

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060471.D
 Acq On : 3 Dec 2018 13:21
 Operator : VA/AP
 Sample : J5764-21
 Misc : 5.42g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 04 02:21:31 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	6.44	168	1500827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	2076722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1640215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	781085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	447016	41.60	ug/l	0.00
Spiked Amount			Recovery	=	83.20%	
35) Dibromofluoromethane	6.35	113	644201	41.60	ug/l	0.00
Spiked Amount			Recovery	=	83.20%	
50) Toluene-d8	9.48	98	1798572	39.68	ug/l	0.00
Spiked Amount			Recovery	=	79.36%	
62) 4-Bromofluorobenzene	12.44	95	651820	39.69	ug/l	0.00
Spiked Amount			Recovery	=	79.38%	

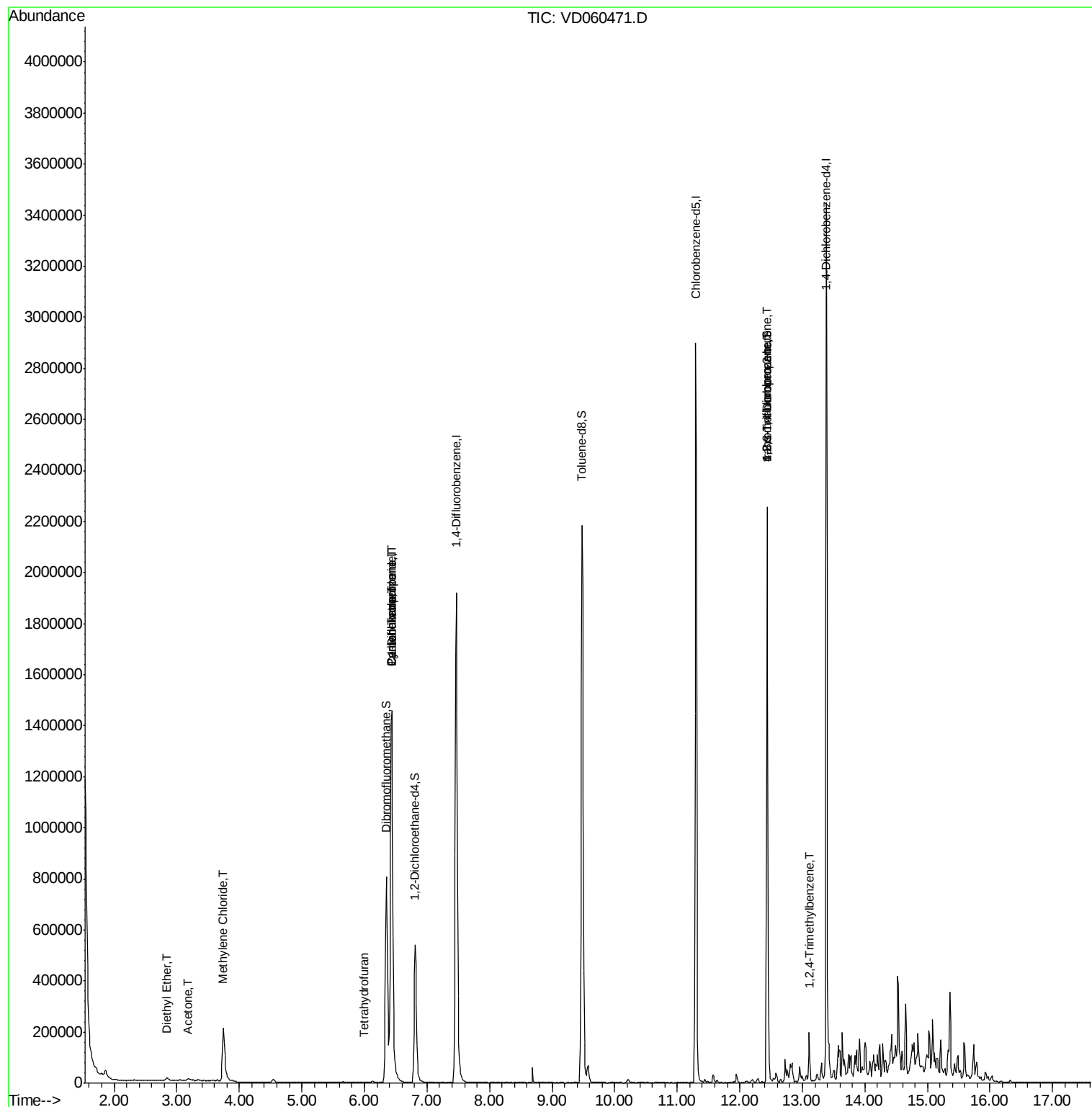
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	915	Below Cal	#	41
8) Diethyl Ether	2.84	74	3985	1.608	ug/l	87
16) Acetone	3.18	43	19351	10.381	ug/l	98
20) Methylene Chloride	3.75	84	146029	8.831	ug/l	98
29) Tetrahydrofuran	5.98	42	2089	1.023	ug/l #	50
31) Cyclohexane	6.43	56	26883	1.048	ug/l #	1
36) 1,1-Dichloropropene	6.43	75	98709	4.811	ug/l #	47
38) Carbon Tetrachloride	6.44	117	117671	6.183	ug/l #	16
76) 1,2,3-Trichloropropane	12.44	75	201190	21.532	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.44	75	261472	98.294	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.11	105	79901	1.809	ug/l	100
89) n-Butylbenzene	13.66	91	22543	Below Cal		82

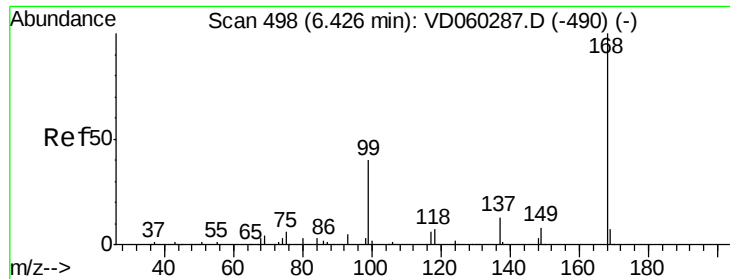
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060471.D

Acq: 3 Dec 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

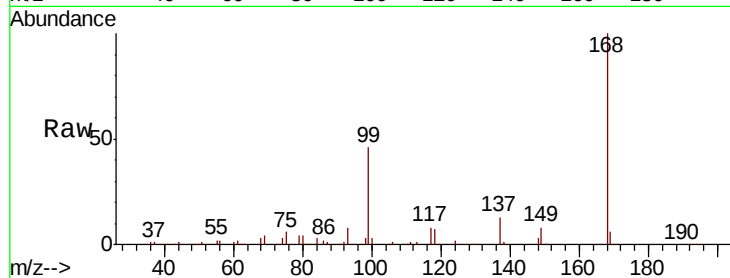
JC-02-113018-A

Tot Ion:168 Resp: 1500827

Ion Ratio Lower Upper

168 100

99 46.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

600000

500000

400000

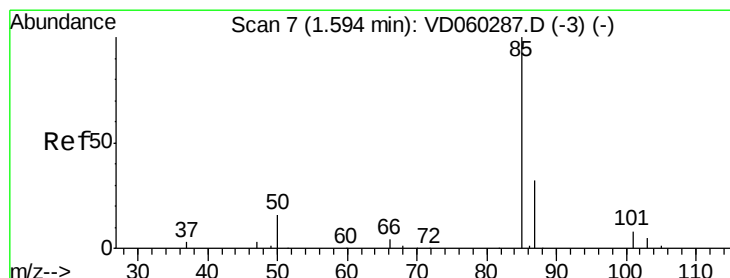
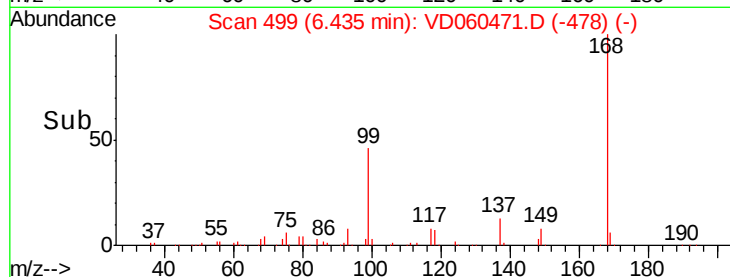
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060471.D

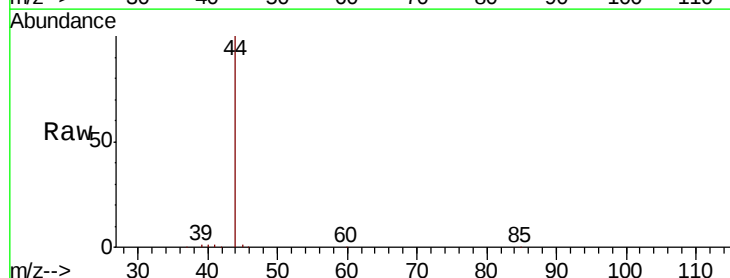
Acq: 3 Dec 2018 13:21

Tgt Ion: 85 Resp: 915

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

800

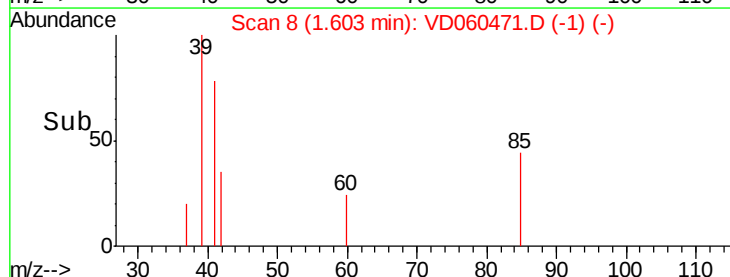
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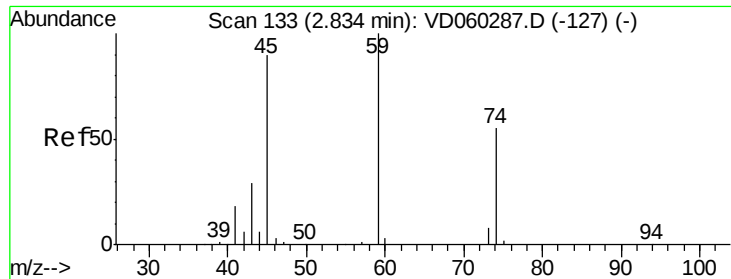
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.608 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.01 min

Lab File: VD060471.D

Acq: 3 Dec 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

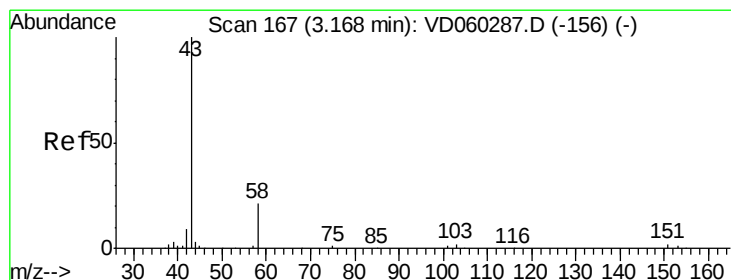
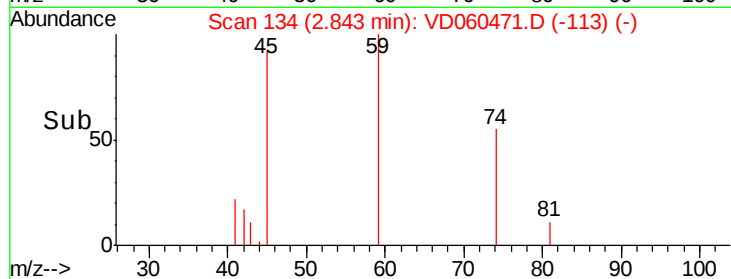
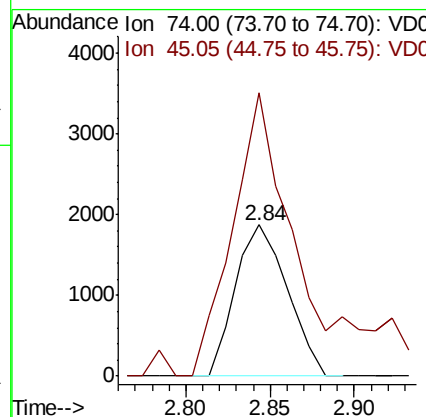
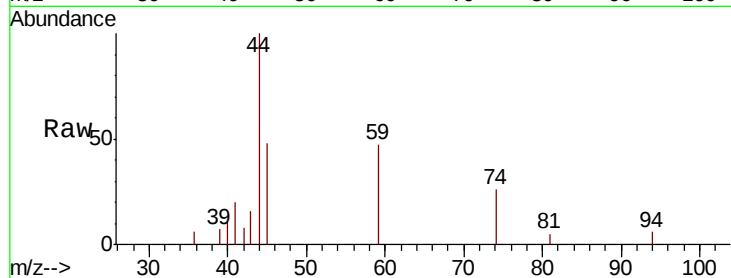
JC-02-113018-A

Tot Ion: 74 Resp: 3985

Ion Ratio Lower Upper

74 100

45 187.2 84.8 254.4



#16

Acetone

Concen: 10.381 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060471.D

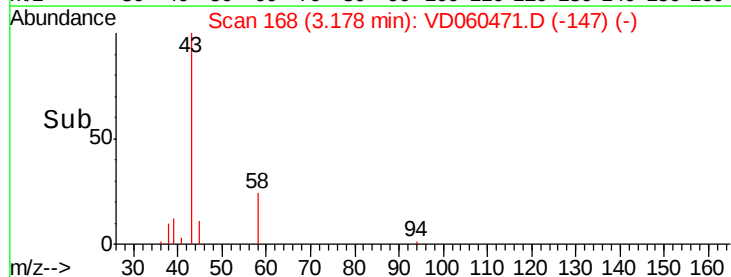
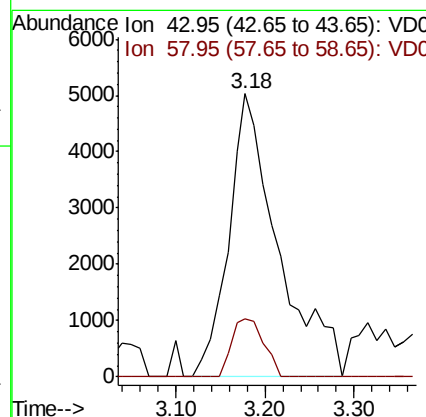
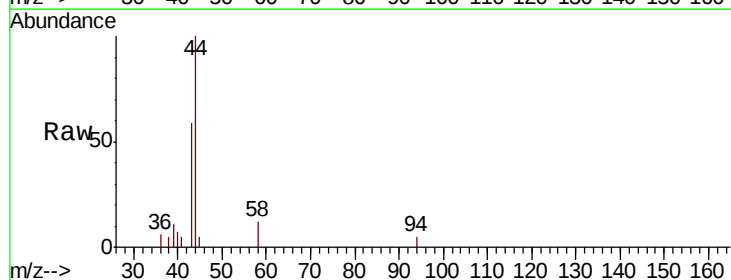
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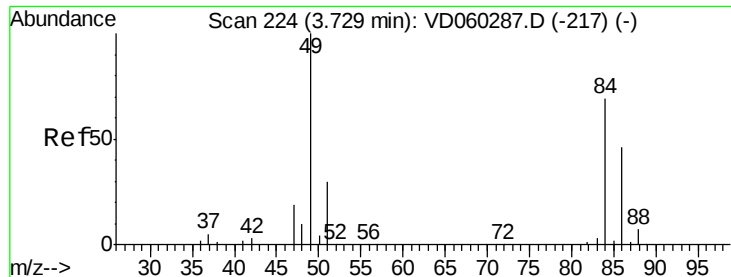
Tgt Ion: 43 Resp: 19351

Ion Ratio Lower Upper

43 100

58 20.3 16.9 25.3

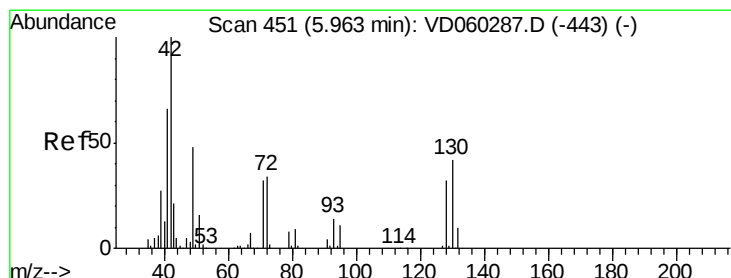
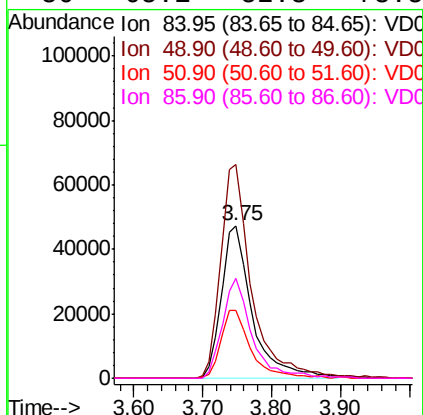
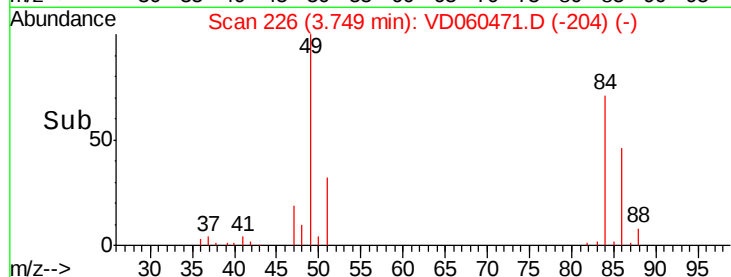
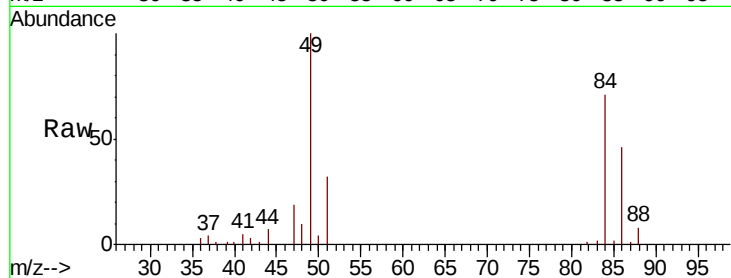




#20
Methvlene Chloride
Concen: 8.831 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

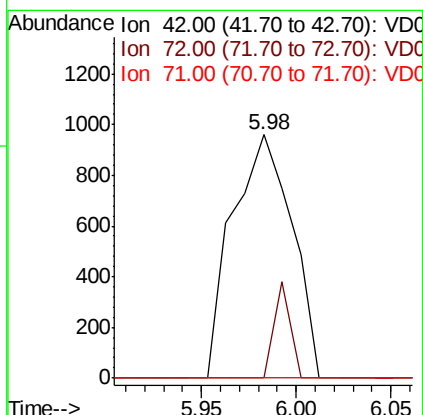
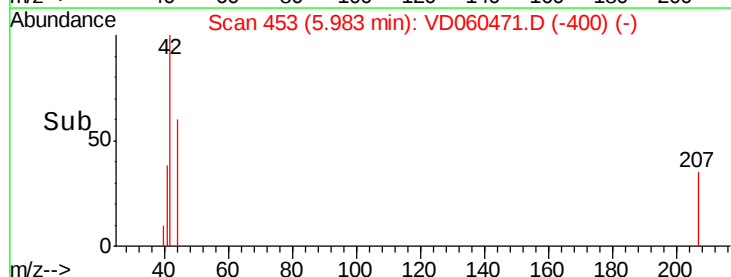
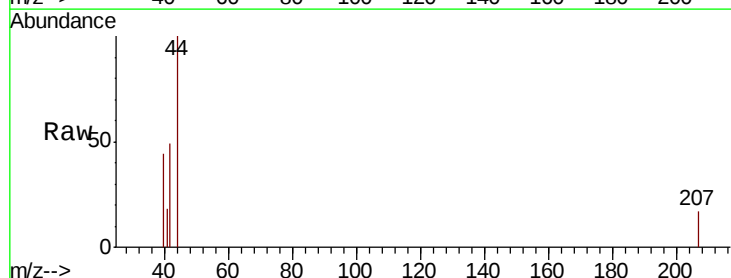
Instrument :
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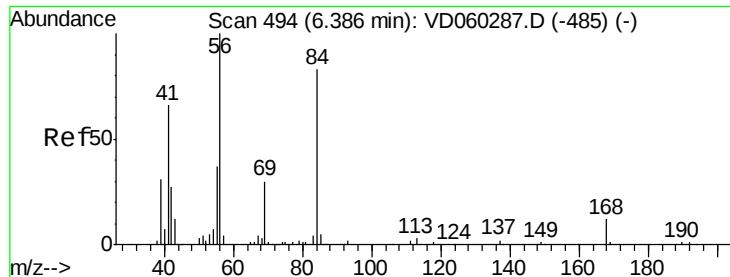
Tot Ion: 84 Resp: 146029
Ion Ratio Lower Upper
84 100
49 140.1 115.6 173.4
51 44.6 35.6 53.4
86 65.1 52.3 78.5



#29
Tetrahydrofuran
Concen: 1.023 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

Tgt Ion: 42 Resp: 2089
Ion Ratio Lower Upper
42 100
72 10.7 27.6 41.4#
71 0.0 26.5 39.7#

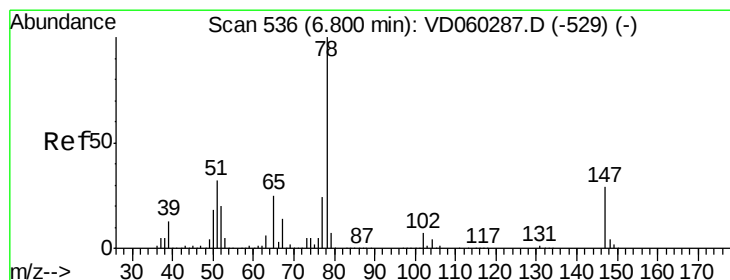
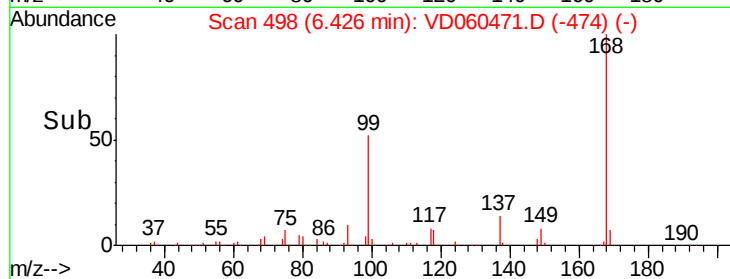
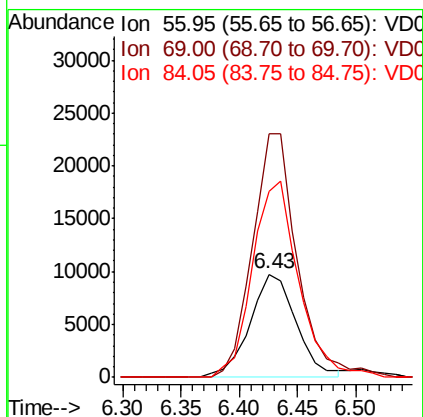
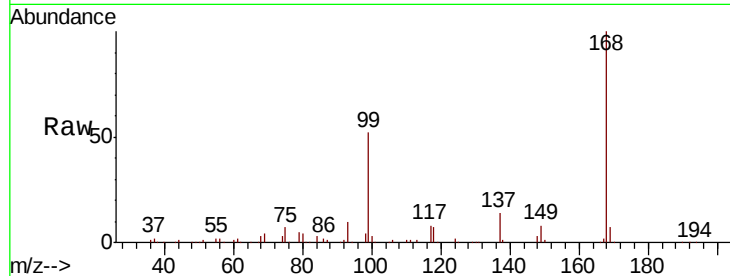




#31
Cyclohexane
Concen: 1.048 ug/l
RT: 6.43 min Scan# 498
Delta R.T. 0.04 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

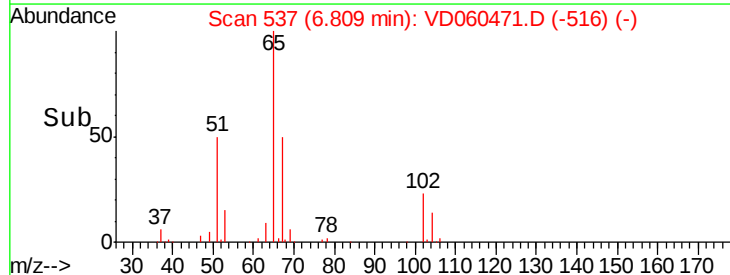
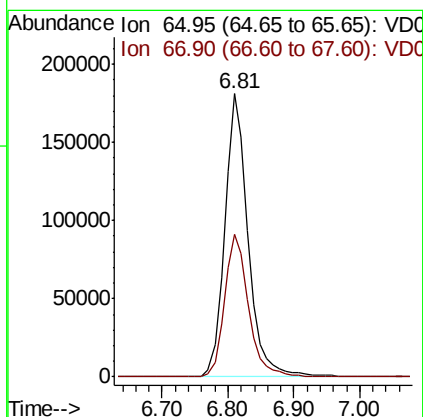
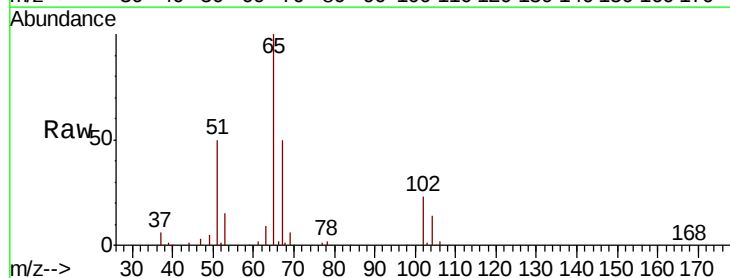
Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-A

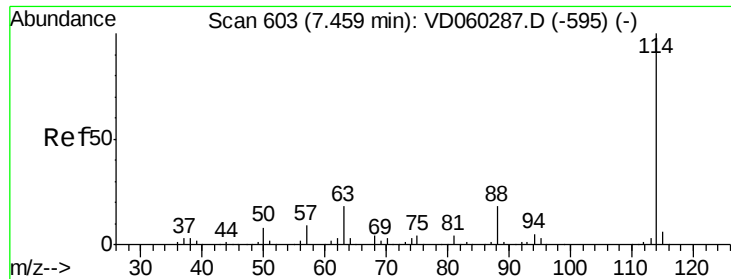
Tot Ion: 56 Resp: 26883
Ion Ratio Lower Upper
56 100
69 236.6 22.2 33.2#
84 180.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

Tgt Ion: 65 Resp: 447016
Ion Ratio Lower Upper
65 100
67 50.3 0.0 109.8

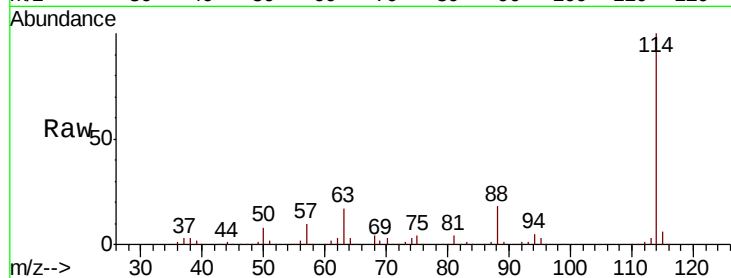




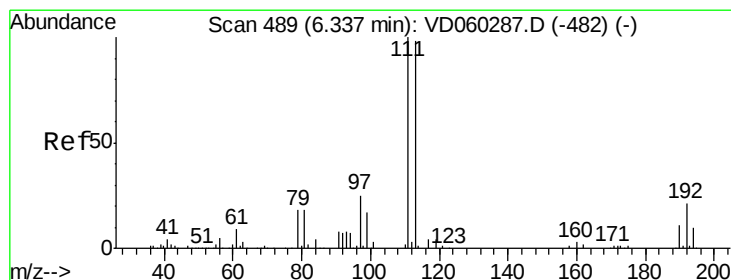
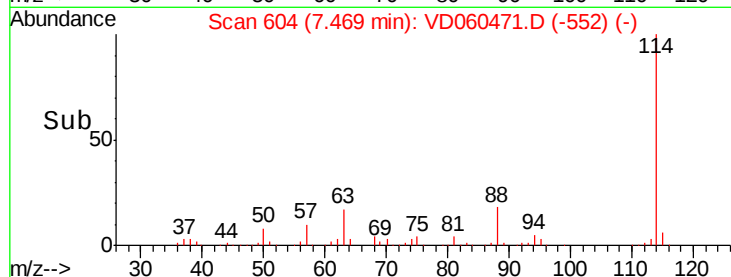
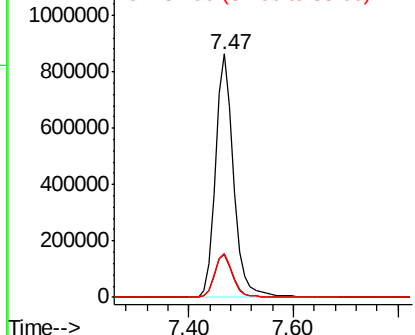
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060471.D
 Acq: 3 Dec 2018 13:21

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

Tot Ion:114 Resp: 2076722
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.0
 88 17.8 0.0 35.4

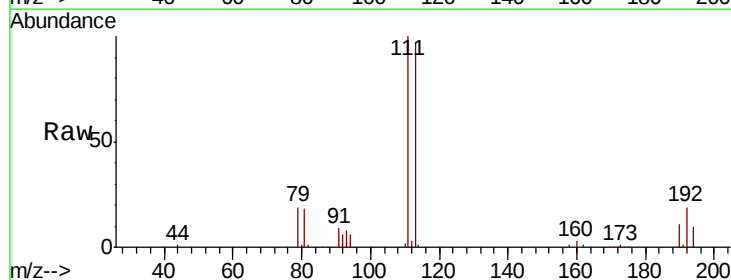


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

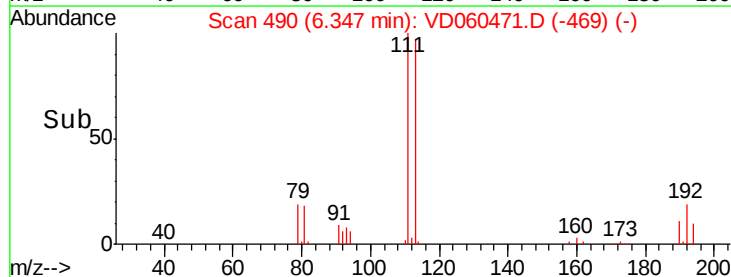
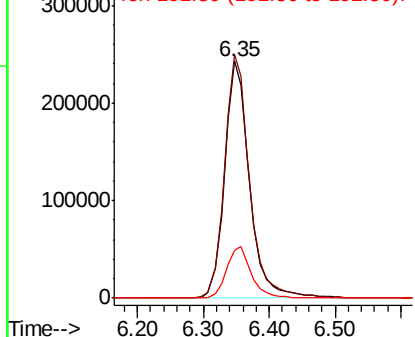


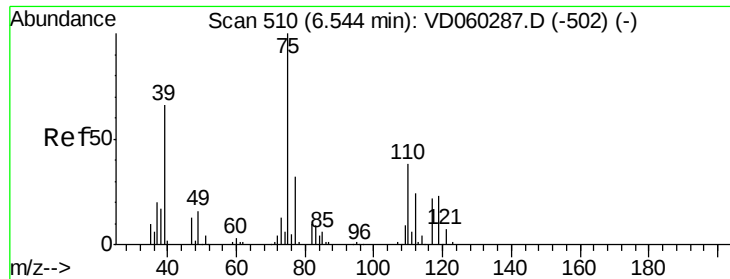
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060471.D
 Acq: 3 Dec 2018 13:21

Tgt Ion:113 Resp: 644201
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.6 122.4
 192 20.0 16.5 24.7



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: 4.811 ug/l

RT: 6.43 min Scan# 498

Delta R.T. -0.12 min

Lab File: VD060471.D

Acq: 3 Dec 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

JC-02-113018-A

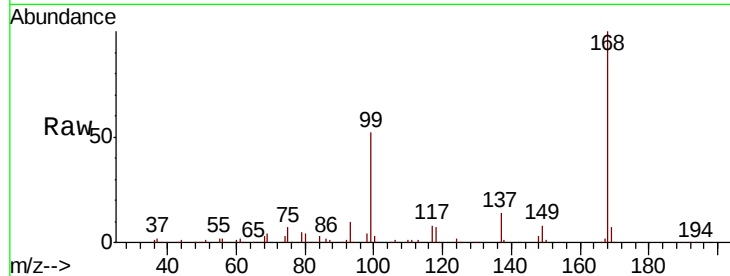
Tot Ion: 75 Resp: 98709

Ion Ratio Lower Upper

75 100

110 7.3 18.0 54.0#

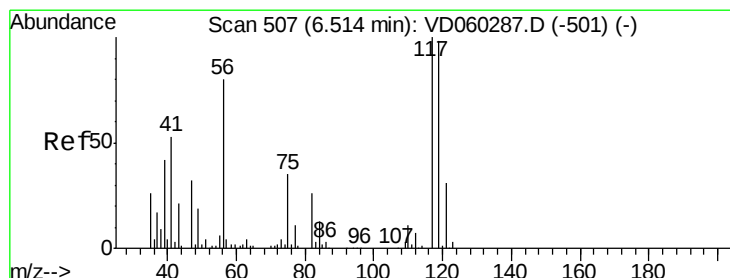
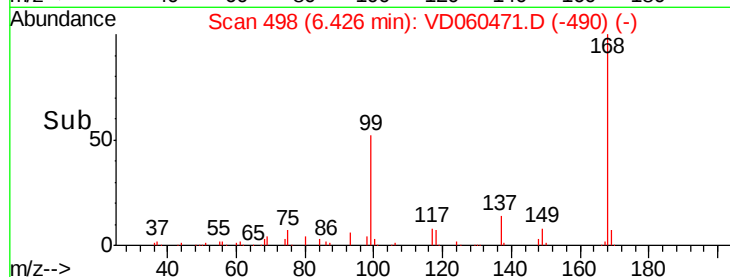
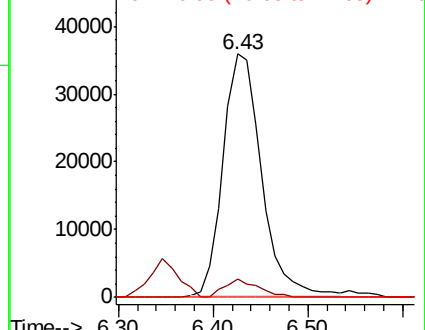
77 0.0 25.6 38.4#



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: 6.183 ug/l

RT: 6.44 min Scan# 499

Delta R.T. -0.08 min

Lab File: VD060471.D

Acq: 3 Dec 2018 13:21

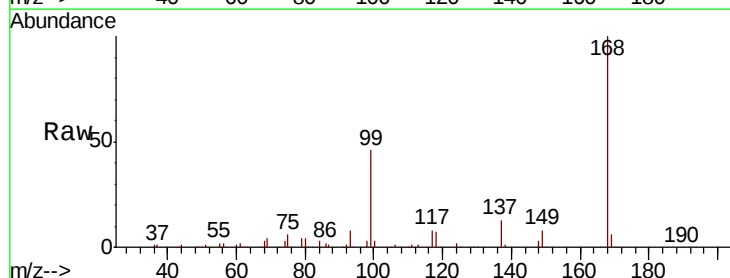
Tgt Ion: 117 Resp: 117671

Ion Ratio Lower Upper

117 100

119 4.6 76.6 115.0#

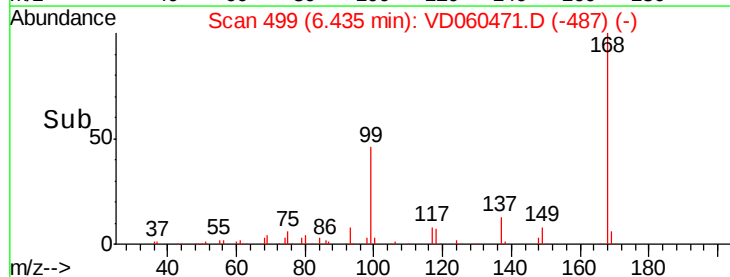
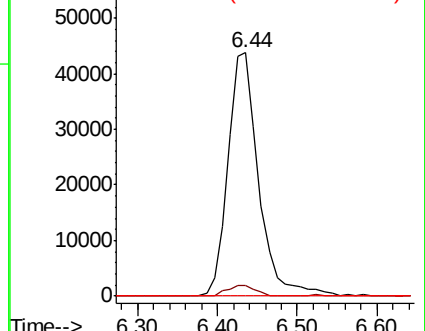
121 0.0 24.3 36.5#

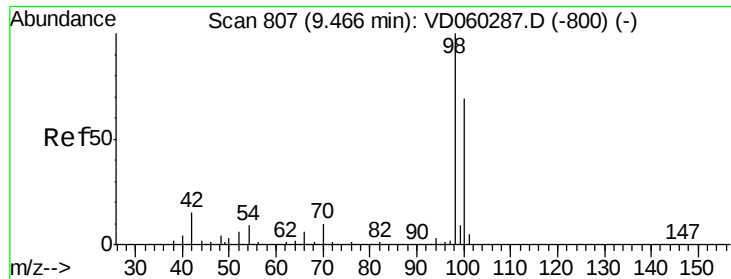


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

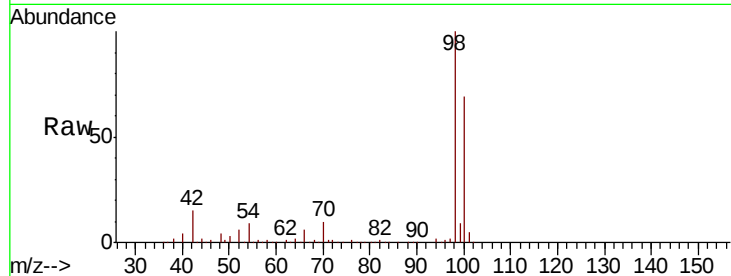




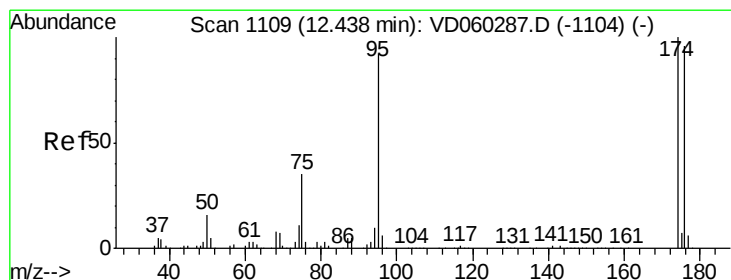
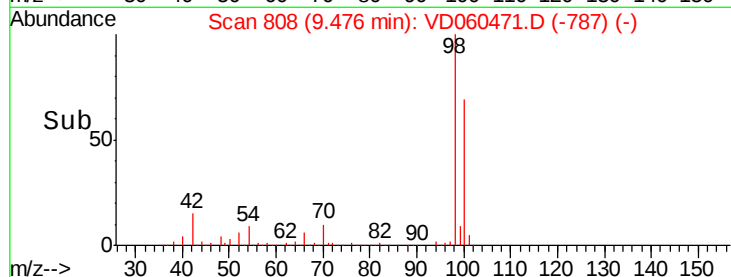
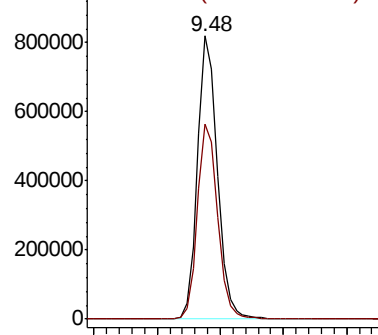
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

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

Tot Ion: 98 Resp: 1798572
Ion Ratio Lower Upper
98 100
100 68.8 55.2 82.8

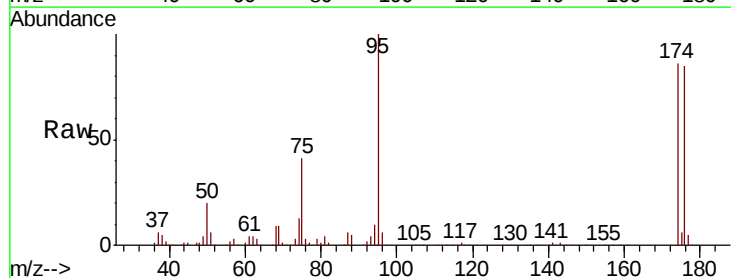


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

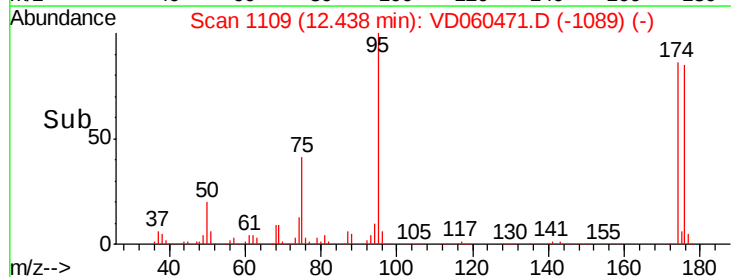
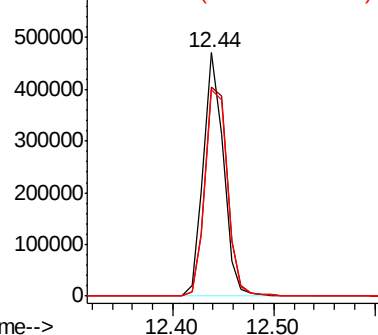


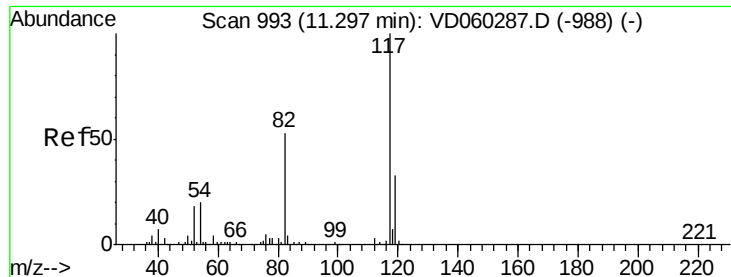
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

Tgt Ion: 95 Resp: 651820
Ion Ratio Lower Upper
95 100
174 85.9 0.0 160.8
176 84.7 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

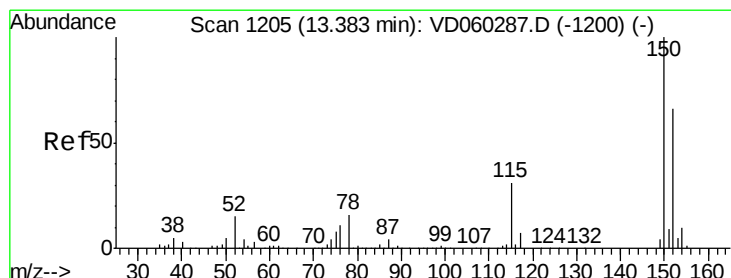
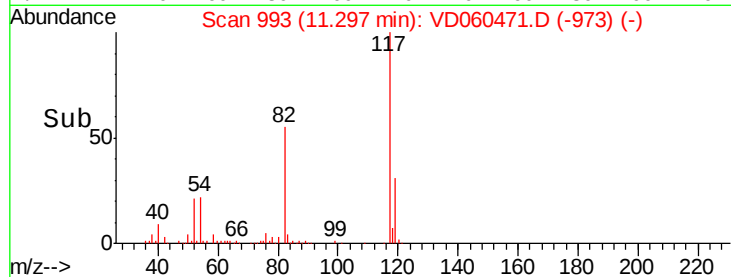
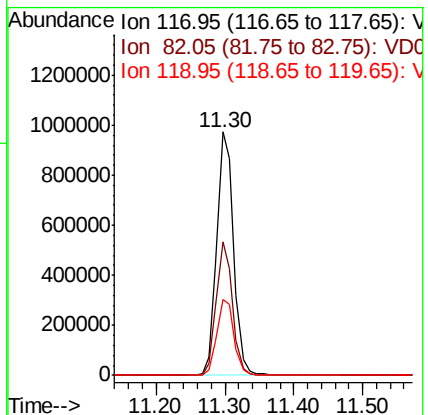
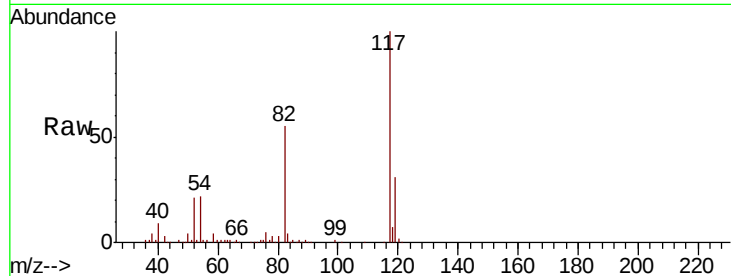




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

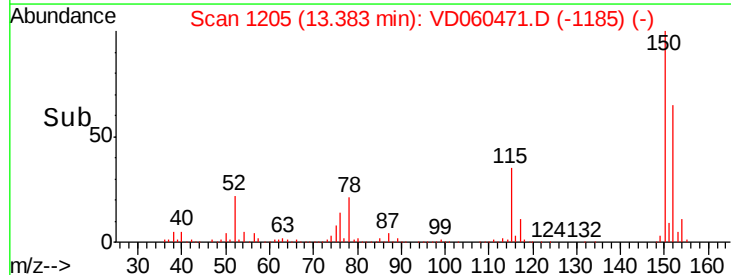
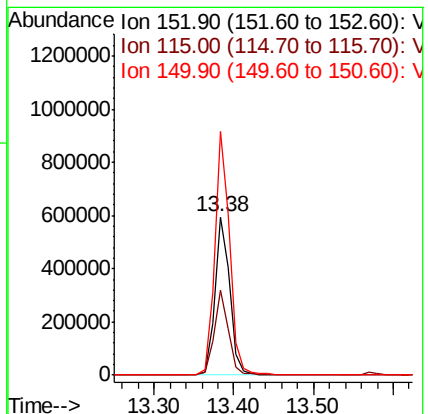
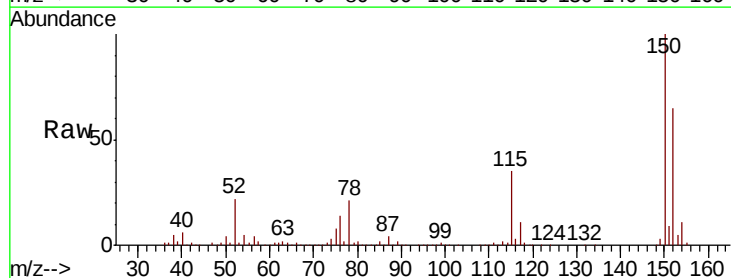
Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-A

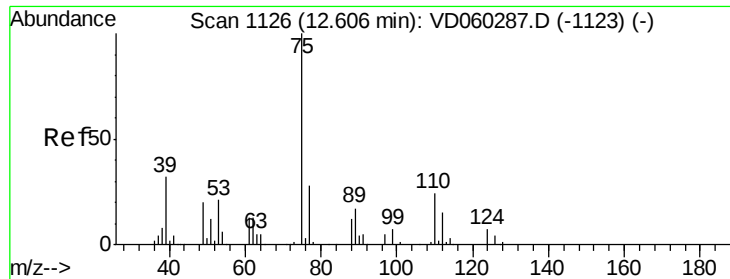
Tot Ion:117 Resp: 1640215
Ion Ratio Lower Upper
117 100
82 54.9 43.7 65.5
119 31.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060471.D
Acq: 3 Dec 2018 13:21

Tgt Ion:152 Resp: 781085
Ion Ratio Lower Upper
152 100
115 53.9 24.1 72.3
150 154.2 0.0 310.6

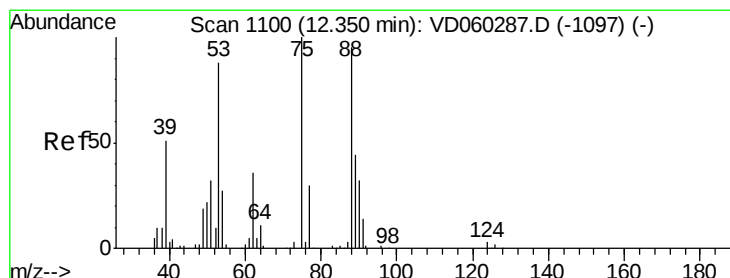
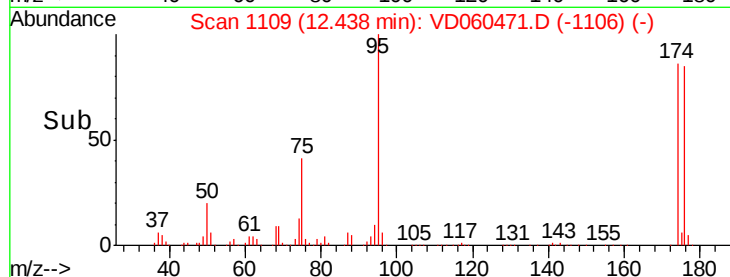
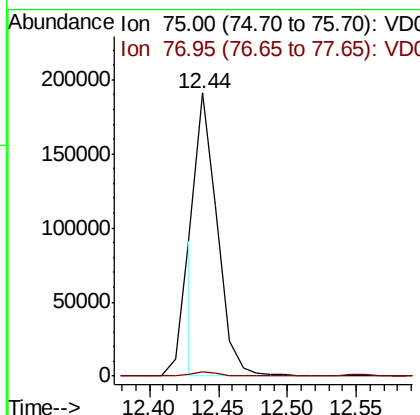
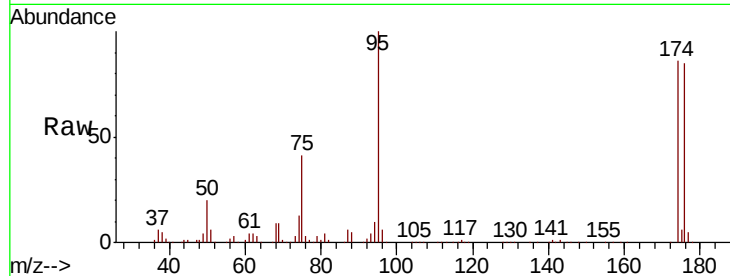




#76
 1,2,3-Trichloropropane
 Concen: 21.532 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.17 min
 Lab File: VD060471.D
 Acq: 3 Dec 2018 13:21

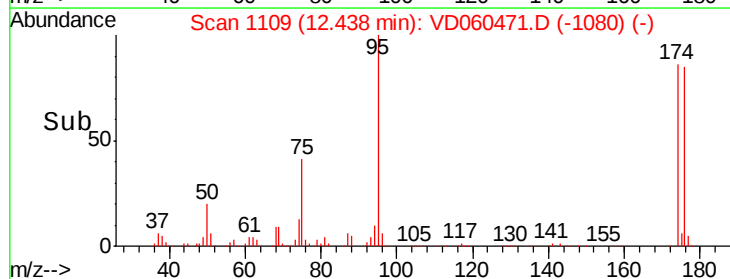
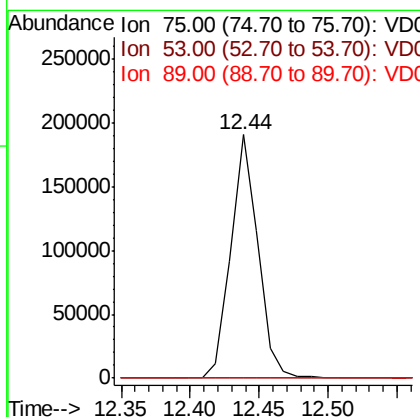
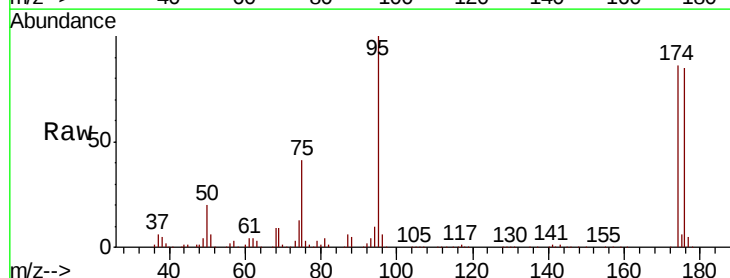
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-113018-A

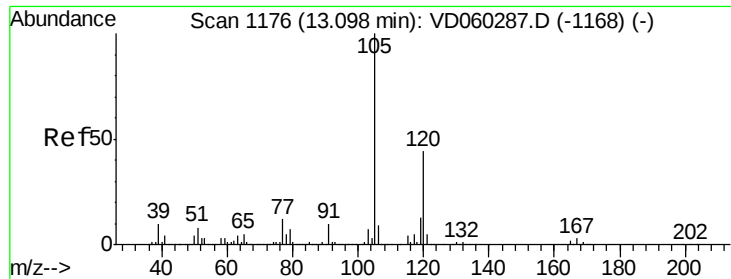
Tot Ion: 75 Resp: 201190
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.4 49.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.294 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. 0.09 min
 Lab File: VD060471.D
 Acq: 3 Dec 2018 13:21

Tgt Ion: 75 Resp: 261472
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.809 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060471.D
 Acq: 3 Dec 2018 13:21

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

Tot Ion:105 Resp: 79901
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.9 65.8

