

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060574.D
 Acq On : 14 Dec 2018 15:37
 Operator : VA/AP
 Sample : J6403-13
 Misc : 4.01g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:23:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

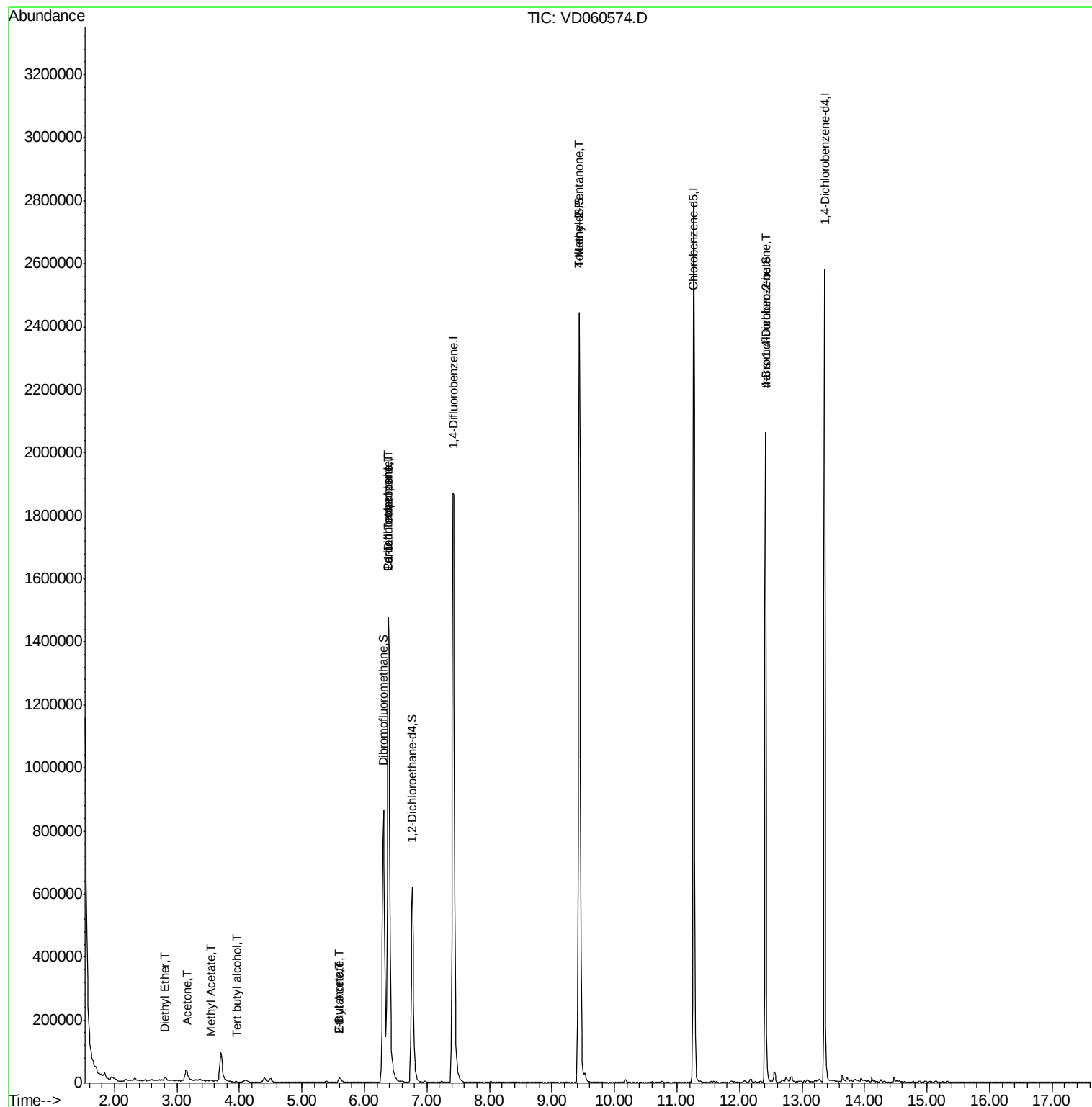
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1479931	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.43	114	2076369	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1492628	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	580128	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	502996	47.95	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	6.30	113	692282	45.39	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	90.78%	
50) Toluene-d8	9.43	98	1954443	44.28	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.56%	
62) 4-Bromofluorobenzene	12.42	95	582590	36.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	73.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.59	85	260	Below Cal	#	41
8) Diethyl Ether	2.82	74	3529	1.458	ug/l	85
11) Tert butyl alcohol	3.94	59	958	2.248	ug/l #	73
16) Acetone	3.16	43	81710	48.596	ug/l	94
18) Methyl Acetate	3.54	43	4130	1.034	ug/l #	64
20) Methylene Chloride	3.71	84	61378	Below Cal		98
25) 2-Butanone	5.60	43	30683	9.275	ug/l	94
31) Cyclohexane	6.38	56	29911	Below Cal	#	1
36) 1,1-Dichloropropene	6.38	75	104708	5.159	ug/l #	46
37) Ethyl Acetate	5.60	43	30683	3.486	ug/l #	68
38) Carbon Tetrachloride	6.38	117	110023	6.038	ug/l #	16
51) 4-Methyl-2-Pentanone	9.43	43	11708	1.732	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.42	75	237337	129.459	ug/l #	14
89) n-Butylbenzene	13.64	91	596	Below Cal	#	29

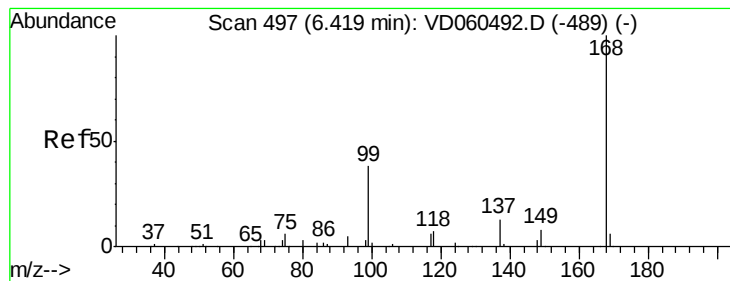
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121418\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

Instrument :

MSVOA_D

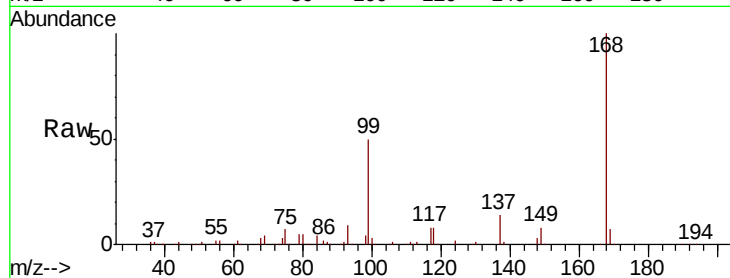
ClientSampleId :

Tot Ion:168 Resp: 1479931

Ion Ratio Lower Upper

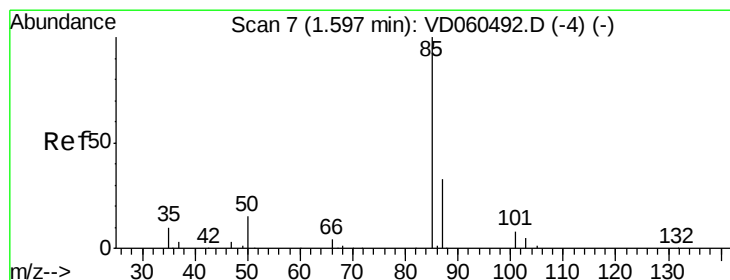
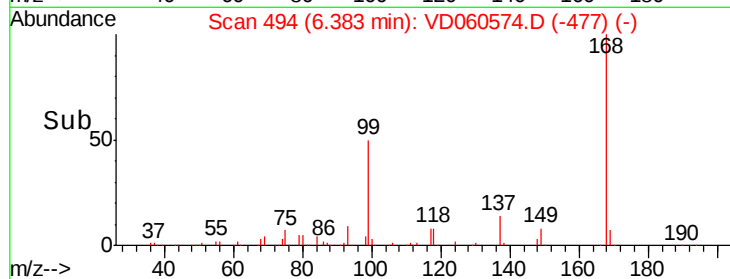
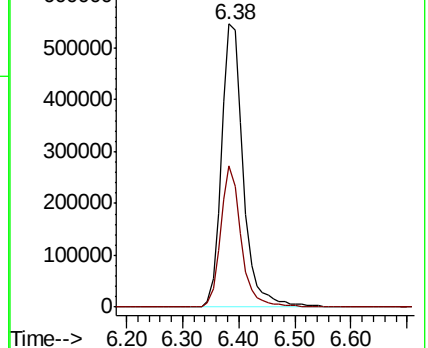
168 100

99 49.8 35.6 53.4



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: 1.59 min Scan# 7

Delta R.T. -0.01 min

Lab File: VD060574.D

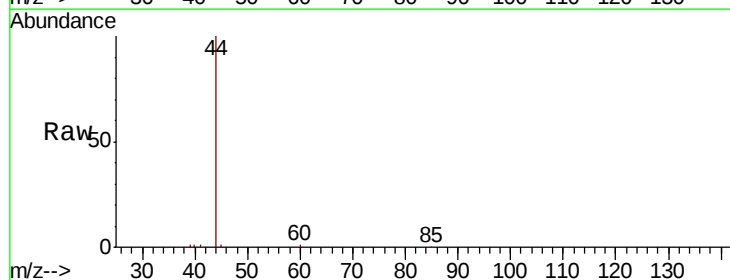
Acq: 14 Dec 2018 15:37

Tgt Ion: 85 Resp: 260

Ion Ratio Lower Upper

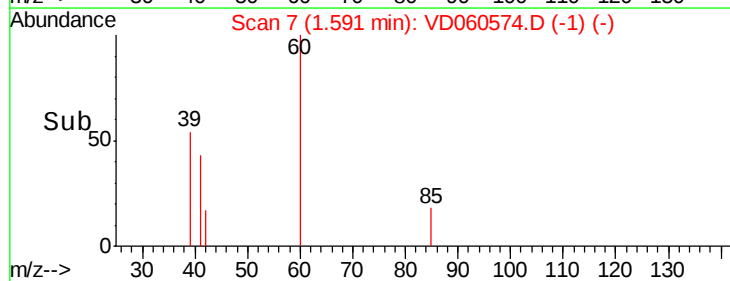
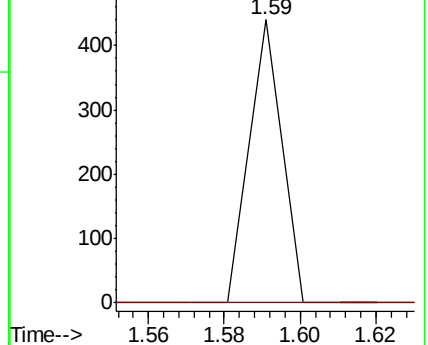
85 100

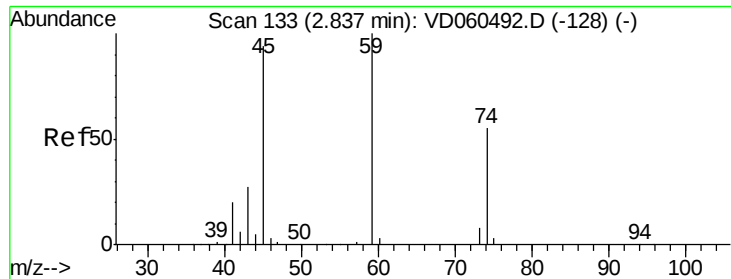
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 1.458 ug/l

RT: 2.82 min Scan# 132

Delta R.T. -0.02 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

Instrument :

MSVOA_D

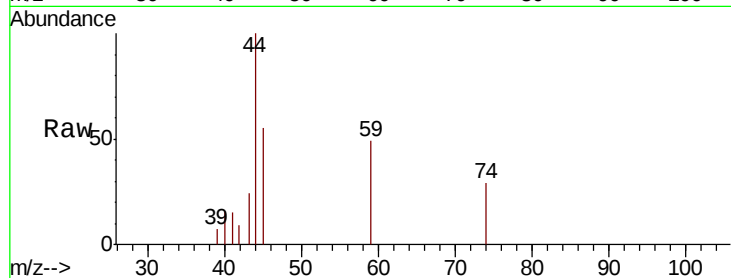
ClientSampleId :

Tot Ion: 74 Resp: 3529

Ion Ratio Lower Upper

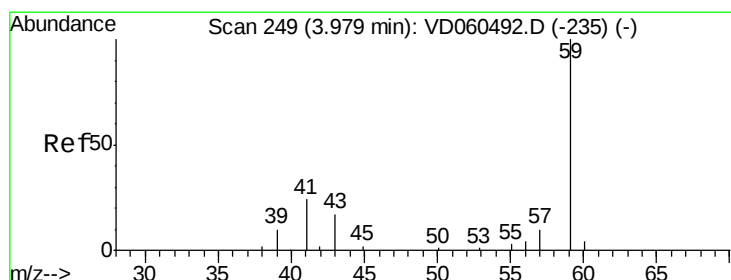
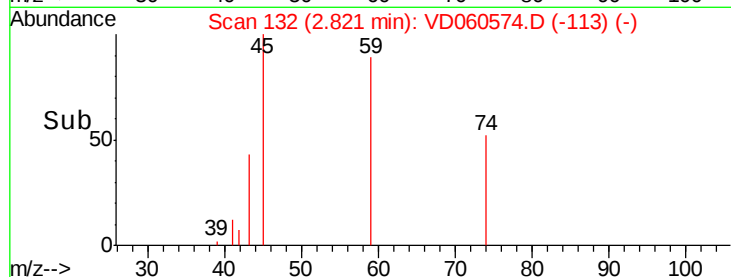
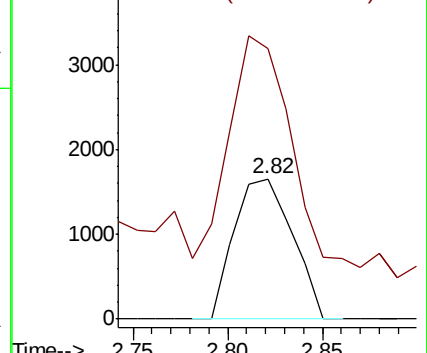
74 100

45 192.8 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 2.248 ug/l

RT: 3.94 min Scan# 246

Delta R.T. -0.04 min

Lab File: VD060574.D

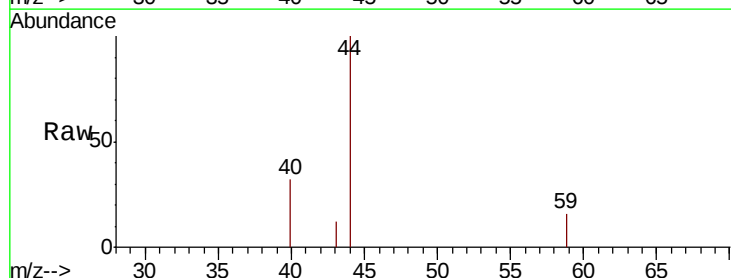
Acq: 14 Dec 2018 15:37

Tgt Ion: 59 Resp: 958

Ion Ratio Lower Upper

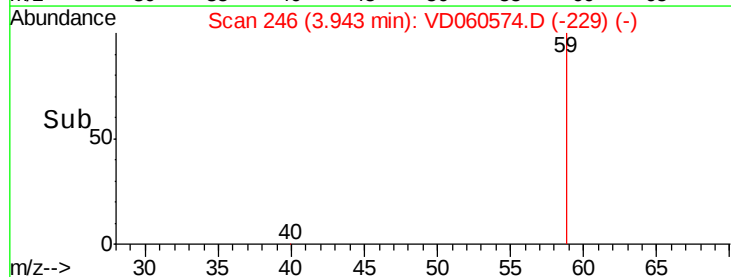
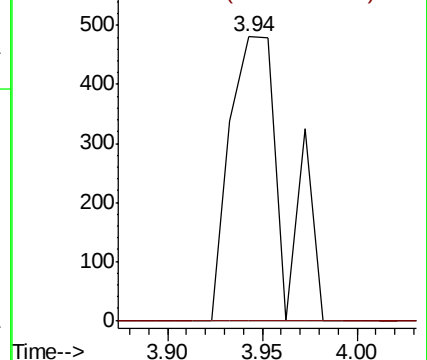
59 100

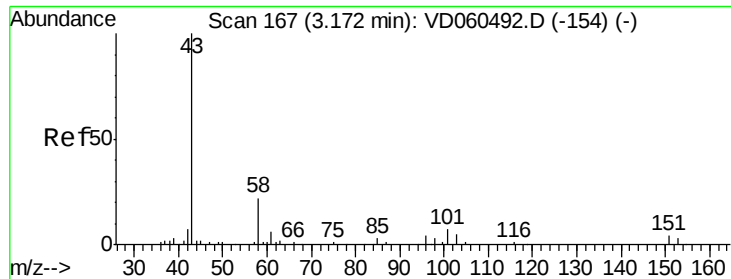
57 0.0 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

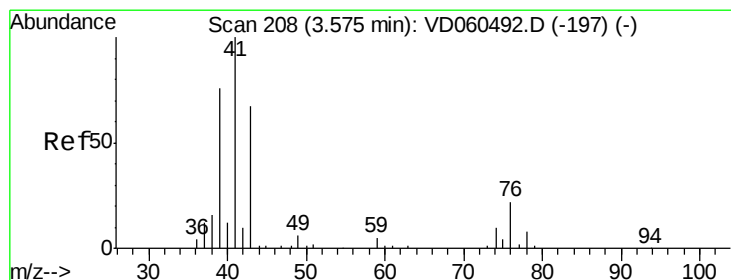
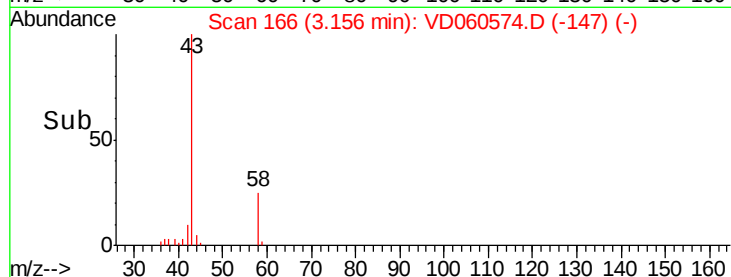
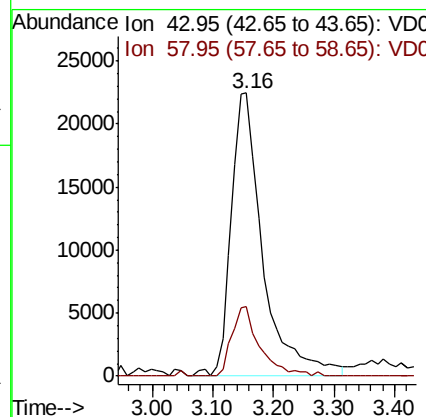
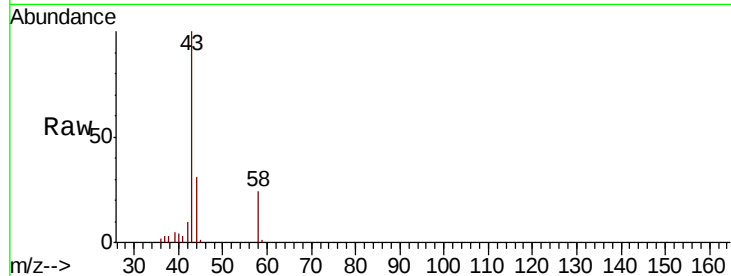




#16
Acetone
Concen: 48.596 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.02 min
Lab File: VD060574.D
Acq: 14 Dec 2018 15:37

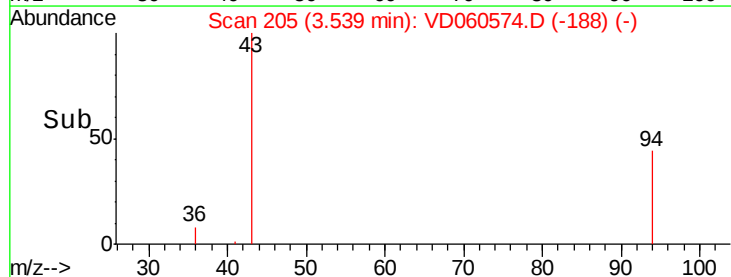
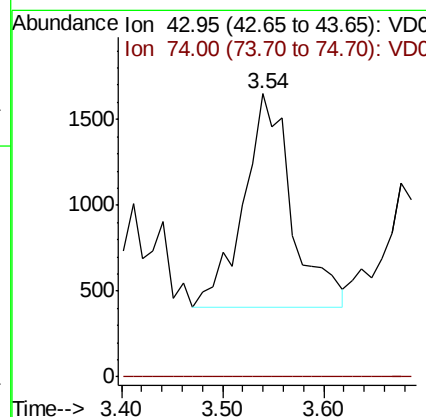
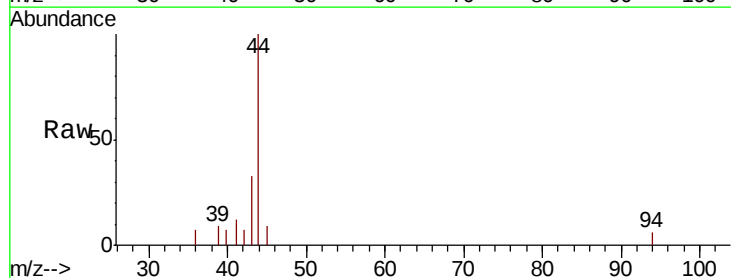
Instrument :
MSVOA_D
ClientSampleId :

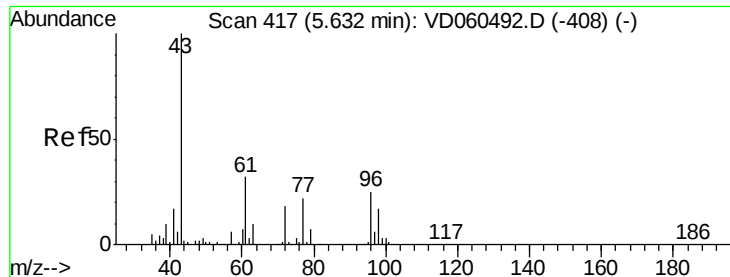
Tot Ion: 43 Resp: 81710
Ion Ratio Lower Upper
43 100
58 24.4 17.3 25.9



#18
Methyl Acetate
Concen: 1.034 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.04 min
Lab File: VD060574.D
Acq: 14 Dec 2018 15:37

Tgt Ion: 43 Resp: 4130
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#





#25

2-Butanone

Concen: 9.275 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

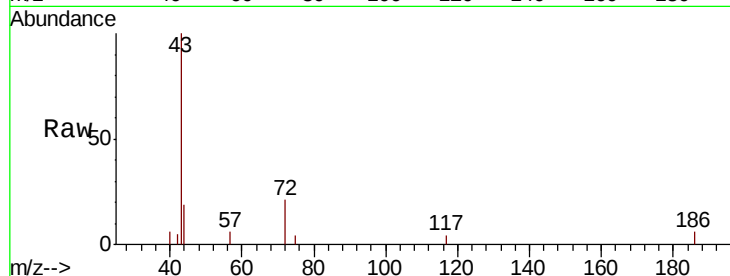
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 30683

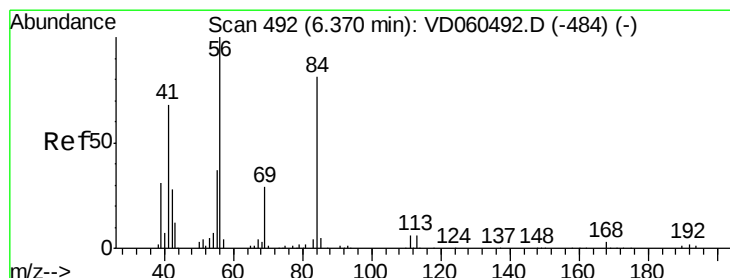
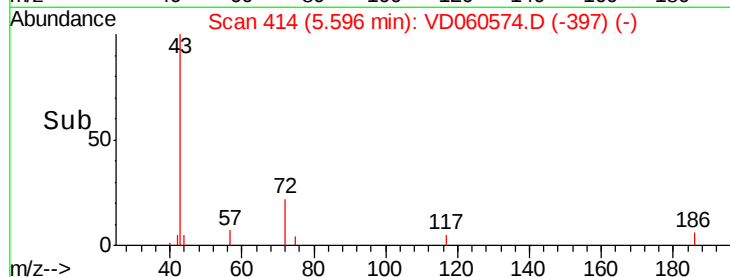
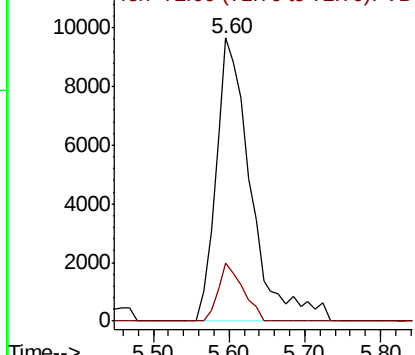
Ion Ratio Lower Upper

43 100

72 20.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.38 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

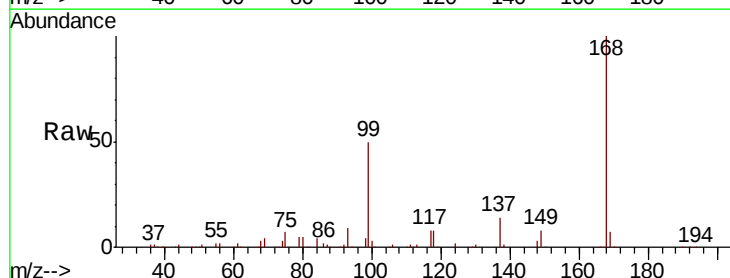
Tgt Ion: 56 Resp: 29911

Ion Ratio Lower Upper

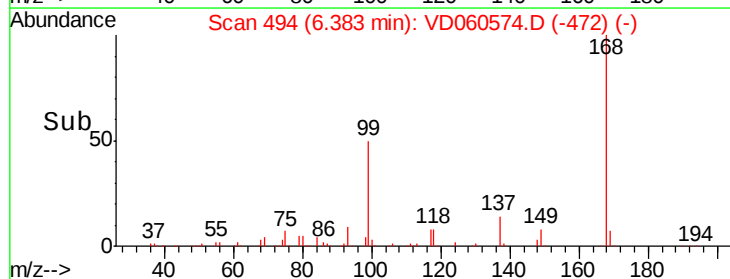
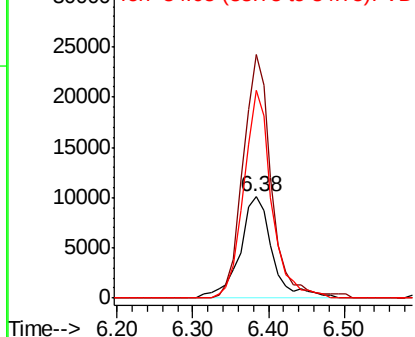
56 100

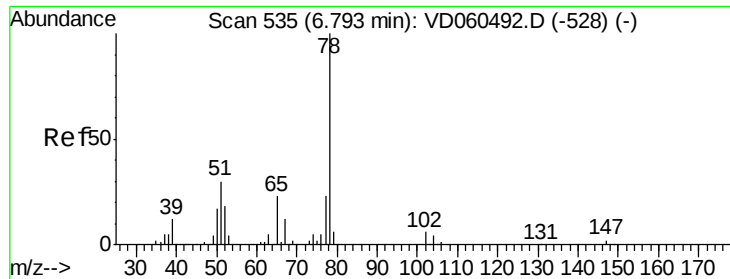
69 240.3 22.8 34.2#

84 204.5 65.1 97.7#



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: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

Instrument :

MSVOA_D

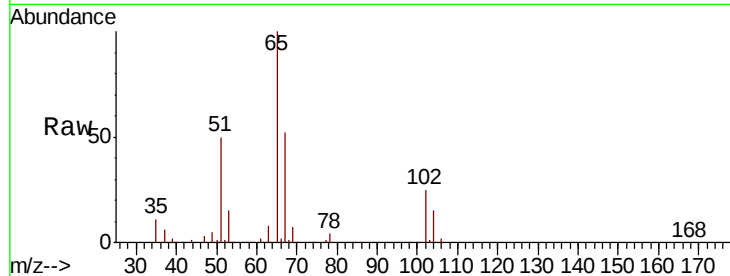
ClientSampleId :

Tot Ion: 65 Resp: 502996

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

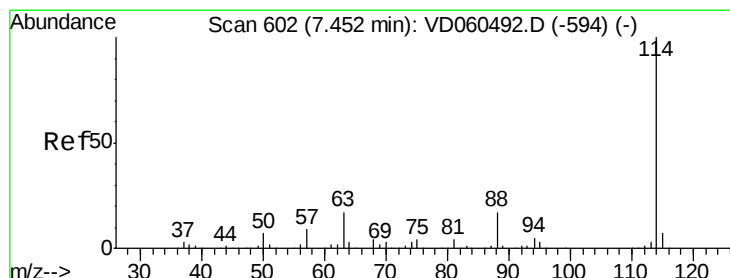
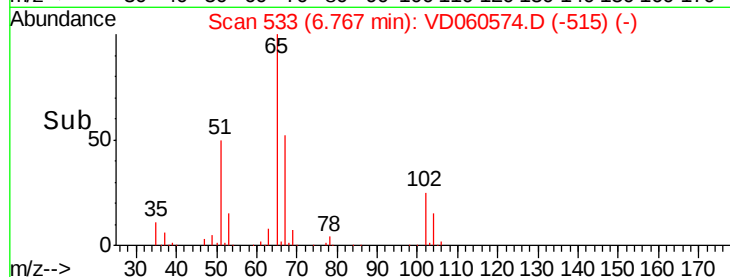
50000

0

6.77

6.60 6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

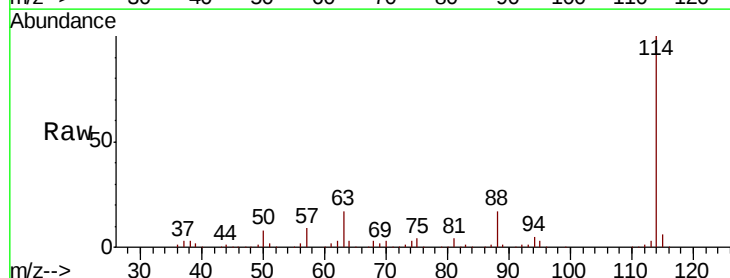
Tgt Ion:114 Resp: 2076369

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.2

88 17.5 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

1000000

800000

600000

400000

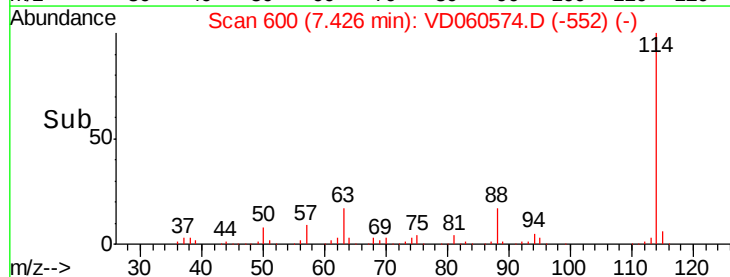
200000

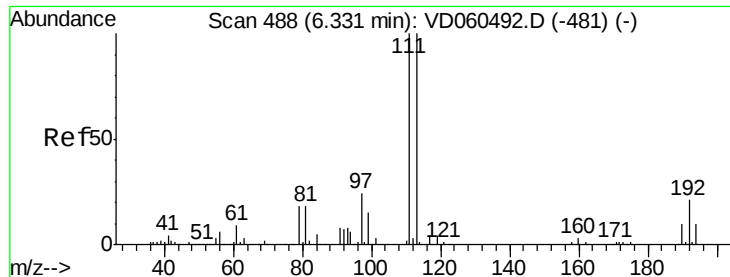
0

7.43

7.20 7.40 7.60

Time-->

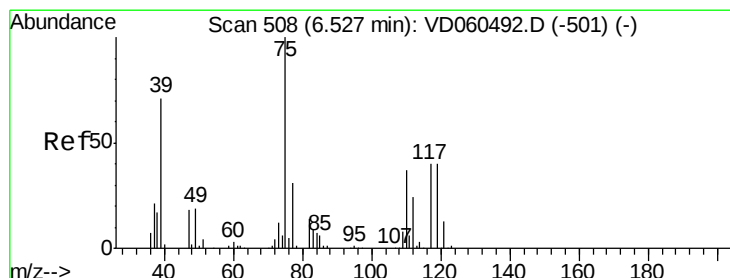
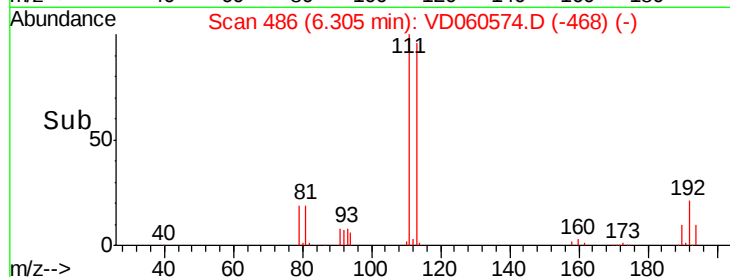
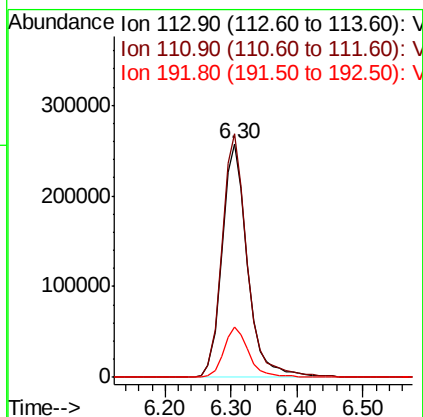
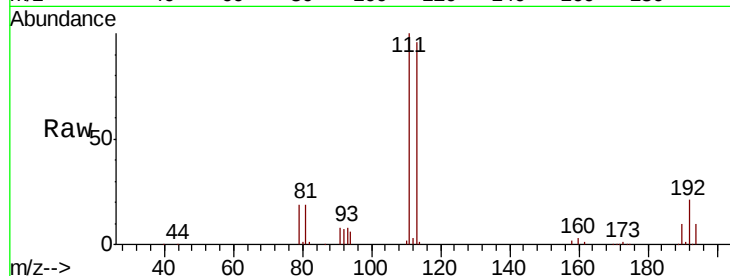




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060574.D
 Acq: 14 Dec 2018 15:37

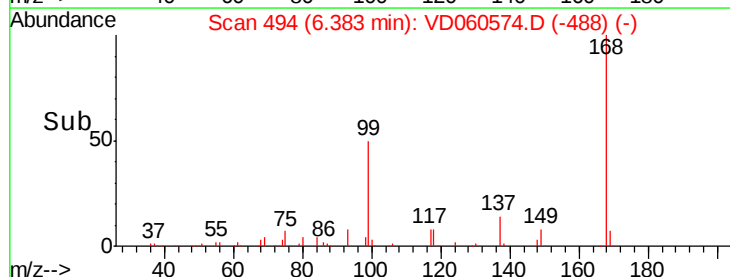
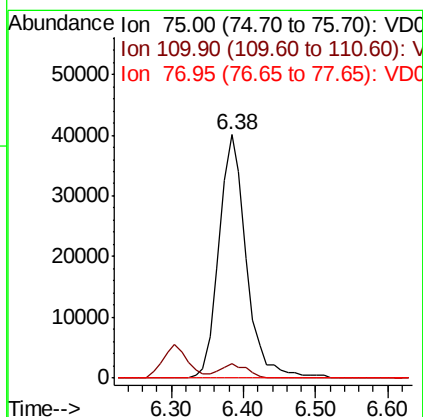
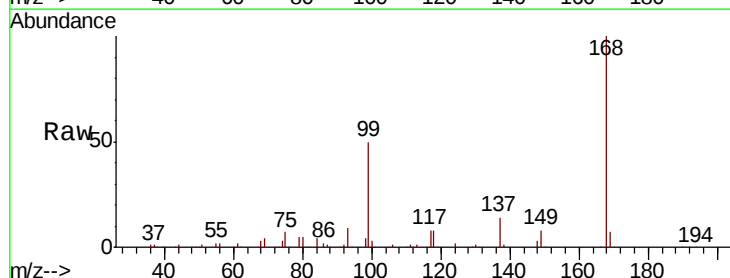
Instrument :
 MSVOA_D
 ClientSampleId :

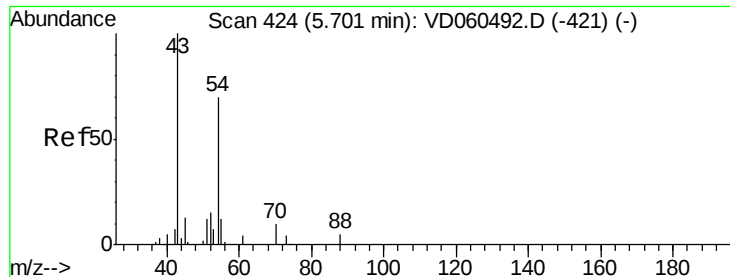
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.2	120.4
192	21.5	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 5.159 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060574.D
 Acq: 14 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.8	18.3	54.8#
77	0.0	24.6	37.0#





#37

Ethyl Acetate

Concen: 3.486 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.10 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

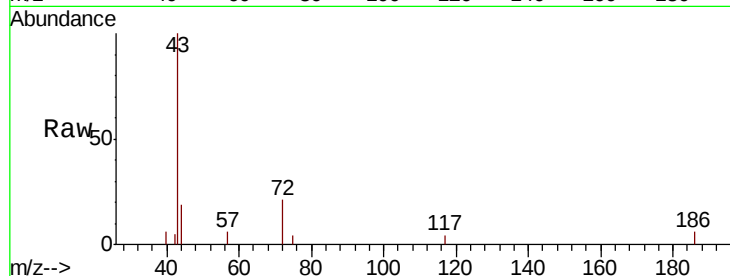
Tot Ion: 43 Resp: 30683

Ion Ratio Lower Upper

43 100

61 0.0 12.4 18.6#

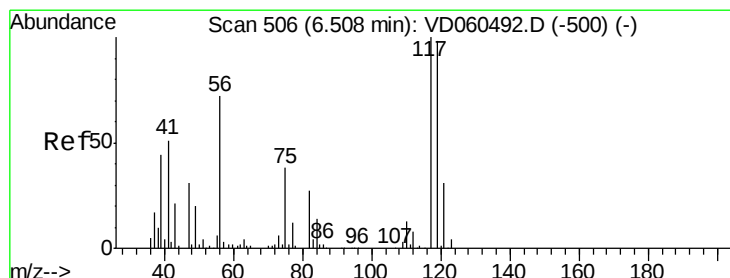
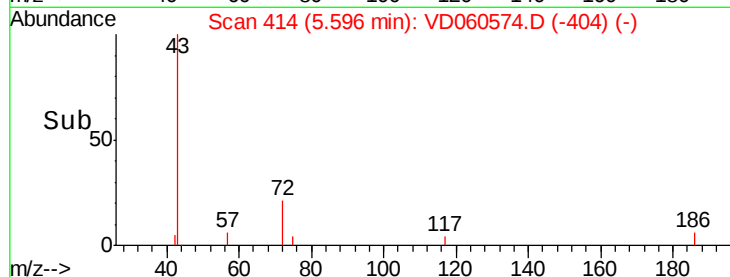
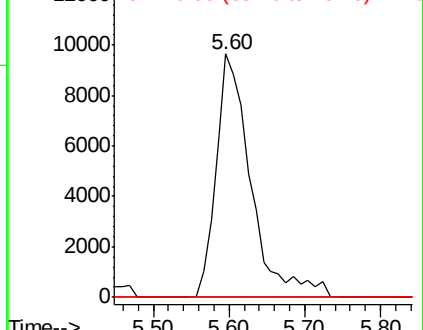
70 0.0 5.4 8.0#



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: 6.038 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.12 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

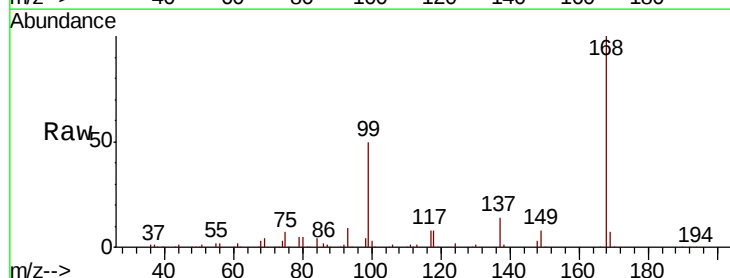
Tgt Ion: 117 Resp: 110023

Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

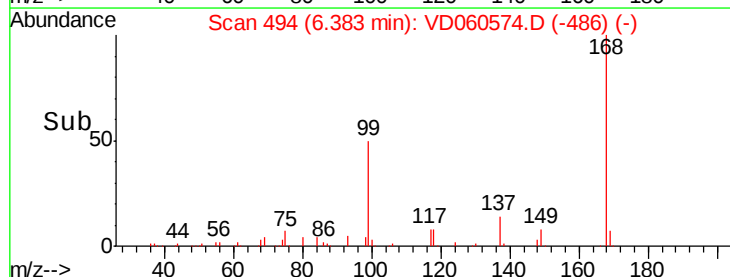
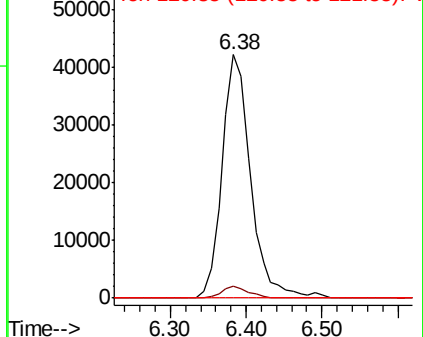
121 0.0 24.4 36.6#

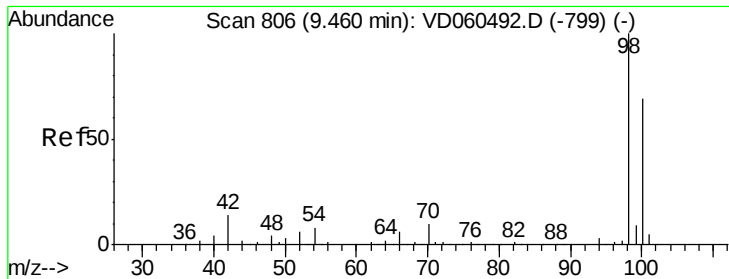


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

Instrument :

MSVOA_D

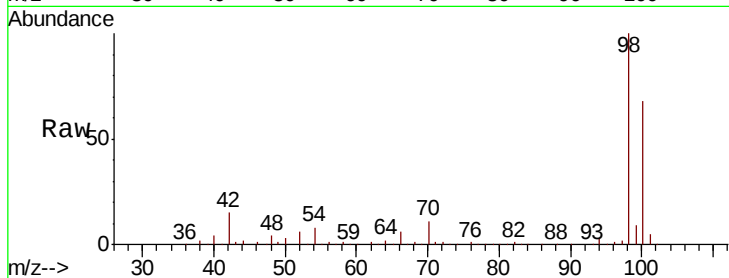
ClientSampled :

Tot Ion: 98 Resp: 1954443

Ion Ratio Lower Upper

98 100

100 68.3 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.43

800000

600000

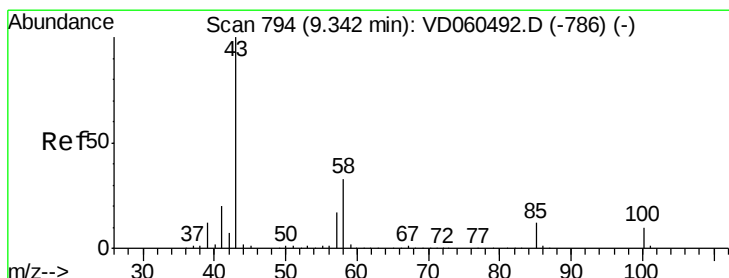
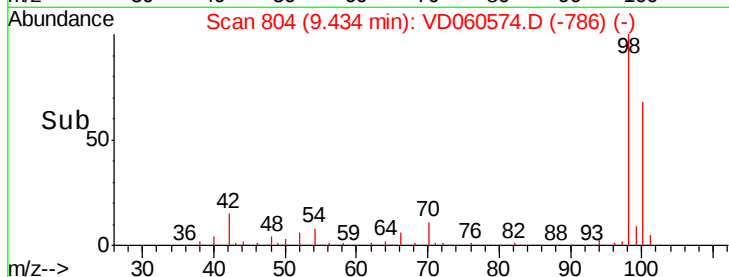
400000

200000

0

9.30 9.40 9.50 9.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.732 ug/l

RT: 9.43 min Scan# 804

Delta R.T. 0.09 min

Lab File: VD060574.D

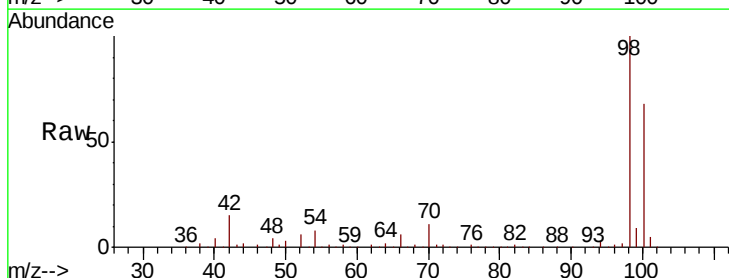
Acq: 14 Dec 2018 15:37

Tgt Ion: 43 Resp: 11708

Ion Ratio Lower Upper

43 100

58 132.6 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.43

6000

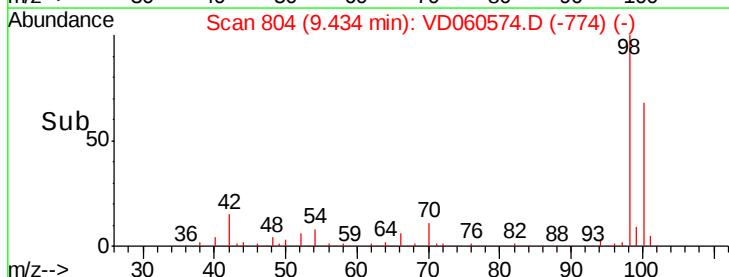
4000

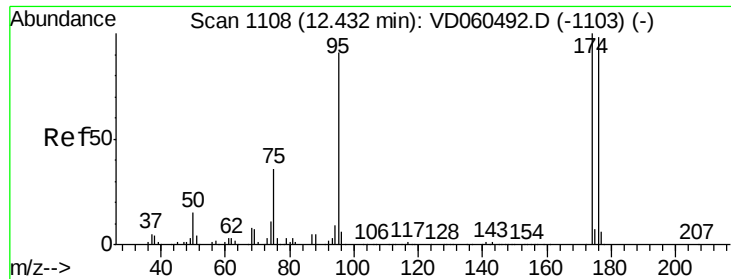
2000

0

9.35 9.40 9.45 9.50

Time-->

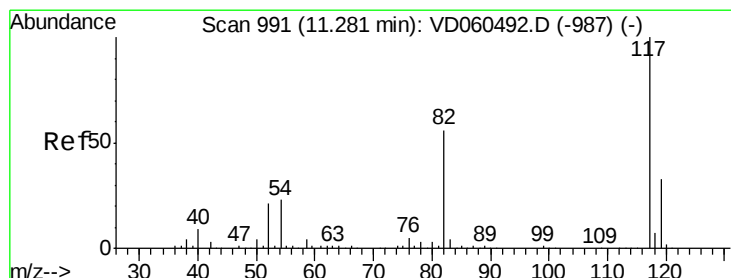
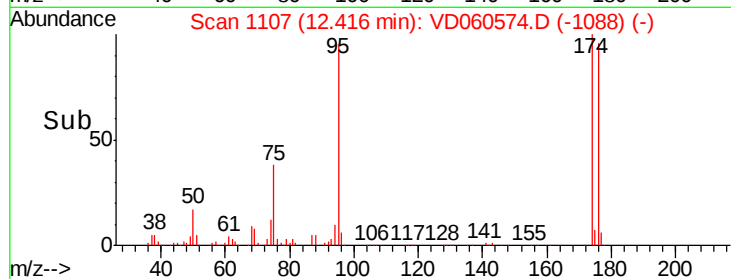
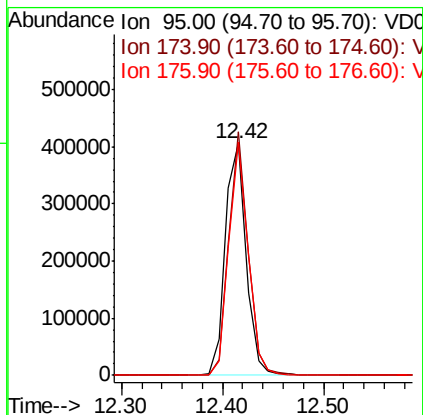
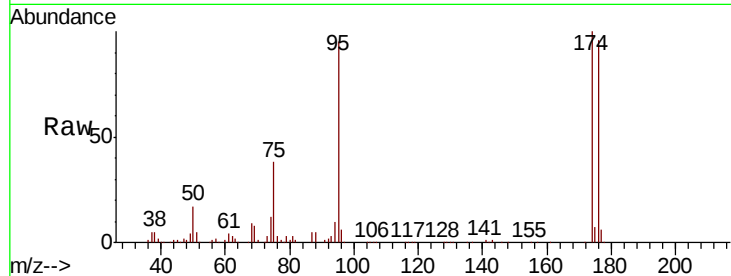




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060574.D
Acq: 14 Dec 2018 15:37

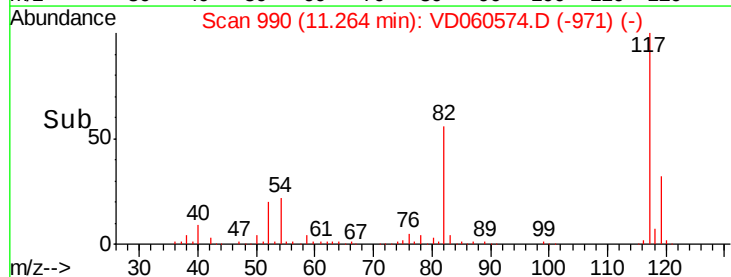
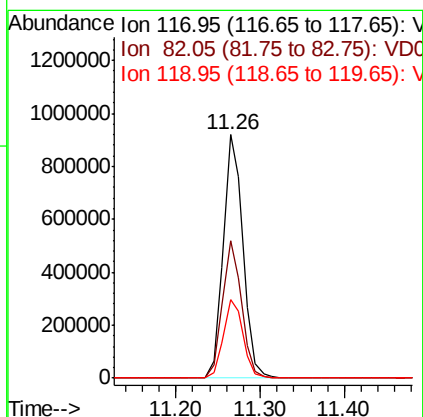
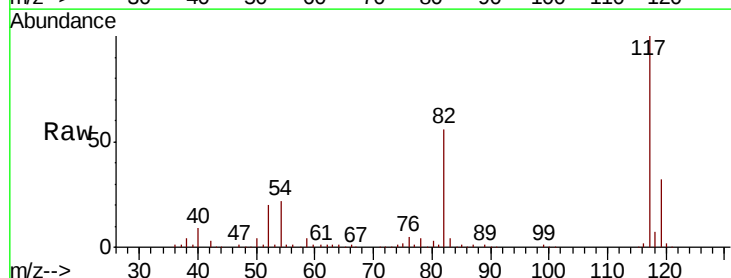
Instrument :
MSVOA_D
ClientSampled :

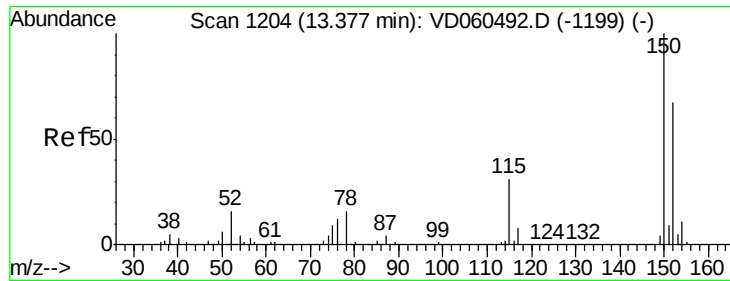
Tot Ion: 95 Resp: 582590
Ion Ratio Lower Upper
95 100
174 105.1 0.0 219.4
176 100.6 0.0 214.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD060574.D
Acq: 14 Dec 2018 15:37

Tgt Ion: 117 Resp: 1492628
Ion Ratio Lower Upper
117 100
82 56.4 45.2 67.8
119 32.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

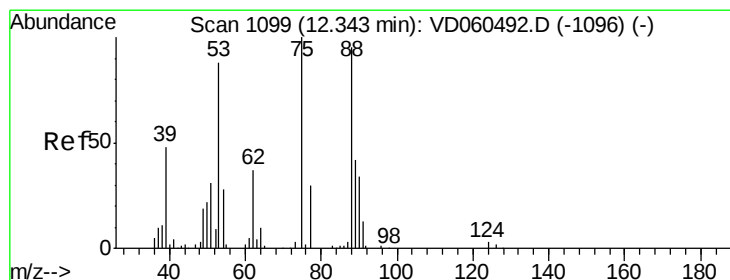
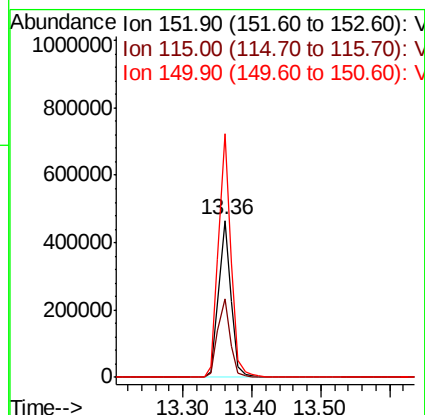
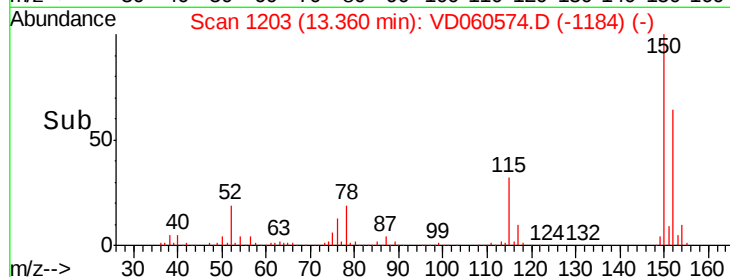
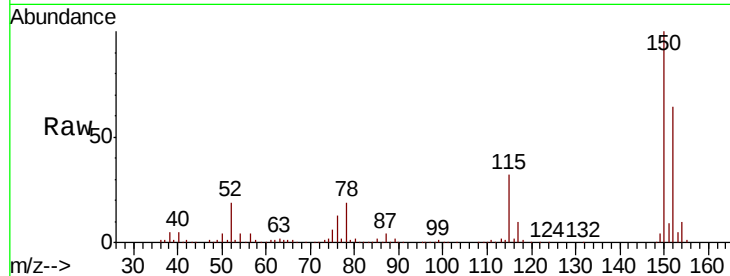
Tot Ion:152 Resp: 580128

Ion Ratio Lower Upper

152 100

115 50.4 24.6 74.0

150 155.5 0.0 309.0



#81

trans-1,4-Dichloro-2-butene

Concen: 129.459 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060574.D

Acq: 14 Dec 2018 15:37

Tgt Ion: 75 Resp: 237337

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#

