

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060189.D
 Acq On : 24 Oct 2018 18:39
 Operator : JC/SY
 Sample : J5198-29
 Misc : 5.82/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-102318-E

Quant Time: Oct 25 03:36:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	855544	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1320238	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.27	117	1037564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	520443	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	522920	80.63	ug/l	0.02
Spiked Amount			Recovery	=	161.26%	
35) Dibromofluoromethane	6.31	113	558551	55.71	ug/l	0.02
Spiked Amount			Recovery	=	111.42%	
50) Toluene-d8	9.44	98	1190335	41.64	ug/l	0.00
Spiked Amount			Recovery	=	83.28%	
62) 4-Bromofluorobenzene	12.43	95	516040	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

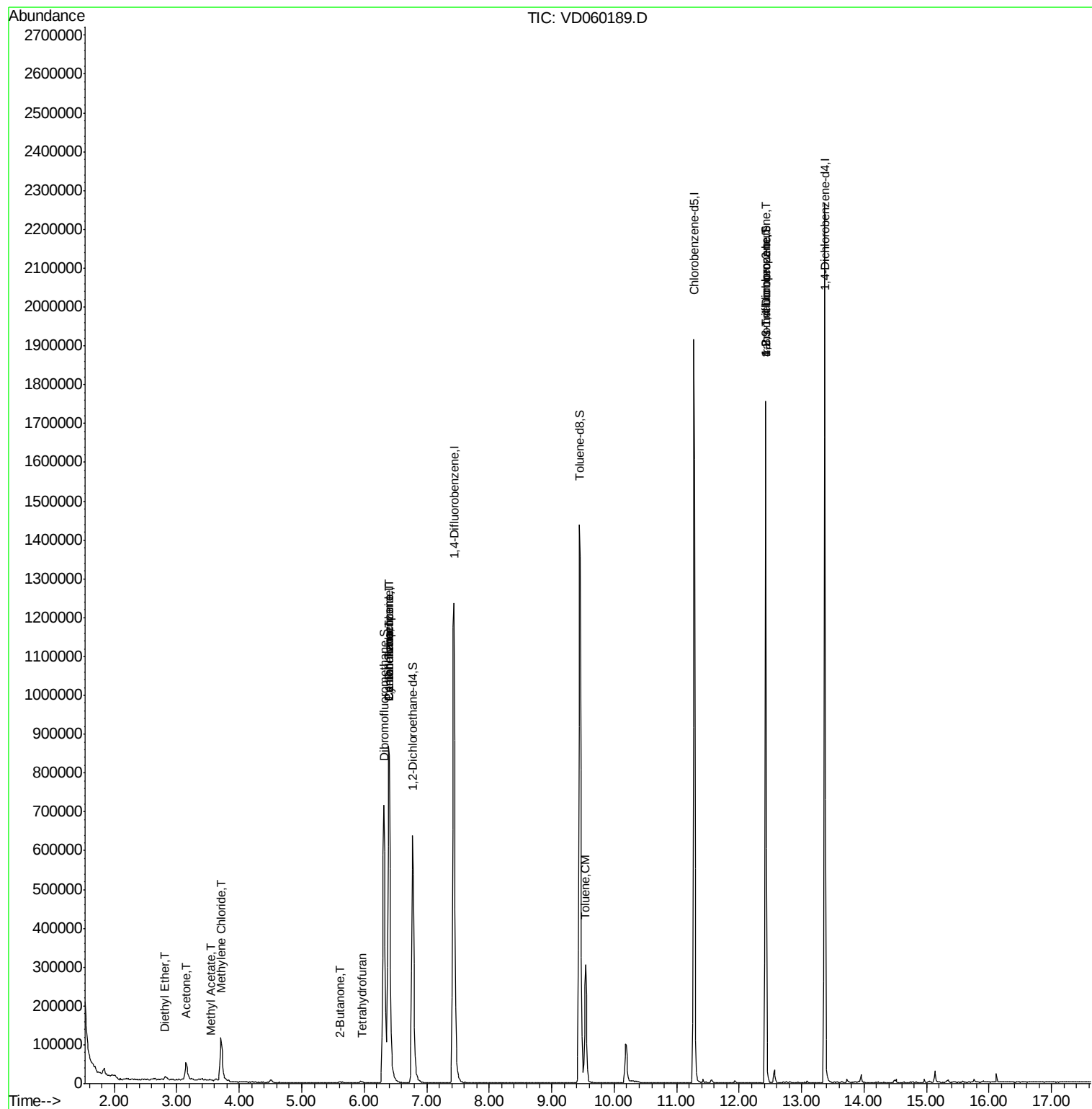
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	3012	2.060	ug/l	97
16) Acetone	3.15	43	88912	75.557	ug/l	97
18) Methyl Acetate	3.55	43	2969	1.174	ug/l #	63
20) Methylene Chloride	3.71	84	72212	3.824	ug/l	93
25) 2-Butanone	5.61	43	4088	1.391	ug/l #	59
29) Tetrahydrofuran	5.96	42	3299	1.932	ug/l #	64
31) Cyclohexane	6.39	56	16648	1.185	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	59307	4.701	ug/l #	46
38) Carbon Tetrachloride	6.39	117	66466	5.805	ug/l #	16
52) Toluene	9.54	92	151184	7.112	ug/l	96
76) 1,2,3-Trichloropropane	12.42	75	196102	26.164	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	217792	103.415	ug/l #	13

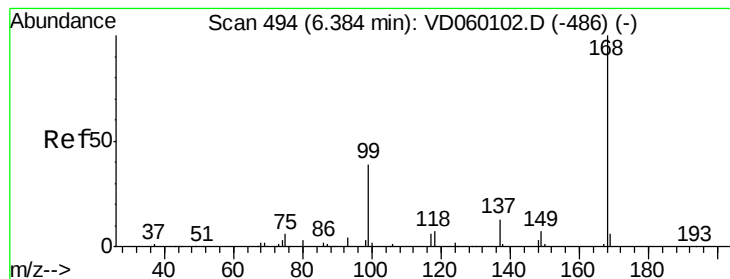
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

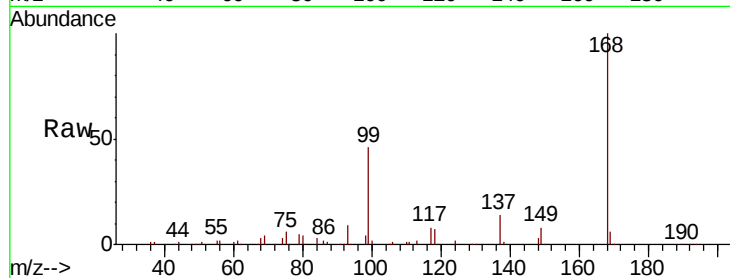
CL-01-102318-E

Tot Ion:168 Resp: 855544

Ion Ratio Lower Upper

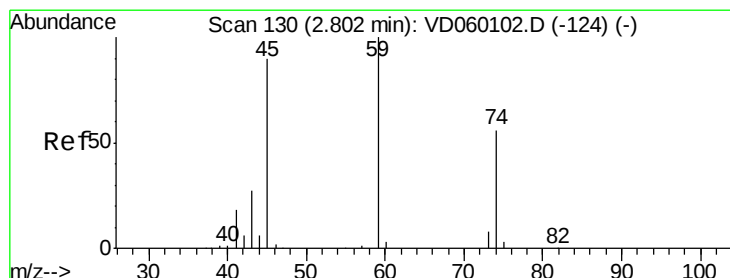
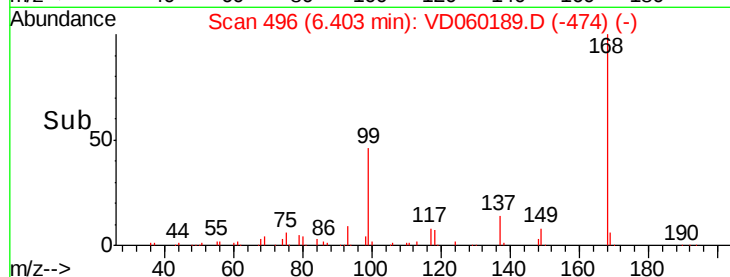
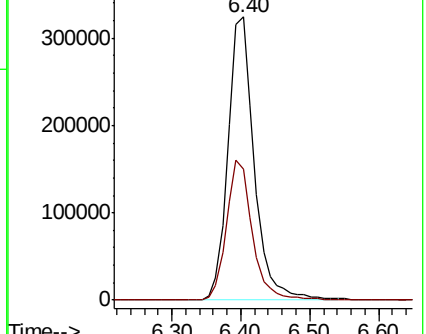
168 100

99 46.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.060 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060189.D

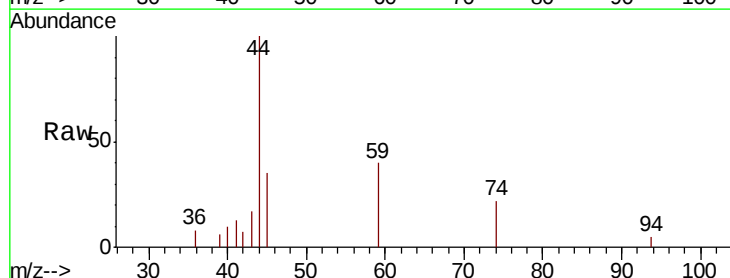
Acq: 24 Oct 2018 18:39

Tgt Ion: 74 Resp: 3012

Ion Ratio Lower Upper

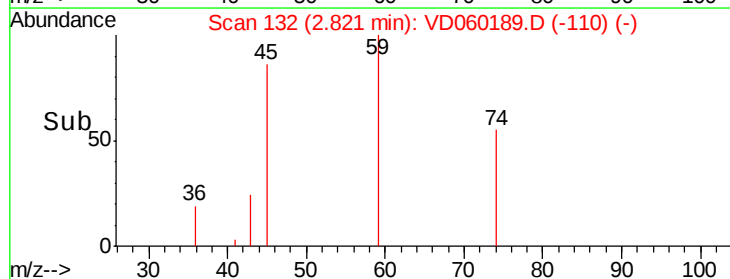
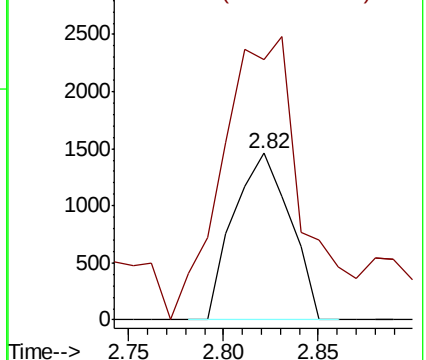
74 100

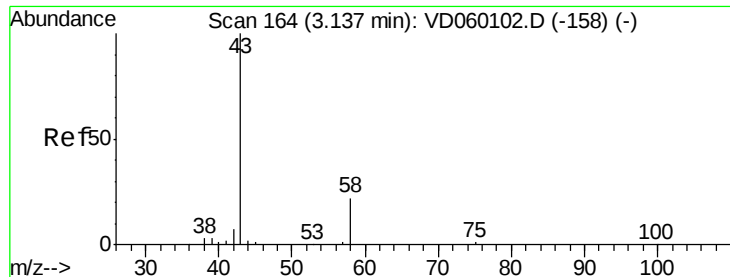
45 156.3 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 75.557 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

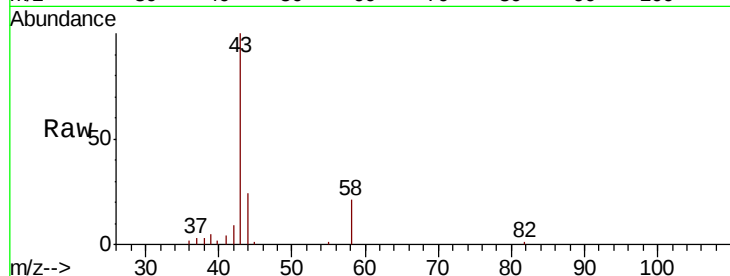
CL-01-102318-E

Tot Ion: 43 Resp: 88912

Ion Ratio Lower Upper

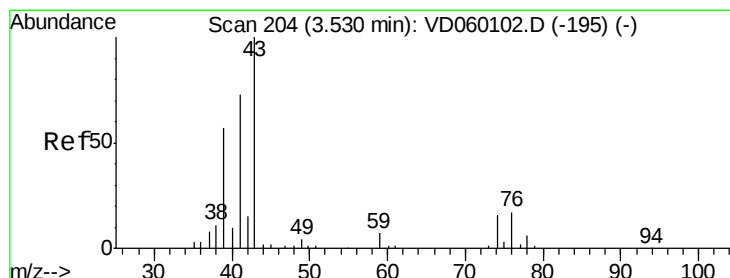
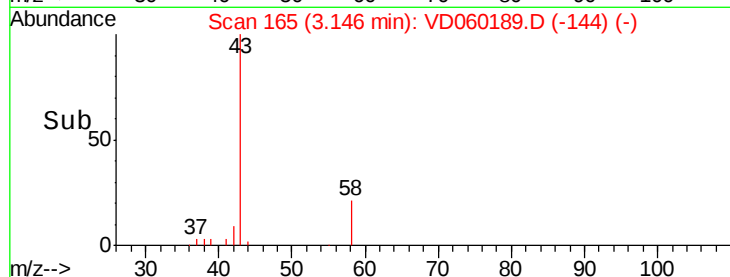
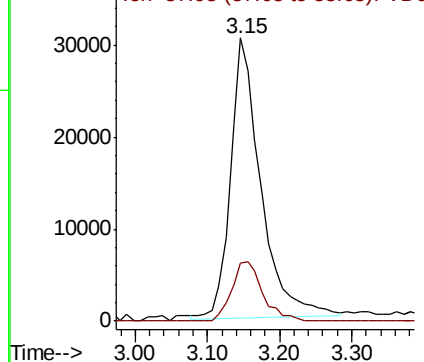
43 100

58 20.6 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.174 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060189.D

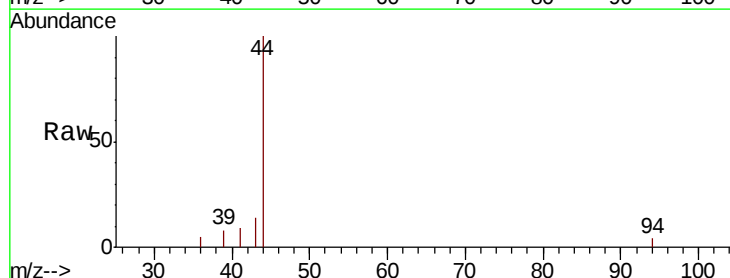
Acq: 24 Oct 2018 18:39

Tgt Ion: 43 Resp: 2969

Ion Ratio Lower Upper

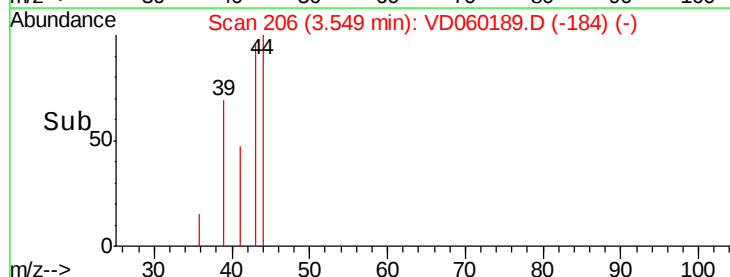
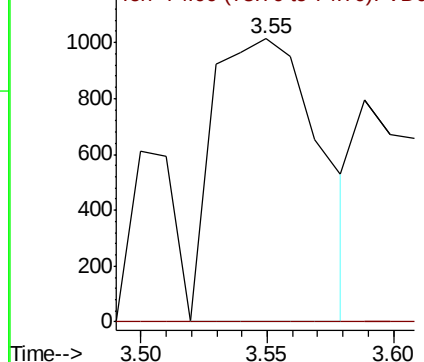
43 100

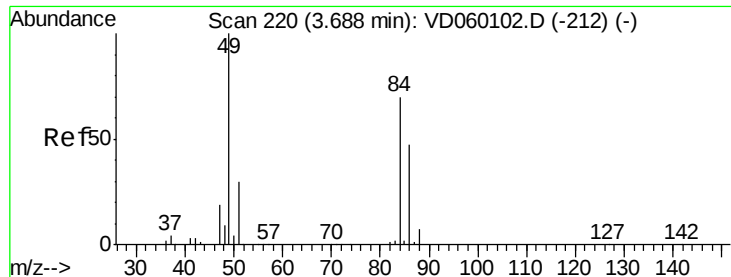
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

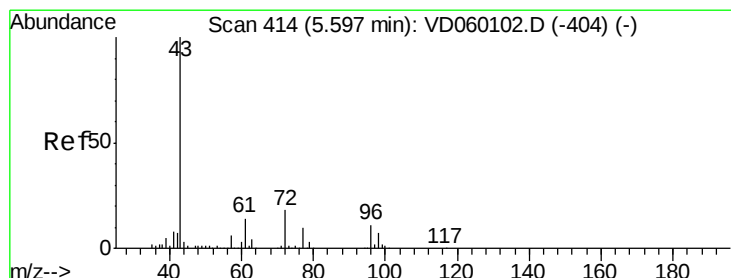
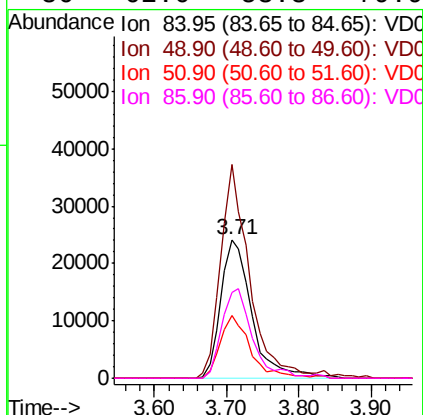
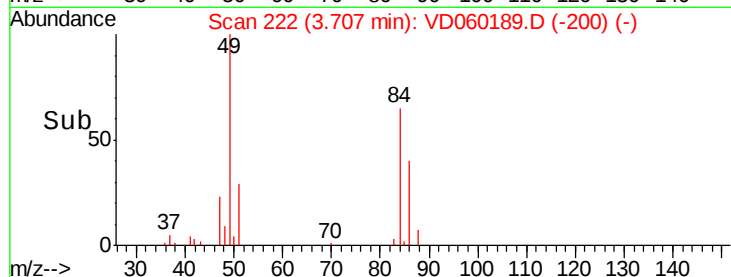
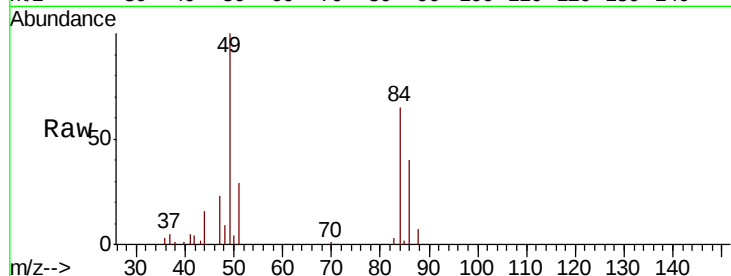




#20
Methvlene Chloride
Concen: 3.824 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060189.D
Acq: 24 Oct 2018 18:39

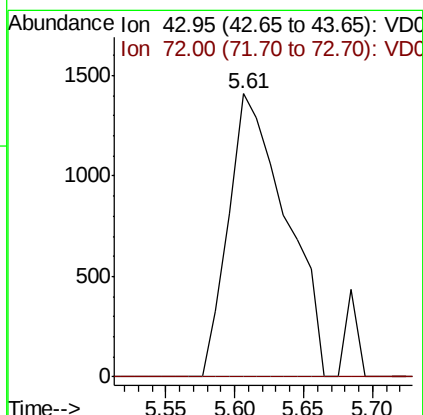
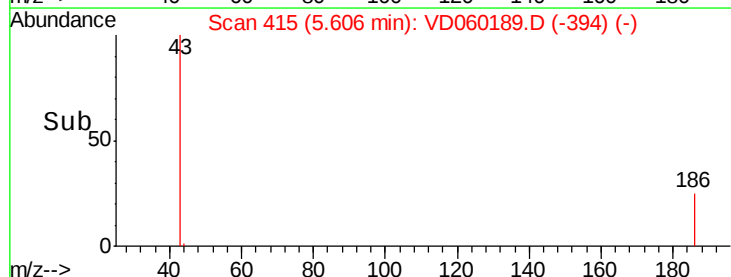
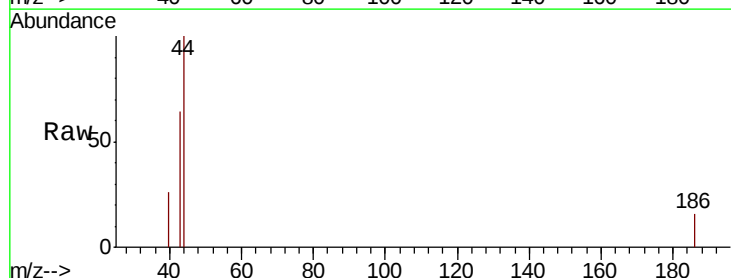
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102318-E

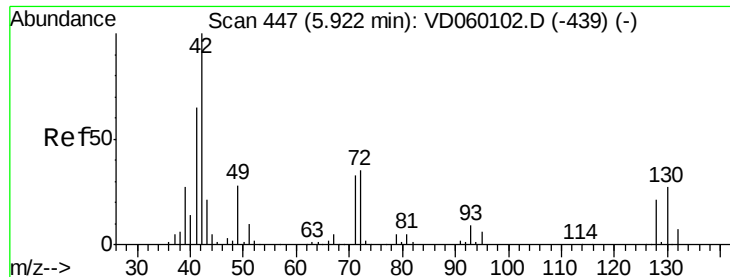
Tot Ion: 84 Resp: 72212
Ion Ratio Lower Upper
84 100
49 154.1 114.6 172.0
51 44.9 33.8 50.8
86 62.0 53.3 79.9



#25
2-Butanone
Concen: 1.391 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.01 min
Lab File: VD060189.D
Acq: 24 Oct 2018 18:39

Tgt Ion: 43 Resp: 4088
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#





#29

Tetrahydrofuran

Concen: 1.932 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102318-E

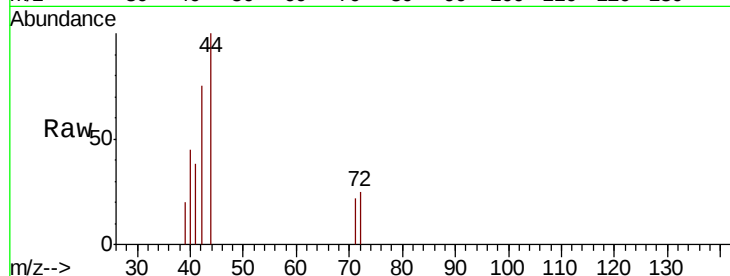
Tot Ion: 42 Resp: 3299

Ion Ratio Lower Upper

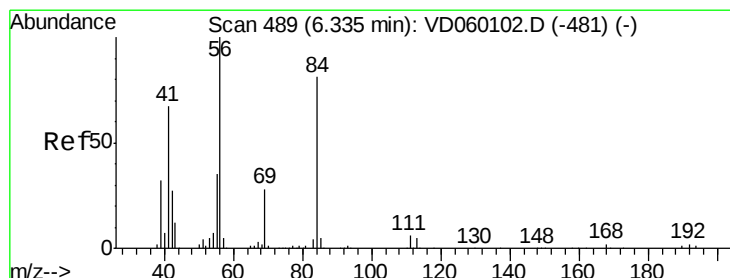
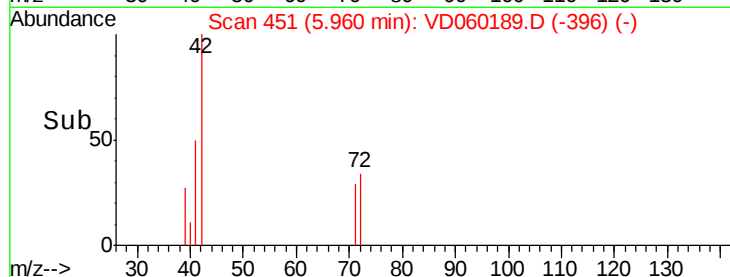
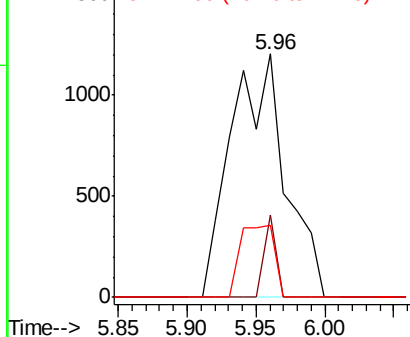
42 100

72 7.3 26.9 40.3#

71 18.7 26.7 40.1#



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: 1.185 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

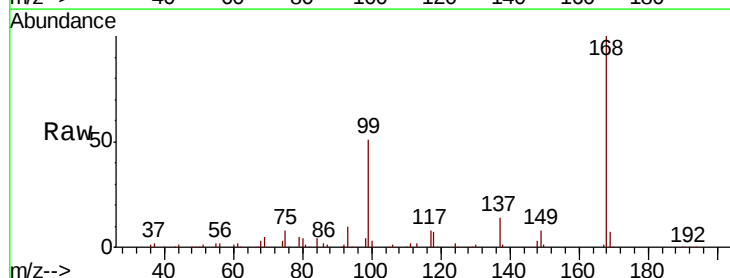
Tgt Ion: 56 Resp: 16648

Ion Ratio Lower Upper

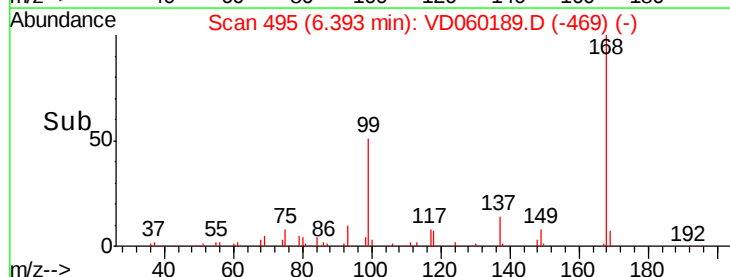
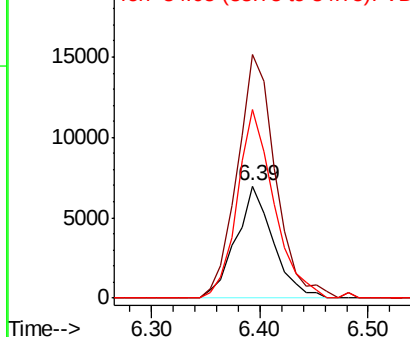
56 100

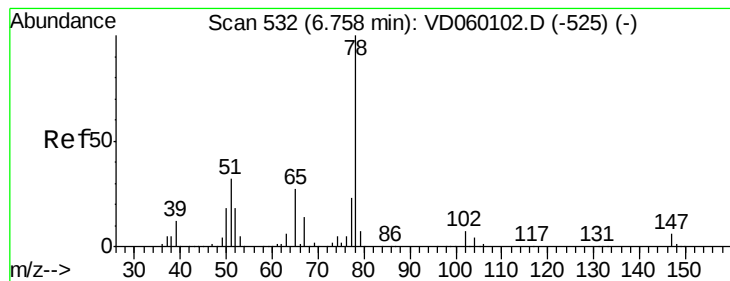
69 216.8 22.8 34.2#

84 167.9 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: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

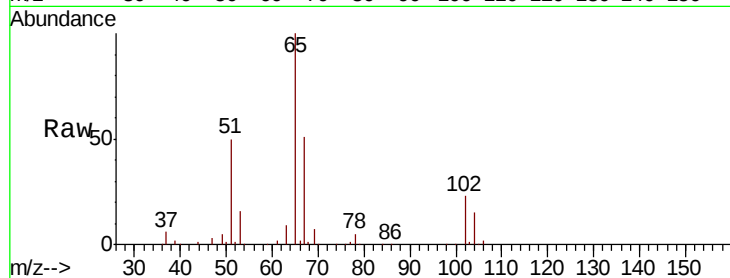
CL-01-102318-E

Tot Ion: 65 Resp: 522920

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

200000

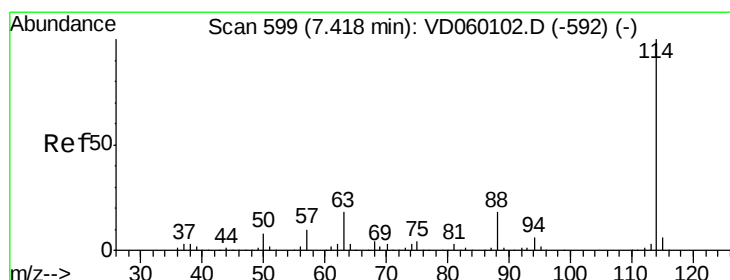
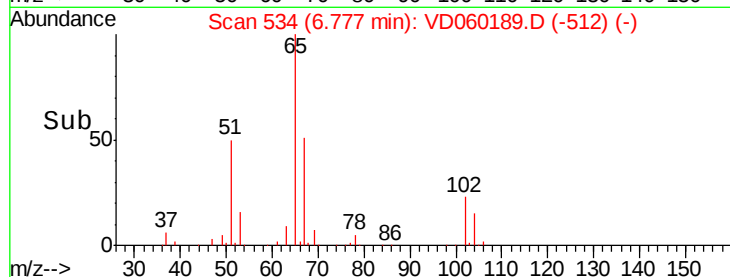
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

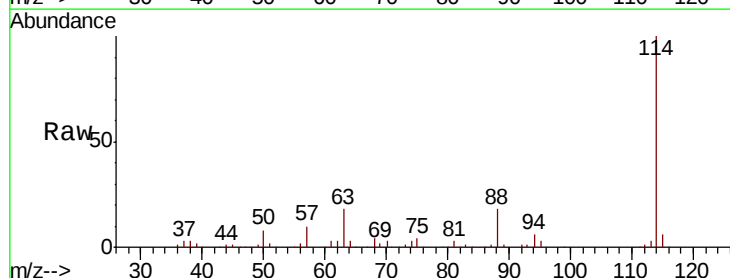
Tgt Ion: 114 Resp: 1320238

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.0

88 18.0 0.0 36.2



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

7.44

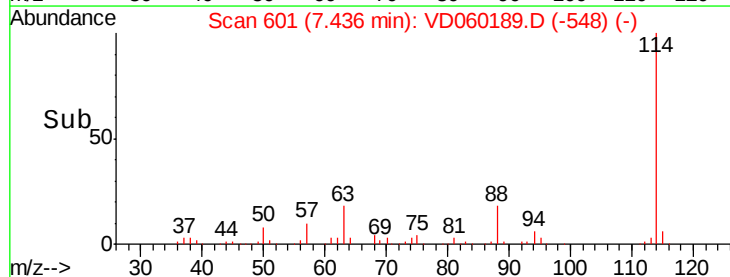
600000

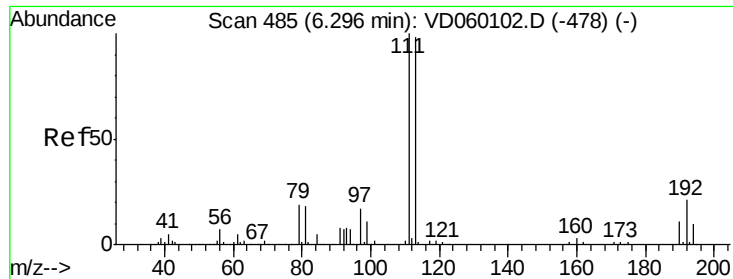
400000

200000

0

Time--> 7.40 7.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

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ClientSampleId :

CL-01-102318-E

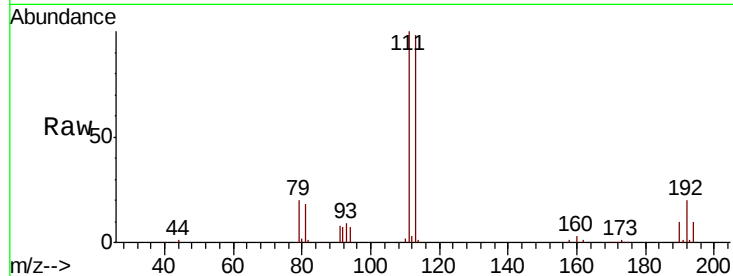
Tot Ion:113 Resp: 558551

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

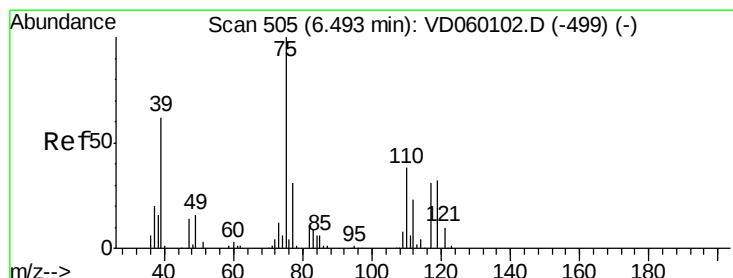
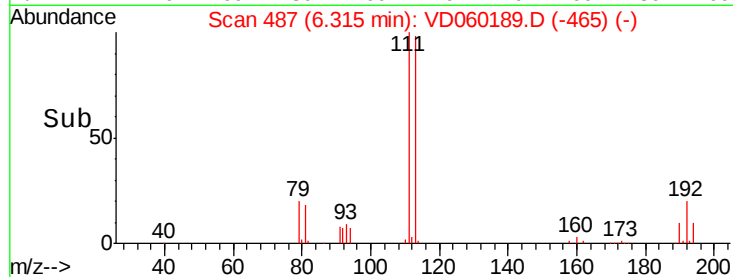
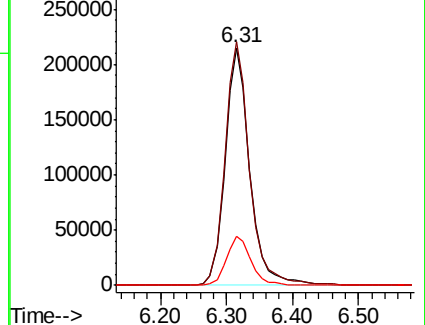
192 20.6 17.4 26.0



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: 4.701 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

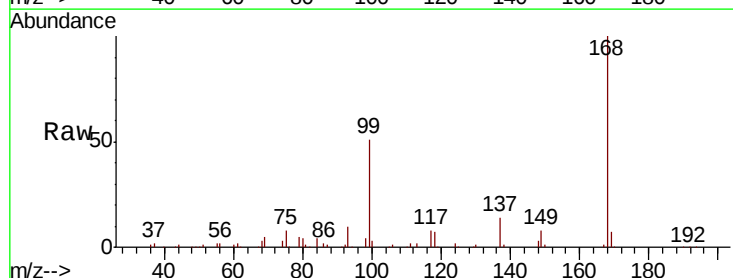
Tgt Ion: 75 Resp: 59307

Ion Ratio Lower Upper

75 100

110 6.6 19.0 57.0#

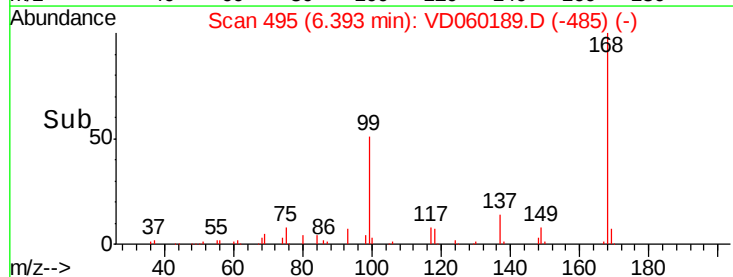
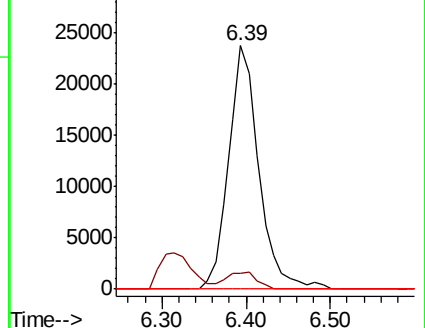
77 0.0 24.9 37.3#

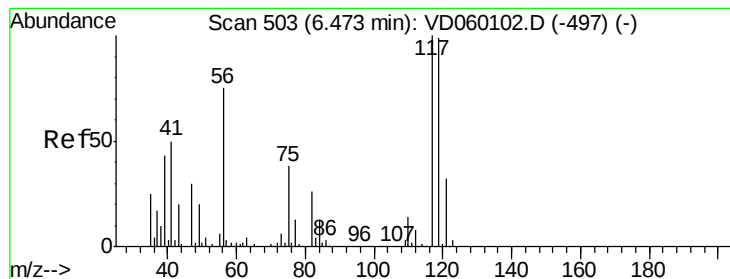


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.805 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.08 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

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ClientSampleId :

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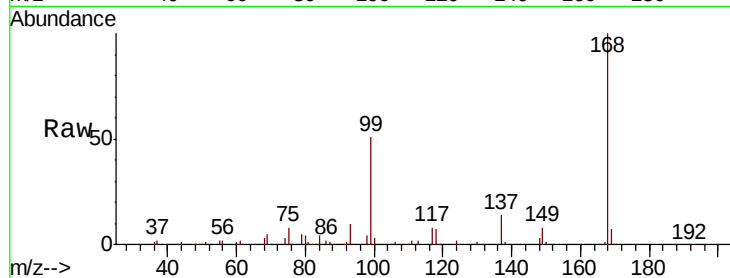
Tot Ion:117 Resp: 66466

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.6#

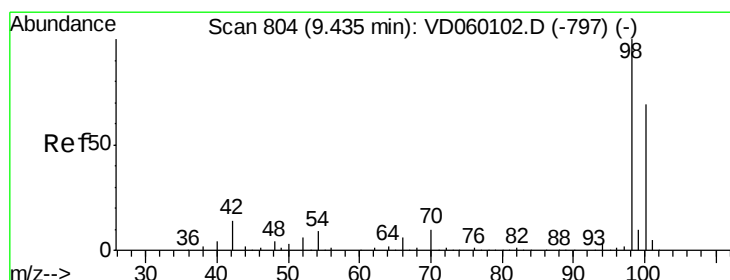
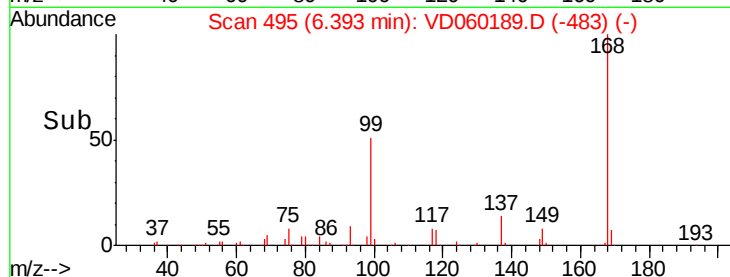
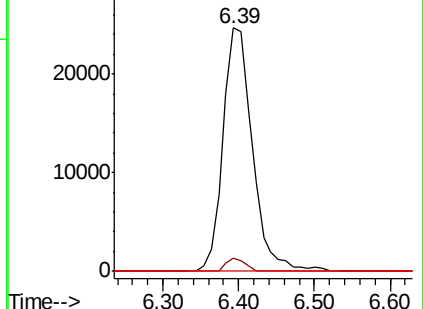
121 0.0 24.8 37.2#



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: 9.44 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060189.D

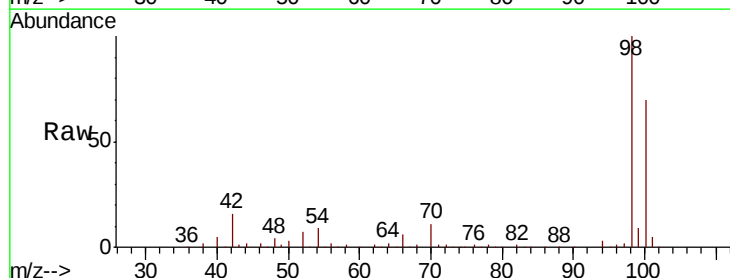
Acq: 24 Oct 2018 18:39

Tgt Ion: 98 Resp: 1190335

Ion Ratio Lower Upper

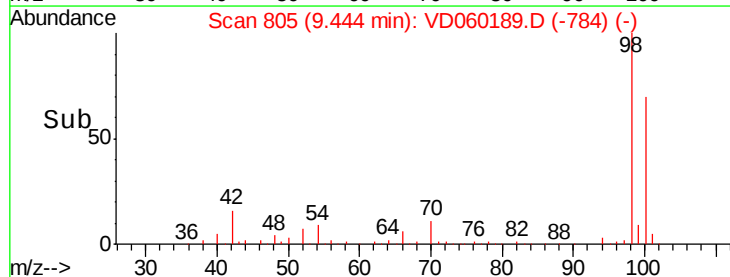
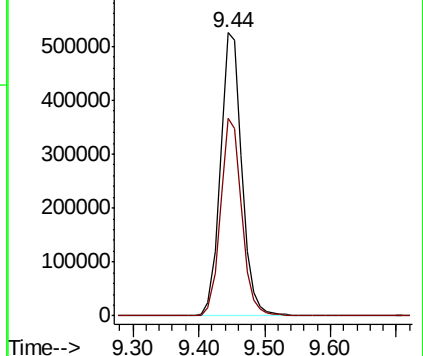
98 100

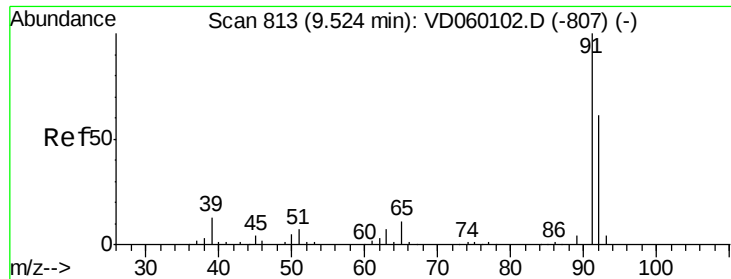
100 69.7 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 7.112 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

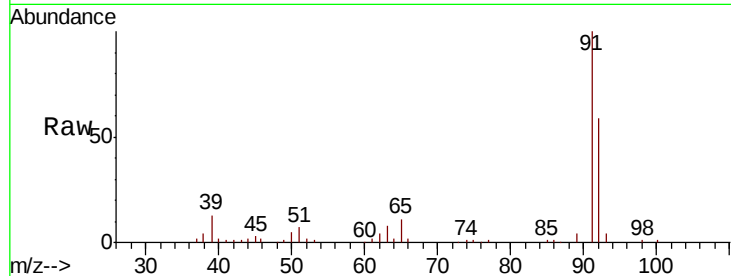
CL-01-102318-E

Tot Ion: 92 Resp: 151184

Ion Ratio Lower Upper

92 100

91 170.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

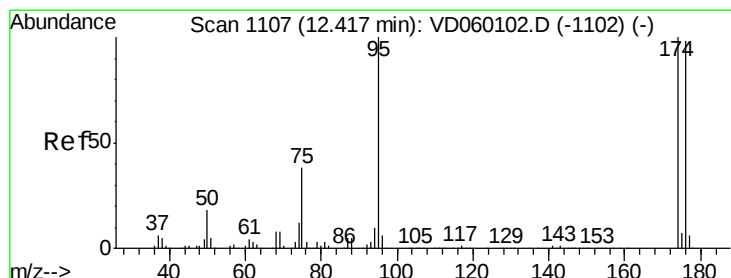
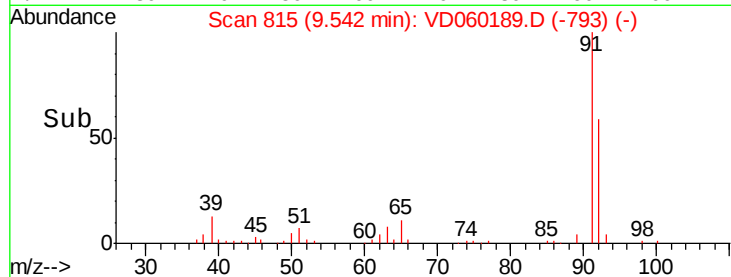
9.54

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

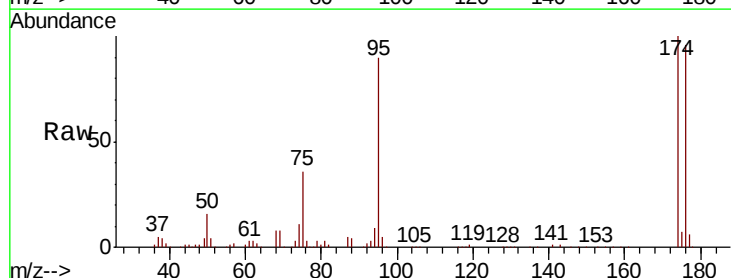
Tgt Ion: 95 Resp: 516040

Ion Ratio Lower Upper

95 100

174 111.6 0.0 200.2

176 107.6 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

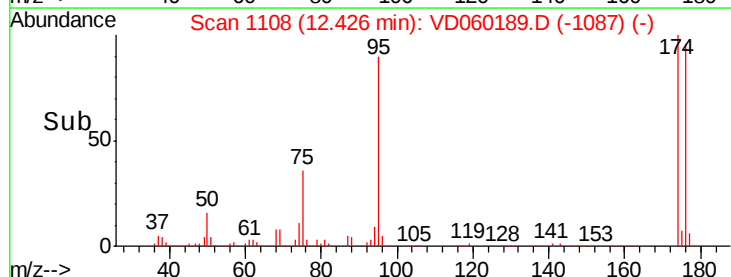
300000

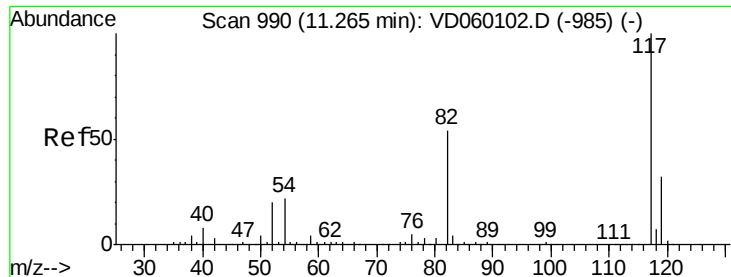
200000

100000

0

Time-->

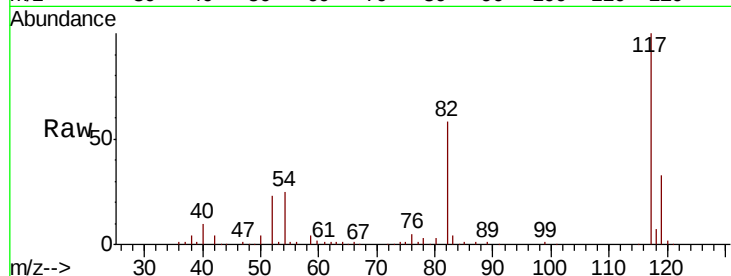




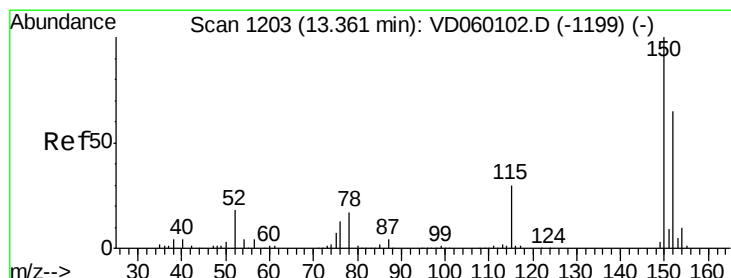
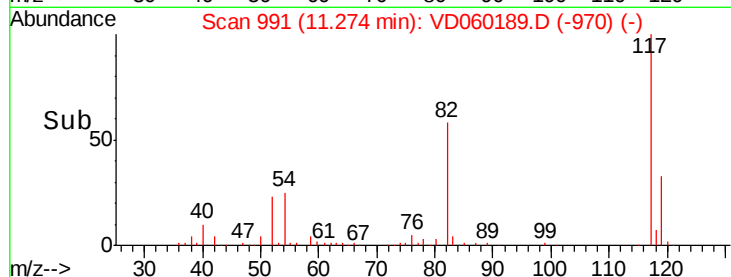
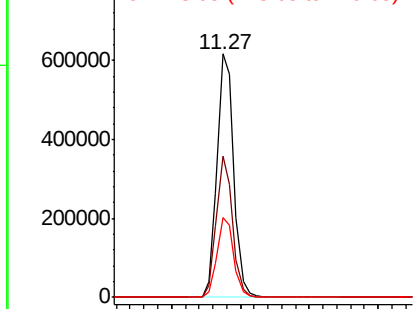
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060189.D
Acq: 24 Oct 2018 18:39

Instrument :
MSVOA_D
ClientSampleId :
CL-01-102318-E

Tot Ion:117 Resp: 1037564
Ion Ratio Lower Upper
117 100
82 58.3 43.4 65.2
119 32.7 26.0 39.0

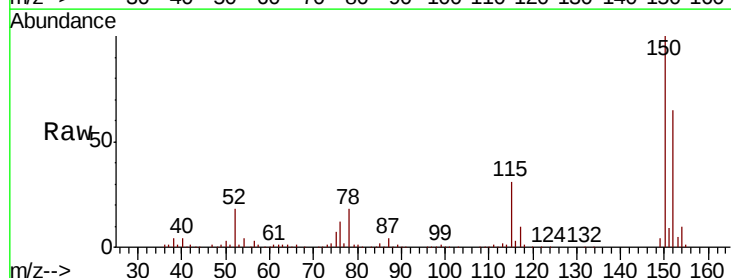


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

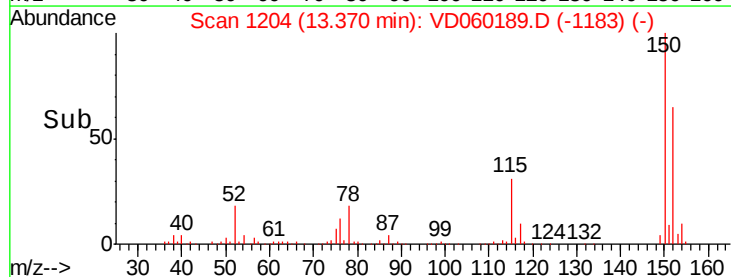
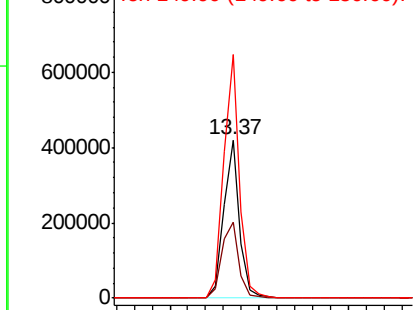


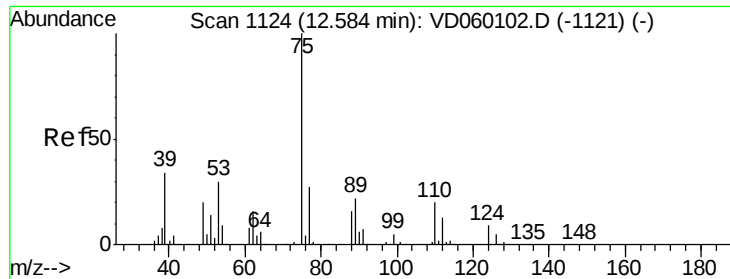
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060189.D
Acq: 24 Oct 2018 18:39

Tgt Ion:152 Resp: 520443
Ion Ratio Lower Upper
152 100
115 48.3 27.1 81.2
150 153.9 0.0 311.8



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





#76

1,2,3-Trichloropropane

Concen: 26.164 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

Instrument :

MSVOA_D

ClientSampleId :

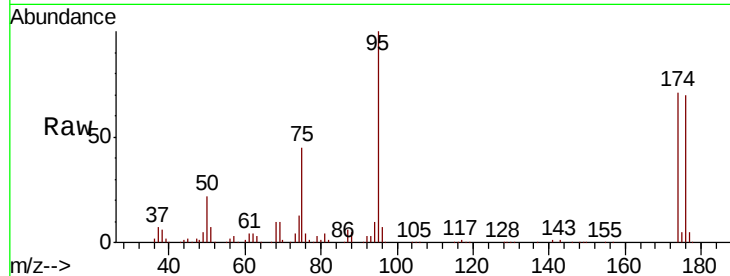
CL-01-102318-E

Tot Ion: 75 Resp: 196102

Ion Ratio Lower Upper

75 100

77 1.3 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.42

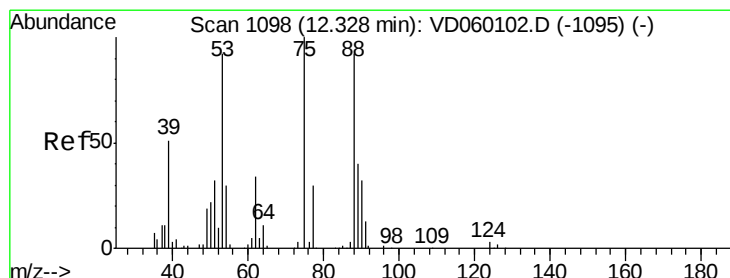
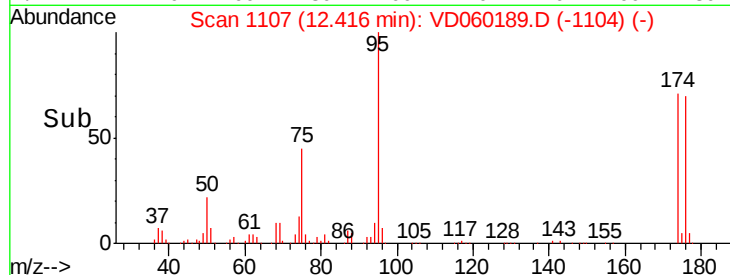
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 103.415 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060189.D

Acq: 24 Oct 2018 18:39

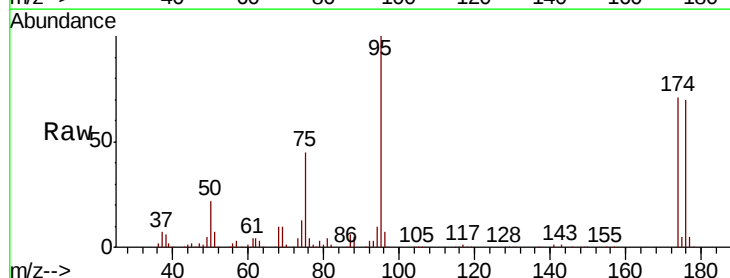
Tgt Ion: 75 Resp: 217792

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

200000

150000

100000

50000

0

Time-->

