

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060204.D
 Acq On : 25 Oct 2018 19:31
 Operator : JC/SY
 Sample : J5658-08
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-TS-006

Quant Time: Oct 26 03:43:58 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	1600520	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2211511	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1646560	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	643070	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	758501	62.52	ug/l	0.03
Spiked Amount			Recovery	=	125.04%	
35) Dibromofluoromethane	6.32	113	920935	54.84	ug/l	0.03
Spiked Amount			Recovery	=	109.68%	
50) Toluene-d8	9.45	98	2409341	50.31	ug/l	0.02
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.43	95	776212	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	

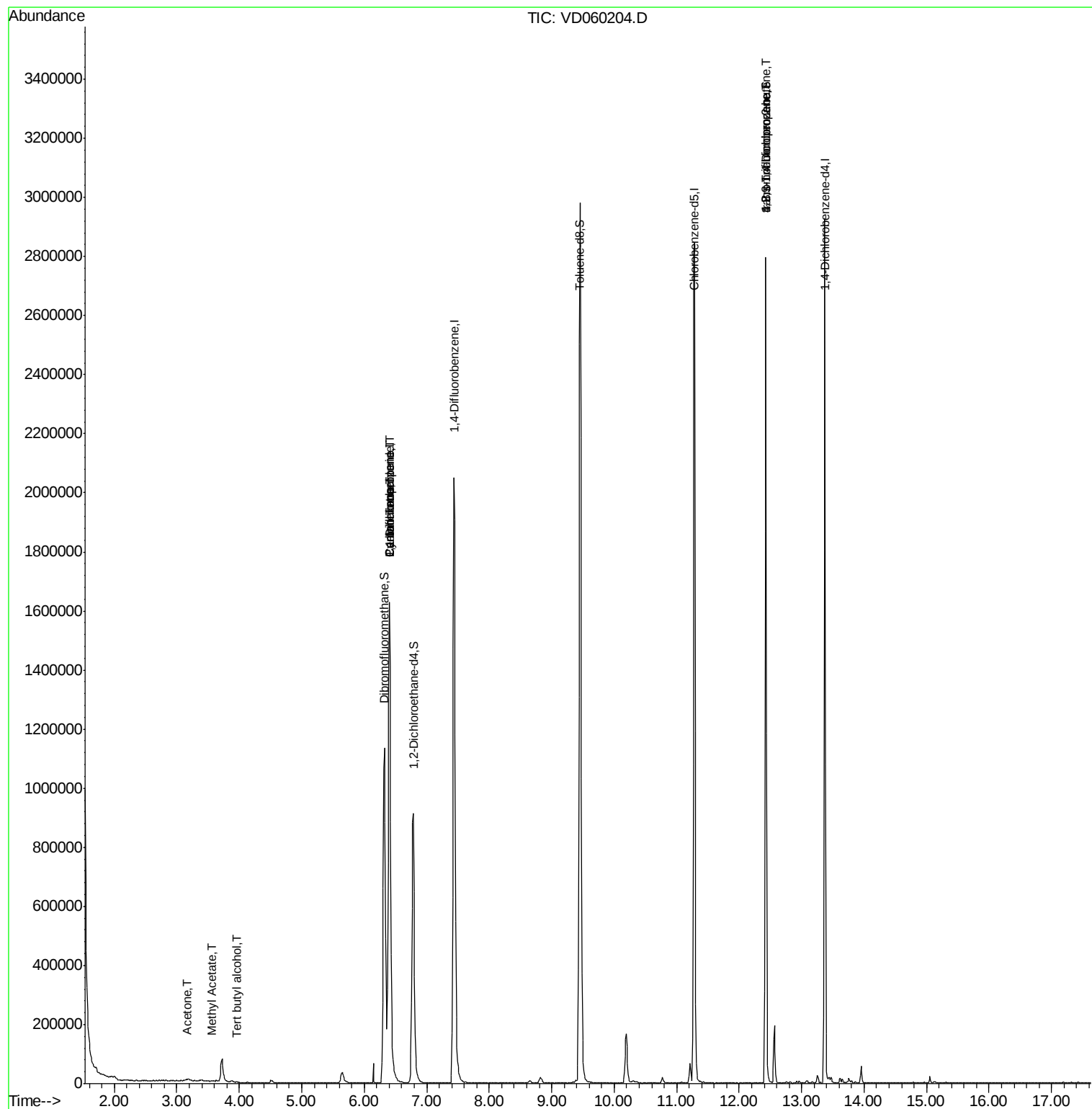
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.95	59	1833	2.107	ug/l #	74
16) Acetone	3.16	43	12619	5.732	ug/l #	80
18) Methyl Acetate	3.56	43	5799	1.226	ug/l #	63
20) Methylene Chloride	3.72	84	48377	Below Cal		98
31) Cyclohexane	6.40	56	29023	1.104	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	114930	5.438	ug/l #	46
38) Carbon Tetrachloride	6.40	117	123473	6.437	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	293396	31.681	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	314073	120.694	ug/l #	13

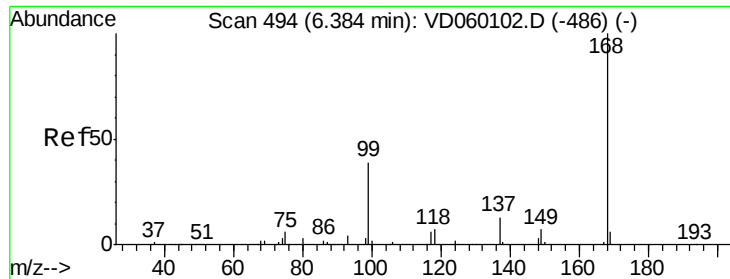
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD060204.D

Acq: 25 Oct 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

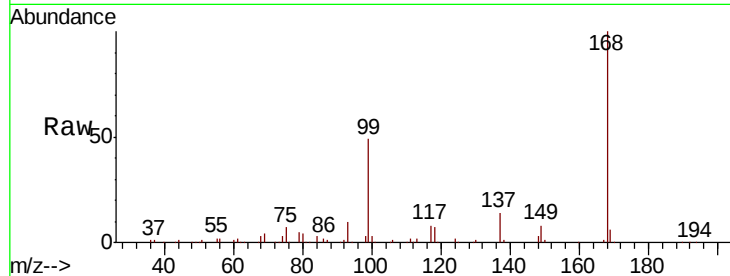
JC-TS-006

Tot Ion:168 Resp: 1600520

Ion Ratio Lower Upper

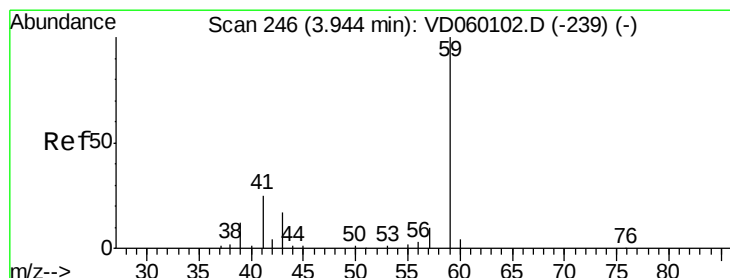
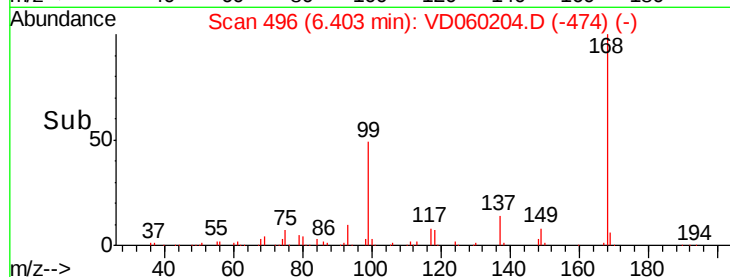
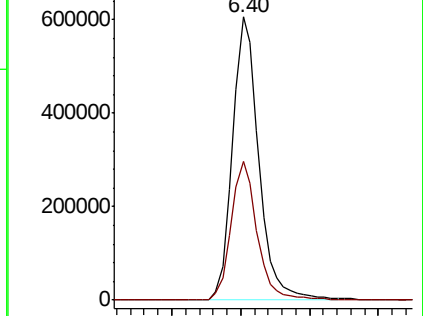
168 100

99 49.2 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.107 ug/l

RT: 3.95 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD060204.D

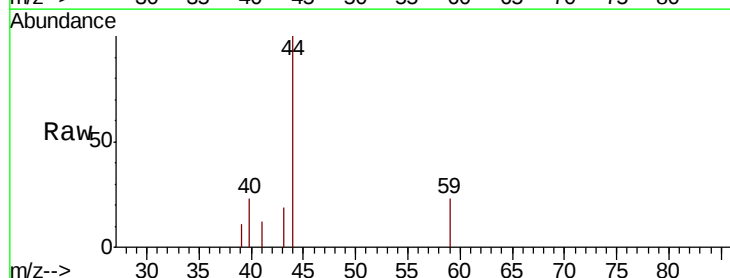
Acq: 25 Oct 2018 19:31

Tgt Ion: 59 Resp: 1833

Ion Ratio Lower Upper

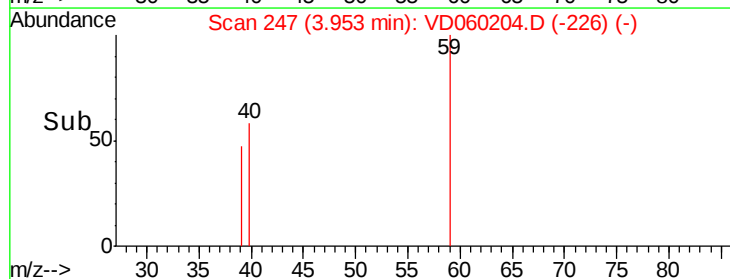
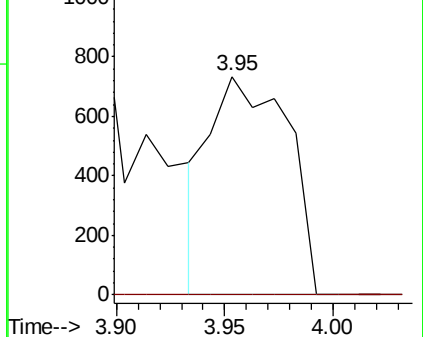
59 100

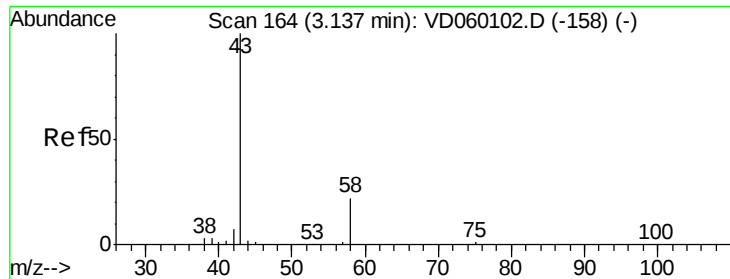
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 5.732 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060204.D

Acq: 25 Oct 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

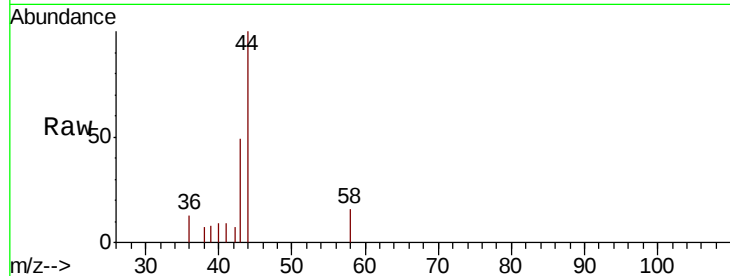
JC-TS-006

Tot Ion: 43 Resp: 12619

Ion Ratio Lower Upper

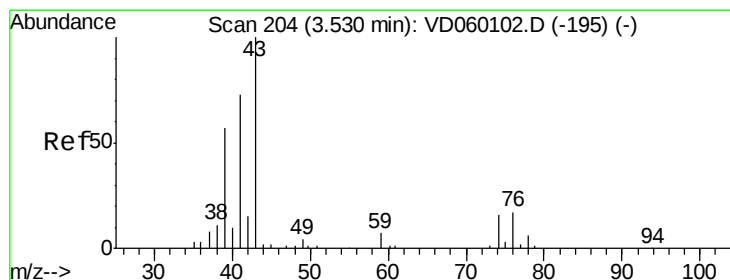
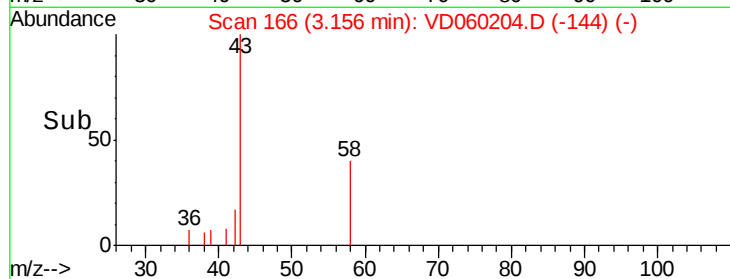
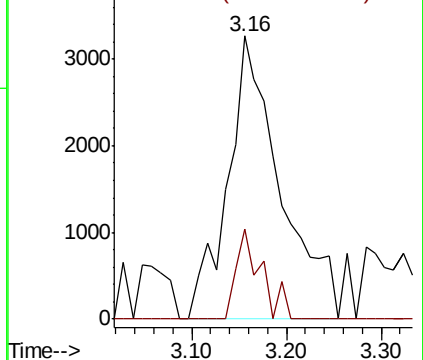
43 100

58 31.8 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: 1.226 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060204.D

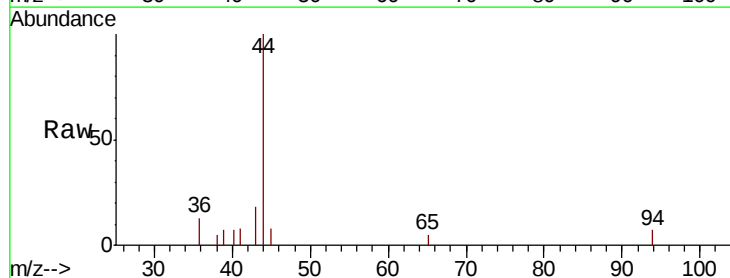
Acq: 25 Oct 2018 19:31

Tgt Ion: 43 Resp: 5799

Ion Ratio Lower Upper

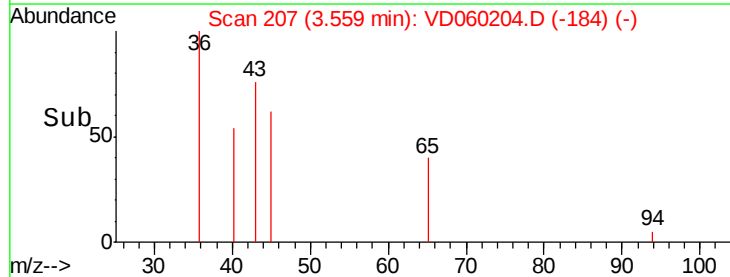
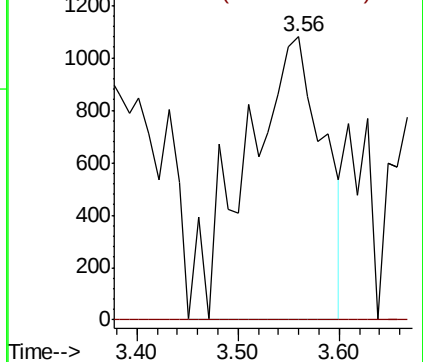
43 100

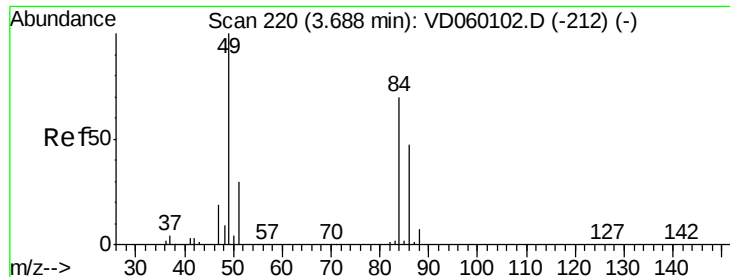
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

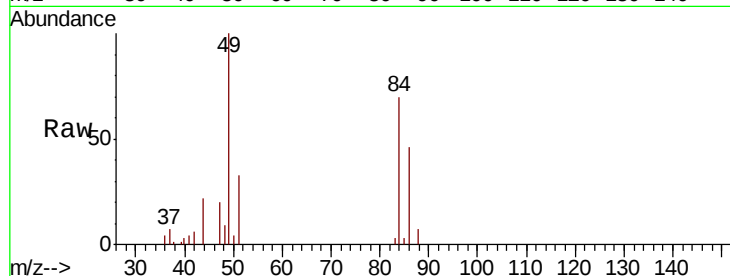




#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060204.D
Acq: 25 Oct 2018 19:31

Instrument :
MSVOA_D
ClientSampleId :
JC-TS-006

Tot Ion	84	Resp	48377
Ion	Ratio	Lower	Upper
84	100		
49	143.2	114.6	172.0
51	46.7	33.8	50.8
86	65.4	53.3	79.9



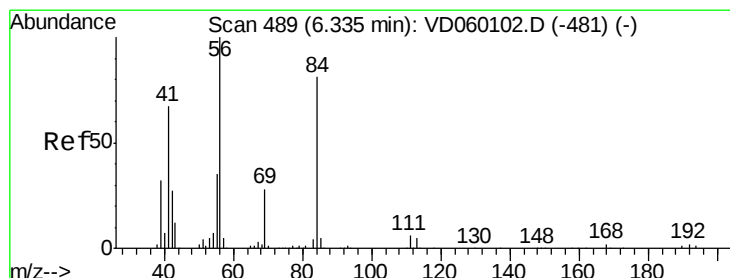
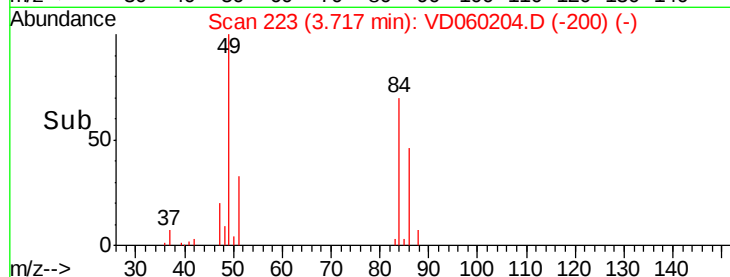
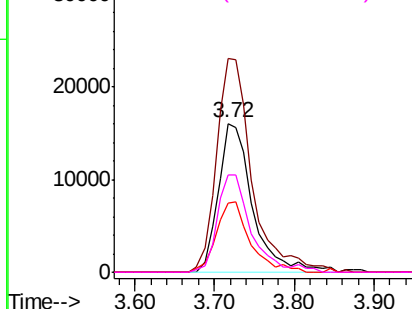
Abundance

Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

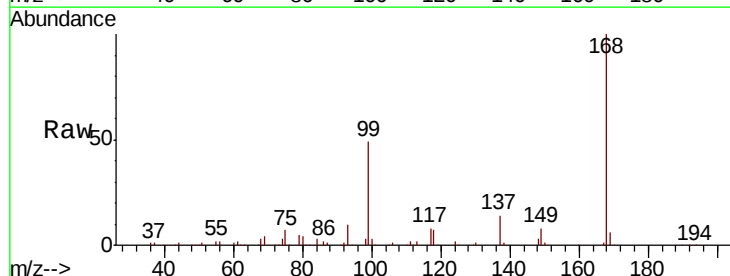
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060204.D
Acq: 25 Oct 2018 19:31

Tgt Ion	56	Resp	29023
Ion	Ratio	Lower	Upper
56	100		
69	228.1	22.8	34.2#
84	185.0	64.9	97.3#

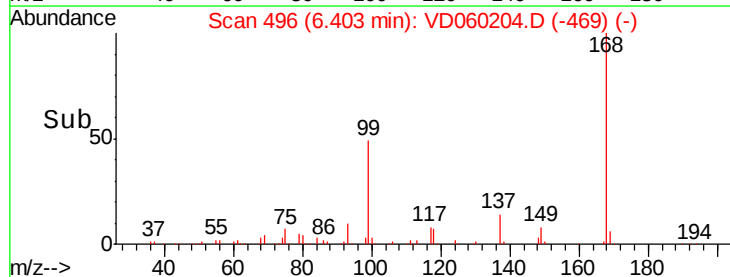
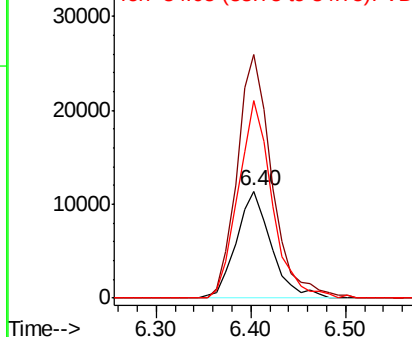


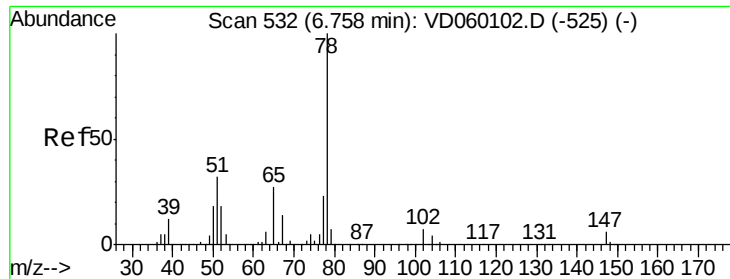
Abundance

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: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060204.D

Acq: 25 Oct 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

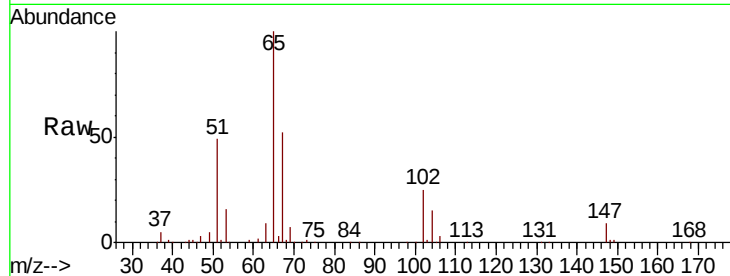
JC-TS-006

Tot Ion: 65 Resp: 758501

Ion Ratio Lower Upper

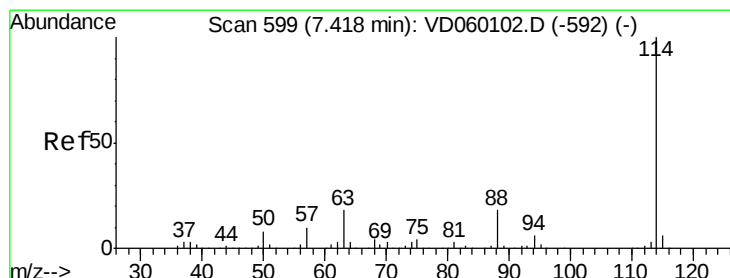
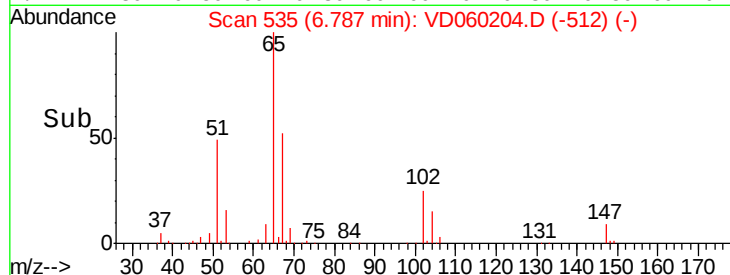
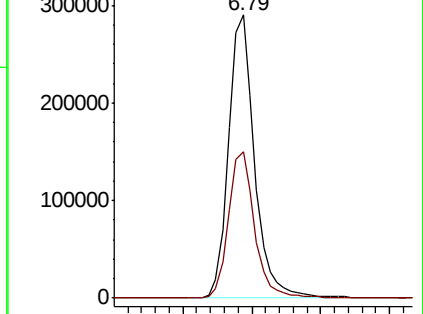
65 100

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: VD060204.D

Acq: 25 Oct 2018 19:31

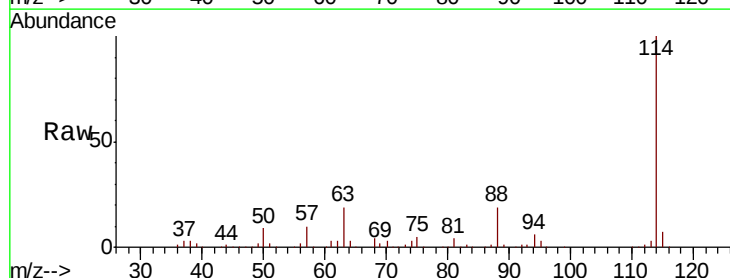
Tgt Ion: 114 Resp: 2211511

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.0

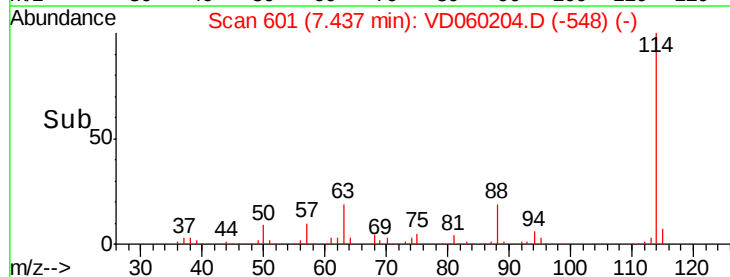
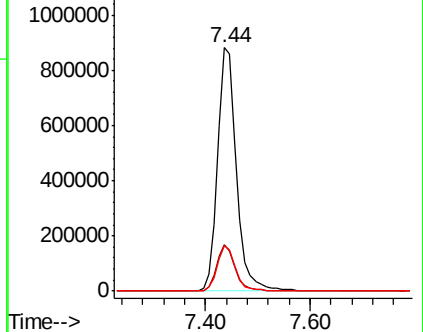
88 18.8 0.0 36.2

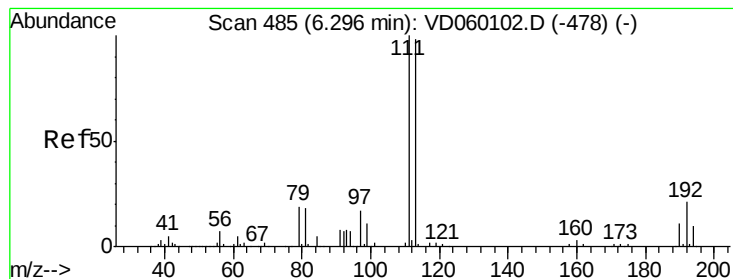


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060204.D

Acq: 25 Oct 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-006

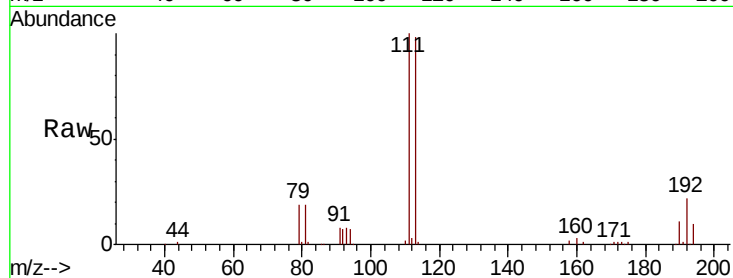
Tot Ion:113 Resp: 920935

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

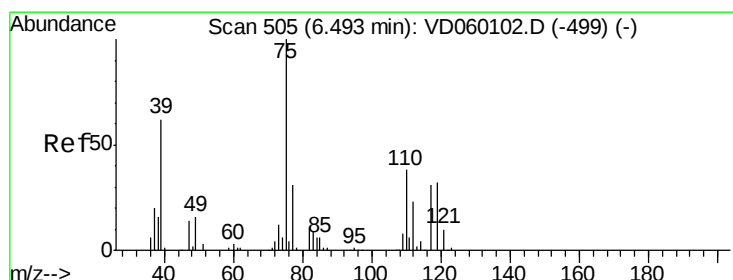
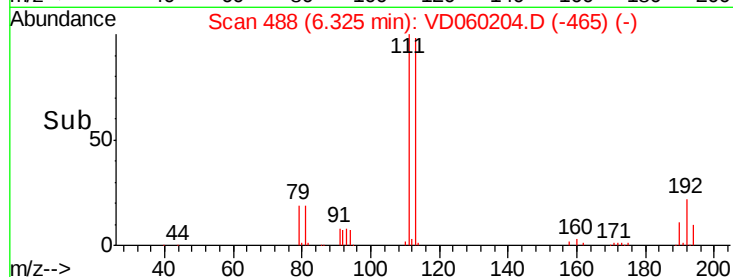
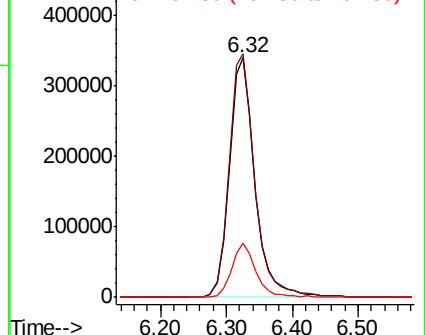
192 22.4 17.4 26.0



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: 5.438 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.09 min

Lab File: VD060204.D

Acq: 25 Oct 2018 19:31

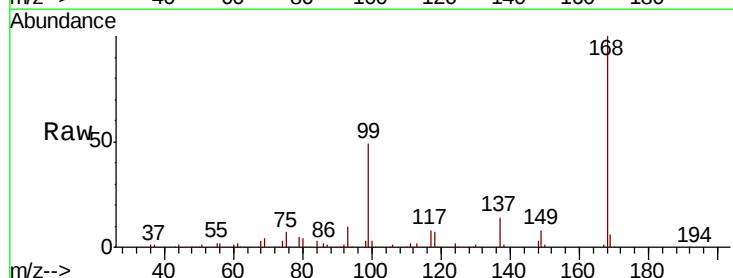
Tgt Ion: 75 Resp: 114930

Ion Ratio Lower Upper

75 100

110 7.1 19.0 57.0#

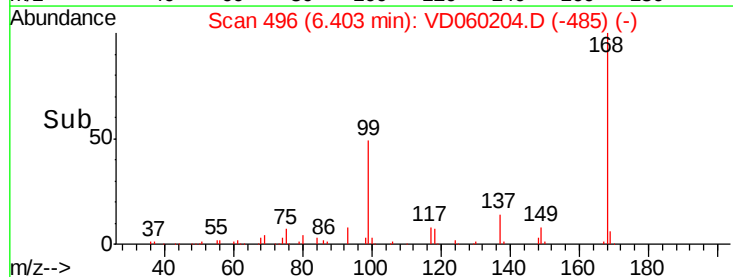
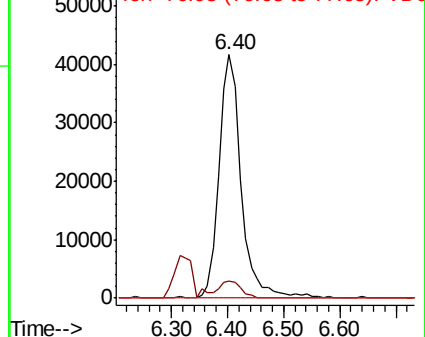
77 0.0 24.9 37.3#

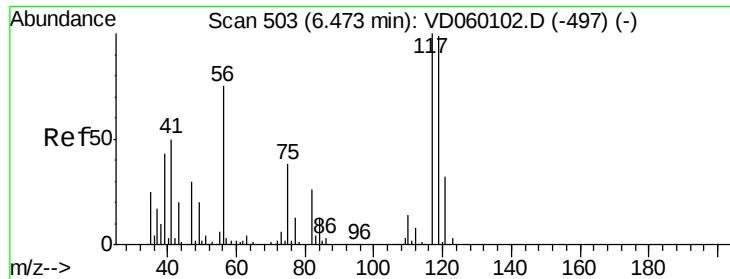


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

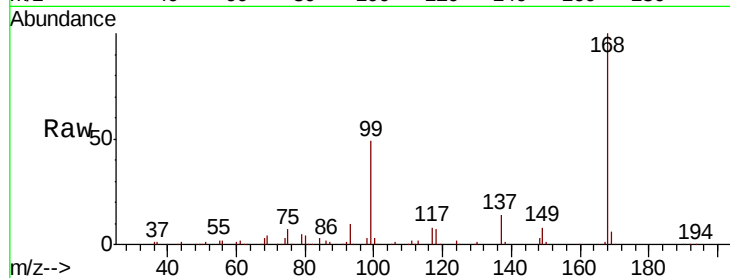




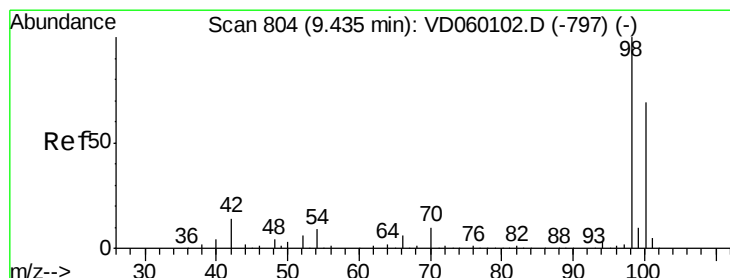
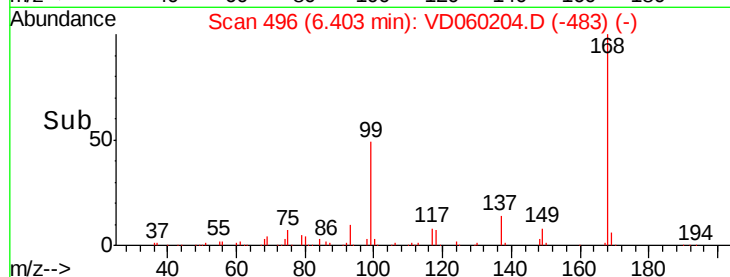
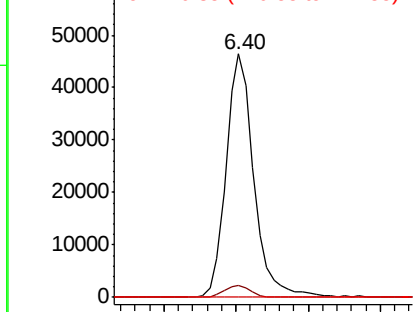
#38
Carbon Tetrachloride
Concen: 6.437 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.07 min
Lab File: VD060204.D
Acq: 25 Oct 2018 19:31

Instrument :
MSVOA_D
ClientSampleId :
JC-TS-006

Tot Ion:117 Resp: 123473
Ion Ratio Lower Upper
117 100
119 5.0 77.8 116.6#
121 0.0 24.8 37.2#

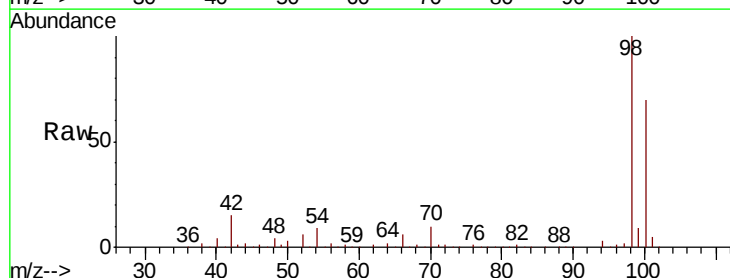


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

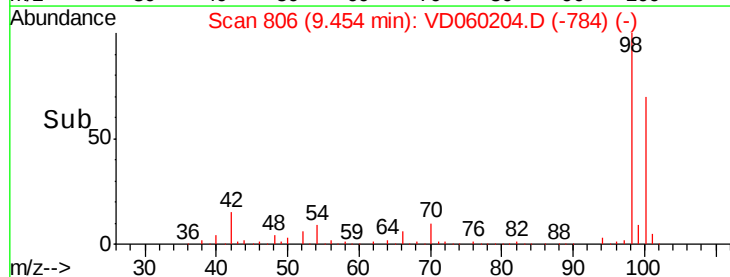
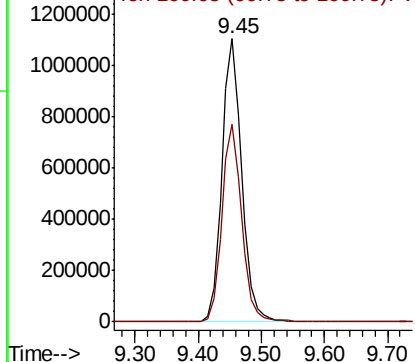


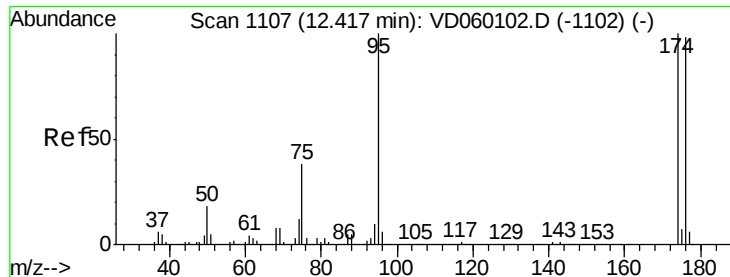
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060204.D
Acq: 25 Oct 2018 19:31

Tgt Ion: 98 Resp: 2409341
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060204.D

Acq: 25 Oct 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-006

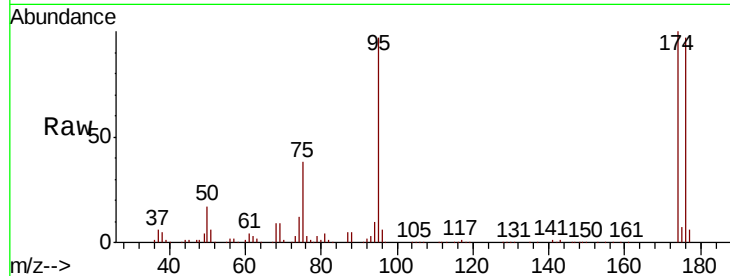
Tot Ion: 95 Resp: 776212

Ion Ratio Lower Upper

95 100

174 102.7 0.0 200.2

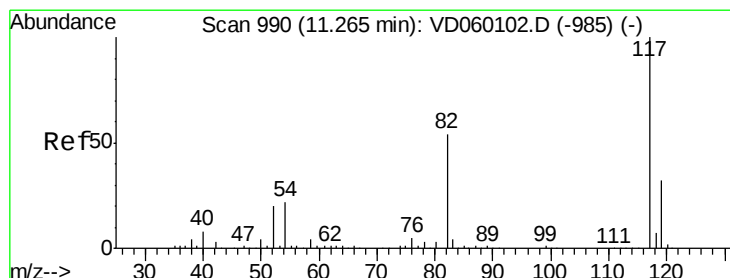
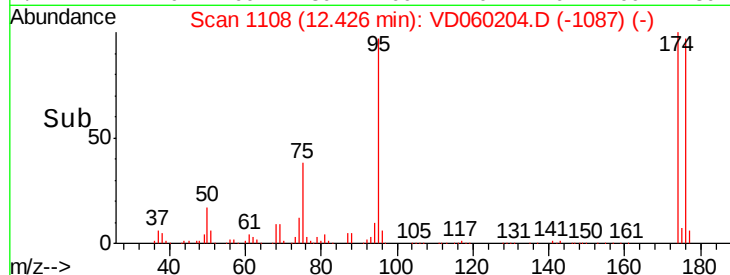
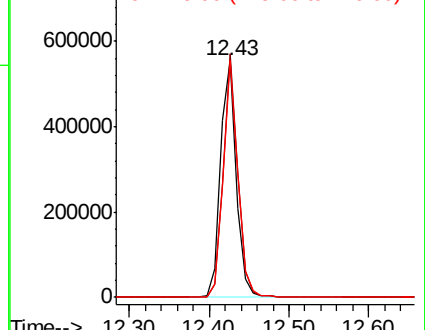
176 100.0 0.0 195.6



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# 992

Delta R.T. 0.02 min

Lab File: VD060204.D

Acq: 25 Oct 2018 19:31

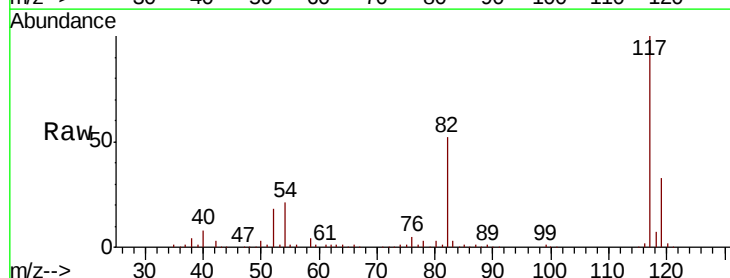
Tgt Ion: 117 Resp: 1646560

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.2

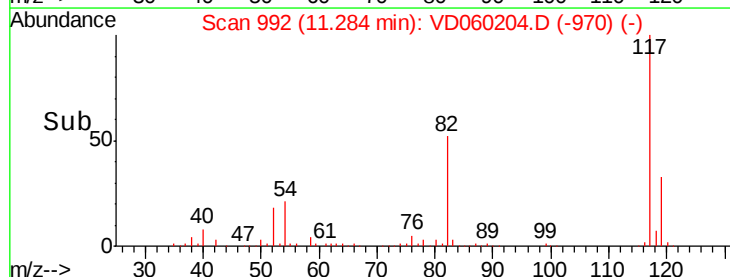
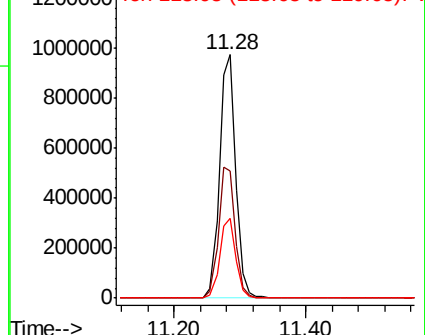
119 33.0 26.0 39.0

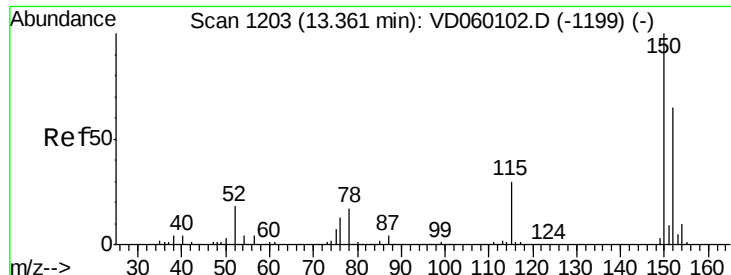


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



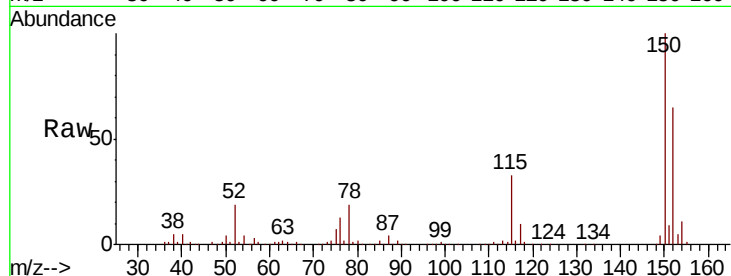


#72

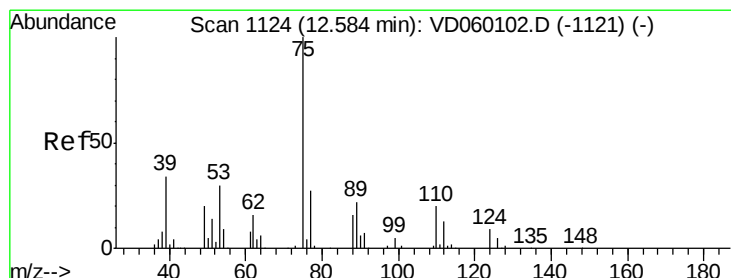
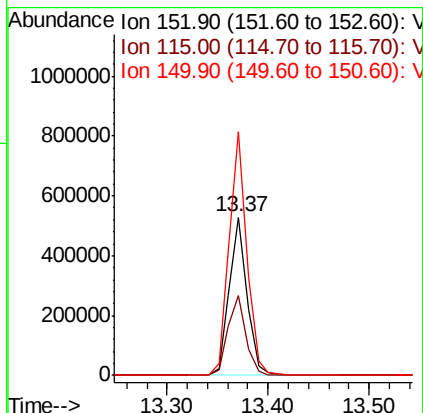
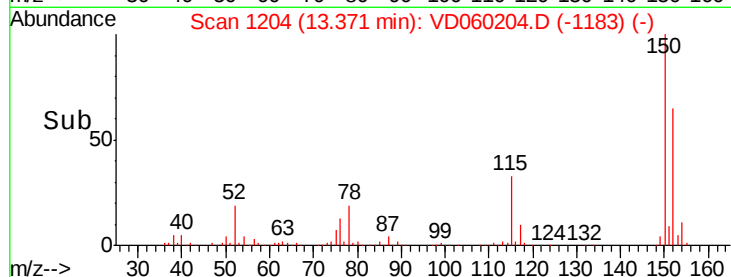
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060204.D
Acq: 25 Oct 2018 19:31

Instrument :
MSVOA_D
ClientSampleId :
JC-TS-006

Tot Ion:152 Resp: 643070
Ion Ratio Lower Upper
152 100
115 50.5 27.1 81.2
150 153.7 0.0 311.8



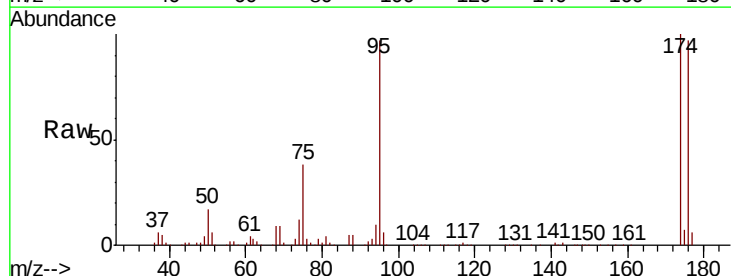
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



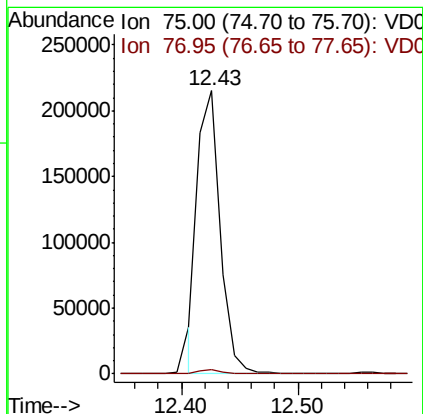
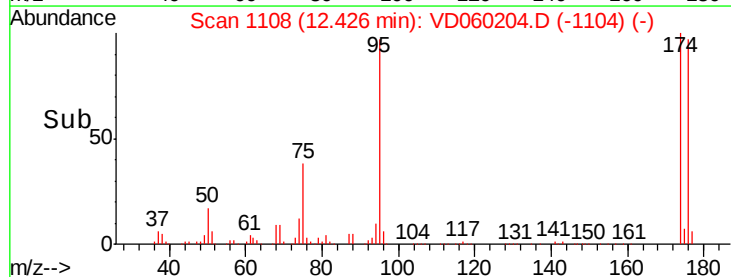
#76

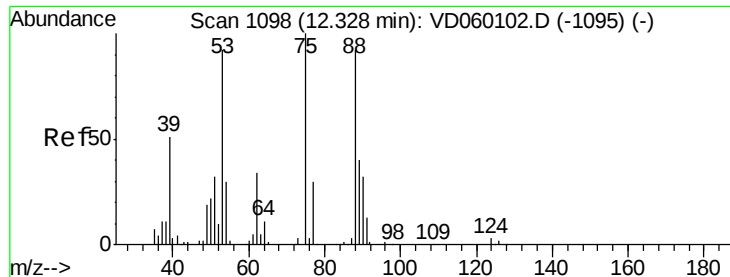
1,2,3-Trichloropropane
Concen: 31.681 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.16 min
Lab File: VD060204.D
Acq: 25 Oct 2018 19:31

Tgt Ion: 75 Resp: 293396
Ion Ratio Lower Upper
75 100
77 1.5 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: 120.694 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060204.D

Acq: 25 Oct 2018 19:31

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-006

Tot Ion: 75 Resp: 314073

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#

