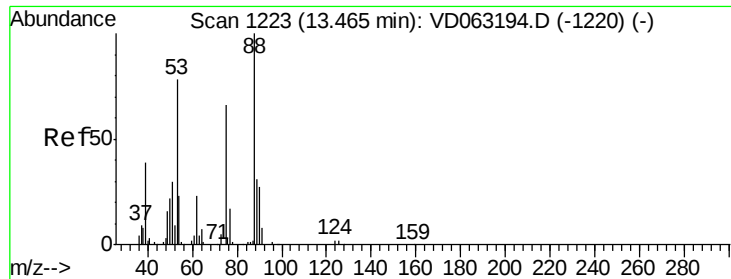
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063276.D
Acq: 31 Jul 2019 13:59

Tgt Ion:152 Resp: 480967
Ion Ratio Lower Upper
152 100
115 65.6 27.5 82.4
150 163.6 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: 108.539 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD063276.D
 Acq: 31 Jul 2019 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 174115
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#

