

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060481.D
 Acq On : 4 Dec 2018 11:16
 Operator : VA/AP
 Sample : VD1204SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBL01

Quant Time: Dec 05 02:23:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1230983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1669640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1351520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	657667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	484170	54.93	ug/l	0.00
Spiked Amount						
			Recovery	=	109.86%	
35) Dibromofluoromethane	6.34	113	715725	57.49	ug/l	0.00
Spiked Amount						
			Recovery	=	114.98%	
50) Toluene-d8	9.46	98	2045267	56.13	ug/l	0.00
Spiked Amount						
			Recovery	=	112.26%	
62) 4-Bromofluorobenzene	12.44	95	746129	56.51	ug/l	0.00
Spiked Amount						
			Recovery	=	113.02%	

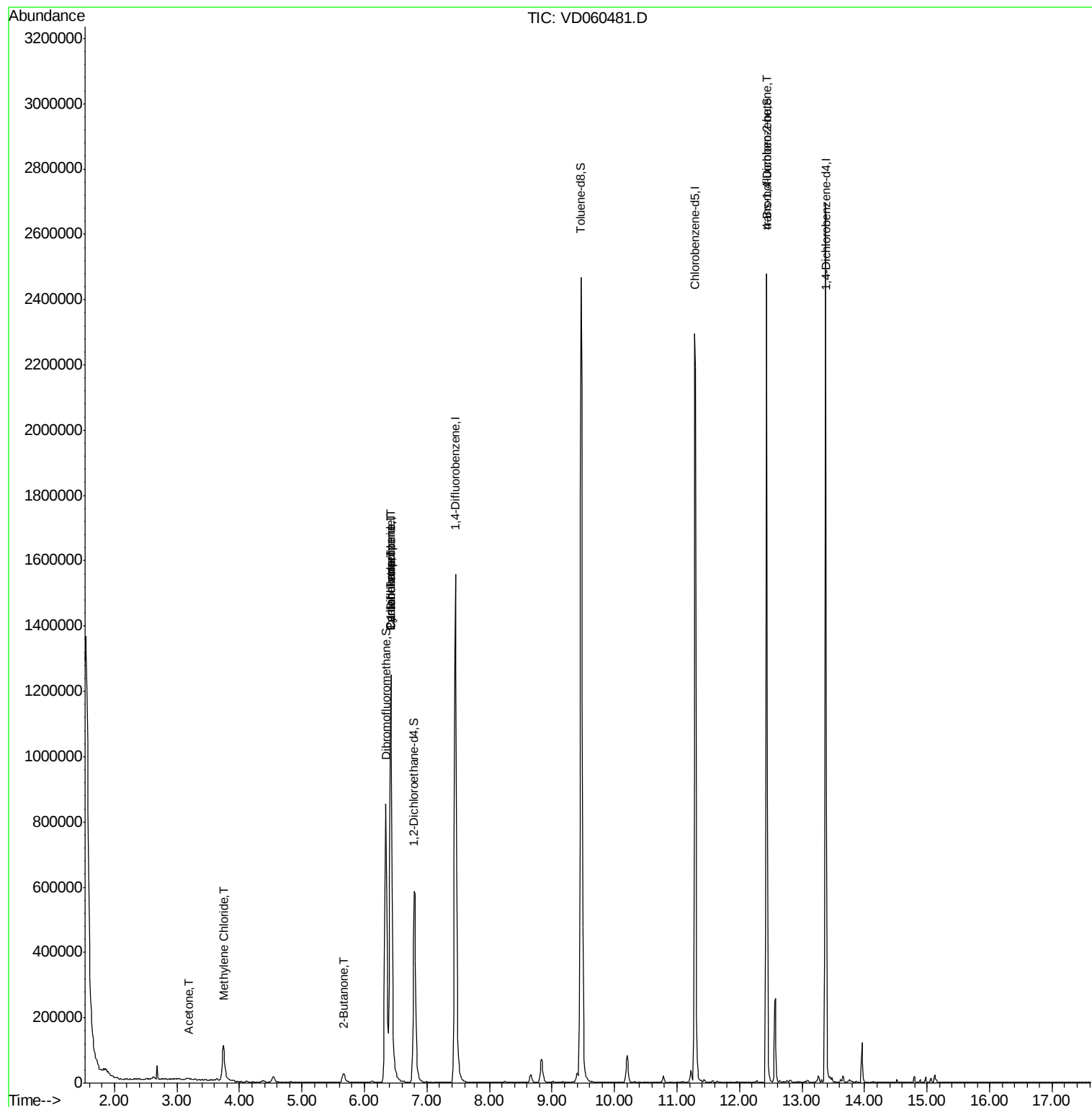
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.62	85	2653	Below Cal	#	41
16) Acetone	3.18	43	5644	3.692	ug/l #	55
20) Methylene Chloride	3.75	84	69726	5.141	ug/l	94
25) 2-Butanone	5.65	43	3727	1.173	ug/l #	60
31) Cyclohexane	6.42	56	23449	1.114	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	88685	5.376	ug/l #	48
38) Carbon Tetrachloride	6.42	117	94885	6.201	ug/l #	17
81) trans-1,4-Dichloro-2-buten	12.43	75	300995	134.386	ug/l #	15
89) n-Butylbenzene	13.66	91	5319	Below Cal		89

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

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Sample : VD1204SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBL01

Quant Time: Dec 05 02:23:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060481.D

Acq: 4 Dec 2018 11:16

Instrument :

MSVOA_D

ClientSampleId :

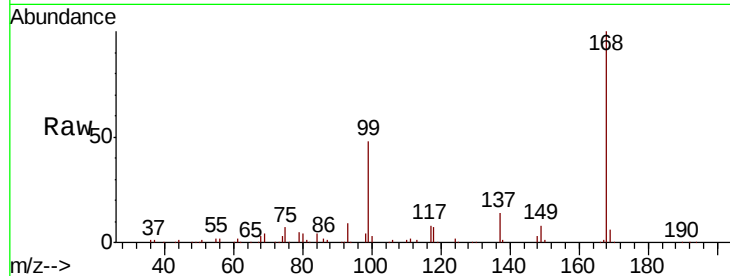
VD1204SBL01

Tot Ion:168 Resp: 1230983

Ion Ratio Lower Upper

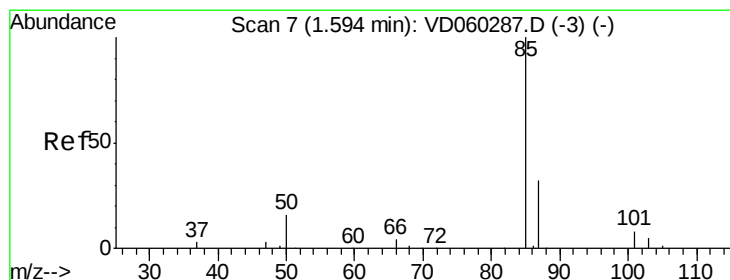
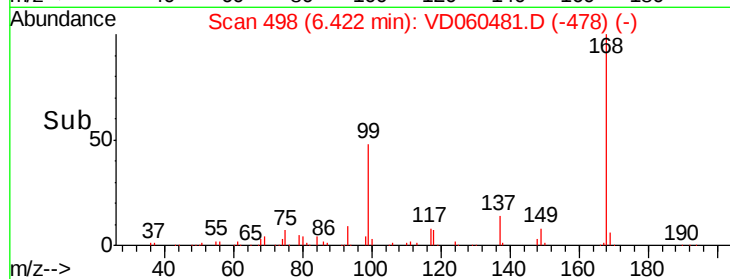
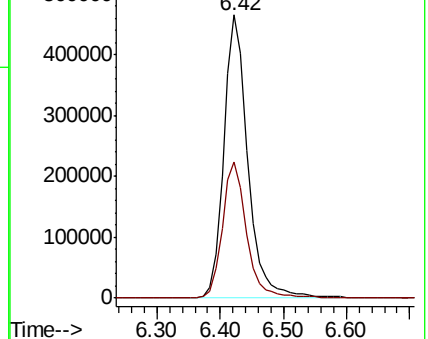
168 100

99 48.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.62 min Scan# 10

Delta R.T. 0.03 min

Lab File: VD060481.D

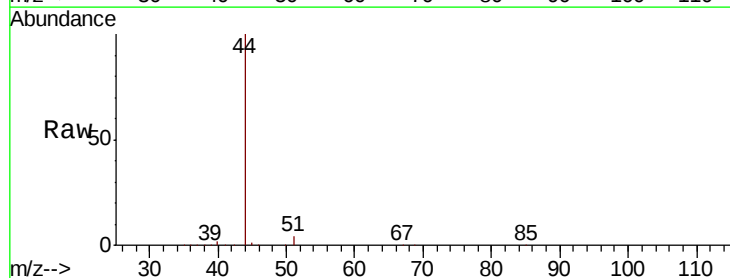
Acq: 4 Dec 2018 11:16

Tgt Ion: 85 Resp: 2653

Ion Ratio Lower Upper

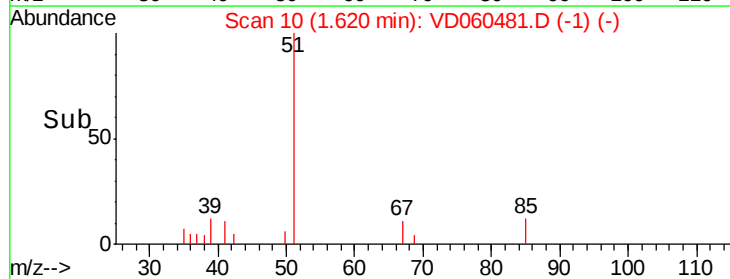
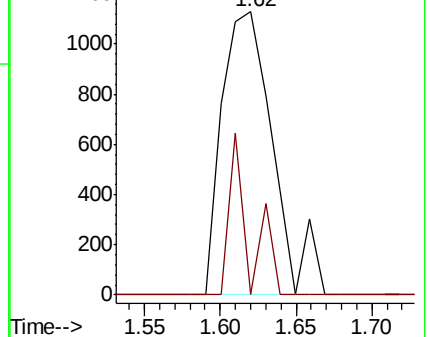
85 100

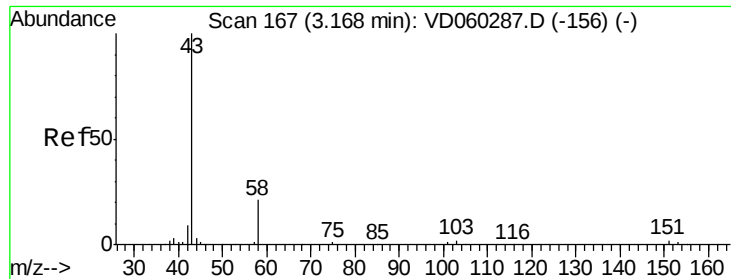
87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 3.692 ug/l

RT: 3.18 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060481.D

Acq: 4 Dec 2018 11:16

Instrument :

MSVOA_D

ClientSampleId :

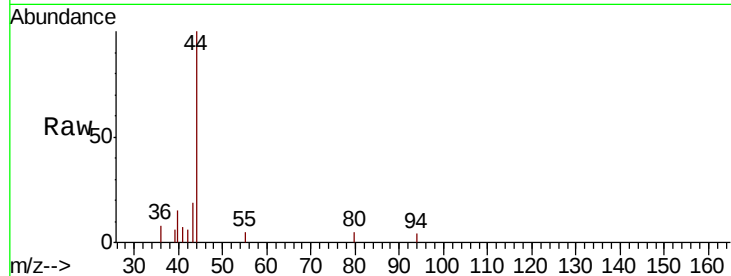
VD1204SBL01

Tot Ion: 43 Resp: 5644

Ion Ratio Lower Upper

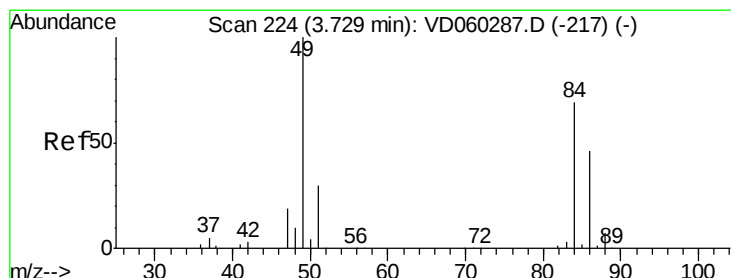
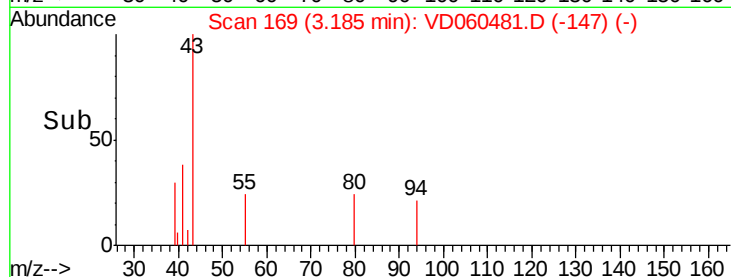
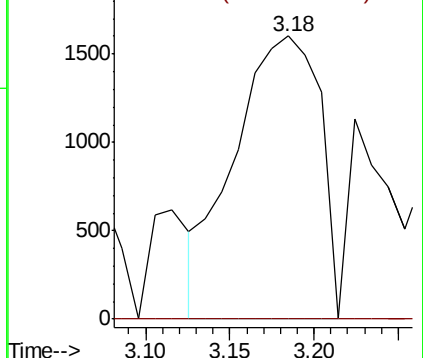
43 100

58 0.0 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.141 ug/l

RT: 3.75 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD060481.D

Acq: 4 Dec 2018 11:16

Tgt Ion: 84 Resp: 69726

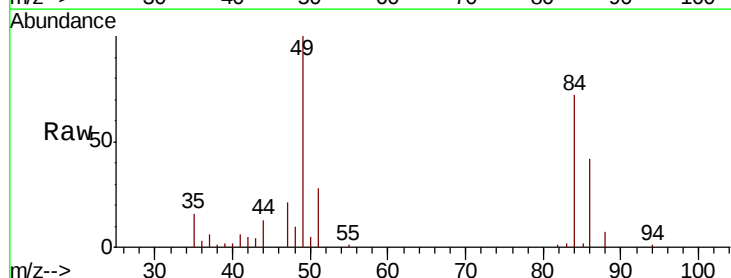
Ion Ratio Lower Upper

84 100

49 139.6 115.6 173.4

51 39.5 35.6 53.4

86 58.5 52.3 78.5

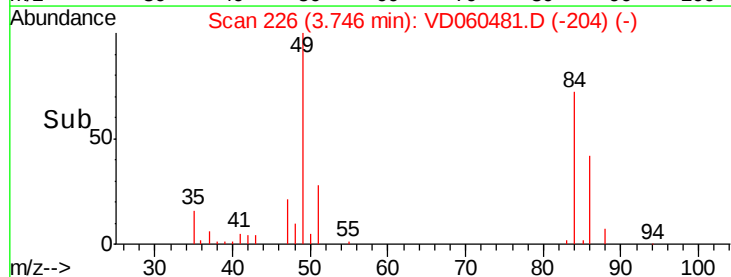
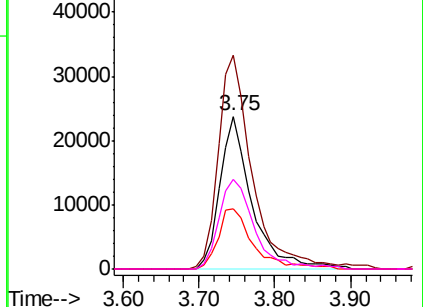


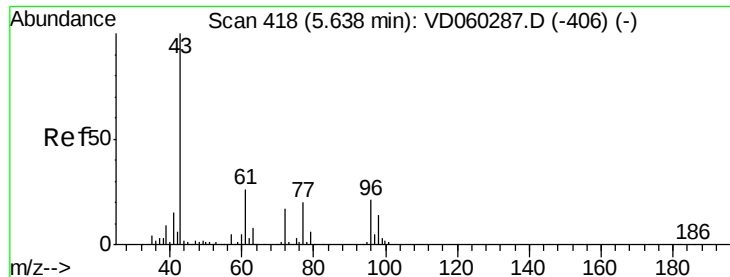
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 1.173 ug/l

RT: 5.65 min Scan# 420

Delta R.T. 0.02 min

Lab File: VD060481.D

Acq: 4 Dec 2018 11:16

Instrument :

MSVOA_D

ClientSampleId :

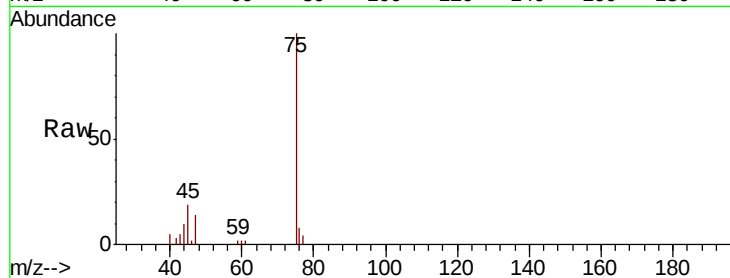
VD1204SBL01

Tot Ion: 43 Resp: 3727

Ion Ratio Lower Upper

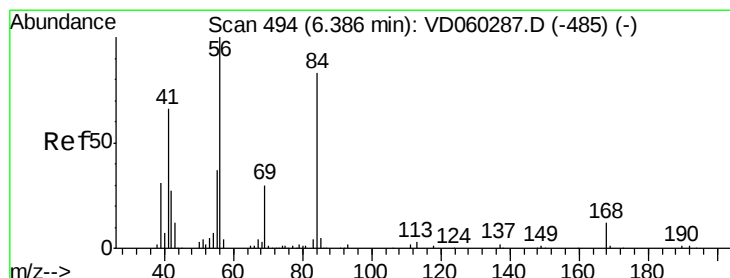
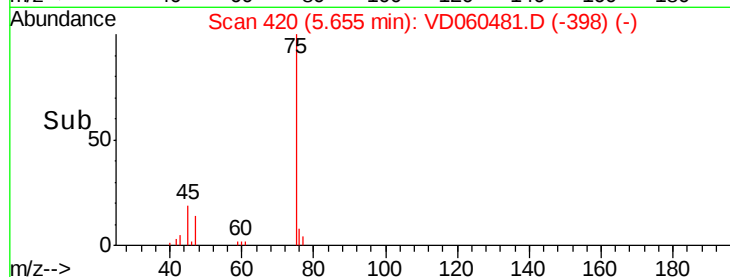
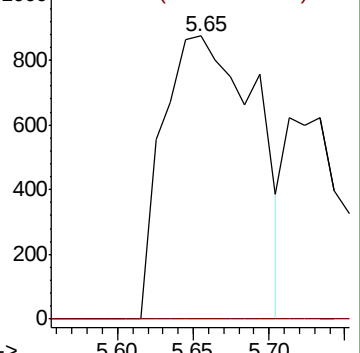
43 100

72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 6.42 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060481.D

Acq: 4 Dec 2018 11:16

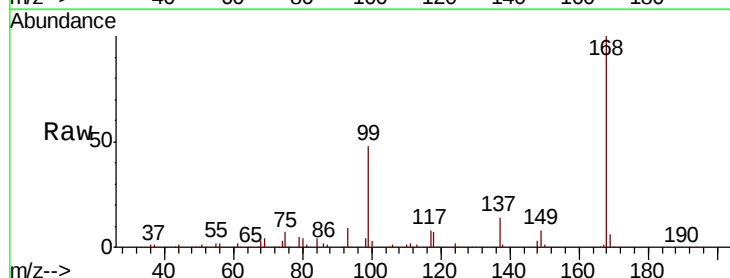
Tgt Ion: 56 Resp: 23449

Ion Ratio Lower Upper

56 100

69 218.6 22.2 33.2#

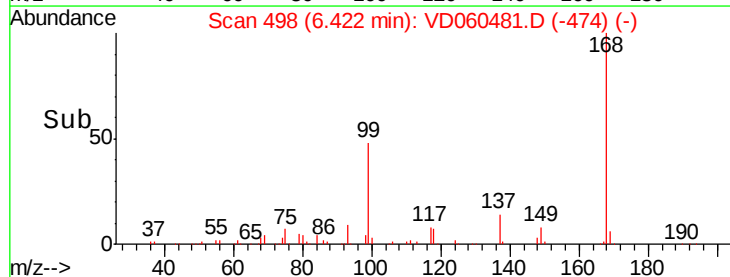
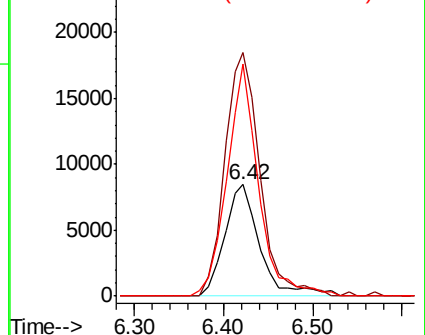
84 208.6 63.0 94.4#

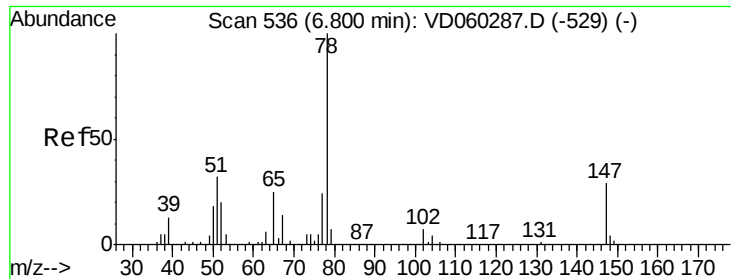


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060481.D

Acq: 4 Dec 2018 11:16

Instrument :

MSVOA_D

ClientSampleId :

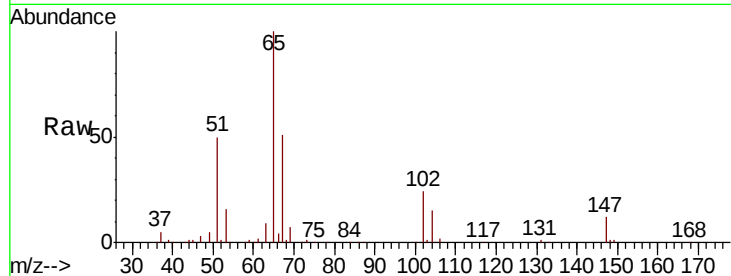
VD1204SBL01

Tot Ion: 65 Resp: 484170

Ion Ratio Lower Upper

65 100

67 50.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

200000

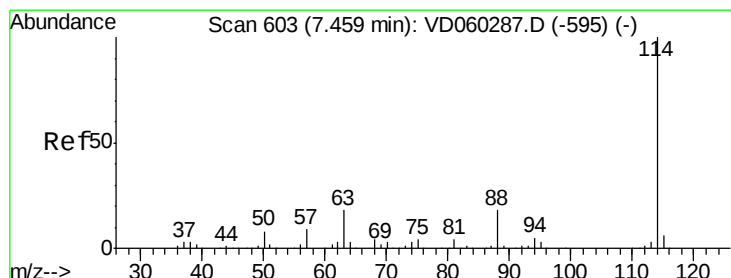
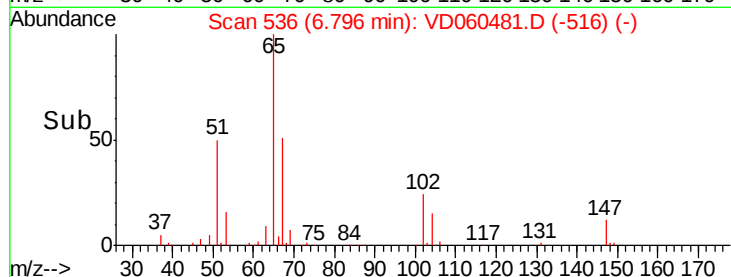
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060481.D

Acq: 4 Dec 2018 11:16

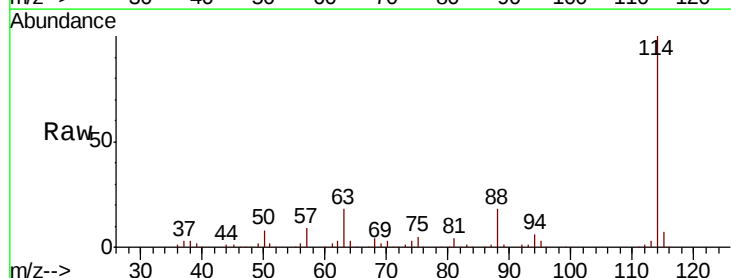
Tgt Ion:114 Resp: 1669640

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

88 18.4 0.0 35.4



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

7.46

800000

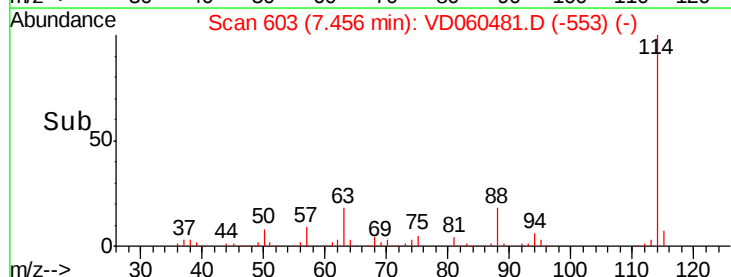
600000

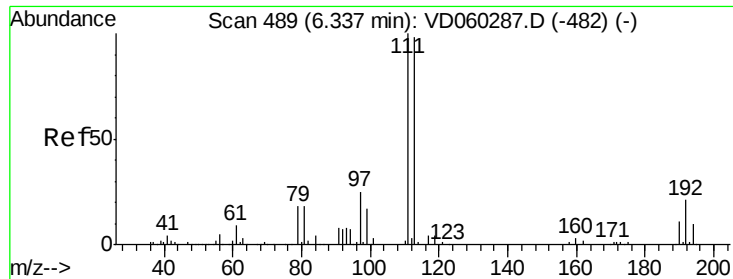
400000

200000

0

Time-->

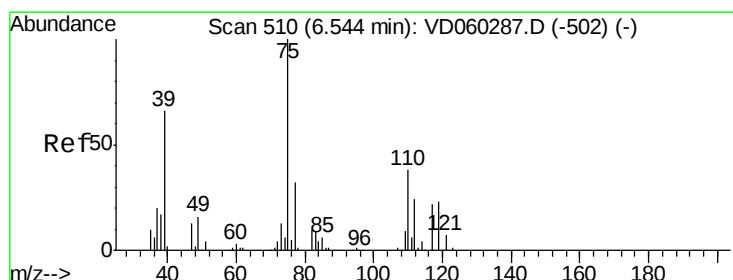
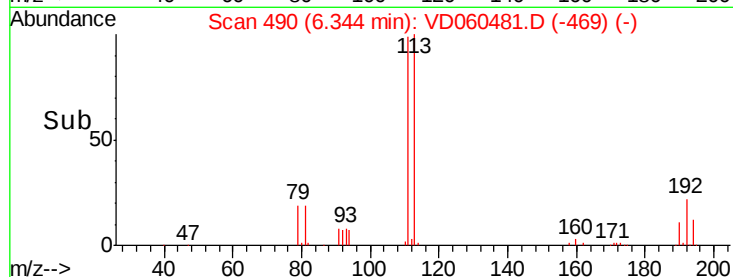
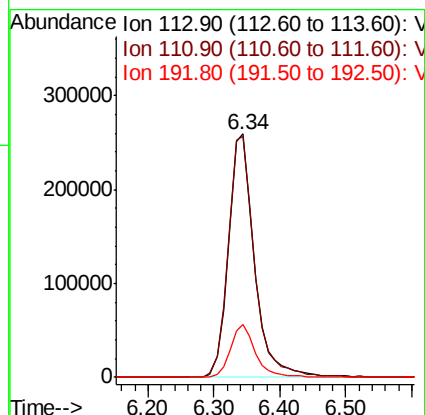
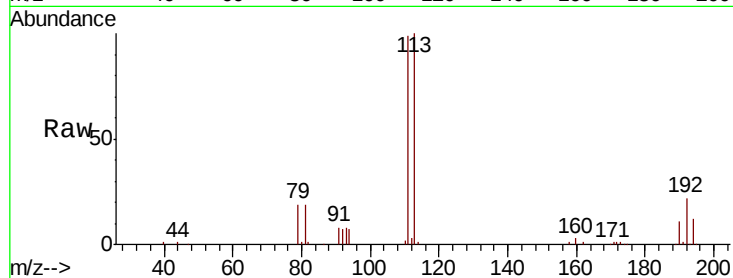




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060481.D
 Acq: 4 Dec 2018 11:16

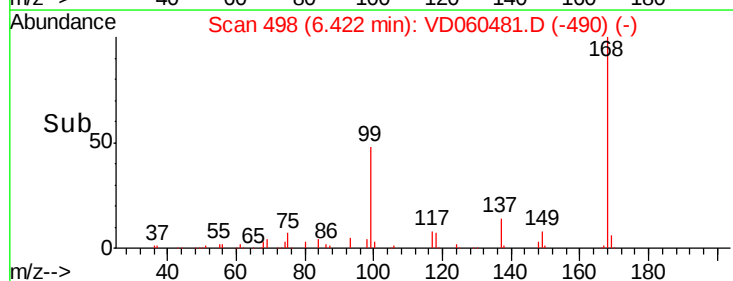
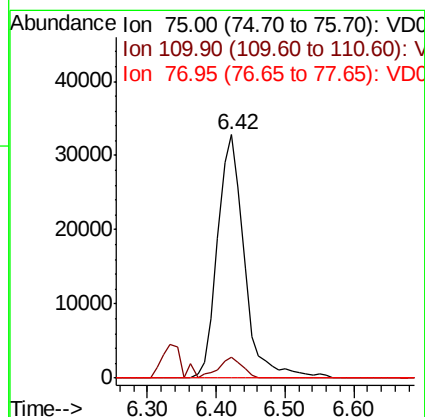
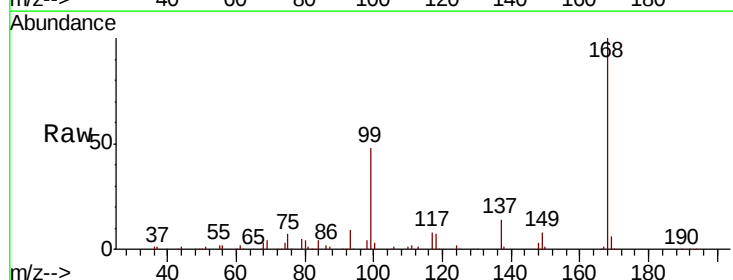
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBL01

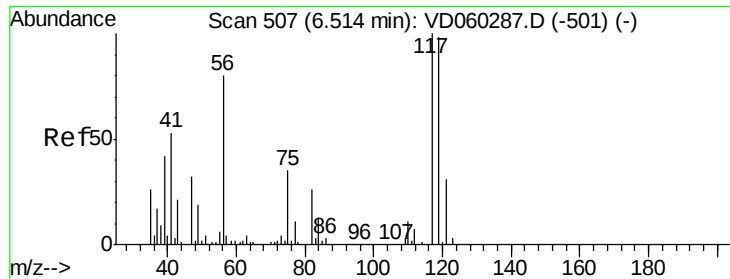
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.6	122.4
192	21.7	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 5.376 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.12 min
 Lab File: VD060481.D
 Acq: 4 Dec 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.0	54.0#
77	0.0	25.6	38.4#

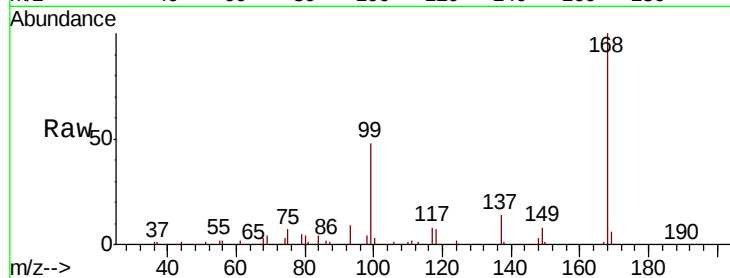




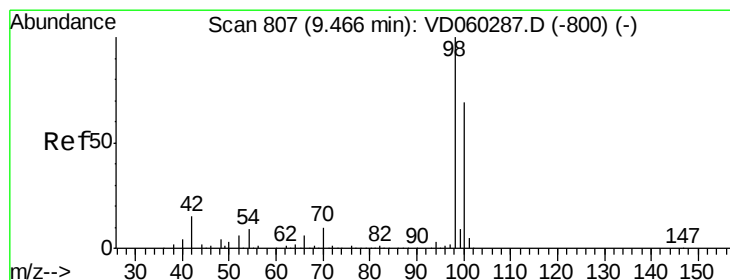
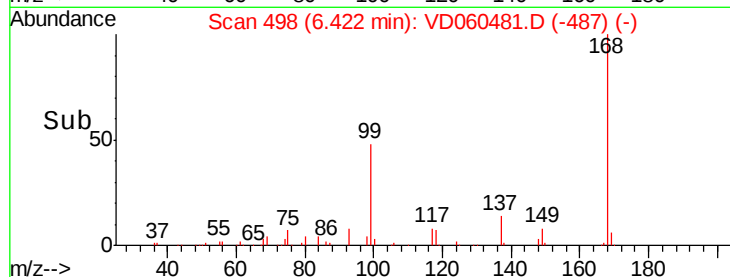
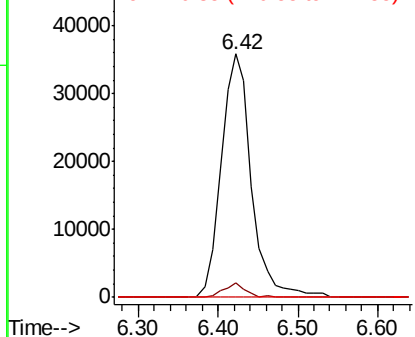
#38
Carbon Tetrachloride
Concen: 6.201 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060481.D
Acq: 4 Dec 2018 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBL01

Tot Ion:117 Resp: 94885
Ion Ratio Lower Upper
117 100
119 5.9 76.6 115.0#
121 0.0 24.3 36.5#

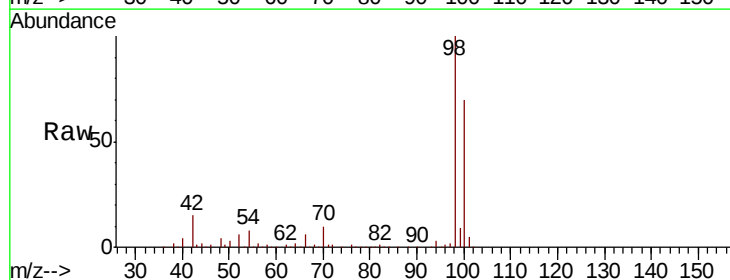


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

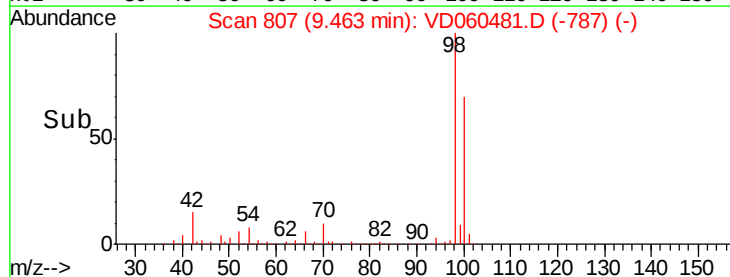
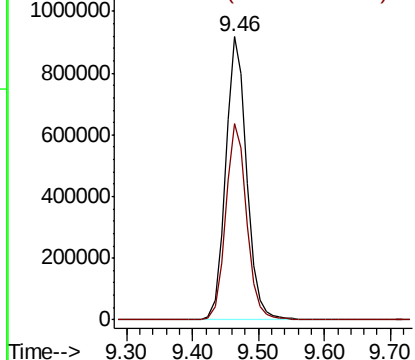


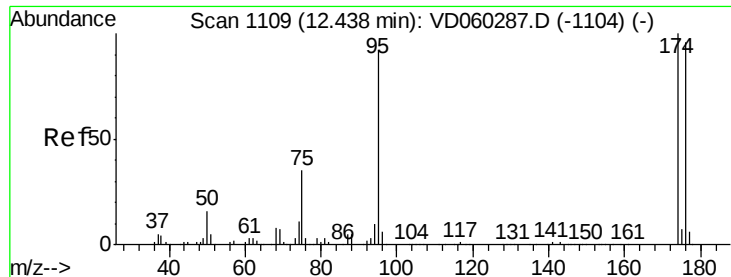
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060481.D
Acq: 4 Dec 2018 11:16

Tgt Ion: 98 Resp: 2045267
Ion Ratio Lower Upper
98 100
100 69.6 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V

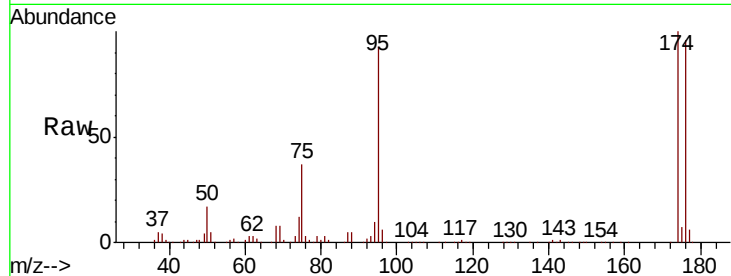




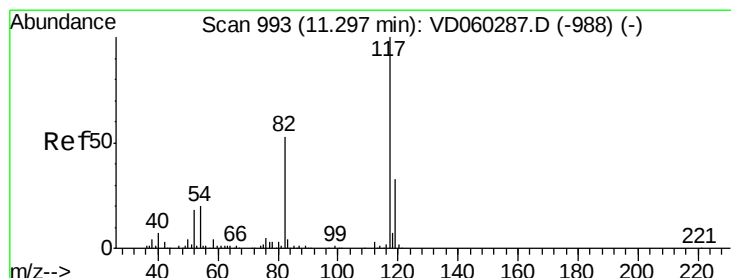
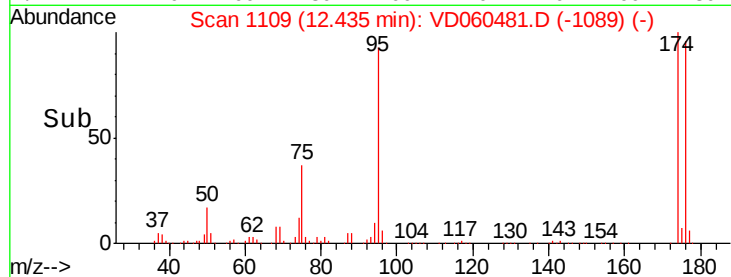
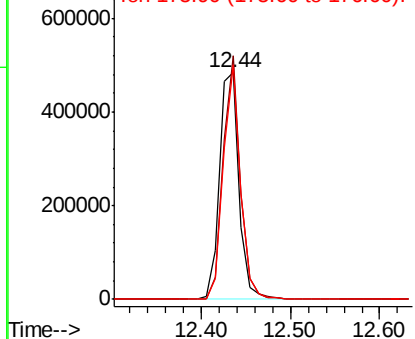
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060481.D
Acq: 4 Dec 2018 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBL01

Tot Ion: 95 Resp: 746129
Ion Ratio Lower Upper
95 100
174 107.5 0.0 160.8
176 103.7 0.0 154.6

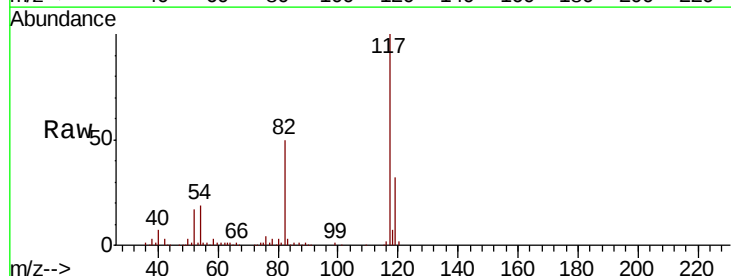


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

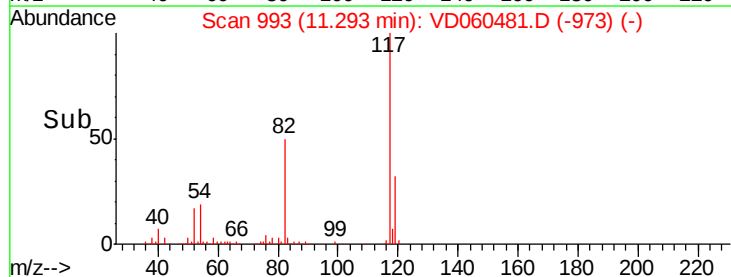
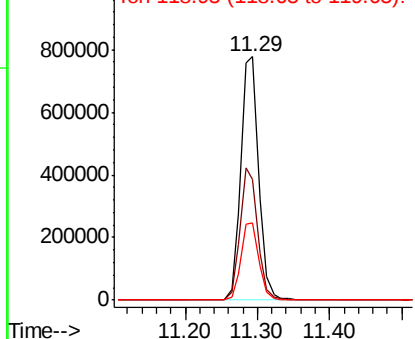


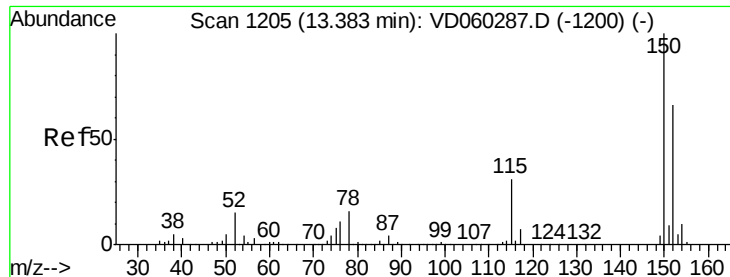
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060481.D
Acq: 4 Dec 2018 11:16

Tgt Ion: 117 Resp: 1351520
Ion Ratio Lower Upper
117 100
82 49.9 43.7 65.5
119 31.9 26.1 39.1



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



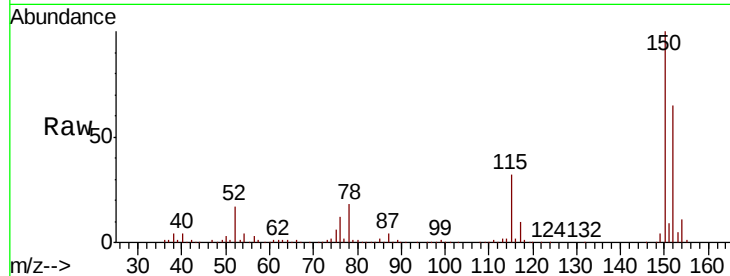


#72

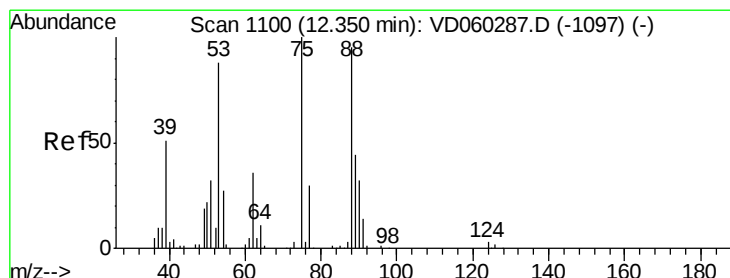
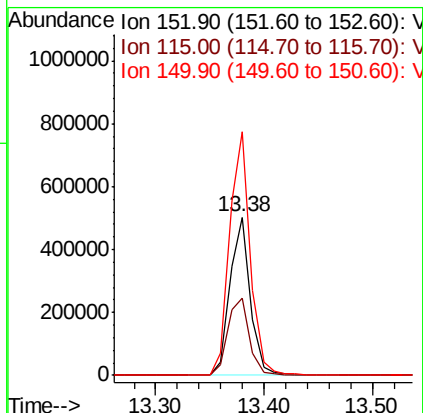
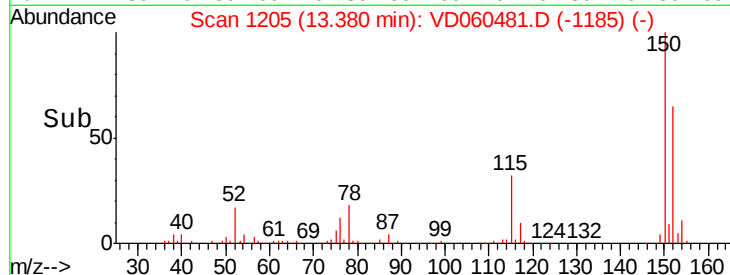
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060481.D
Acq: 4 Dec 2018 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBL01

Tot Ion:152 Resp: 657667
Ion Ratio Lower Upper
152 100
115 48.5 24.1 72.3
150 154.0 0.0 310.6



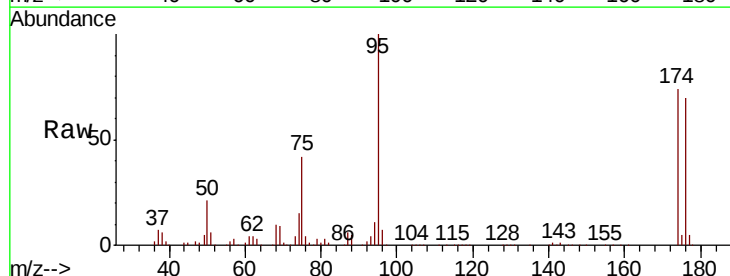
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 134.386 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.08 min
Lab File: VD060481.D
Acq: 4 Dec 2018 11:16

Tgt Ion: 75 Resp: 300995
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 34.1 51.1#



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

