

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060187.D
 Acq On : 24 Oct 2018 17:43
 Operator : JC/SY
 Sample : J5198-25
 Misc : 6.14g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Oct 25 03:36:20 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	1677433	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.44	114	2371890	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1788370	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	761425	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	740138	58.21	ug/l	0.02
Spiked Amount			Recovery	=	116.42%	
35) Dibromofluoromethane	6.32	113	909080	50.47	ug/l	0.02
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	9.45	98	2444947	47.60	ug/l	0.01
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.42	95	828858	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	

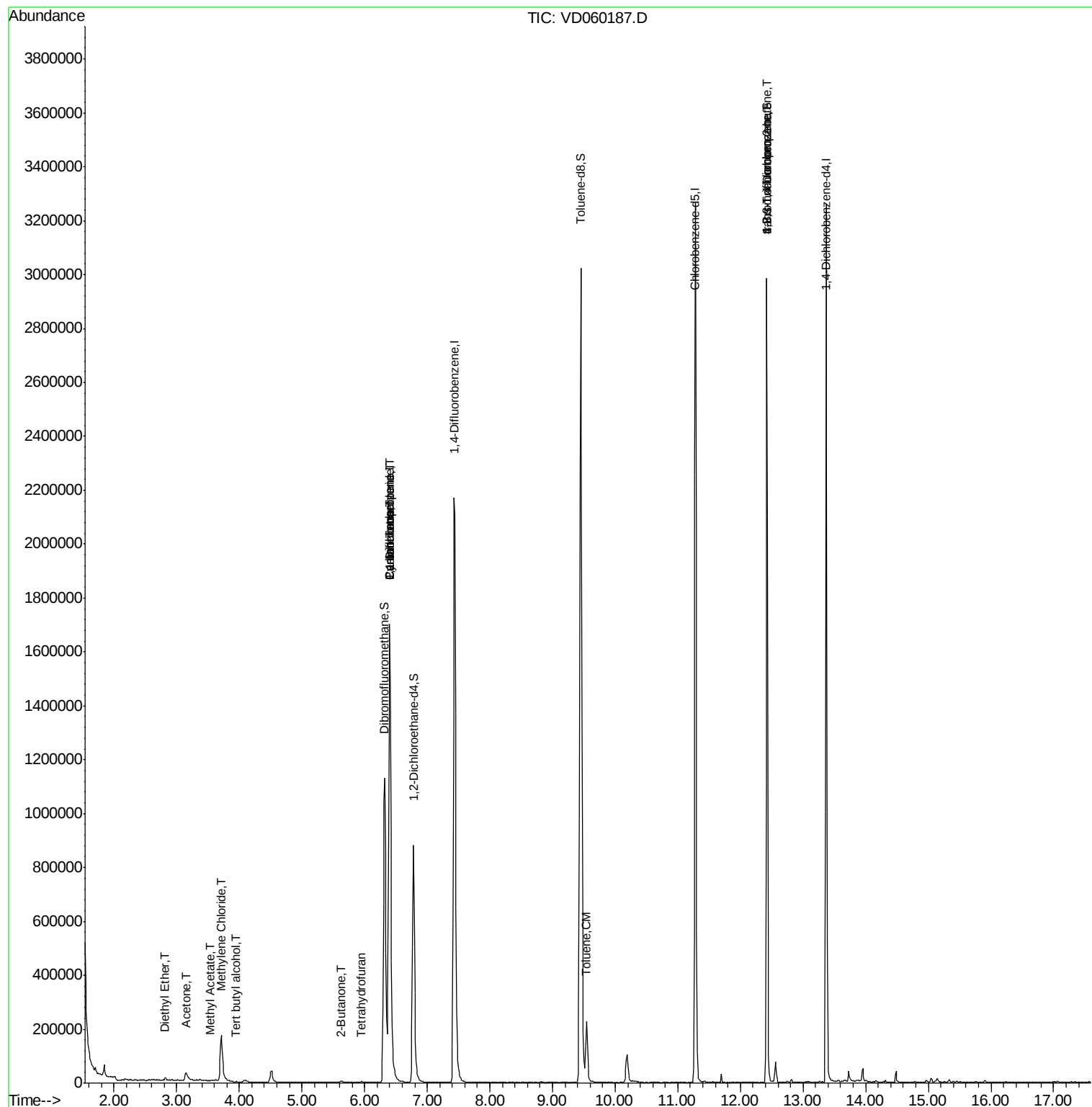
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	2999	1.046	ug/l	72
11) Tert butyl alcohol	3.96	59	1244	1.364	ug/l #	74
16) Acetone	3.14	43	63708	27.612	ug/l	94
18) Methyl Acetate	3.53	43	6118	1.234	ug/l #	63
20) Methylene Chloride	3.71	84	107335	1.761	ug/l	97
25) 2-Butanone	5.62	43	7965	1.382	ug/l #	59
29) Tetrahydrofuran	5.96	42	3441	1.028	ug/l #	55
31) Cyclohexane	6.40	56	32940	1.196	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	120398	5.312	ug/l #	46
38) Carbon Tetrachloride	6.40	117	131202	6.378	ug/l #	15
52) Toluene	9.55	92	116222	3.043	ug/l	97
76) 1,2,3-Trichloropropane	12.42	75	328501	29.958	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	334535	108.575	ug/l #	13

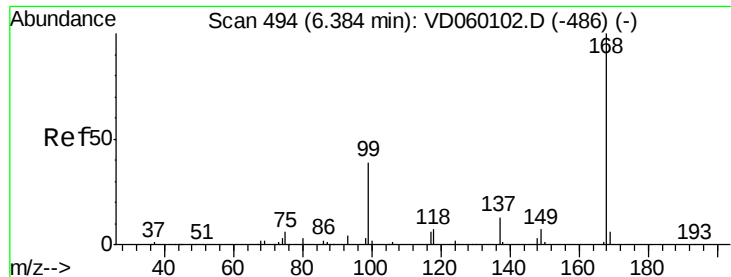
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 495

Delta R.T. 0.01 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_D

ClientSampleId :

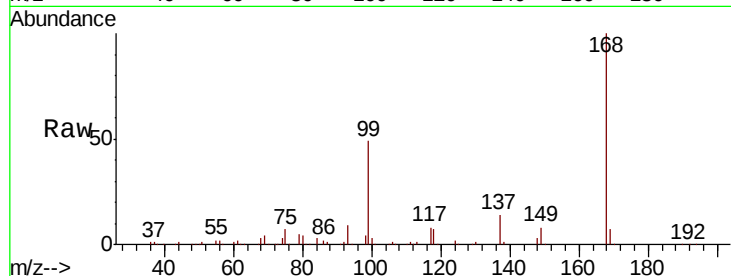
CL-01-102318-C

Tot Ion:168 Resp: 1677433

Ion Ratio Lower Upper

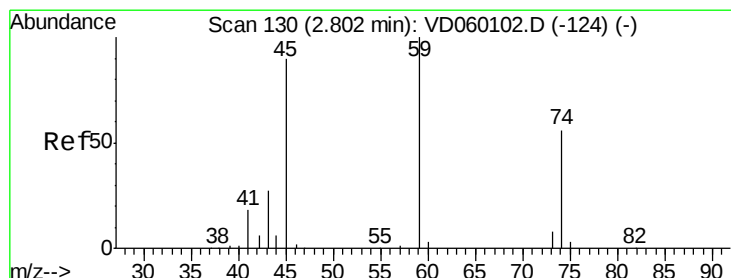
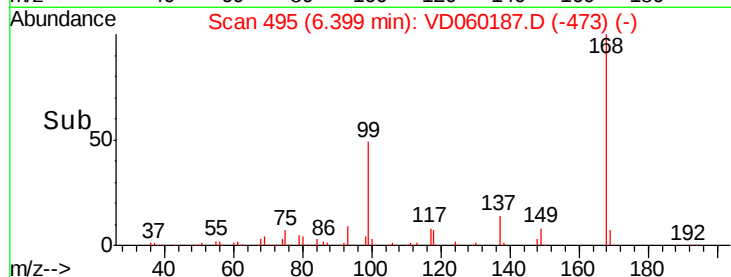
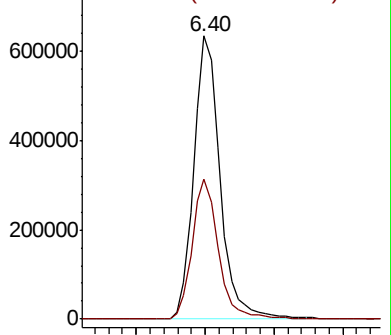
168 100

99 49.3 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: 1.046 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060187.D

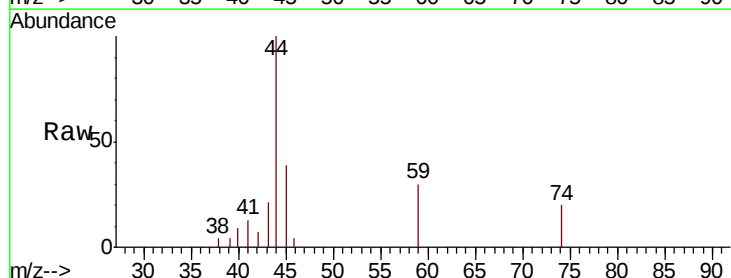
Acq: 24 Oct 2018 17:43

Tgt Ion: 74 Resp: 2999

Ion Ratio Lower Upper

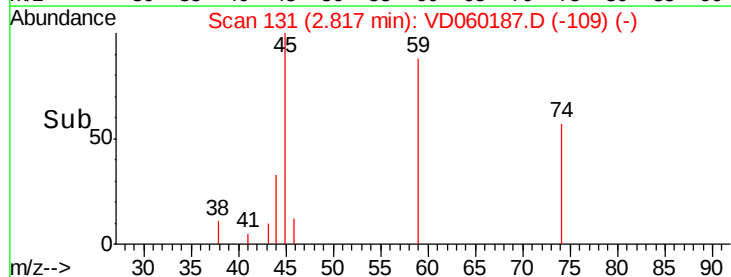
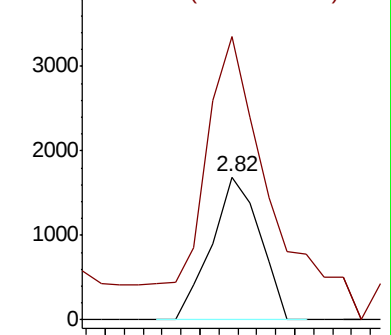
74 100

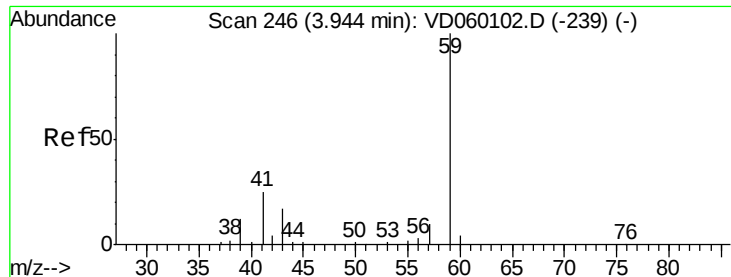
45 197.8 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



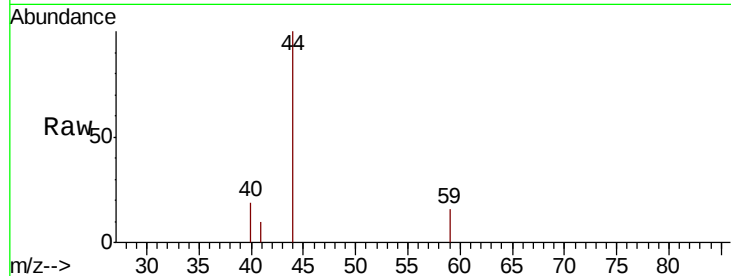


#11

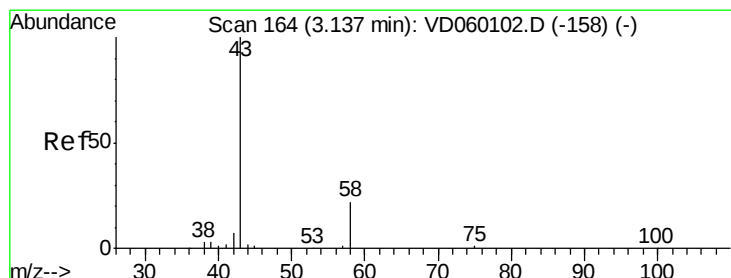
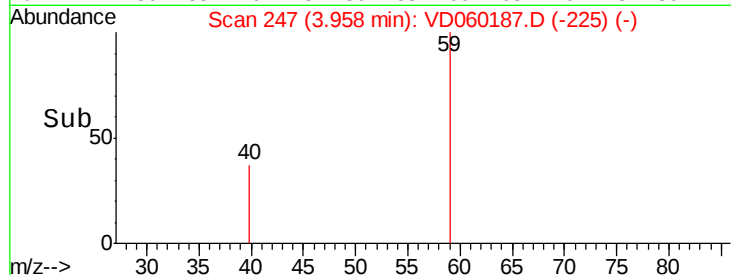
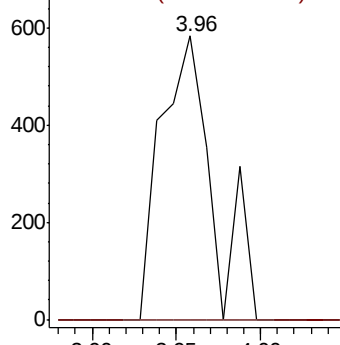
Tert butyl alcohol
 Concen: 1.364 ug/l
 RT: 3.96 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060187.D
 Acq: 24 Oct 2018 17:43

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

Tot Ion: 59 Resp: 1244
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



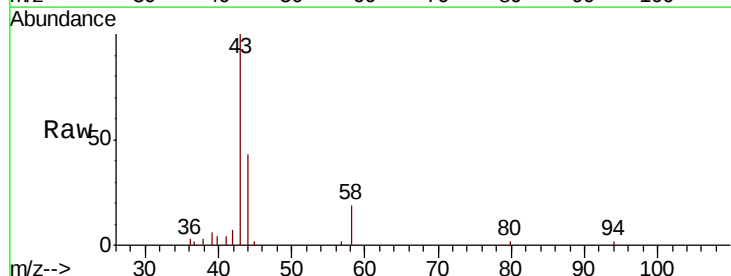
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



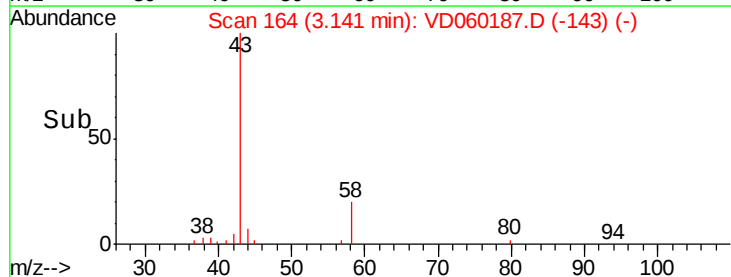
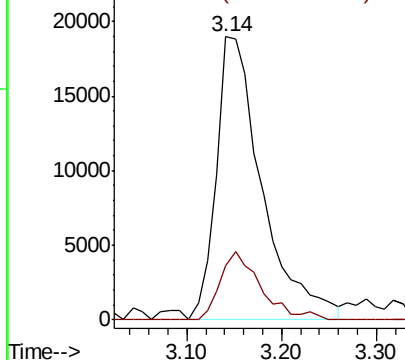
#16

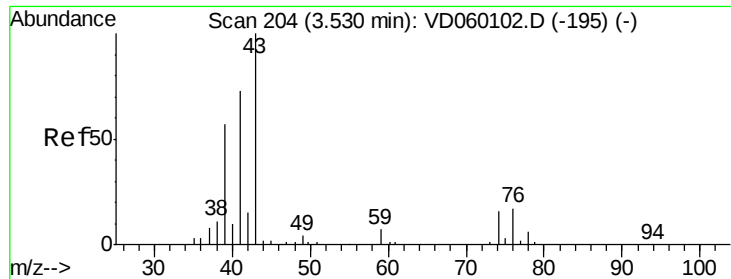
Acetone
 Concen: 27.612 ug/l
 RT: 3.14 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD060187.D
 Acq: 24 Oct 2018 17:43

Tgt Ion: 43 Resp: 63708
 Ion Ratio Lower Upper
 43 100
 58 19.1 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: 1.234 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_D

ClientSampleId :

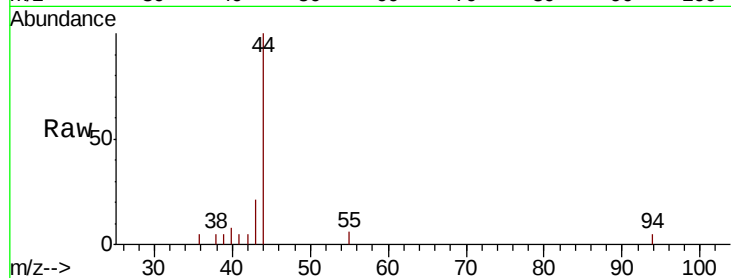
CL-01-102318-C

Tot Ion: 43 Resp: 6118

Ion Ratio Lower Upper

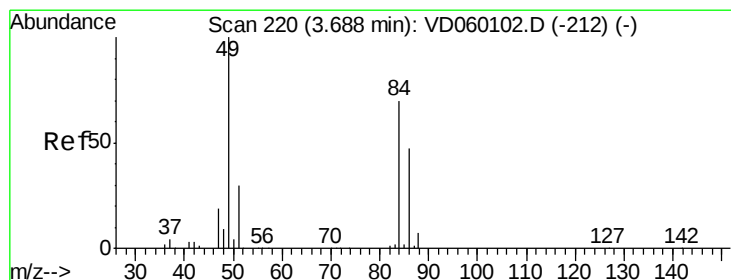
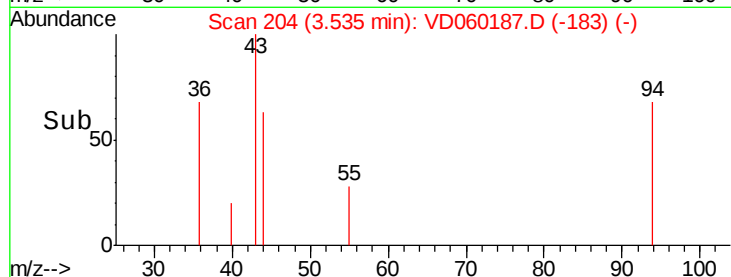
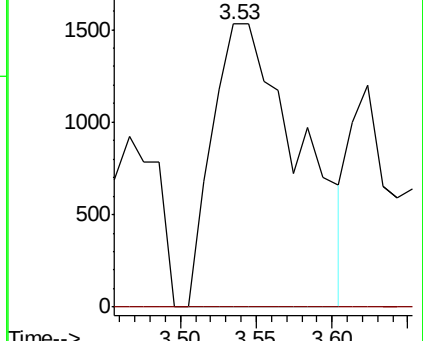
43 100

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

Methylene Chloride

Concen: 1.761 ug/l

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Tgt Ion: 84 Resp: 107335

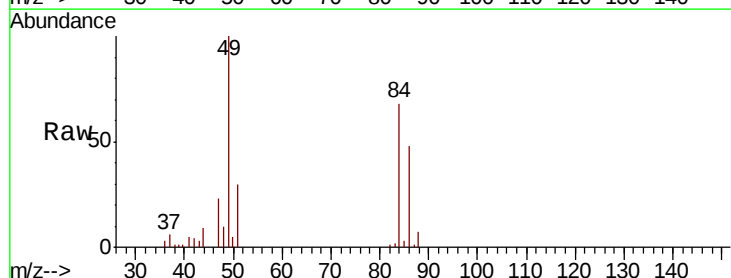
Ion Ratio Lower Upper

84 100

49 146.9 114.6 172.0

51 44.2 33.8 50.8

86 70.4 53.3 79.9

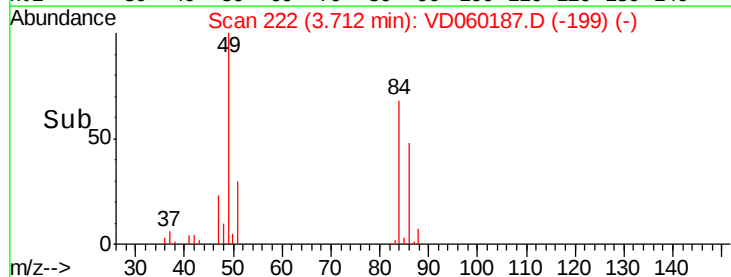
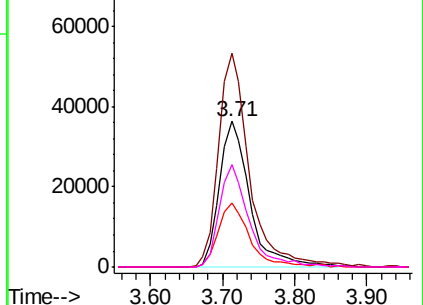


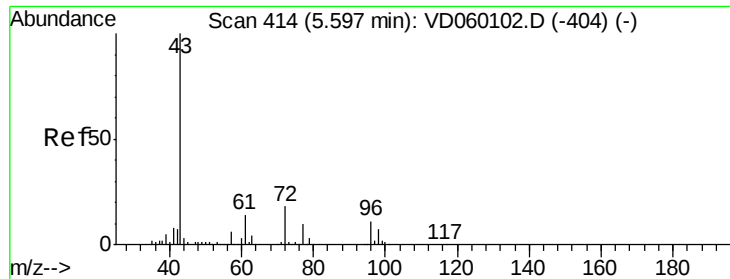
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

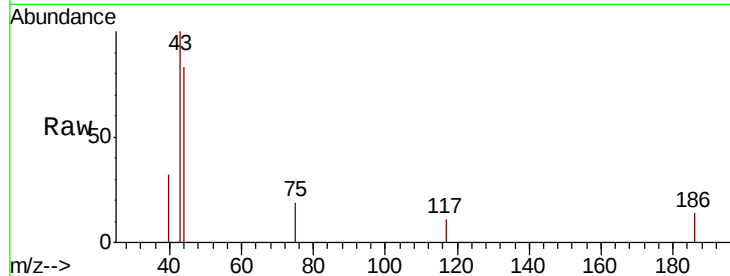




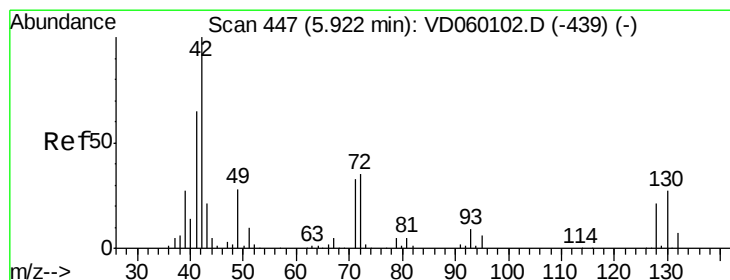
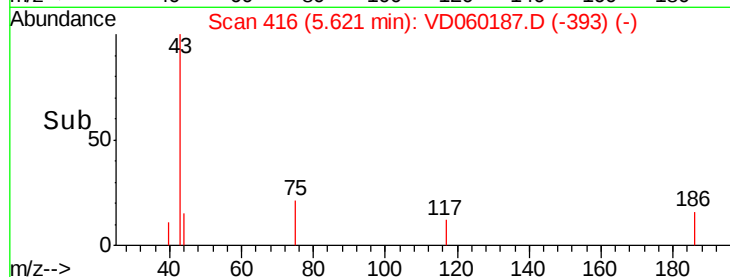
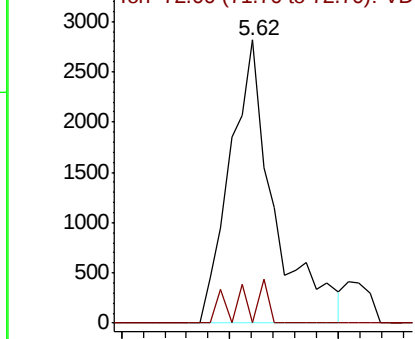
#25
2-Butanone
Concen: 1.382 ug/l
RT: 5.62 min Scan# 416
Delta R.T. 0.02 min
Lab File: VD060187.D
Acq: 24 Oct 2018 17:43

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

Tot Ion: 43 Resp: 7965
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#

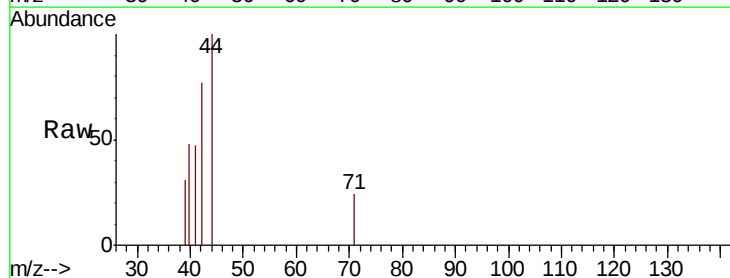


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

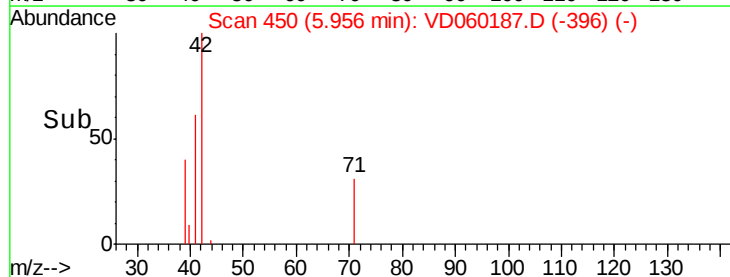
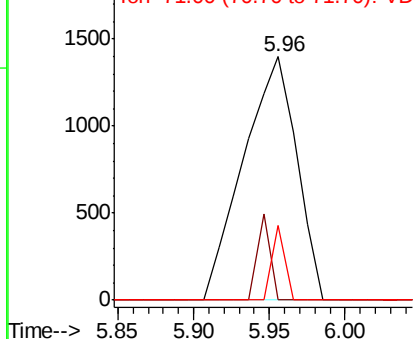


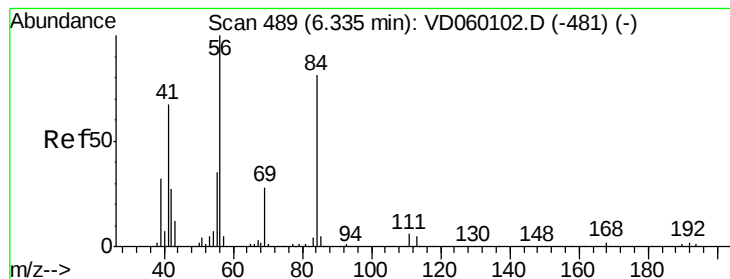
#29
Tetrahydrofuran
Concen: 1.028 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060187.D
Acq: 24 Oct 2018 17:43

Tgt Ion: 42 Resp: 3441
Ion Ratio Lower Upper
42 100
72 8.5 26.9 40.3#
71 7.4 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: 1.196 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102318-C

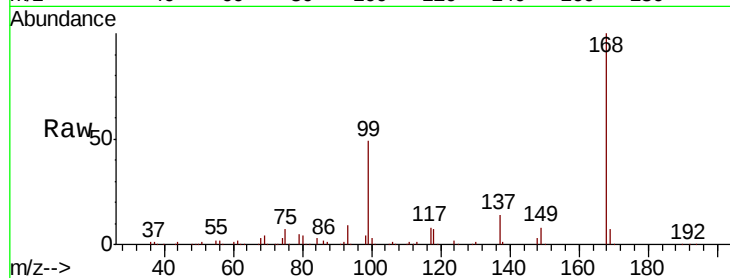
Tot Ion: 56 Resp: 32940

Ion Ratio Lower Upper

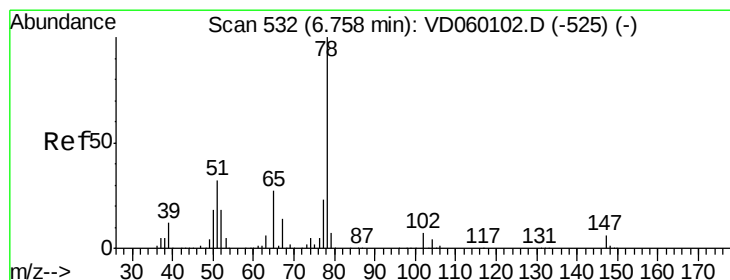
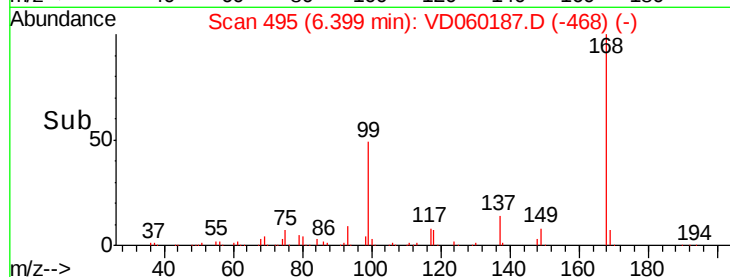
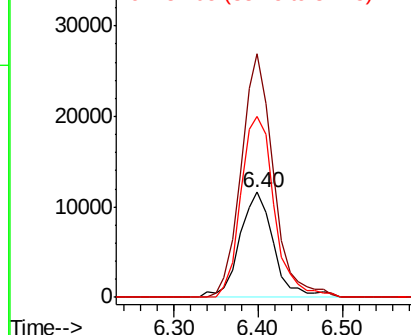
56 100

69 231.4 22.8 34.2#

84 171.7 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: VD060187.D

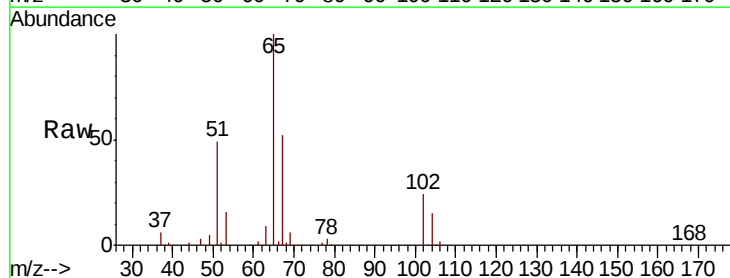
Acq: 24 Oct 2018 17:43

Tgt Ion: 65 Resp: 740138

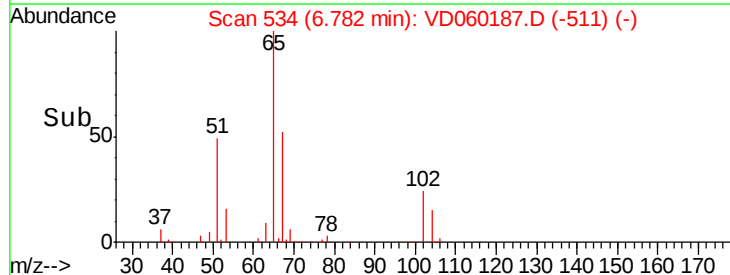
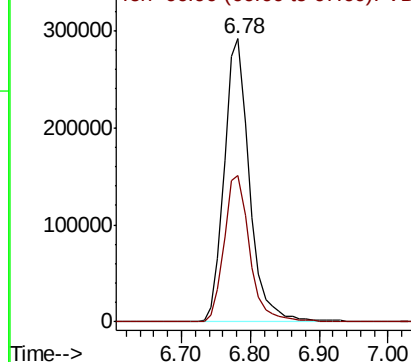
Ion Ratio Lower Upper

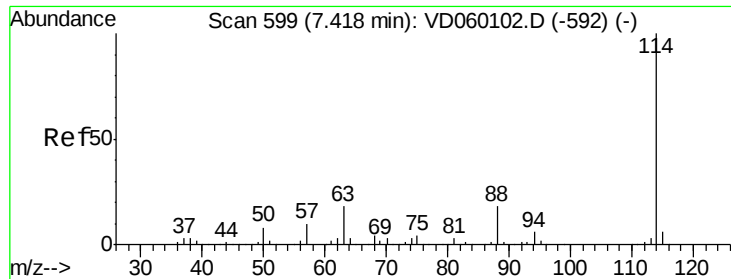
65 100

67 51.8 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

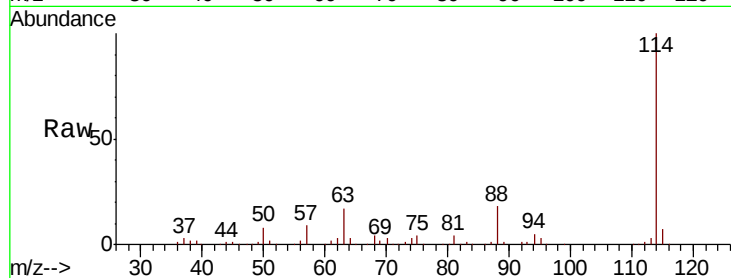




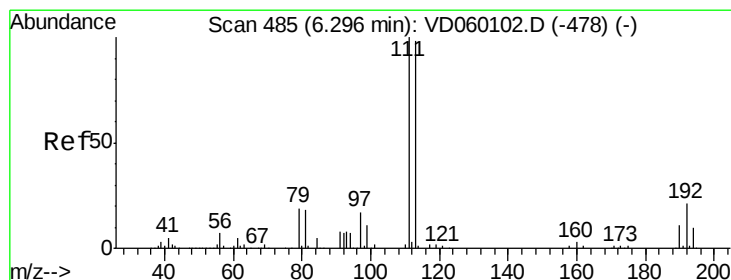
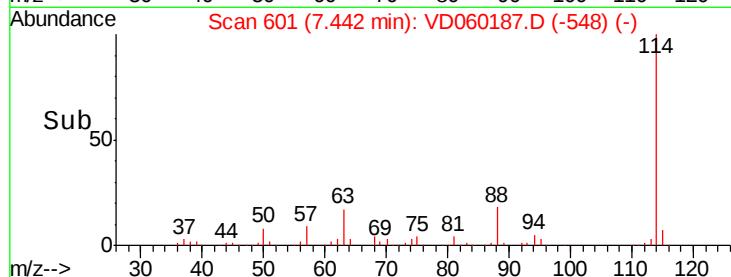
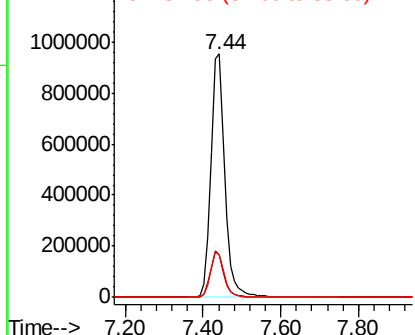
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060187.D
 Acq: 24 Oct 2018 17:43

Instrument :
 MSVOA_D
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 CL-01-102318-C

Tot Ion:114 Resp: 2371890
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.0
 88 17.7 0.0 36.2

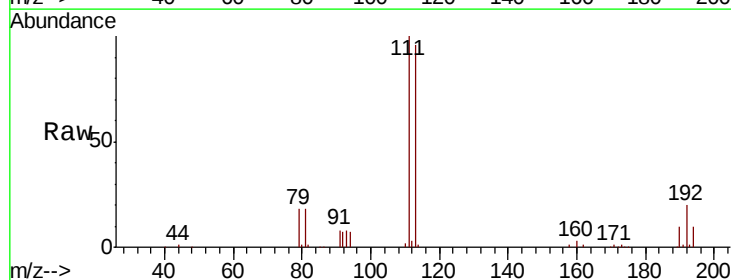


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

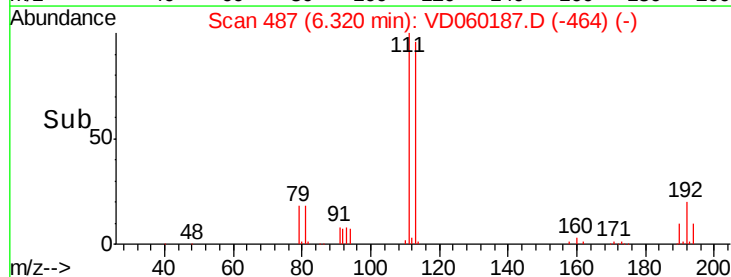
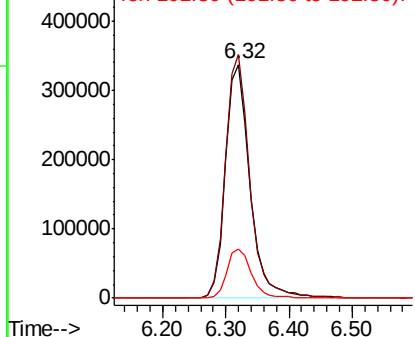


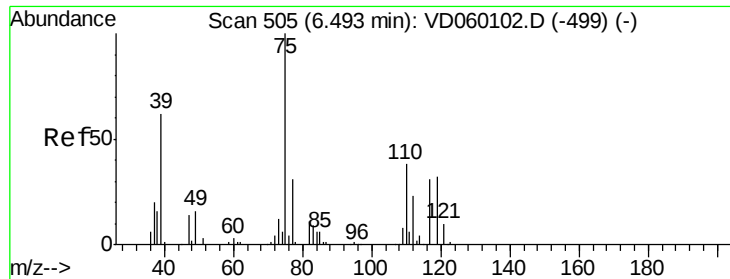
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060187.D
 Acq: 24 Oct 2018 17:43

Tgt Ion:113 Resp: 909080
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.5 122.3
 192 21.0 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: 5.312 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.09 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102318-C

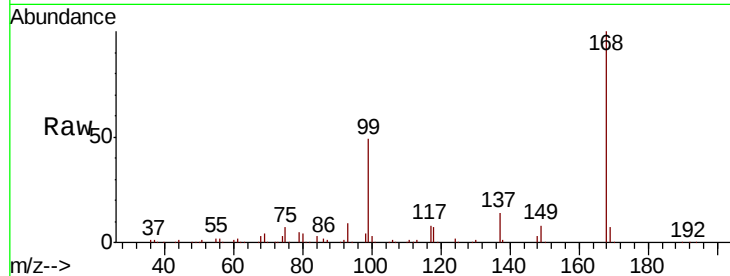
Tot Ion: 75 Resp: 120398

Ion Ratio Lower Upper

75 100

110 6.8 19.0 57.0#

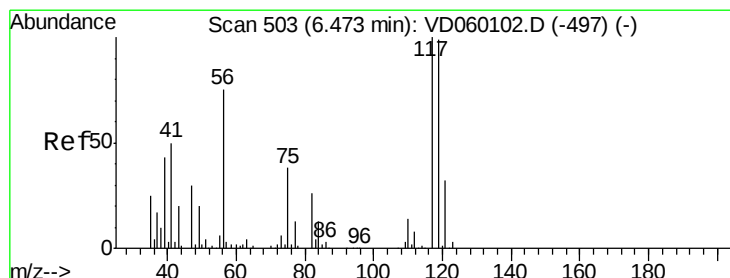
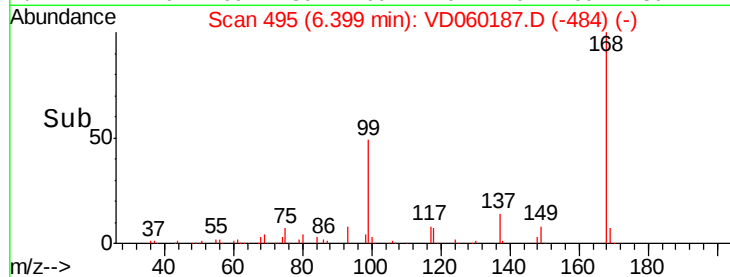
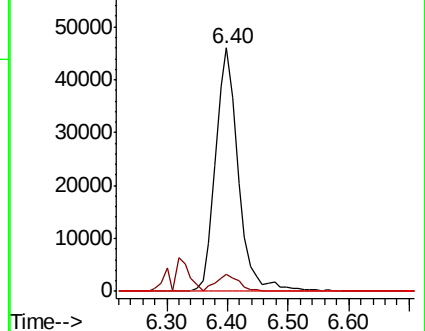
77 0.0 24.9 37.3#



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: 6.378 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

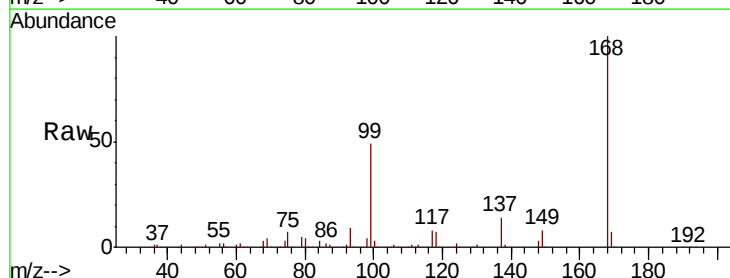
Tgt Ion: 117 Resp: 131202

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

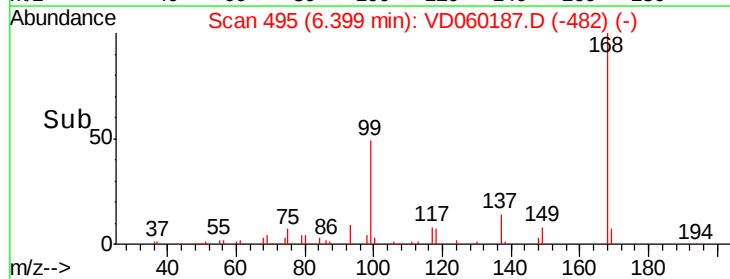
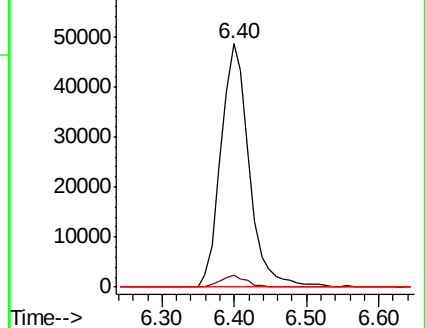
121 0.0 24.8 37.2#

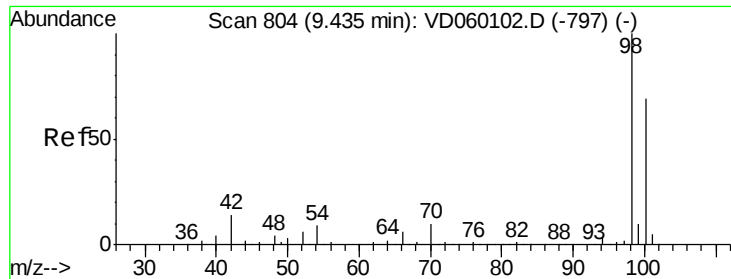


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

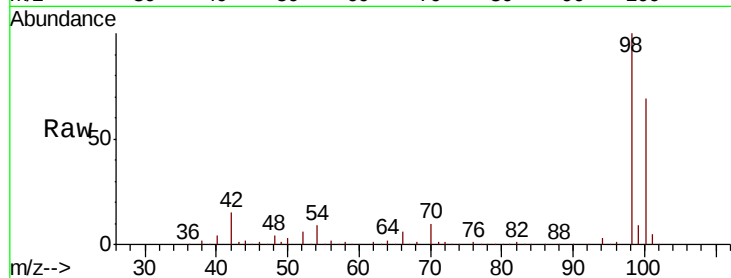




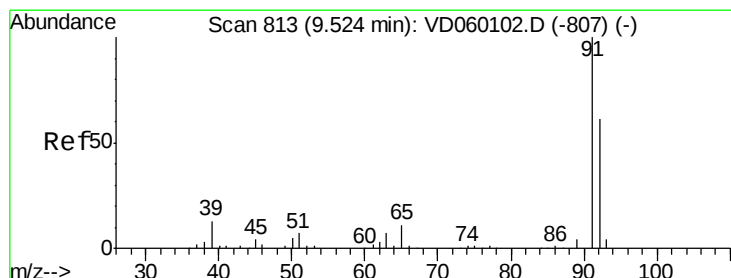
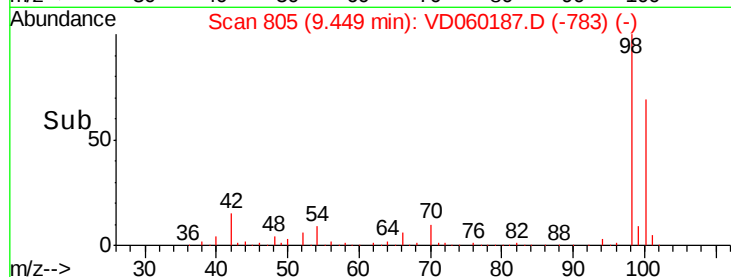
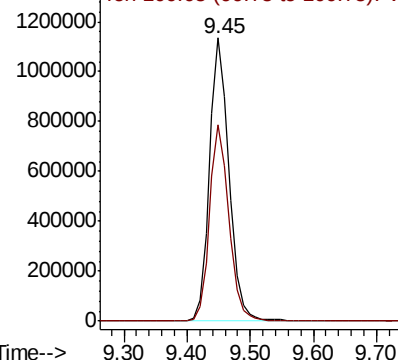
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060187.D
Acq: 24 Oct 2018 17:43

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

Tot Ion: 98 Resp: 2444947
Ion Ratio Lower Upper
98 100
100 69.2 55.4 83.0

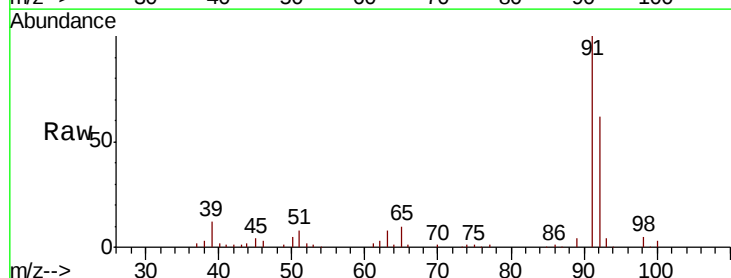


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

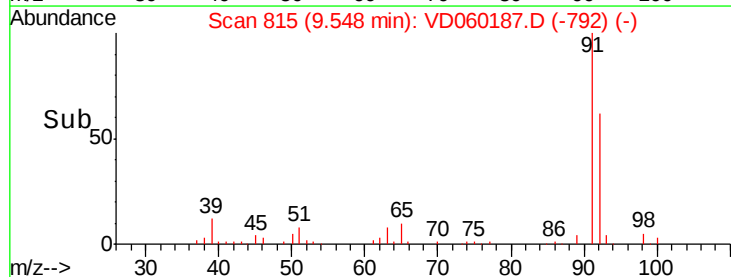
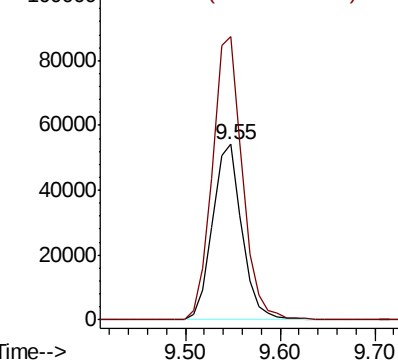


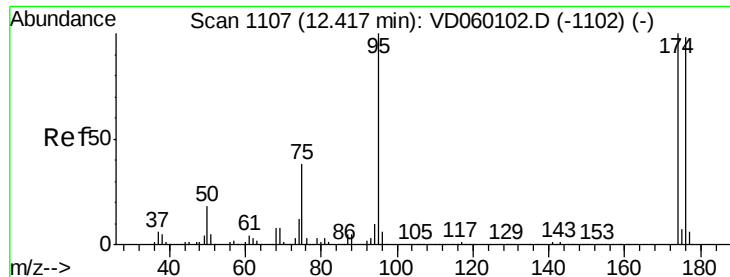
#52
Toluene
Concen: 3.043 ug/l
RT: 9.55 min Scan# 815
Delta R.T. 0.02 min
Lab File: VD060187.D
Acq: 24 Oct 2018 17:43

Tgt Ion: 92 Resp: 116222
Ion Ratio Lower Upper
92 100
91 161.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102318-C

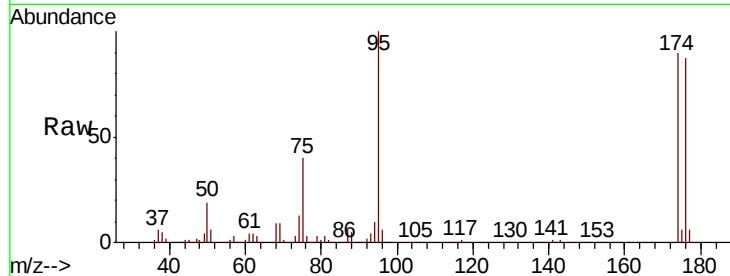
Tot Ion: 95 Resp: 828858

Ion Ratio Lower Upper

95 100

174 89.9 0.0 200.2

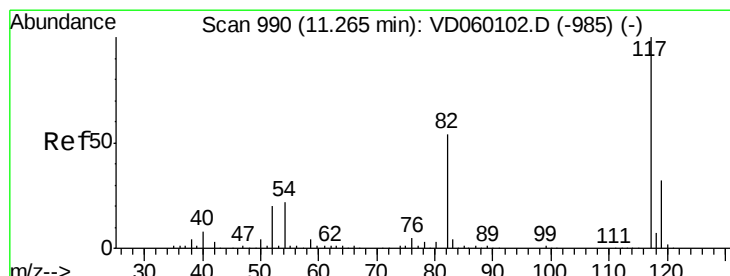
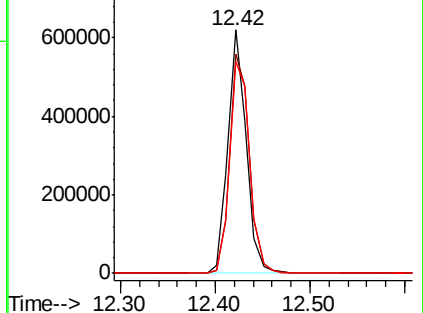
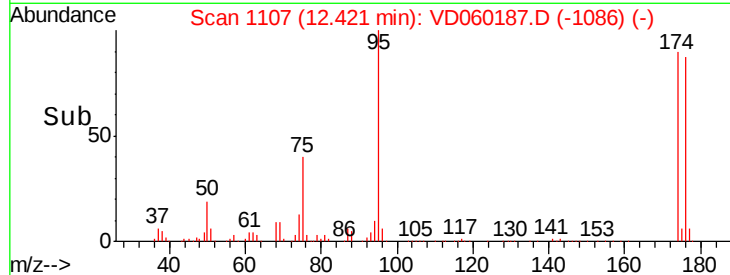
176 86.9 0.0 195.6



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: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

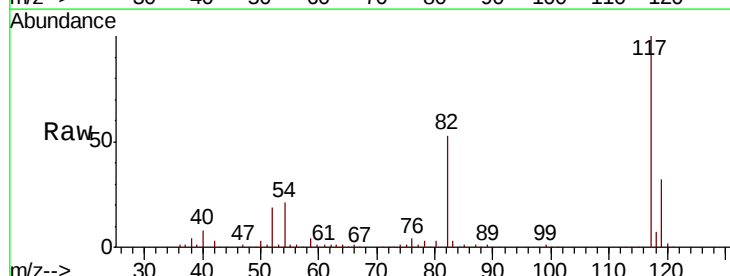
Tgt Ion: 117 Resp: 1788370

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.2

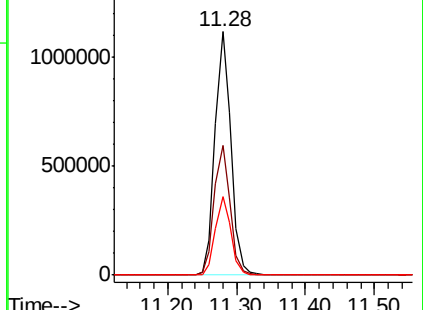
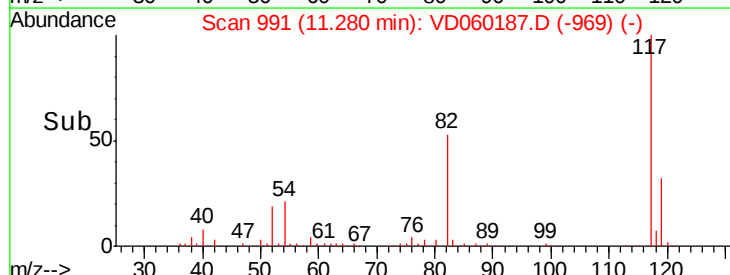
119 32.4 26.0 39.0

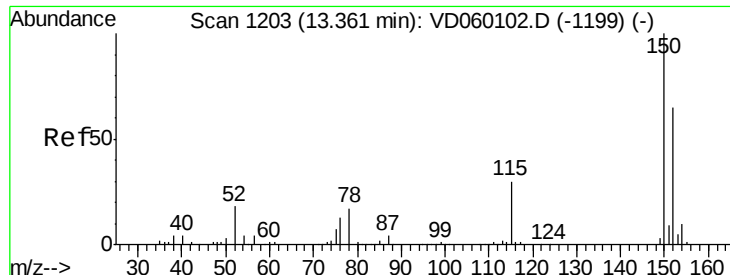


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1203

Delta R.T. 0.00 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102318-C

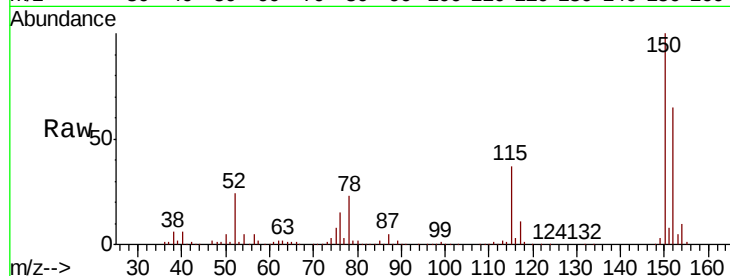
Tot Ion:152 Resp: 761425

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.2

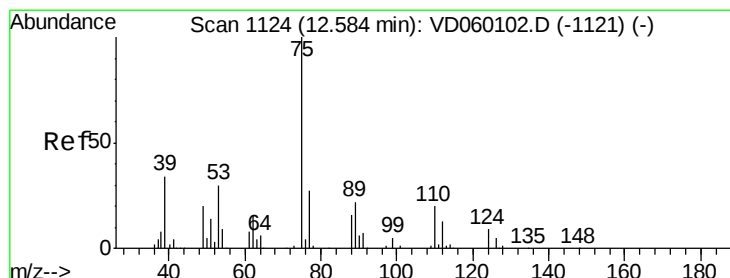
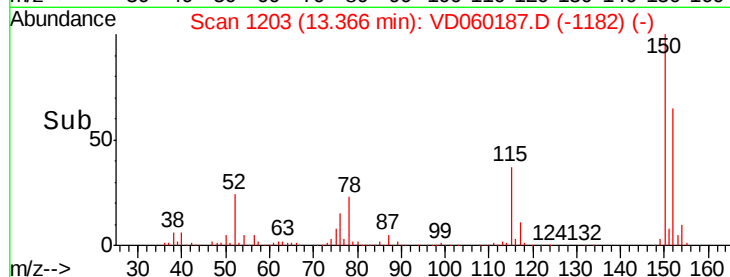
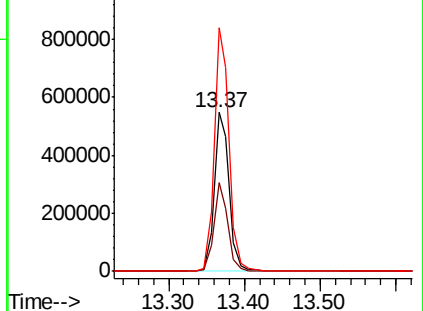
150 153.5 0.0 311.8



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: 29.958 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.16 min

Lab File: VD060187.D

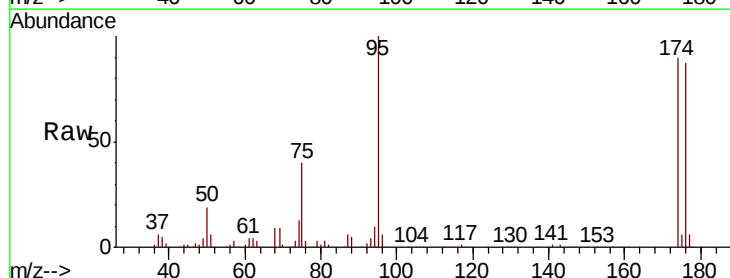
Acq: 24 Oct 2018 17:43

Tgt Ion: 75 Resp: 328501

Ion Ratio Lower Upper

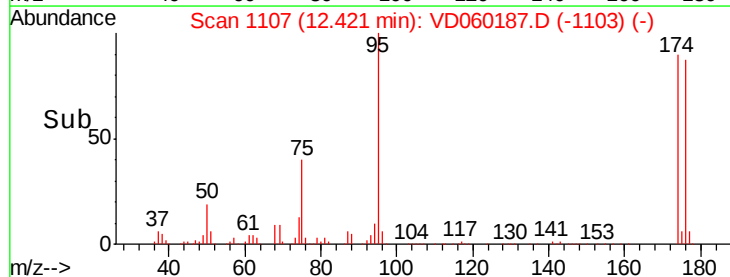
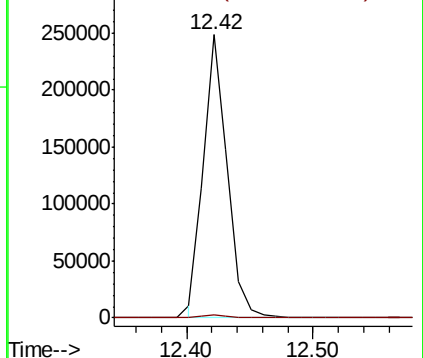
75 100

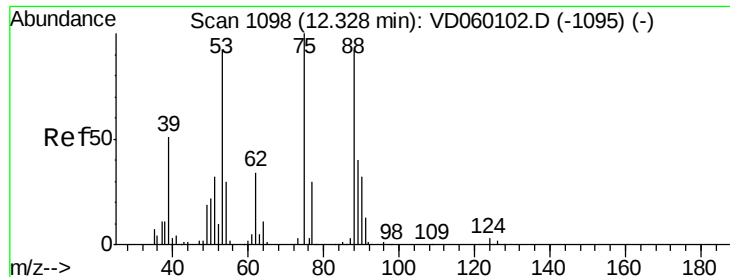
77 1.2 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 108.575 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060187.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102318-C

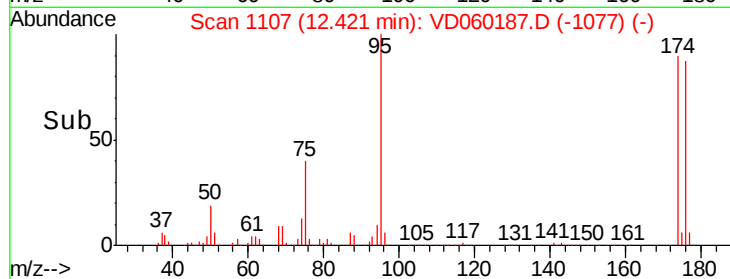
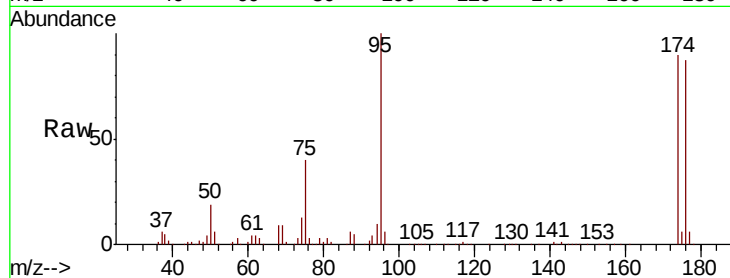
Tot Ion: 75 Resp: 334535

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

