

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060320.D
 Acq On : 9 Nov 2018 18:59
 Operator : VA/AP
 Sample : J5884-07RE
 Misc : 6.41g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-SRE

Quant Time: Nov 12 01:36:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1166144	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	1585172	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1179647	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	513567	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	475427	56.94	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.88%	
35) Dibromofluoromethane	6.32	113	627571	53.09	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.18%	
50) Toluene-d8	9.45	98	1701250	49.18	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.43	95	539575	43.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	86.08%	

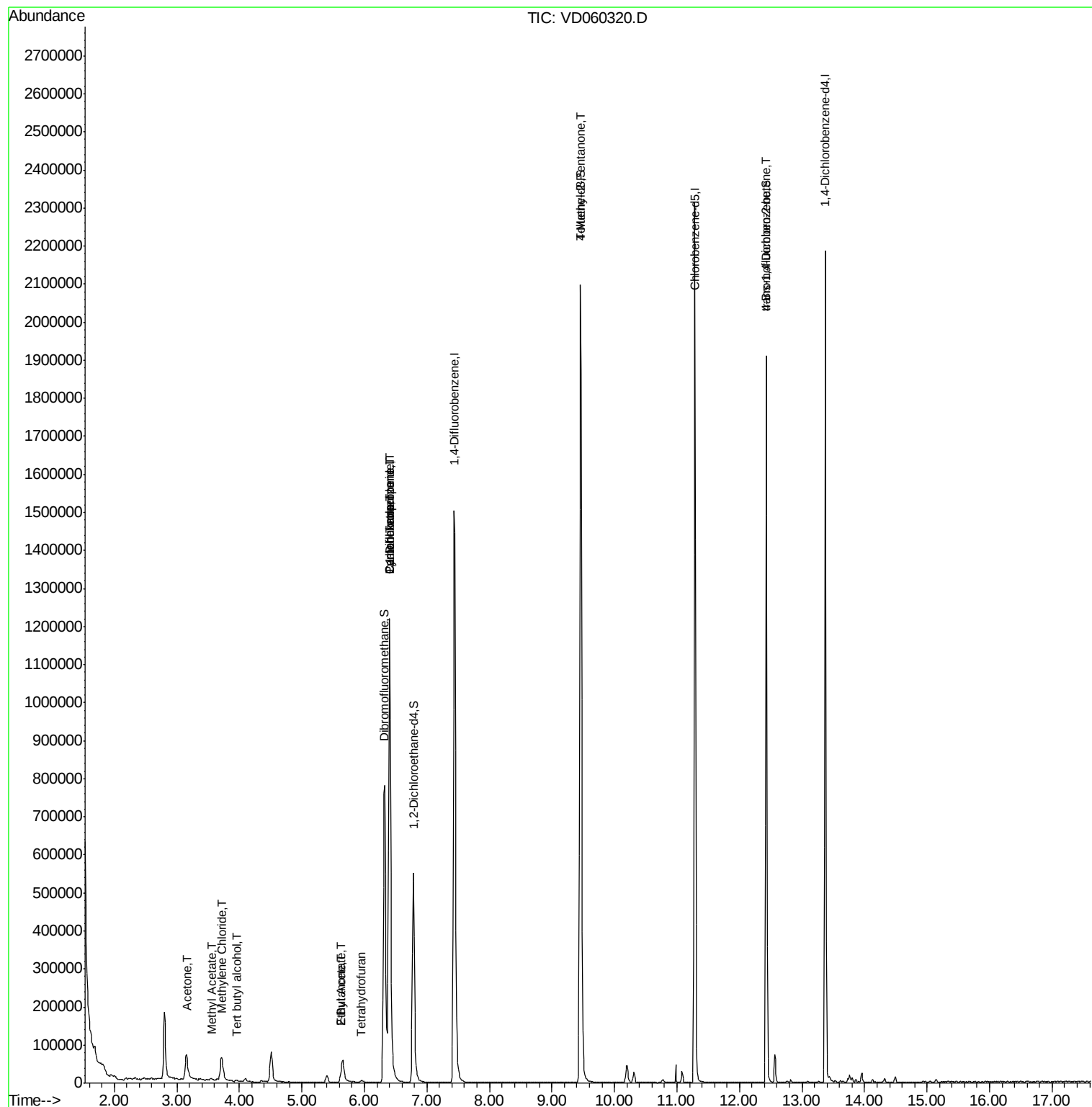
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1895	Below Cal		86
11) Tert butyl alcohol	3.95	59	4921	14.352	ug/l #	70
16) Acetone	3.16	43	147755	102.015	ug/l	99
18) Methyl Acetate	3.56	43	13472	4.362	ug/l	94
20) Methylene Chloride	3.71	84	24066	1.873	ug/l	93
25) 2-Butanone	5.62	43	25513	8.475	ug/l	93
29) Tetrahydrofuran	5.95	42	3733	2.352	ug/l #	74
31) Cyclohexane	6.40	56	22539	1.131	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	87972	5.617	ug/l #	47
37) Ethyl Acetate	5.62	43	25513	3.540	ug/l #	69
38) Carbon Tetrachloride	6.40	117	87747	6.040	ug/l #	15
51) 4-Methyl-2-Pentanone	9.45	43	9735	1.652	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	227085	129.835	ug/l #	15
89) n-Butylbenzene	13.65	91	227	Below Cal	#	29

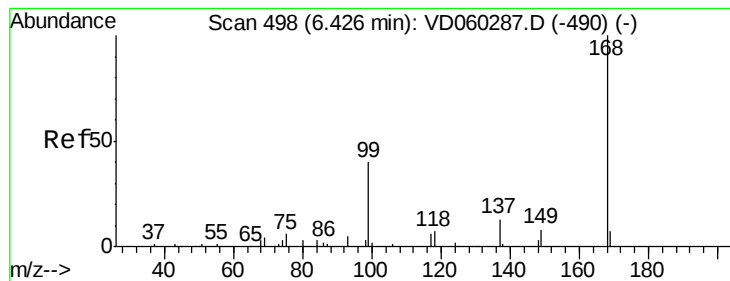
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060320.D

Acq: 9 Nov 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

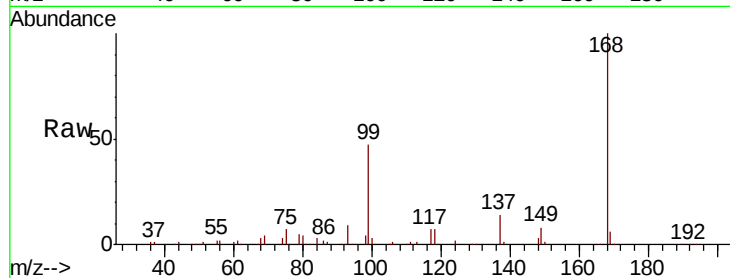
TP-7-SRE

Tgt Ion:168 Resp: 1166144

Ion Ratio Lower Upper

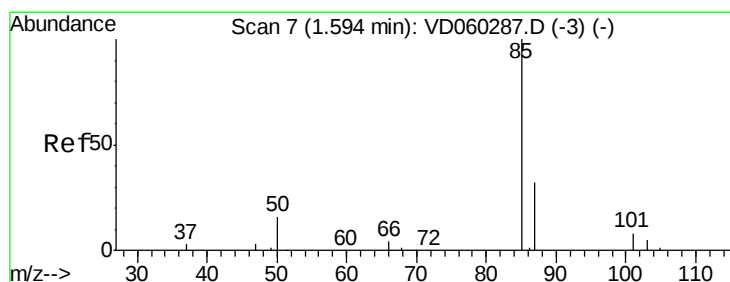
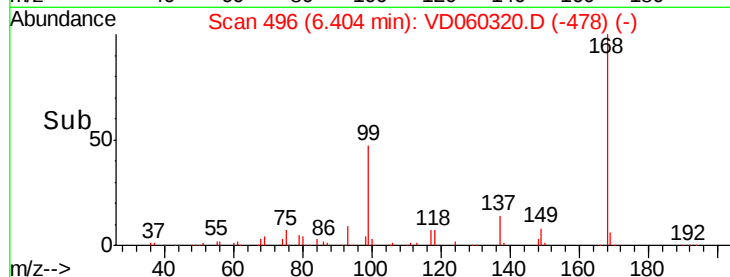
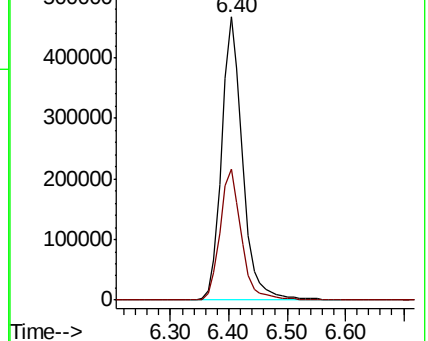
168 100

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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060320.D

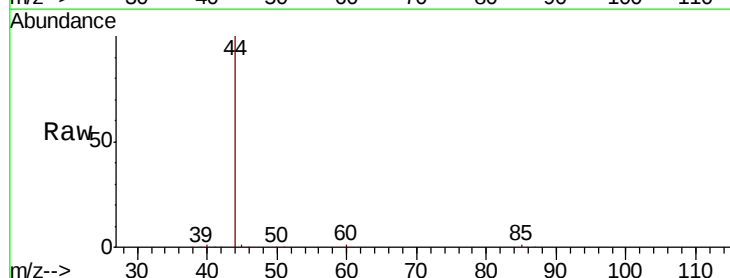
Acq: 9 Nov 2018 18:59

Tgt Ion: 85 Resp: 1895

Ion Ratio Lower Upper

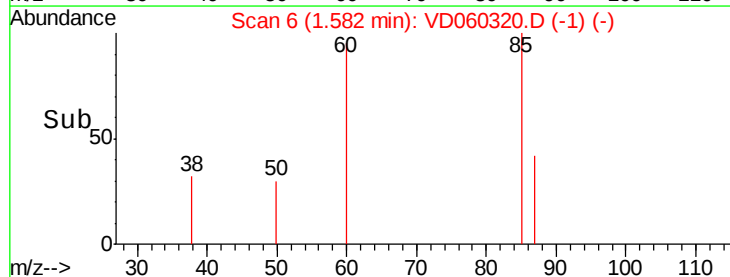
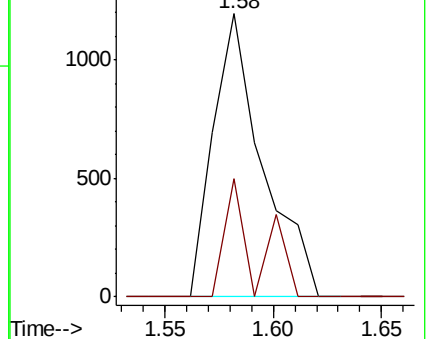
85 100

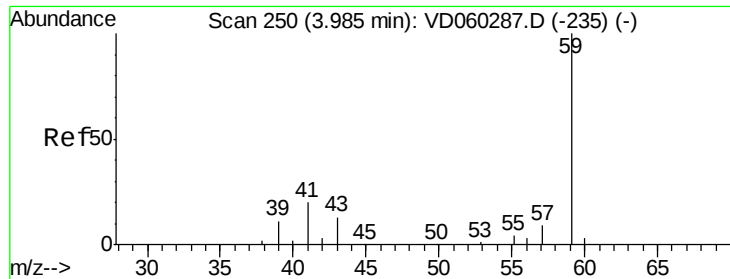
87 41.6 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

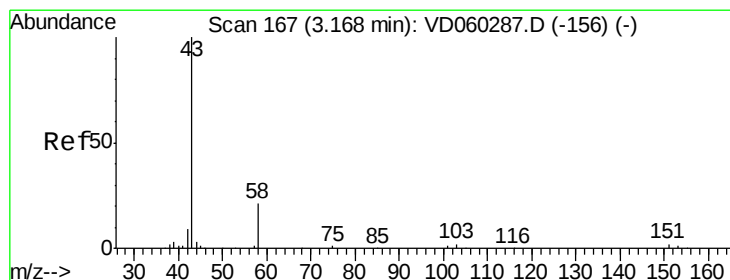
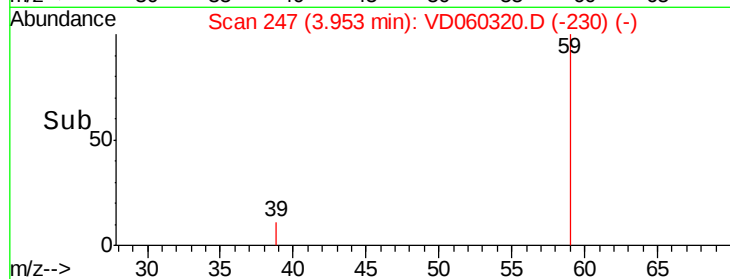
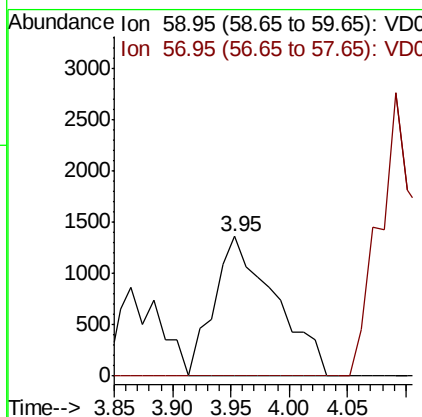
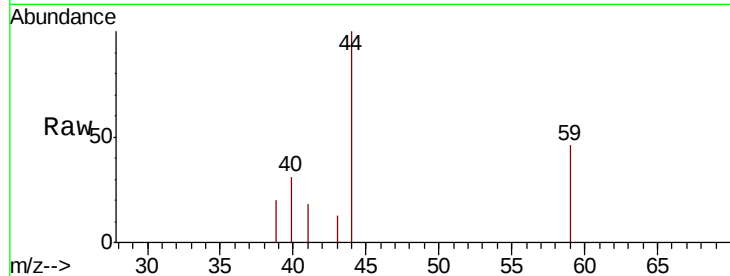




#11
Tert butyl alcohol
Concen: 14.352 ug/l
RT: 3.95 min Scan# 247
Delta R.T. -0.03 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

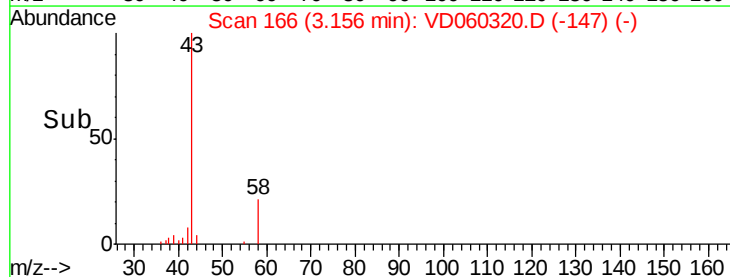
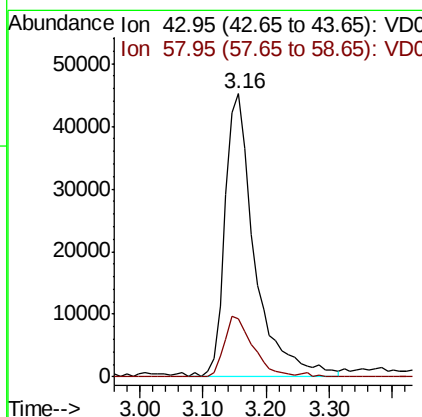
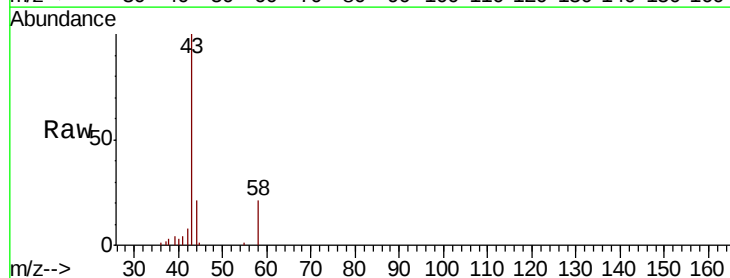
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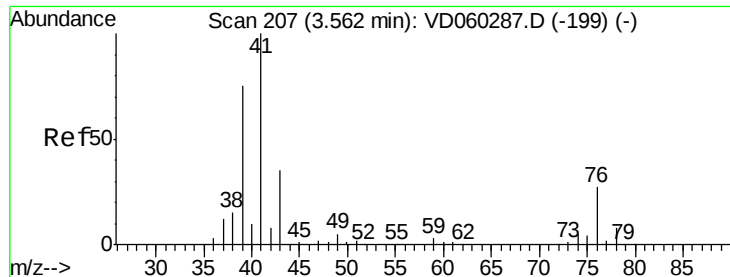
Tgt Ion: 59 Resp: 4921
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#16
Acetone
Concen: 102.015 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

Tgt Ion: 43 Resp: 147755
Ion Ratio Lower Upper
43 100
58 20.7 16.9 25.3

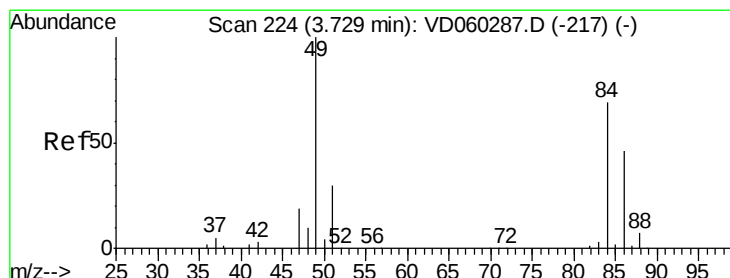
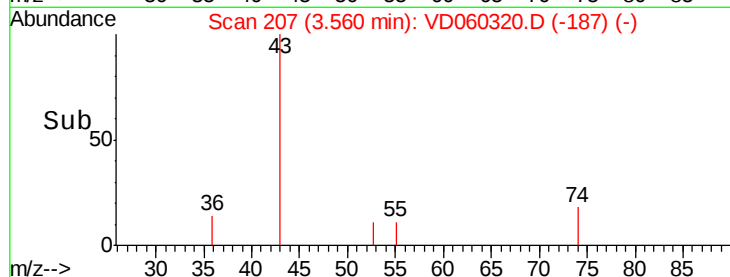
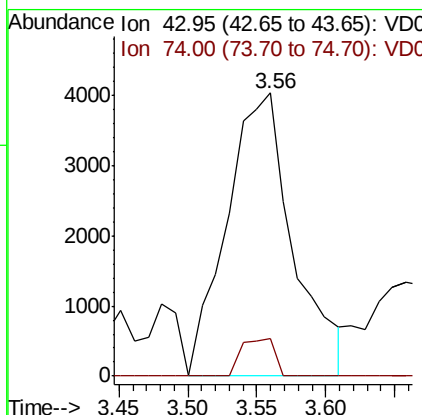
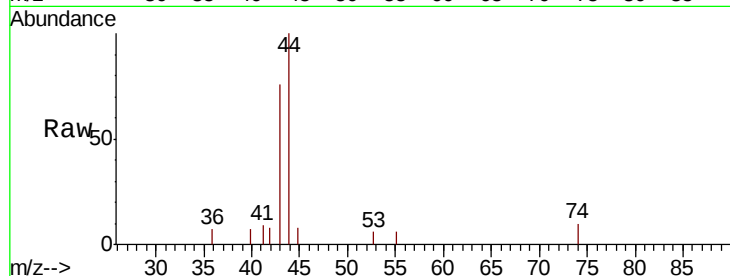




#18
Methyl Acetate
Concen: 4.362 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.00 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

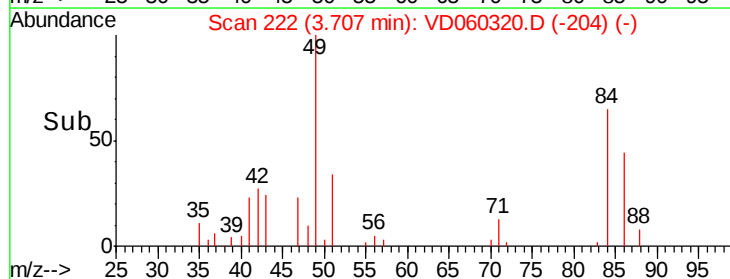
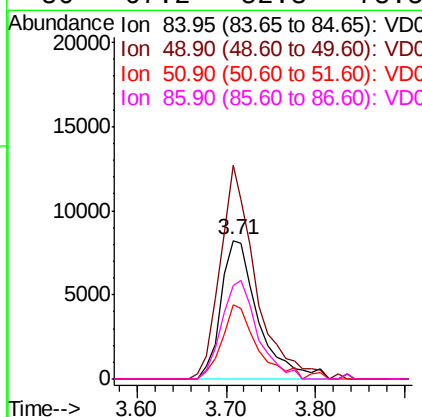
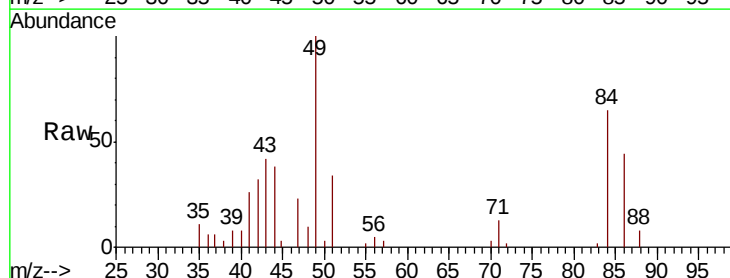
Instrument :
MSVOA_D
ClientSampleId :
TP-7-SRE

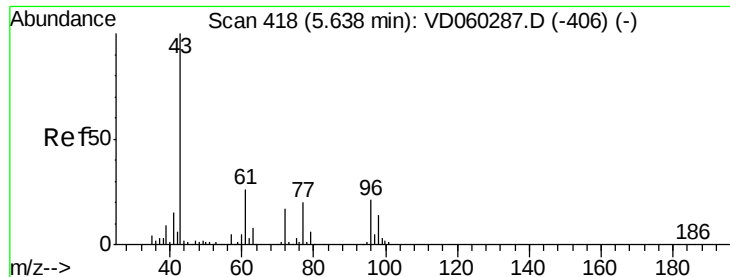
Tgt Ion: 43 Resp: 13472
Ion Ratio Lower Upper
43 100
74 13.1 12.4 18.6



#20
Methylene Chloride
Concen: 1.873 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

Tgt Ion: 84 Resp: 24066
Ion Ratio Lower Upper
84 100
49 153.9 115.6 173.4
51 53.1 35.6 53.4
86 67.2 52.3 78.5





#25

2-Butanone

Concen: 8.475 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060320.D

Acq: 9 Nov 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

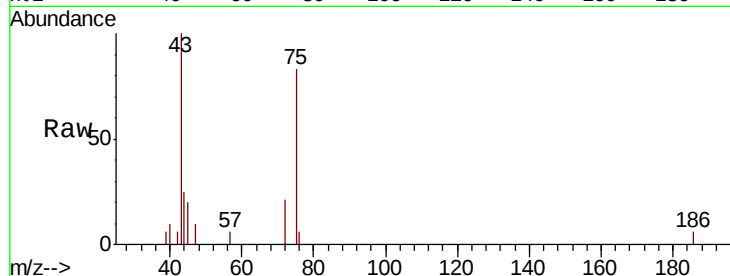
TP-7-SRE

Tgt Ion: 43 Resp: 25513

Ion Ratio Lower Upper

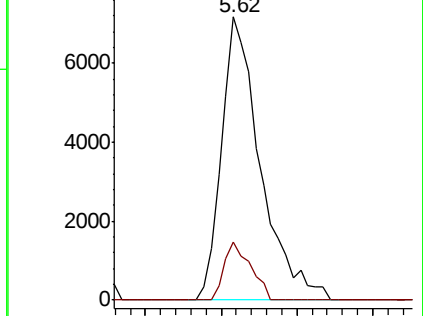
43 100

72 20.5 13.8 20.8

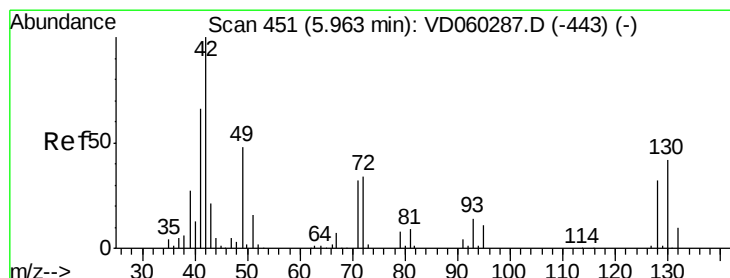
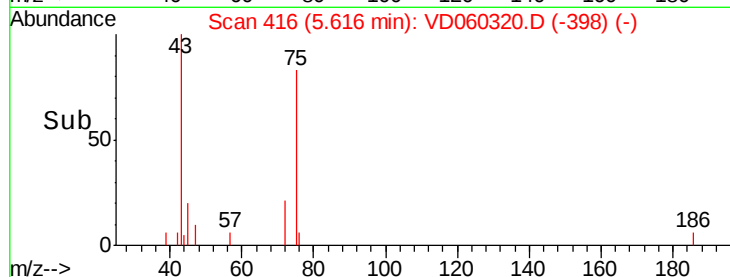


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#29

Tetrahydrofuran

Concen: 2.352 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060320.D

Acq: 9 Nov 2018 18:59

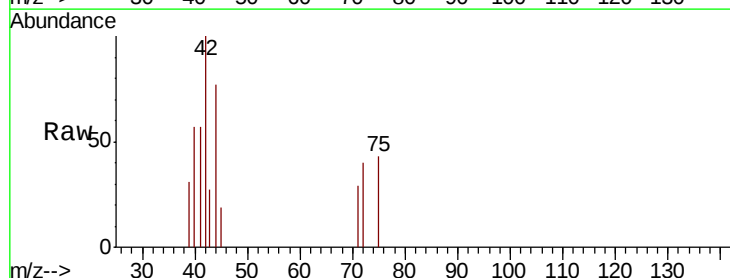
Tgt Ion: 42 Resp: 3733

Ion Ratio Lower Upper

42 100

72 30.6 27.6 41.4

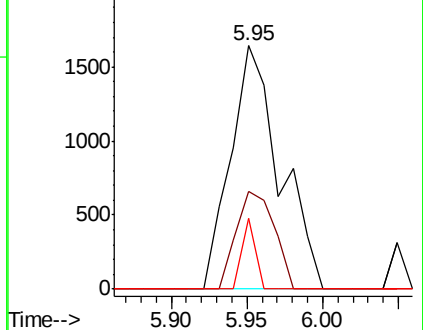
71 7.6 26.5 39.7#



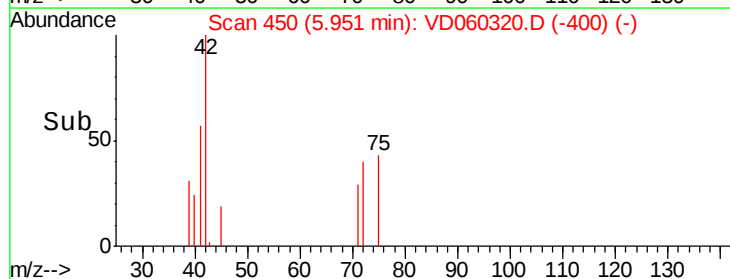
Abundance Ion 42.00 (41.70 to 42.70): VDC

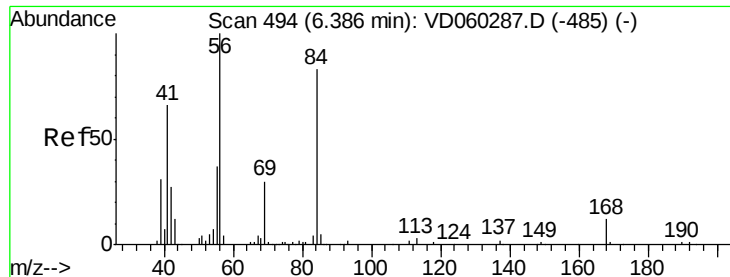
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time-->

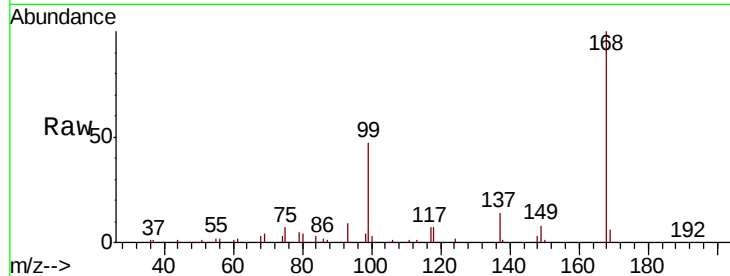




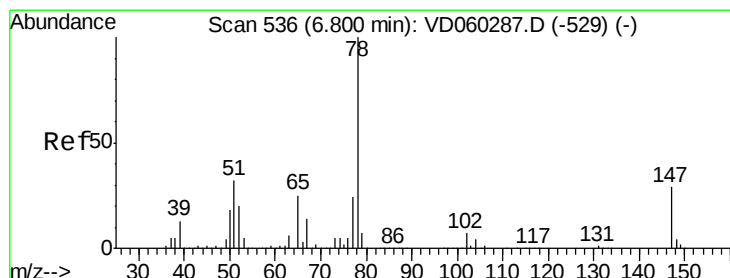
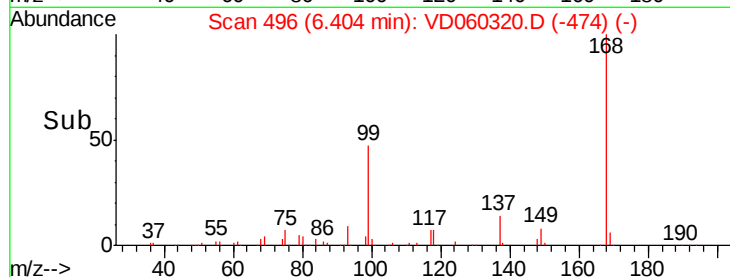
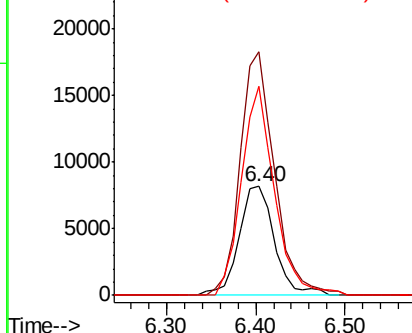
#31
Cyclohexane
Concen: 1.131 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

Instrument :
MSVOA_D
ClientSampled :
TP-7-SRE

Tgt Ion: 56 Resp: 22539
Ion Ratio Lower Upper
56 100
69 223.0 22.2 33.2#
84 191.6 63.0 94.4#

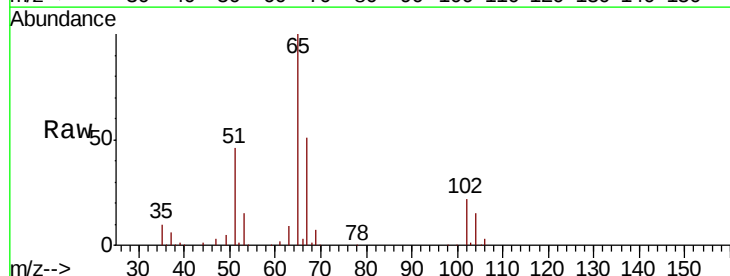


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

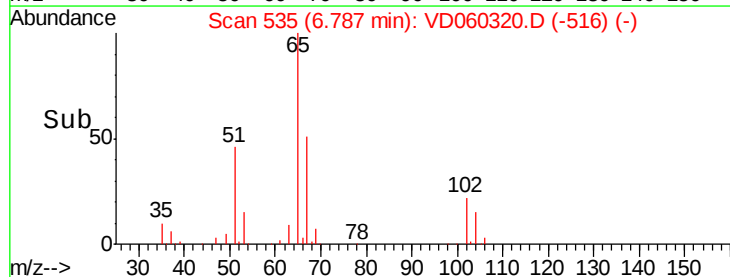
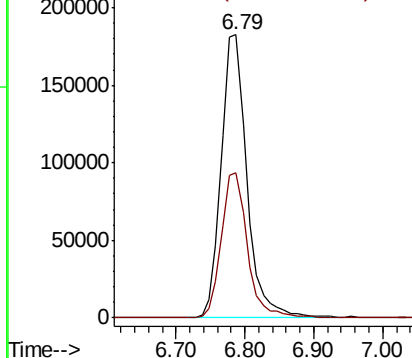


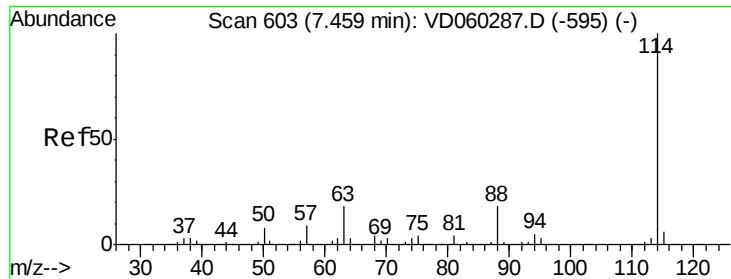
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

Tgt Ion: 65 Resp: 475427
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.8



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

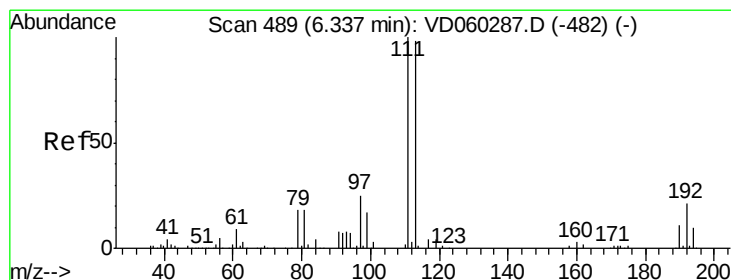
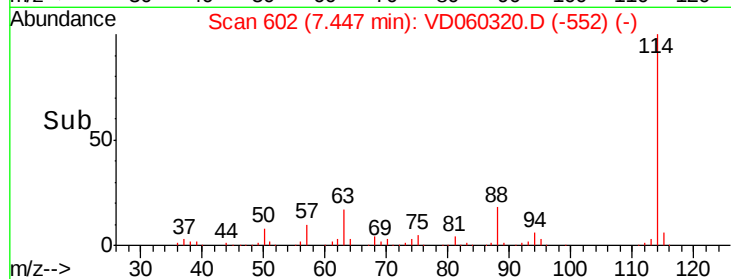
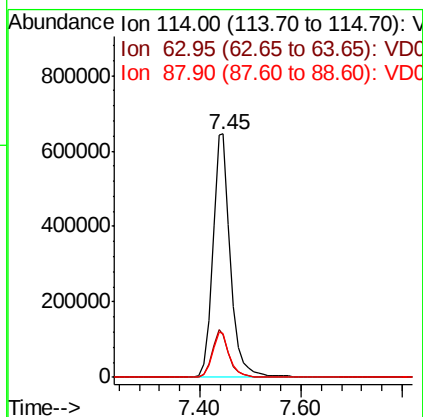
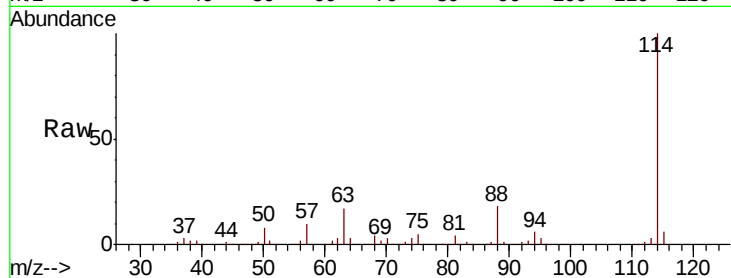




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060320.D
 Acq: 9 Nov 2018 18:59

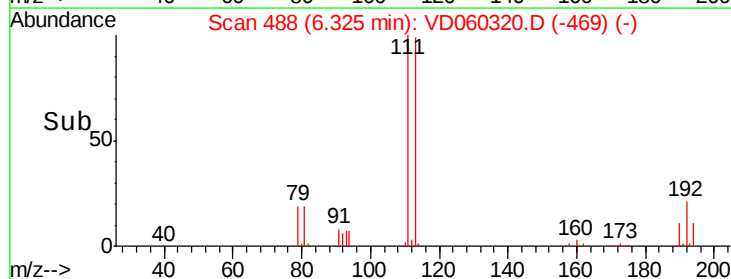
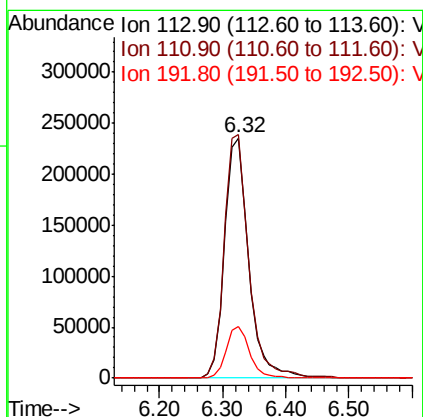
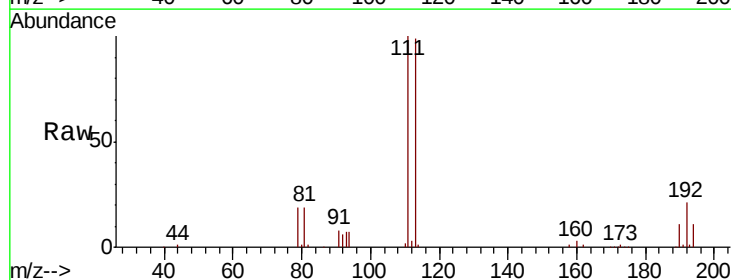
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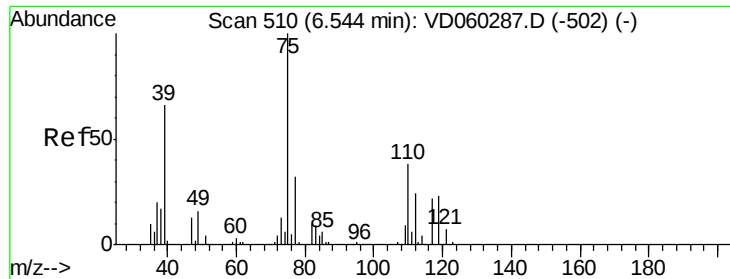
Tgt Ion:114 Resp: 1585172
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.0
 88 18.0 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060320.D
 Acq: 9 Nov 2018 18:59

Tgt Ion:113 Resp: 627571
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.6 122.4
 192 21.8 16.5 24.7

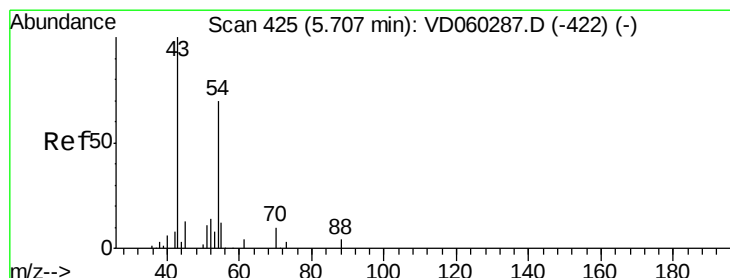
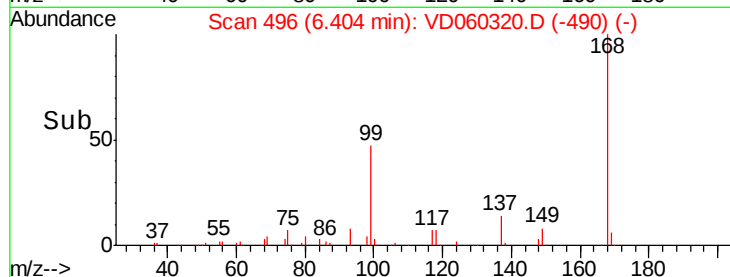
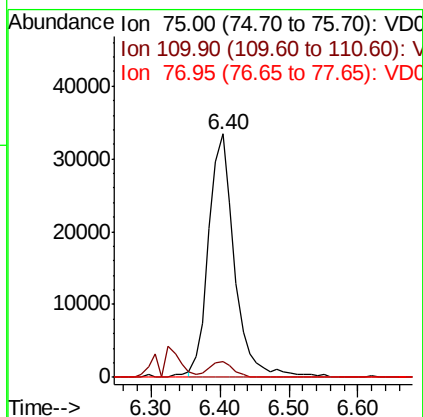
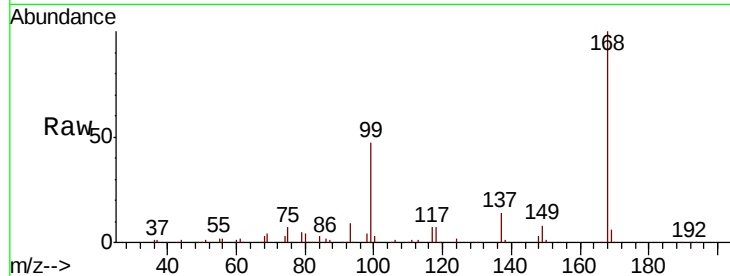




#36
 1,1-Dichloropropene
 Concen: 5.617 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.14 min
 Lab File: VD060320.D
 Acq: 9 Nov 2018 18:59

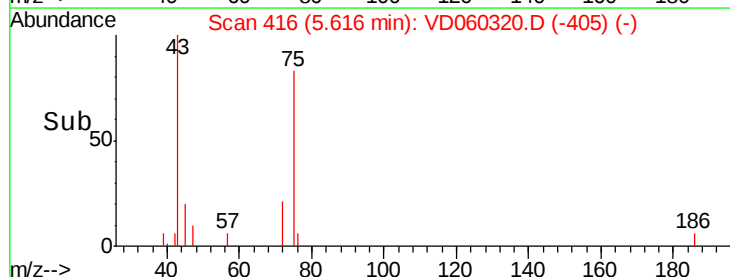
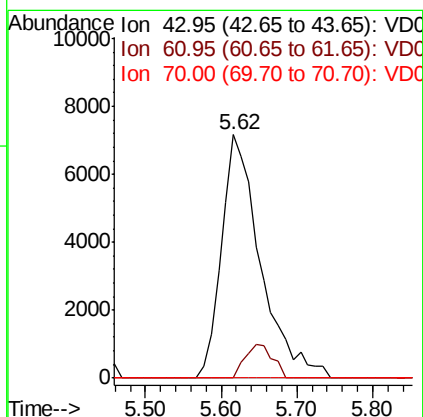
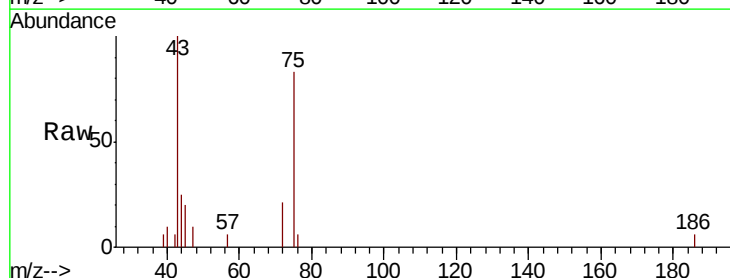
Instrument :
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 ClientSampleId :
 TP-7-SRE

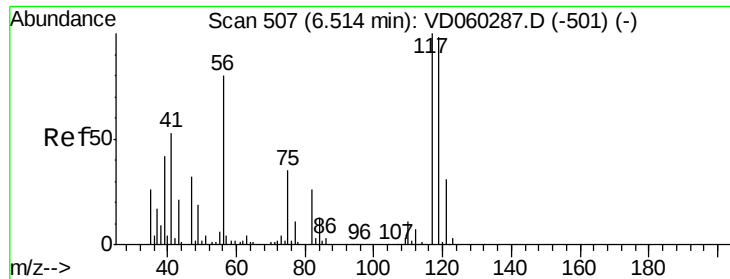
Tgt Ion: 75 Resp: 87972
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.0 54.0#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 3.540 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. -0.09 min
 Lab File: VD060320.D
 Acq: 9 Nov 2018 18:59

Tgt Ion: 43 Resp: 25513
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 0.0 6.2 9.4#

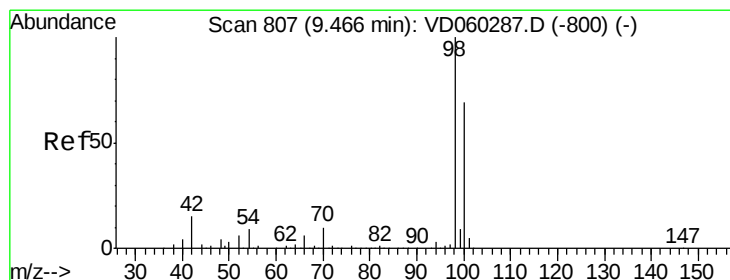
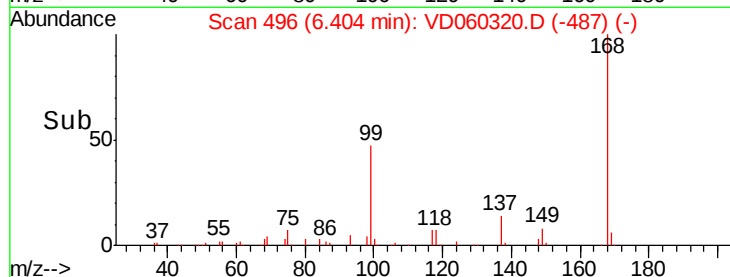
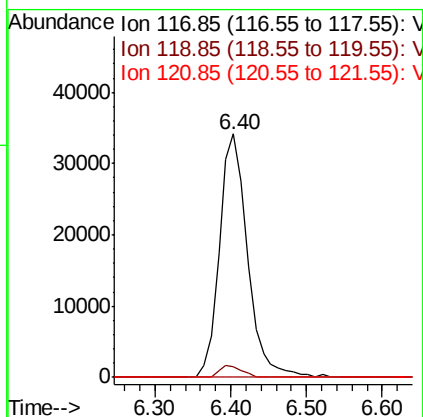
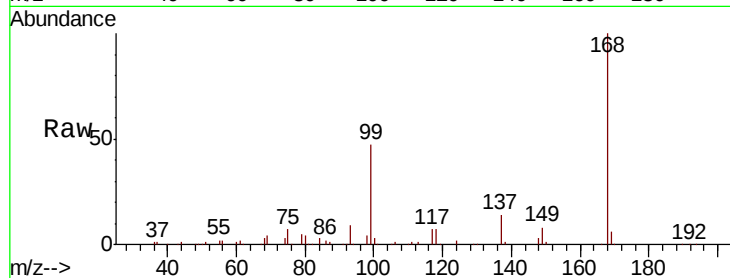




#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.11 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

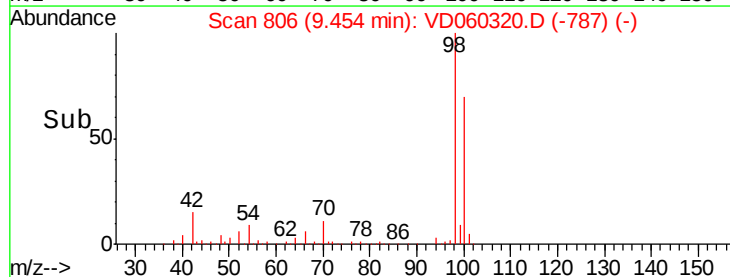
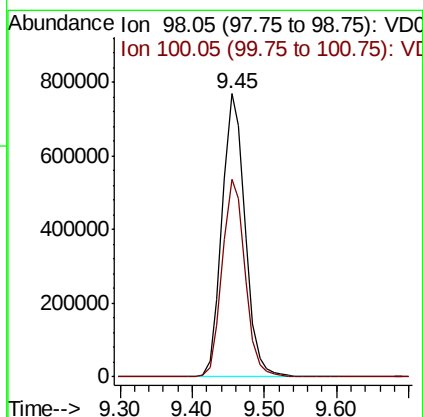
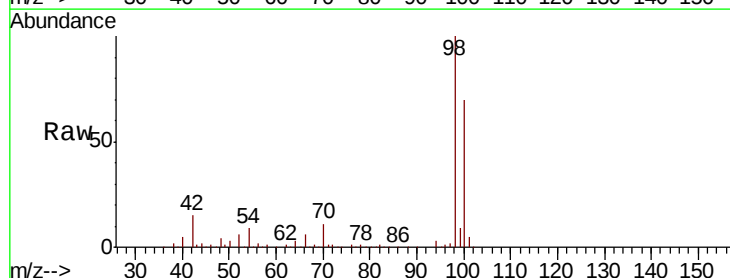
Instrument :
MSVOA_D
ClientSampleId :
TP-7-SRE

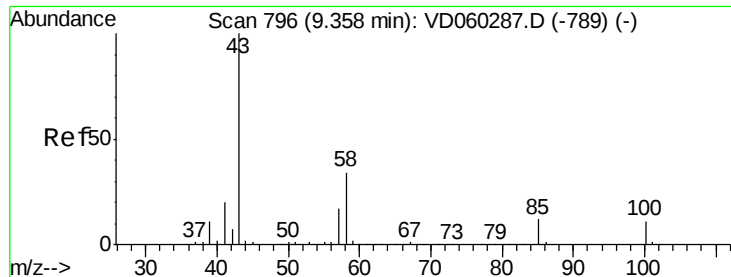
Tgt Ion:117 Resp: 87747
Ion Ratio Lower Upper
117 100
119 4.2 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

Tgt Ion: 98 Resp: 1701250
Ion Ratio Lower Upper
98 100
100 69.8 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.652 ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060320.D

Acq: 9 Nov 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

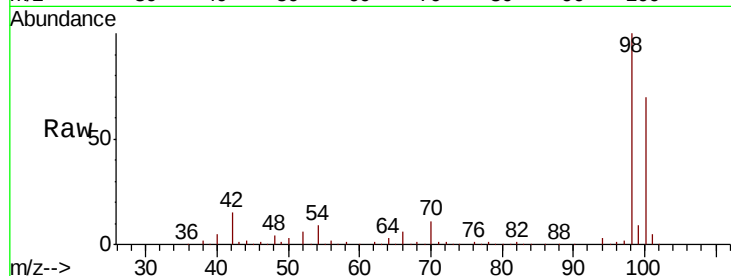
TP-7-SRE

Tgt Ion: 43 Resp: 9735

Ion Ratio Lower Upper

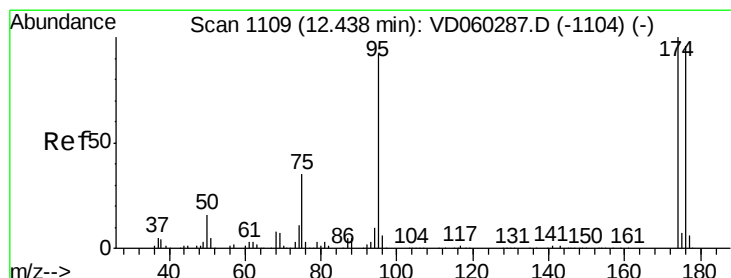
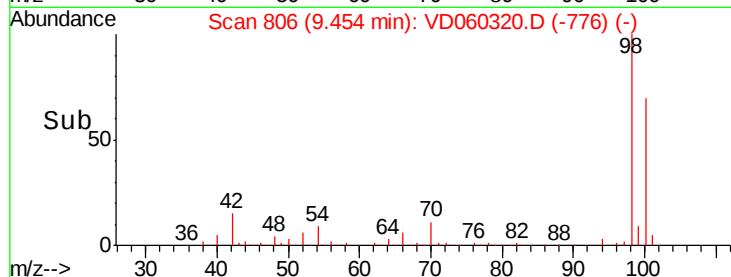
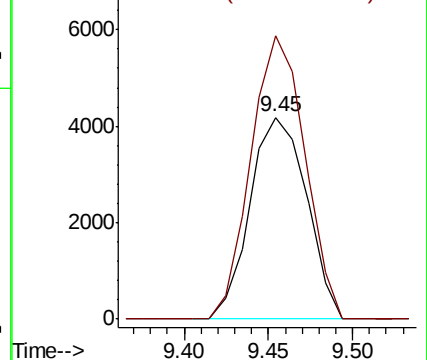
43 100

58 140.4 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060320.D

Acq: 9 Nov 2018 18:59

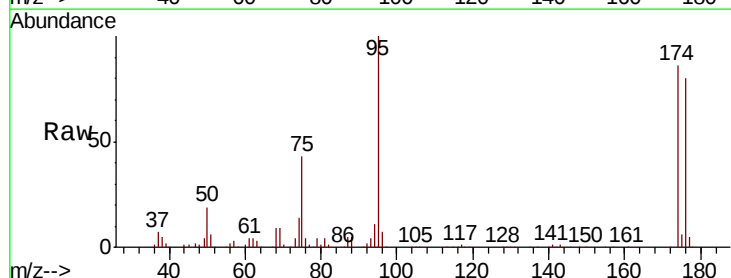
Tgt Ion: 95 Resp: 539575

Ion Ratio Lower Upper

95 100

174 86.5 0.0 160.8

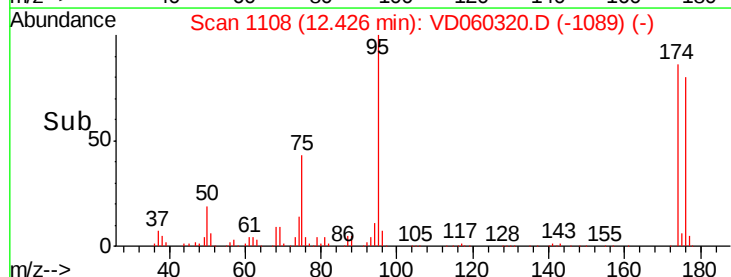
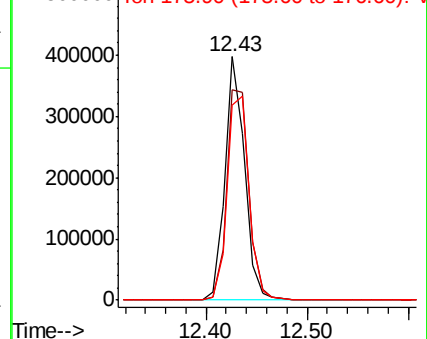
176 80.3 0.0 154.6

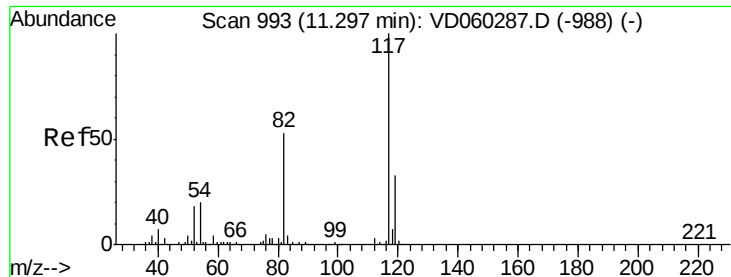


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

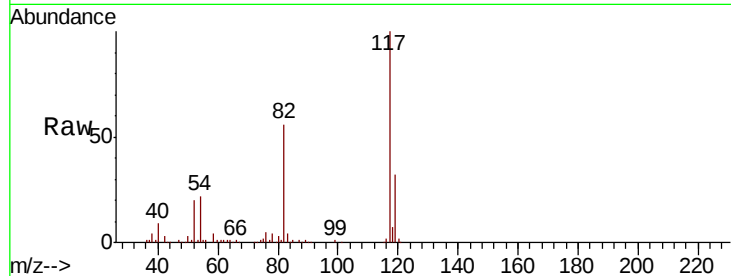




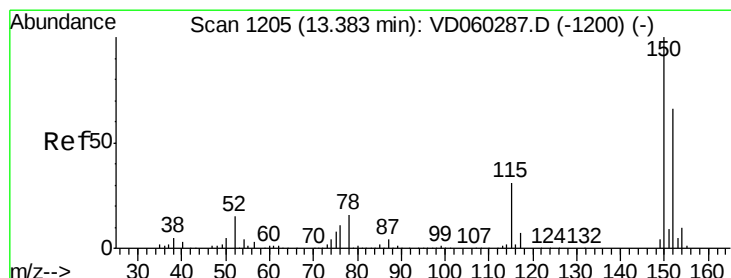
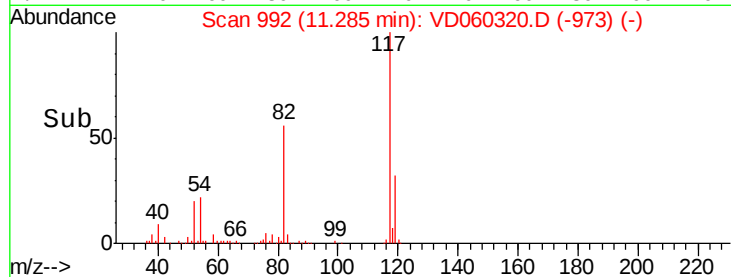
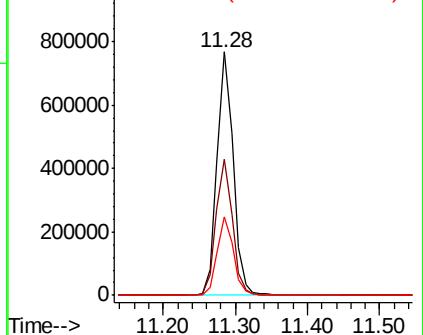
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

Instrument :
MSVOA_D
ClientSampleId :
TP-7-SRE

Tgt Ion:117 Resp: 1179647
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.0 26.1 39.1

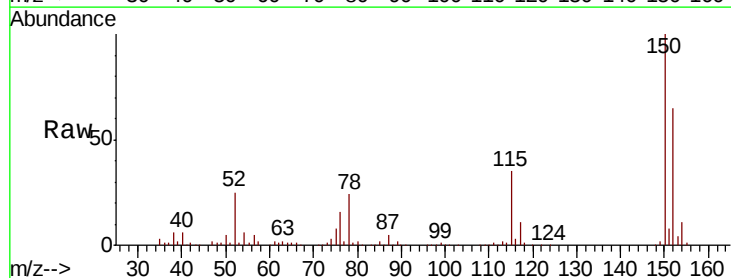


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

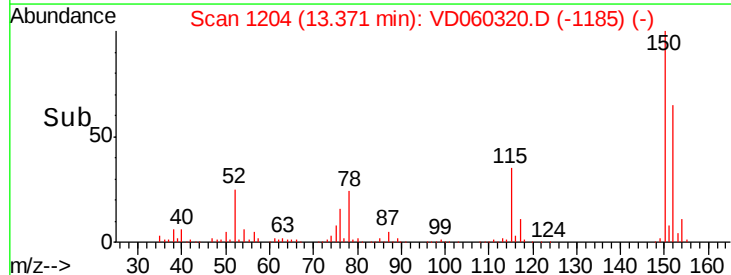
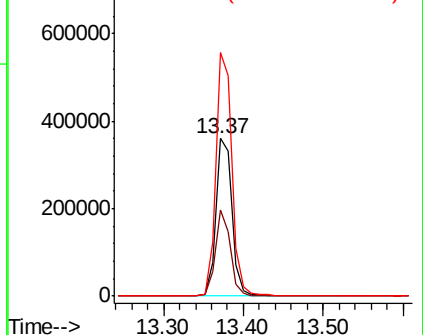


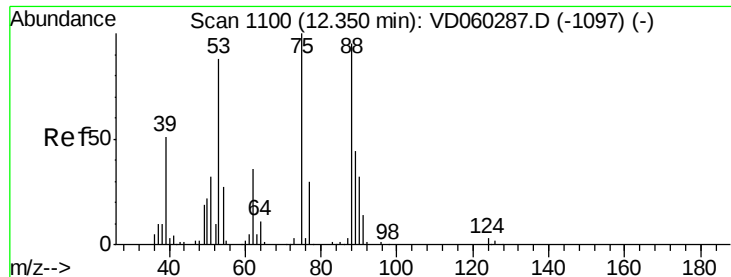
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060320.D
Acq: 9 Nov 2018 18:59

Tgt Ion:152 Resp: 513567
Ion Ratio Lower Upper
152 100
115 54.8 24.1 72.3
150 154.4 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





#81

trans-1,4-Dichloro-2-butene

Concen: 129.835 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060320.D

Acq: 9 Nov 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

TP-7-SRE

Tgt Ion: 75 Resp: 227085

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#

