

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060476.D
 Acq On : 3 Dec 2018 15:43
 Operator : VA/AP
 Sample : J5764-29
 Misc : 5.76g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-113018-E

Quant Time: Dec 04 02:22:33 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	6.43	168	610813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	914089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	739698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	338844	50.00	ug/l	0.00

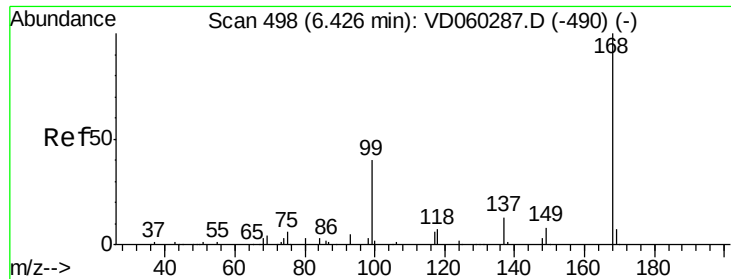
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	335584	76.73	ug/l	0.00
Spiked Amount			Recovery	=	153.46%	
35) Dibromofluoromethane	6.34	113	372063	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
50) Toluene-d8	9.47	98	785953	39.40	ug/l	0.00
Spiked Amount			Recovery	=	78.80%	
62) 4-Bromofluorobenzene	12.44	95	320485	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.98	59	479	2.667	ug/l #	70
16) Acetone	3.19	43	103053	135.840	ug/l	96
18) Methyl Acetate	3.59	43	6392	3.952	ug/l #	63
20) Methylene Chloride	3.75	84	38786	5.763	ug/l	88
25) 2-Butanone	5.66	43	11807	7.488	ug/l #	87
29) Tetrahydrofuran	5.98	42	1525	1.834	ug/l #	41
31) Cyclohexane	6.42	56	11294	1.082	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	42872	4.747	ug/l #	46
38) Carbon Tetrachloride	6.43	117	46375	5.536	ug/l #	16
51) 4-Methyl-2-Pentanone	9.47	43	4632	1.363	ug/l #	1
76) 1,2,3-Trichloropropane	12.44	75	101150	24.955	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	126762	109.847	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060476.D

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ClientSampleId :

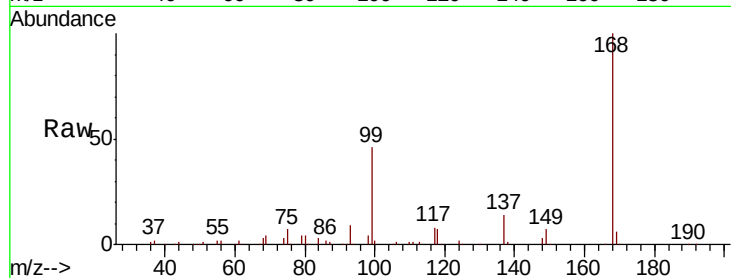
JC-02-113018-E

Tot Ion:168 Resp: 610813

Ion Ratio Lower Upper

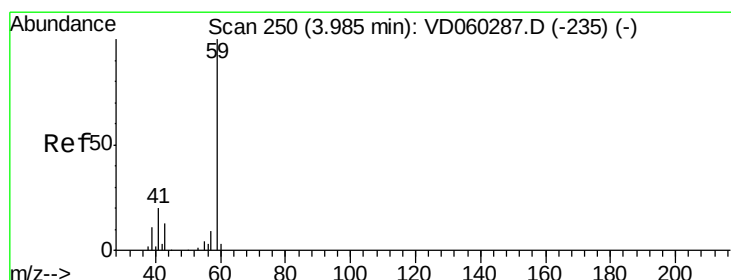
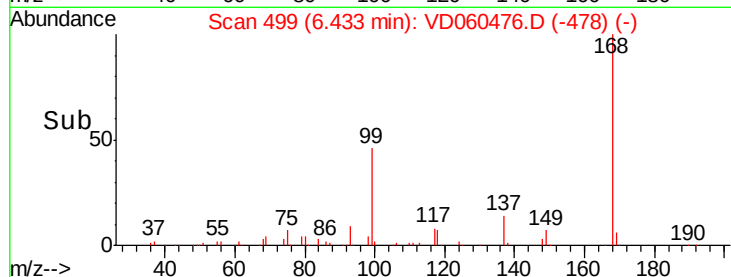
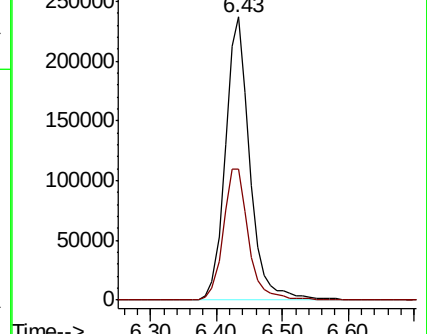
168 100

99 46.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.667 ug/l

RT: 3.98 min Scan# 250

Delta R.T. -0.00 min

Lab File: VD060476.D

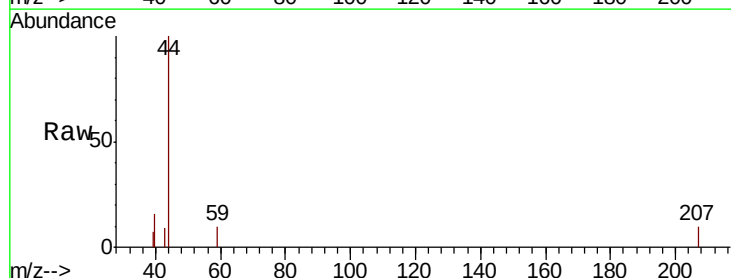
Acq: 3 Dec 2018 15:43

Tgt Ion: 59 Resp: 479

Ion Ratio Lower Upper

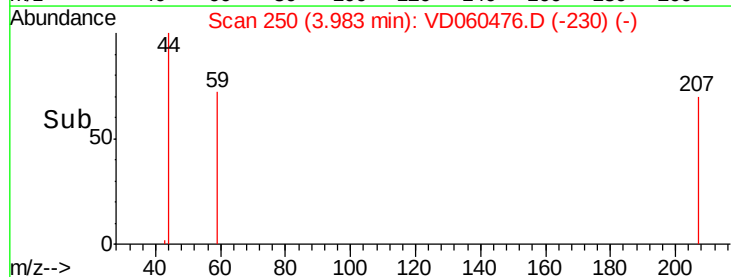
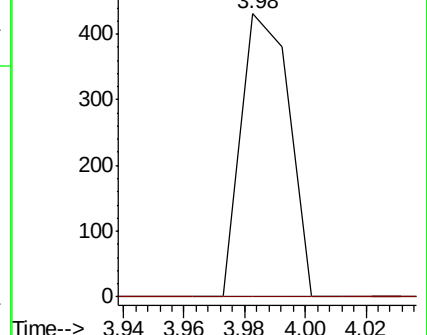
59 100

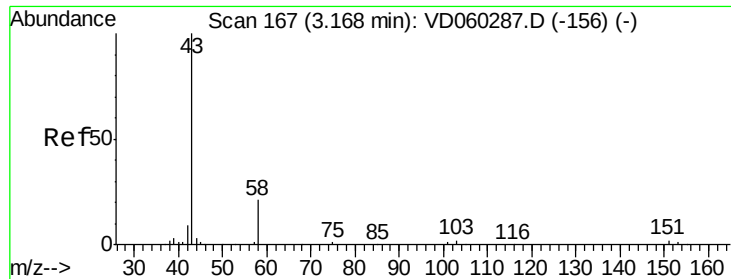
57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 135.840 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060476.D

Acq: 3 Dec 2018 15:43

Instrument :

MSVOA_D

ClientSampleId :

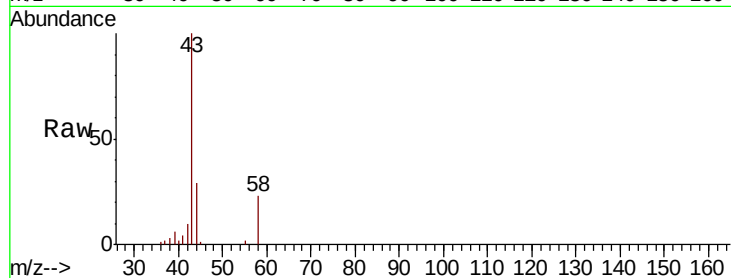
JC-02-113018-E

Tot Ion: 43 Resp: 103053

Ion Ratio Lower Upper

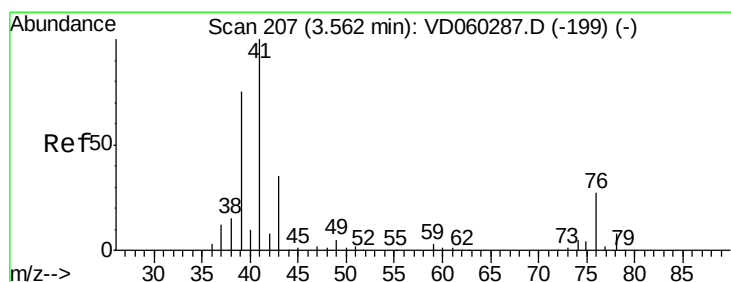
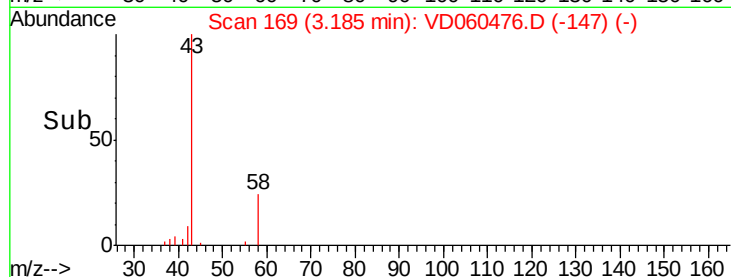
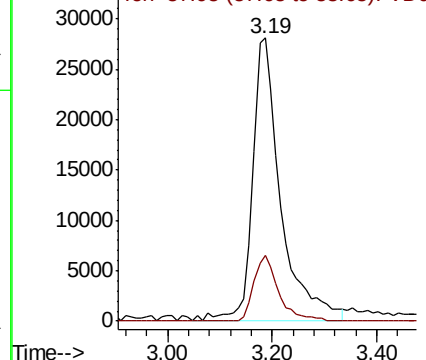
43 100

58 23.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.952 ug/l

RT: 3.59 min Scan# 210

Delta R.T. 0.03 min

Lab File: VD060476.D

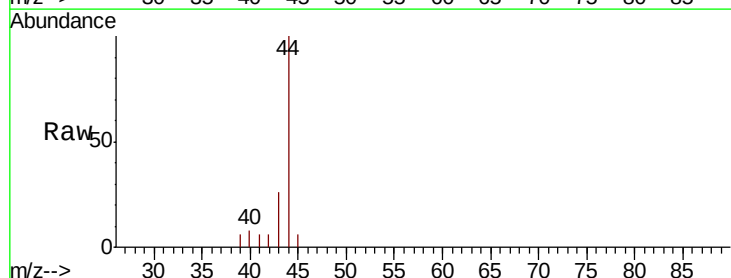
Acq: 3 Dec 2018 15:43

Tgt Ion: 43 Resp: 6392

Ion Ratio Lower Upper

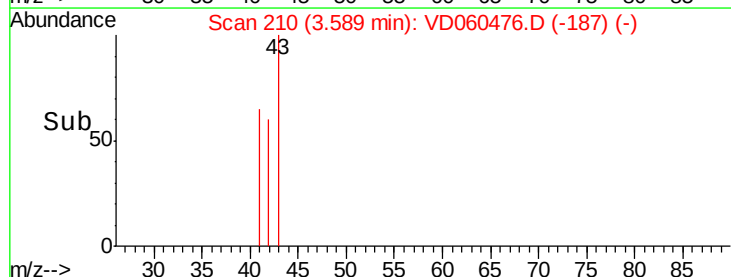
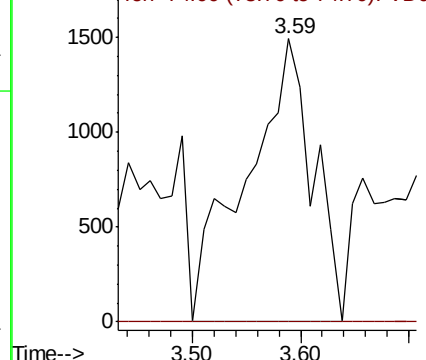
43 100

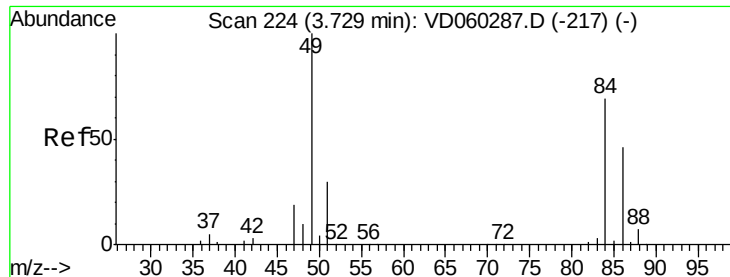
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

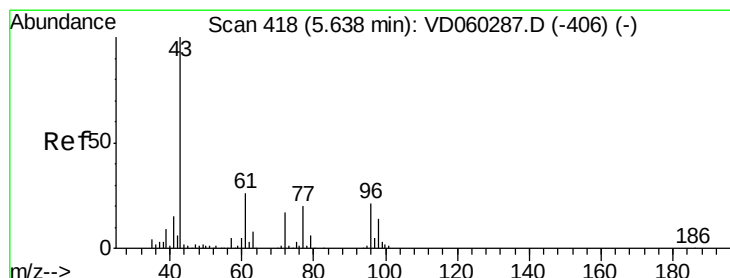
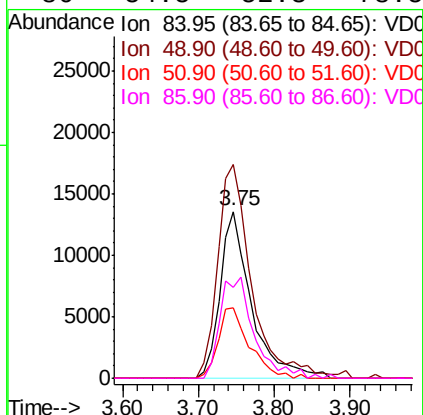
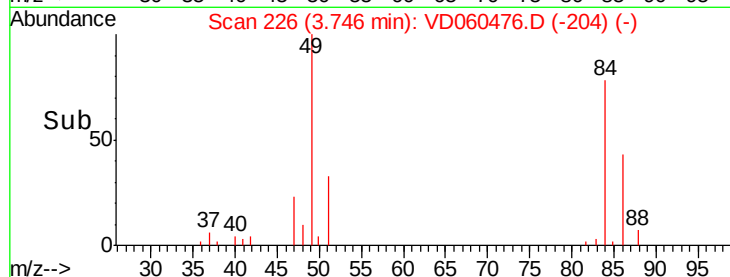
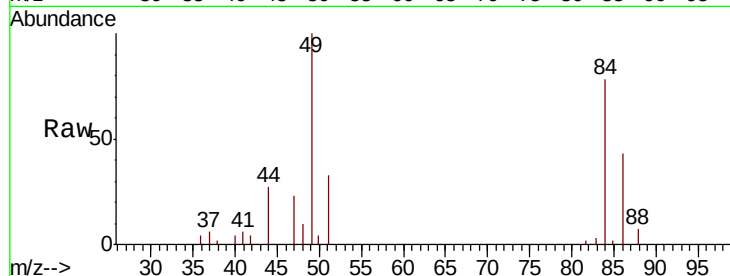




#20
Methvlene Chloride
Concen: 5.763 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060476.D
Acq: 3 Dec 2018 15:43

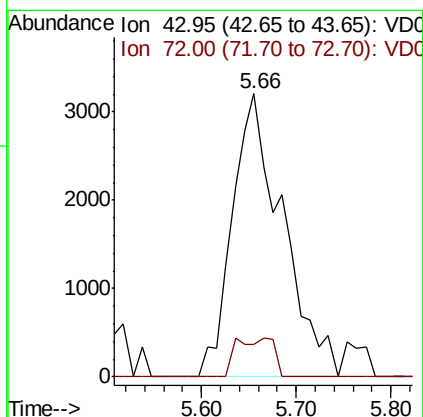
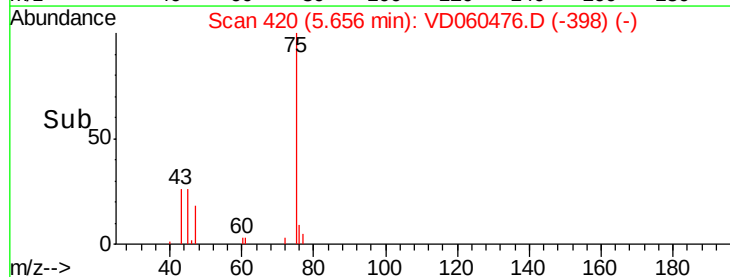
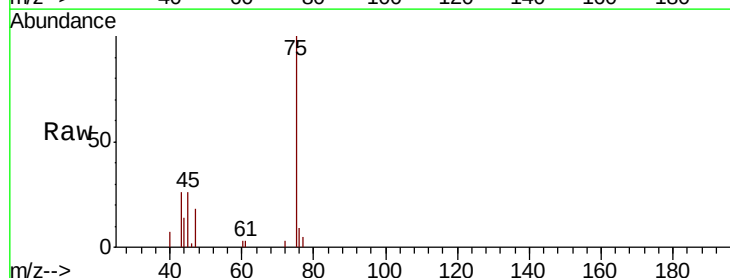
Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-E

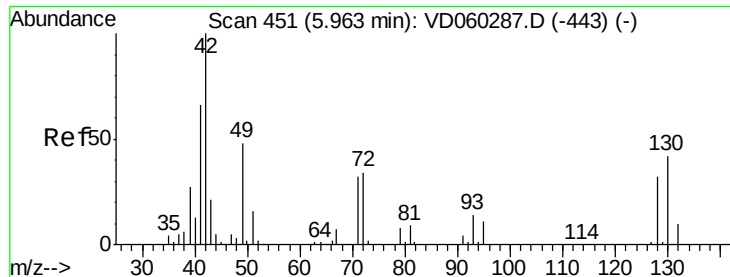
Tot Ion: 84 Resp: 38786
Ion Ratio Lower Upper
84 100
49 128.3 115.6 173.4
51 42.0 35.6 53.4
86 54.5 52.3 78.5



#25
2-Butanone
Concen: 7.488 ug/l
RT: 5.66 min Scan# 420
Delta R.T. 0.02 min
Lab File: VD060476.D
Acq: 3 Dec 2018 15:43

Tgt Ion: 43 Resp: 11807
Ion Ratio Lower Upper
43 100
72 11.6 13.8 20.8#





#29

Tetrahydrofuran

Concen: 1.834 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060476.D

Acq: 3 Dec 2018 15:43

Instrument :

MSVOA_D

ClientSampleId :

JC-02-113018-E

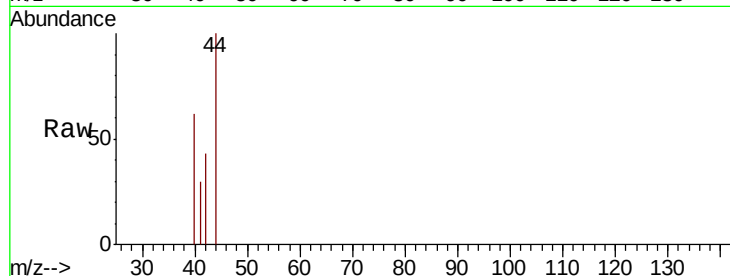
Tot Ion: 42 Resp: 1525

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

71 0.0 26.5 39.7#



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

5.98

600

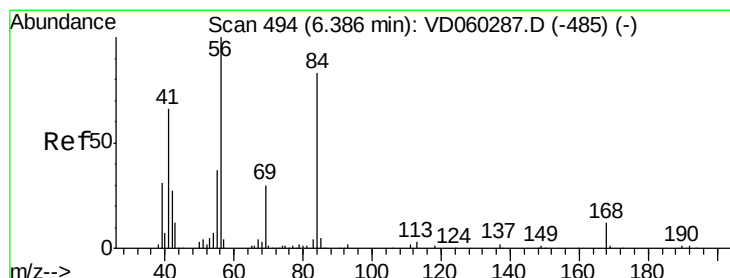
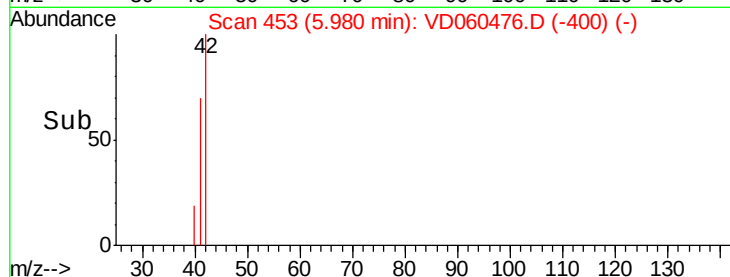
400

200

0

5.95 6.00

Time-->



#31

Cyclohexane

Concen: 1.082 ug/l

RT: 6.42 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060476.D

Acq: 3 Dec 2018 15:43

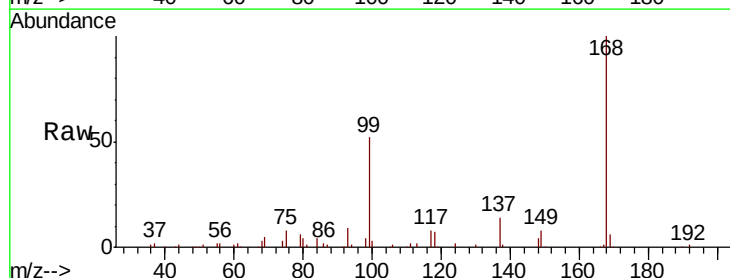
Tgt Ion: 56 Resp: 11294

Ion Ratio Lower Upper

56 100

69 227.6 22.2 33.2#

84 181.4 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

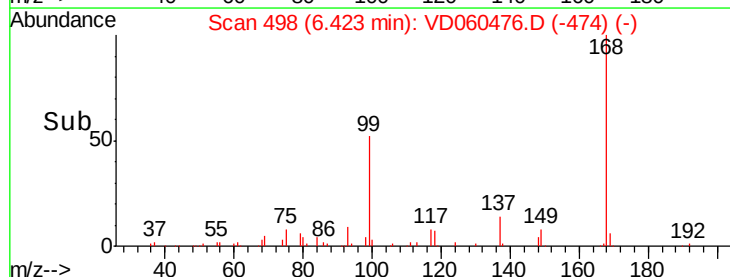
10000

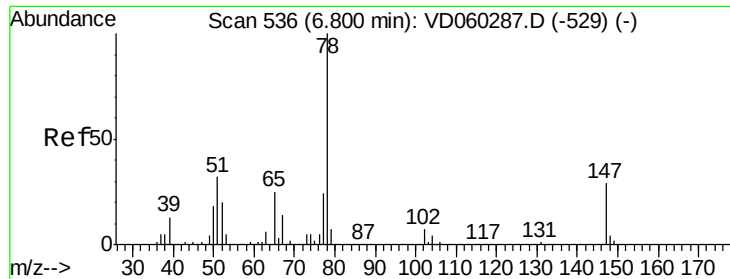
5000

0

6.35 6.40 6.45 6.50

Time-->

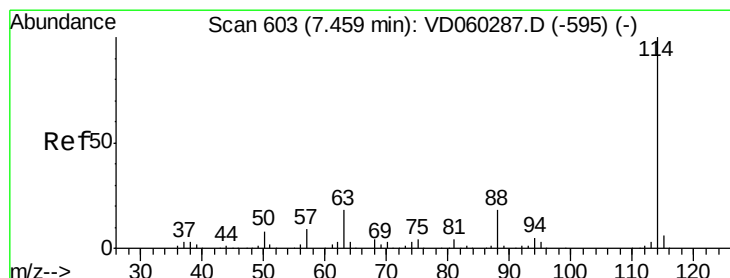
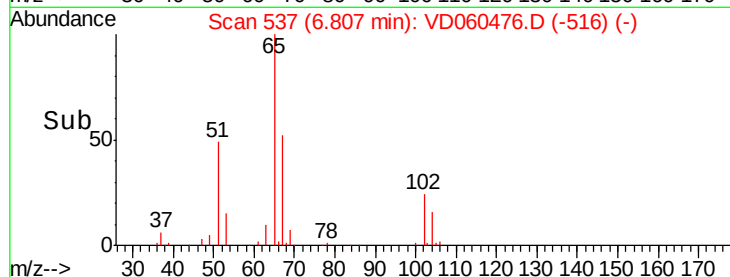
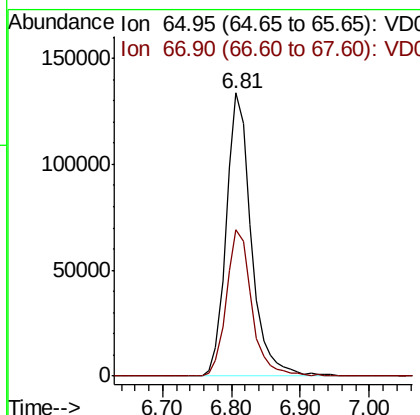
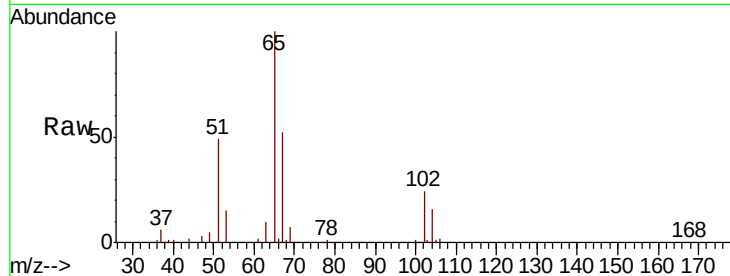




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060476.D
 Acq: 3 Dec 2018 15:43

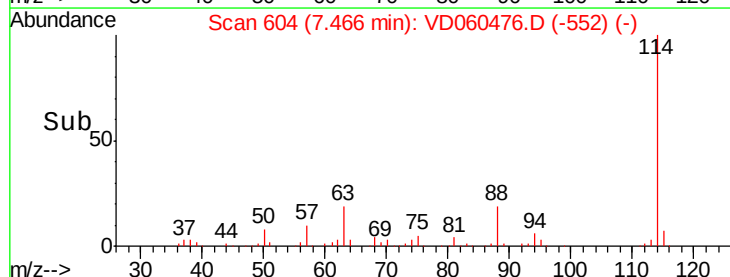
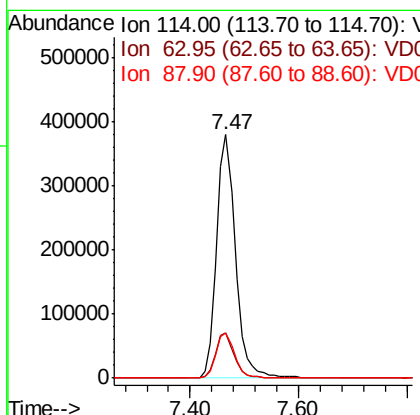
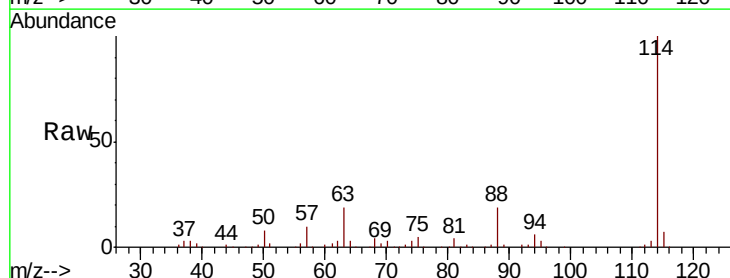
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-113018-E

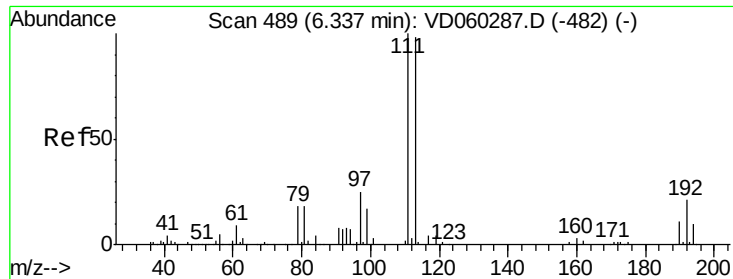
Tot Ion: 65 Resp: 335584
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060476.D
 Acq: 3 Dec 2018 15:43

Tgt Ion: 114 Resp: 914089
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.0
 88 18.6 0.0 35.4

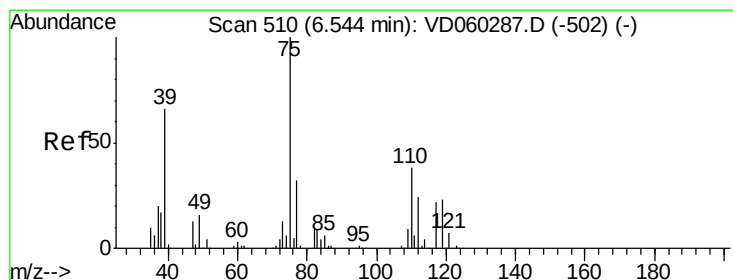
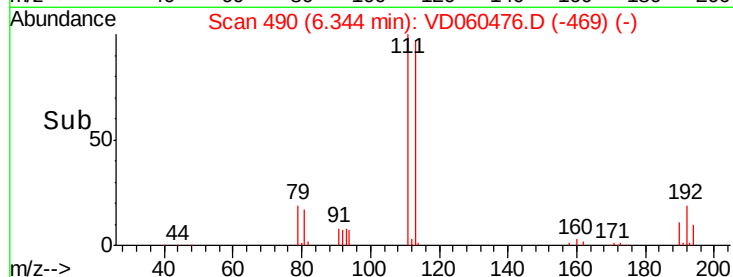
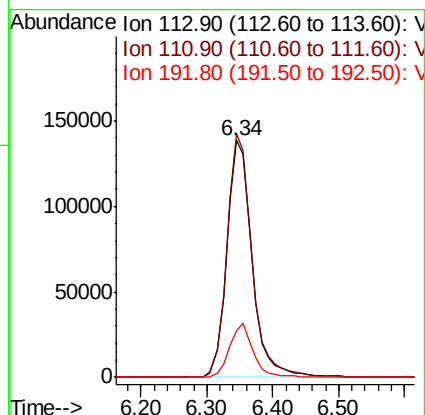
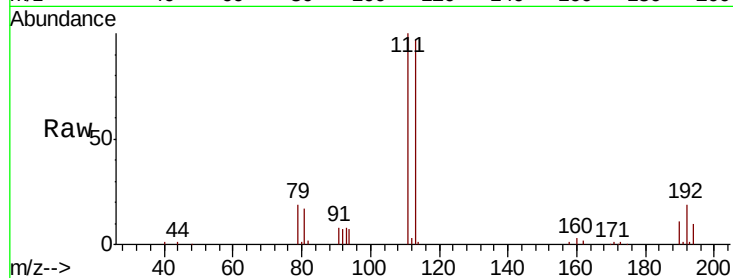




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060476.D
Acq: 3 Dec 2018 15:43

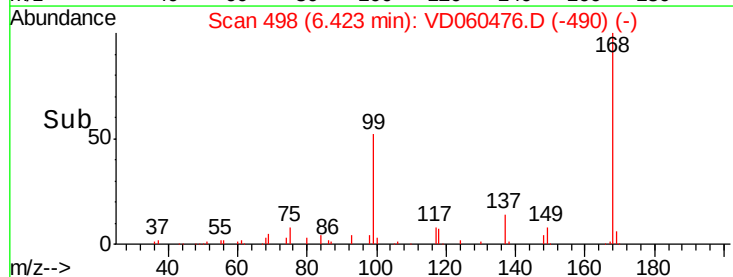
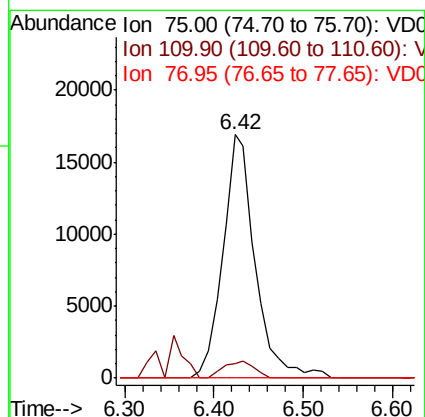
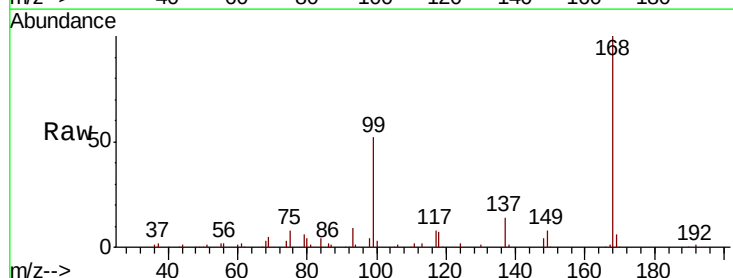
Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-E

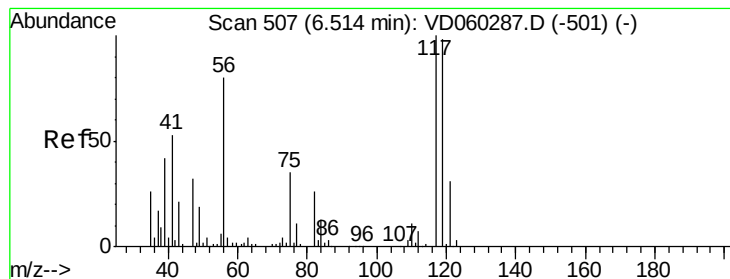
Tot Ion:113 Resp: 372063
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 19.7 16.5 24.7



#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.12 min
Lab File: VD060476.D
Acq: 3 Dec 2018 15:43

Tgt Ion: 75 Resp: 42872
Ion Ratio Lower Upper
75 100
110 6.0 18.0 54.0#
77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 5.536 ug/l

RT: 6.43 min Scan# 499

Delta R.T. -0.08 min

Lab File: VD060476.D

Acq: 3 Dec 2018 15:43

Instrument :

MSVOA_D

ClientSampleId :

JC-02-113018-E

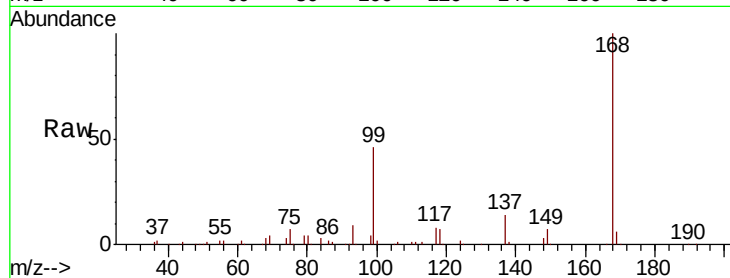
Tot Ion:117 Resp: 46375

Ion Ratio Lower Upper

117 100

119 4.8 76.6 115.0#

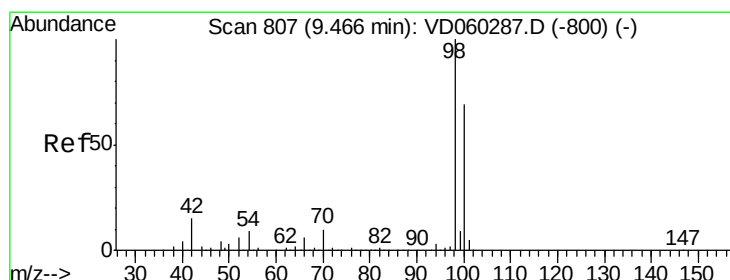
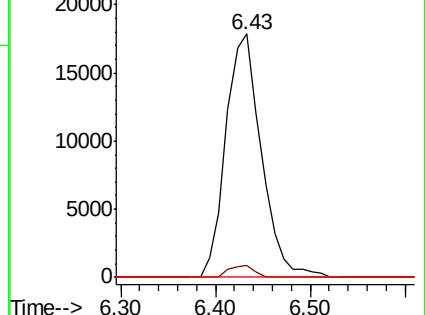
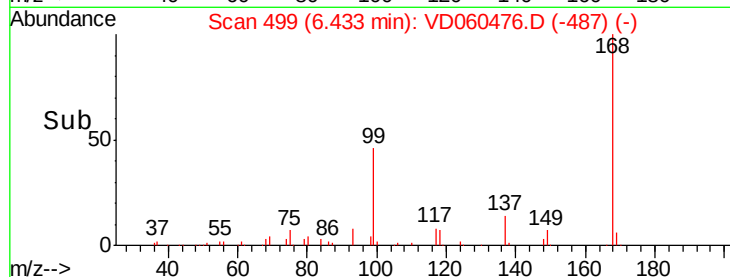
121 0.0 24.3 36.5#



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: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060476.D

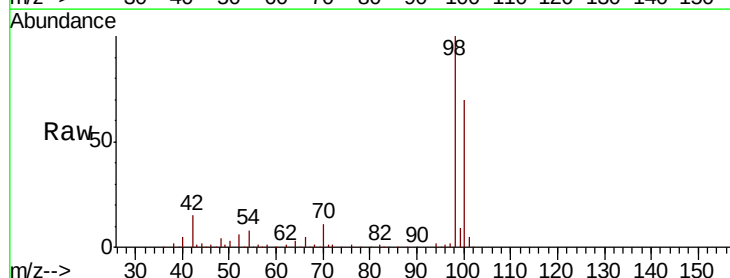
Acq: 3 Dec 2018 15:43

Tgt Ion: 98 Resp: 785953

Ion Ratio Lower Upper

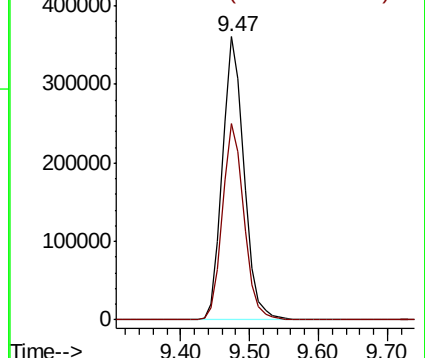
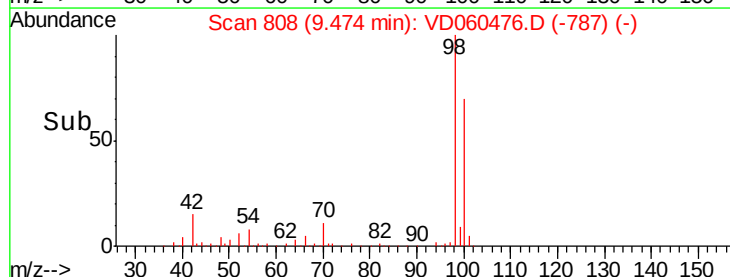
98 100

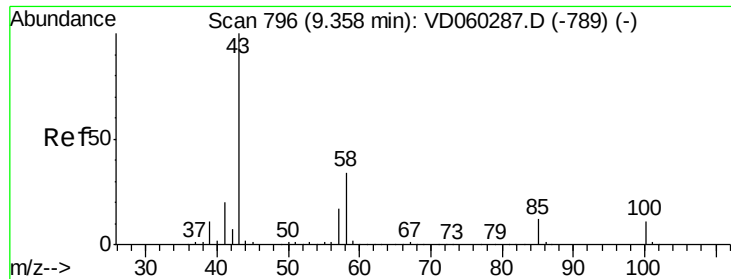
100 69.5 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.363 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.12 min

Lab File: VD060476.D

Acq: 3 Dec 2018 15:43

Instrument :

MSVOA_D

ClientSampleId :

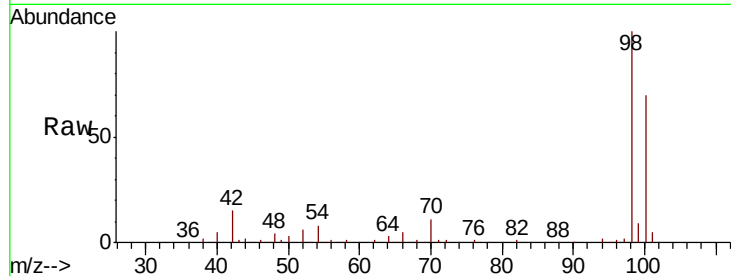
JC-02-113018-E

Tot Ion: 43 Resp: 4632

Ion Ratio Lower Upper

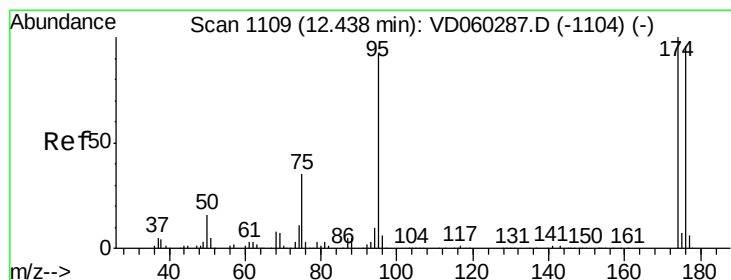
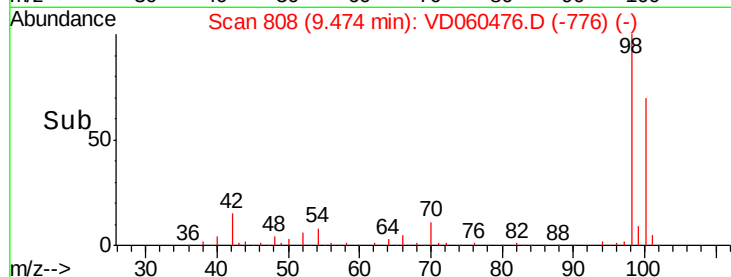
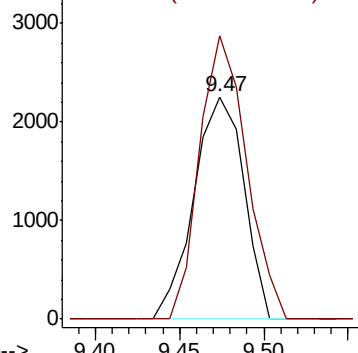
43 100

58 127.2 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 57.95 (57.65 to 58.65): VD0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060476.D

Acq: 3 Dec 2018 15:43

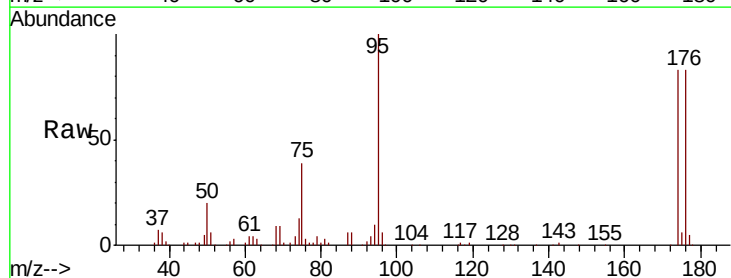
Tgt Ion: 95 Resp: 320485

Ion Ratio Lower Upper

95 100

174 83.5 0.0 160.8

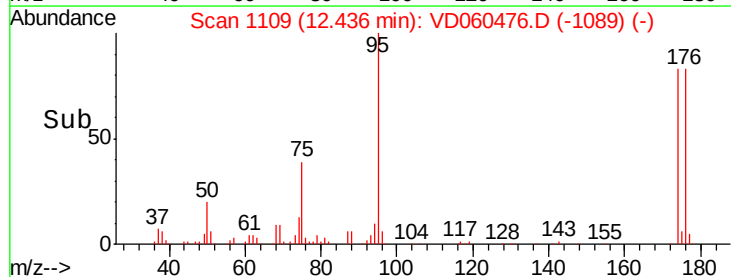
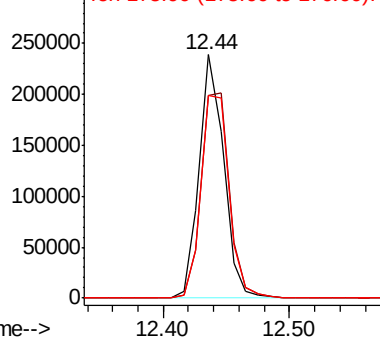
176 83.1 0.0 154.6

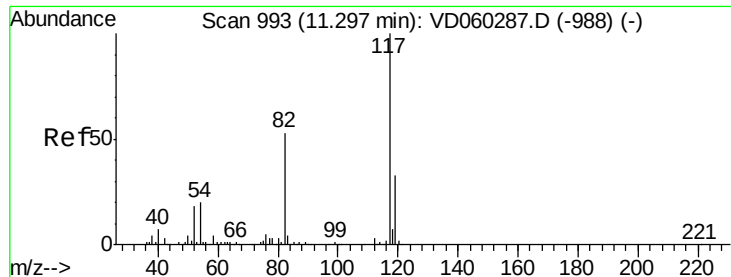


Abundance Ion 95.00 (94.70 to 95.70): VD0

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

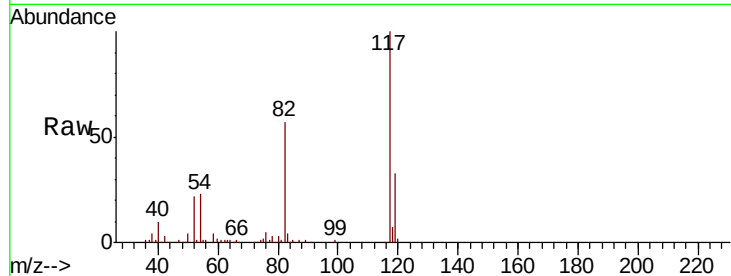




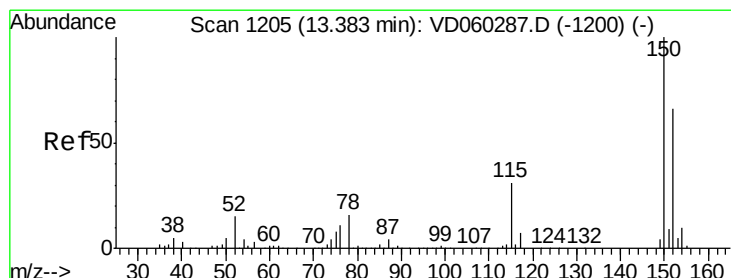
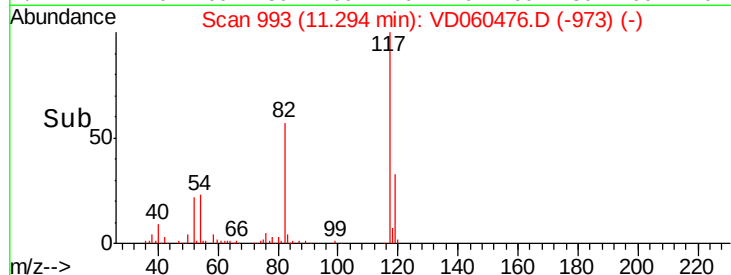
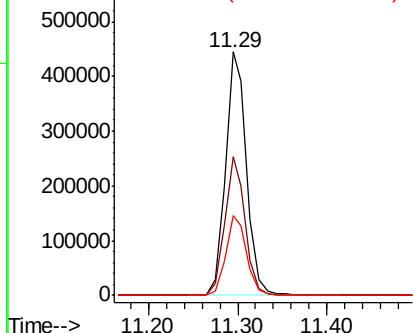
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060476.D
Acq: 3 Dec 2018 15:43

Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-E

Tot Ion:117 Resp: 739698
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 33.0 26.1 39.1

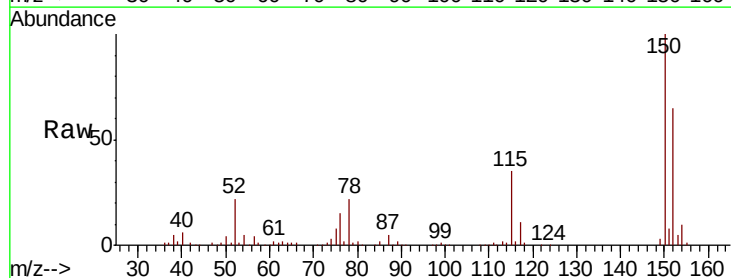


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

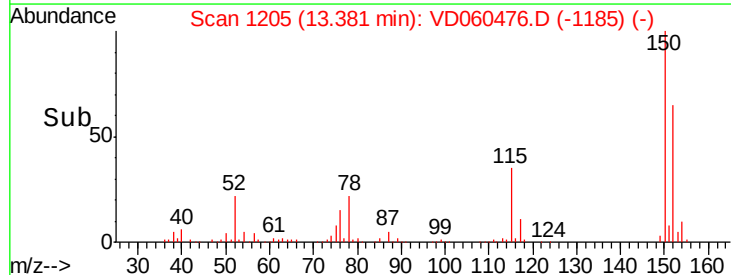
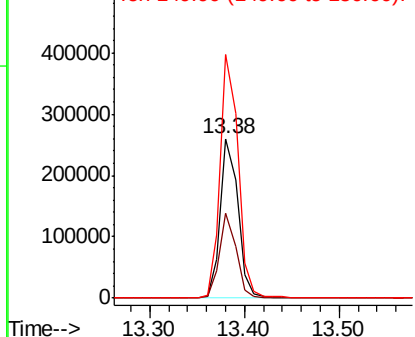


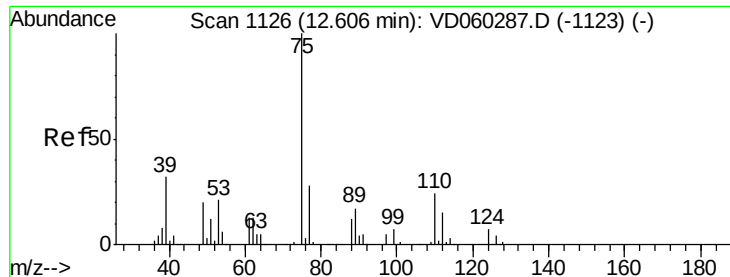
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060476.D
Acq: 3 Dec 2018 15:43

Tgt Ion:152 Resp: 338844
Ion Ratio Lower Upper
152 100
115 53.1 24.1 72.3
150 152.8 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

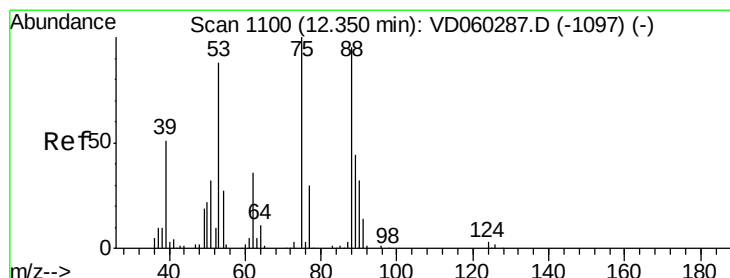
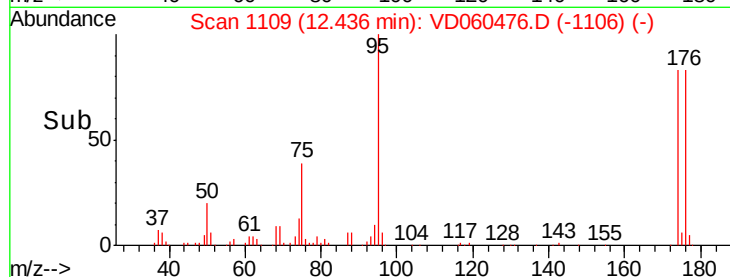
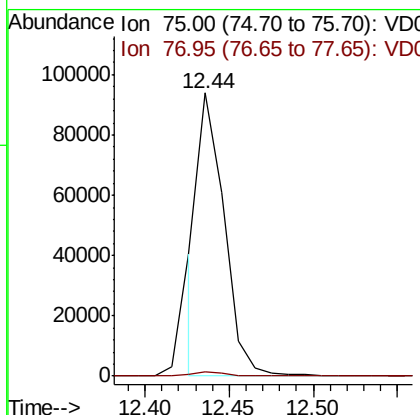
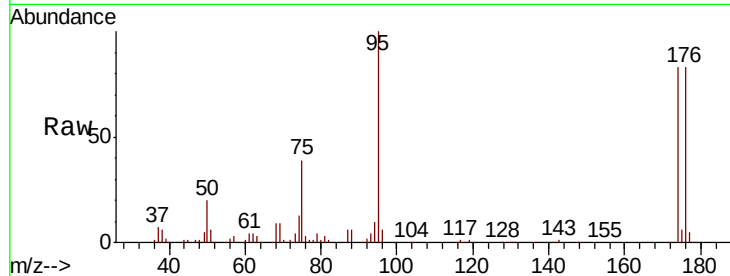




#76
 1,2,3-Trichloropropane
 Concen: 24.955 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.17 min
 Lab File: VD060476.D
 Acq: 3 Dec 2018 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-113018-E

Tot Ion: 75 Resp: 101150
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.4 49.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.847 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. 0.09 min
 Lab File: VD060476.D
 Acq: 3 Dec 2018 15:43

Tgt Ion: 75 Resp: 126762
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#

