

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060299.D
 Acq On : 7 Nov 2018 14:21
 Operator : JC/SY
 Sample : J5839-15
 Misc : 5.29g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 08:16:07 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	6.41	168	1587258	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2140779	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.29	117	1717430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	854522	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	362978	31.94	ug/l	-0.02
Spiked Amount			Recovery	=	63.88%	
35) Dibromofluoromethane	6.32	113	532085	33.33	ug/l	-0.02
Spiked Amount			Recovery	=	66.66%	
50) Toluene-d8	9.46	98	1519594	32.52	ug/l	0.00
Spiked Amount			Recovery	=	65.04%	
62) 4-Bromofluorobenzene	12.43	95	562995	33.25	ug/l	0.00
Spiked Amount			Recovery	=	66.50%	

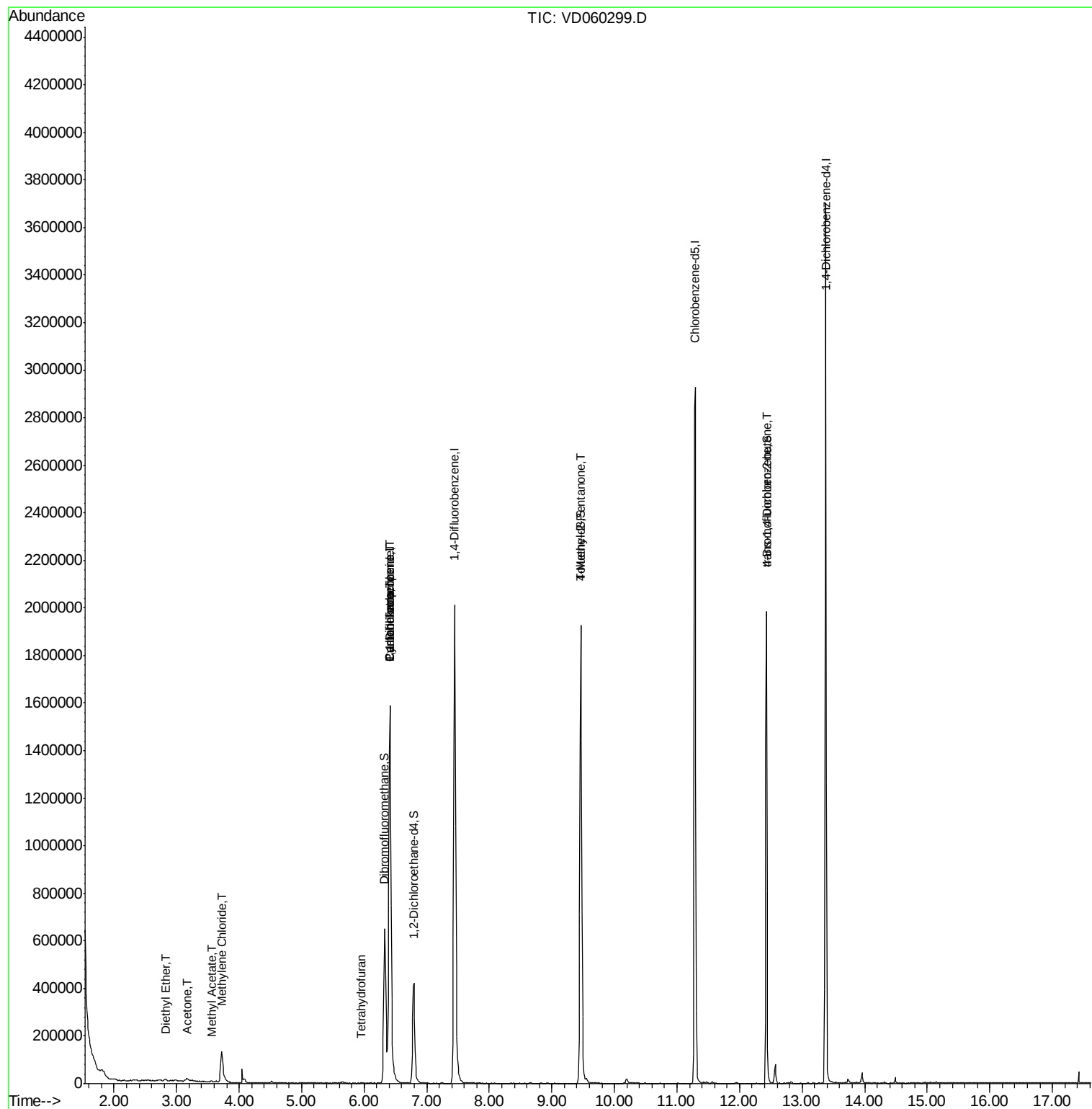
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	180	Below Cal	#	41
8) Diethyl Ether	2.82	74	2713	1.04	ug/l	91
16) Acetone	3.15	43	19798	10.04	ug/l	# 84
18) Methyl Acetate	3.56	43	6604	1.57	ug/l	# 63
20) Methylene Chloride	3.72	84	85473	4.89	ug/l	97
29) Tetrahydrofuran	5.96	42	2229	1.03	ug/l	# 49
31) Cyclohexane	6.41	56	30087	1.11	ug/l	# 1
36) 1,1-Dichloropropene	6.41	75	111565	5.27	ug/l	# 47
38) Carbon Tetrachloride	6.41	117	121410	6.19	ug/l	# 16
51) 4-Methyl-2-Pentanone	9.46	43	9647	1.21	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.43	75	226043	77.67	ug/l	# 15
89) n-Butylbenzene	13.65	91	720	Below Cal	#	82

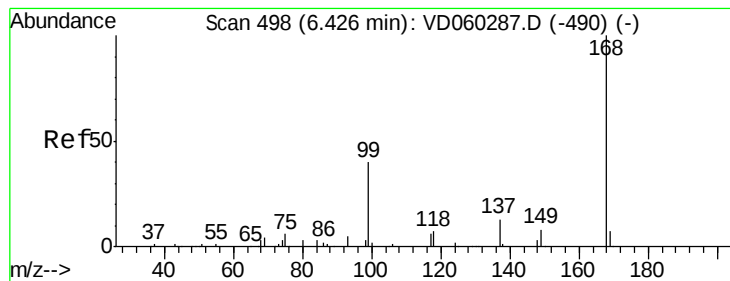
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

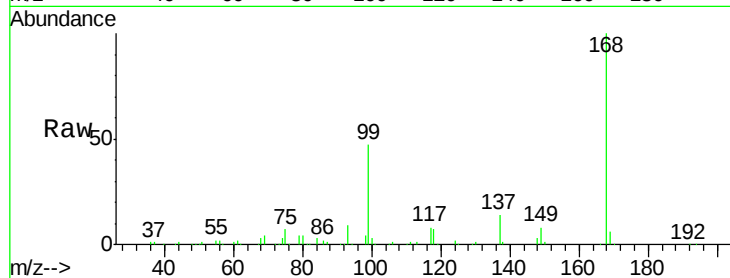
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1587258

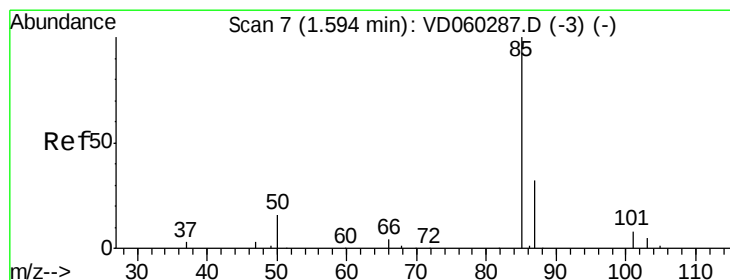
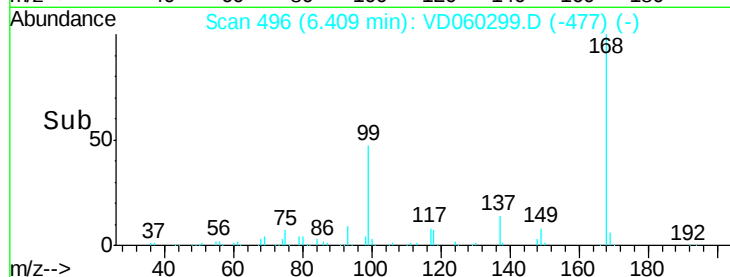
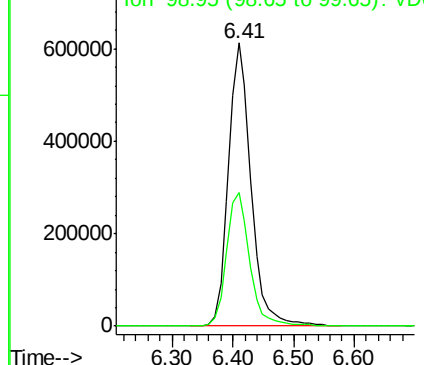
Ion Ratio Lower Upper

168 100

99 47.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60):
Ion 98.95 (98.65 to 99.65): VD



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 5

Delta R.T. -0.02 min

Lab File: VD060299.D

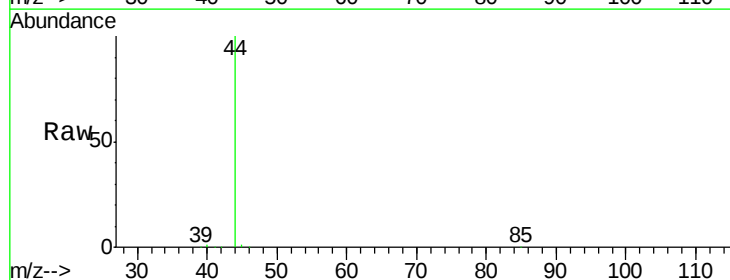
Acq: 7 Nov 2018 14:21

Tgt Ion: 85 Resp: 180

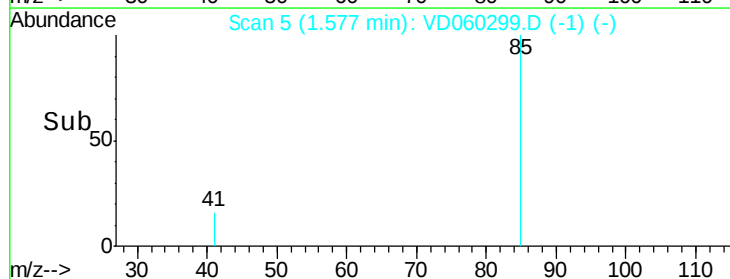
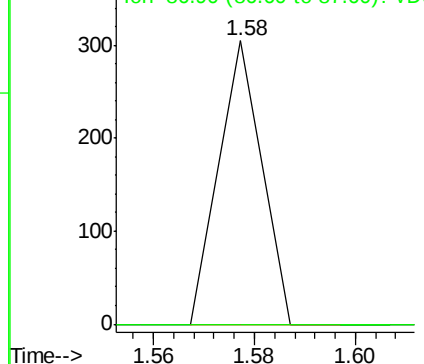
Ion Ratio Lower Upper

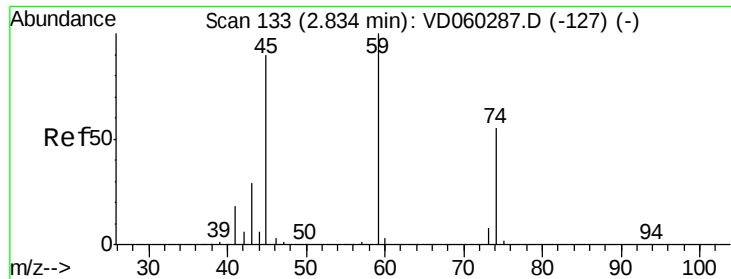
85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VD
Ion 86.90 (86.60 to 87.60): VD





#8

Diethyl Ether

Concen: 1.04 ug/l

RT: 2.82 min Scan# 131

Delta R.T. -0.02 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_D

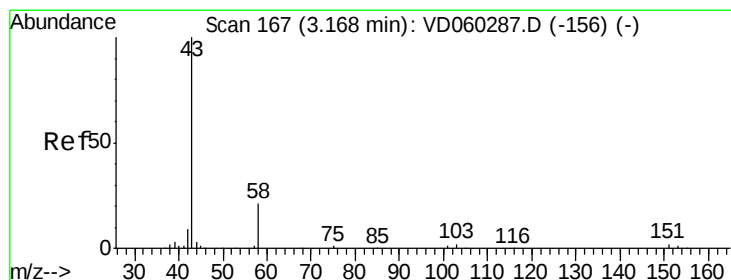
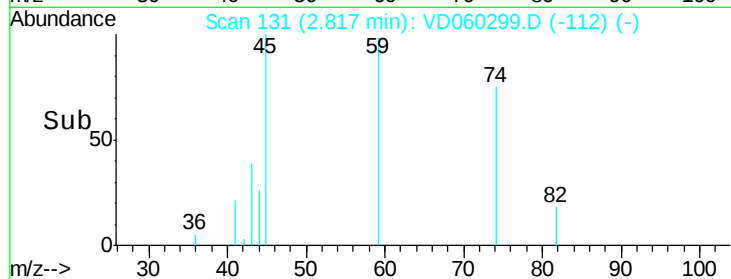
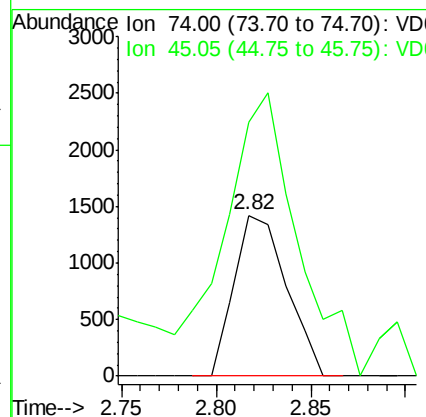
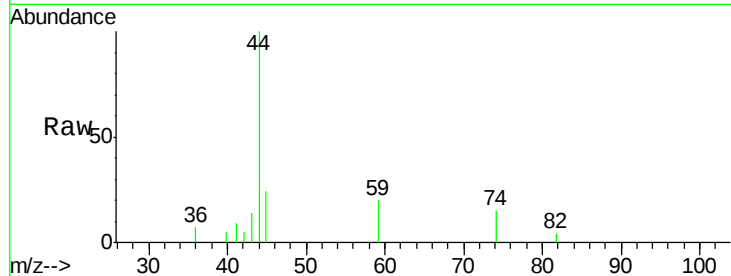
ClientSampleId :

Tot Ion: 74 Resp: 2713

Ion Ratio Lower Upper

74 100

45 157.6 84.8 254.4



#16

Acetone

Concen: 10.04 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060299.D

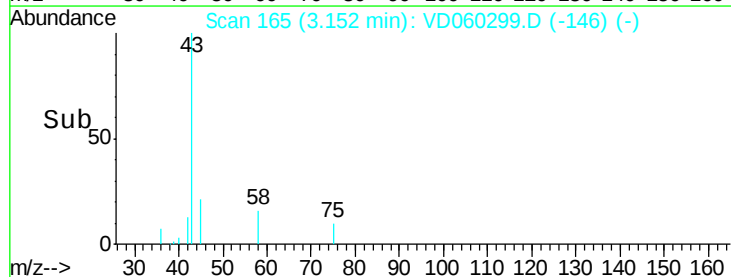
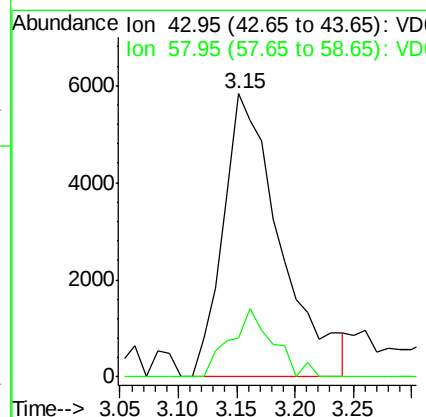
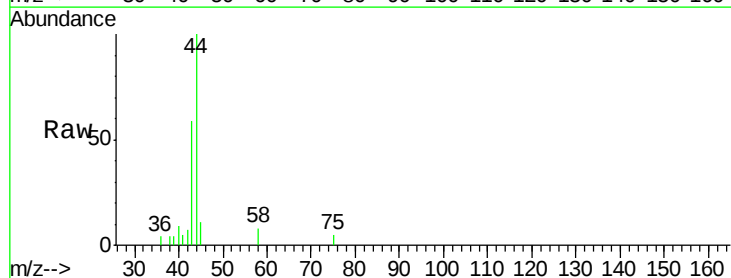
Acq: 7 Nov 2018 14:21

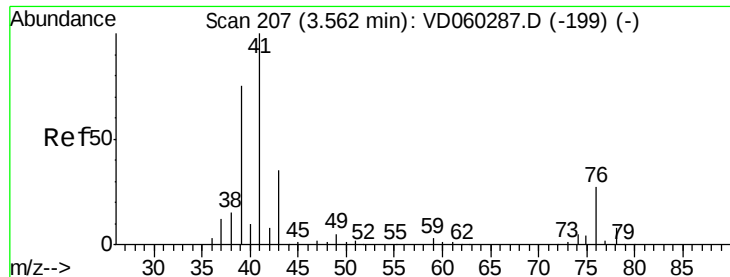
Tgt Ion: 43 Resp: 19798

Ion Ratio Lower Upper

43 100

58 13.8 16.9 25.3#

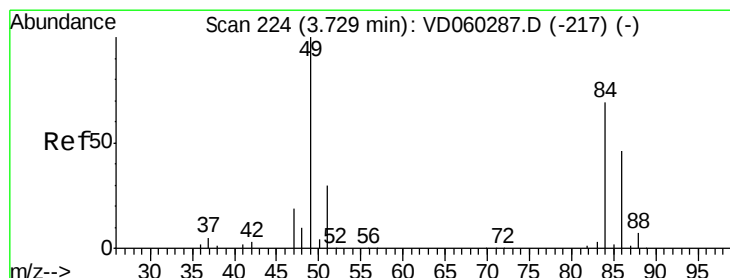
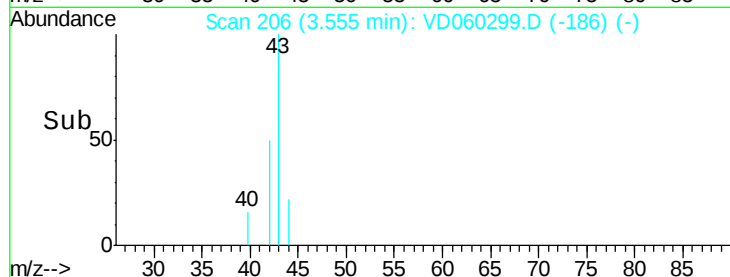
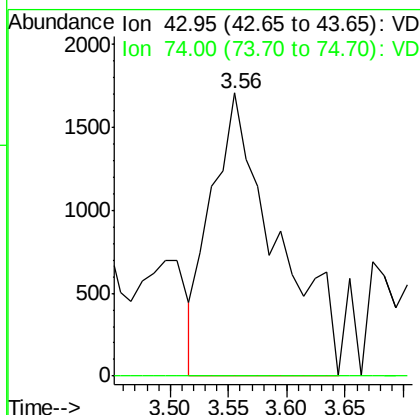
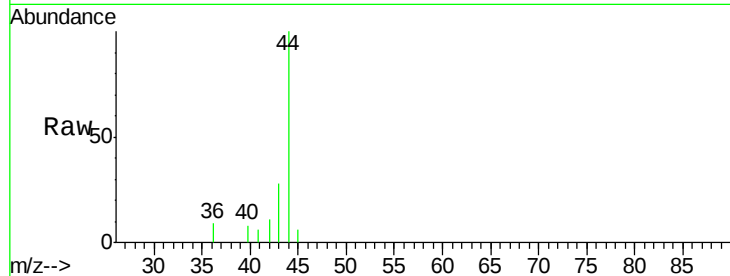




#18
Methyl Acetate
Concen: 1.57 ug/l
RT: 3.56 min Scan# 206
Delta R.T. -0.01 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

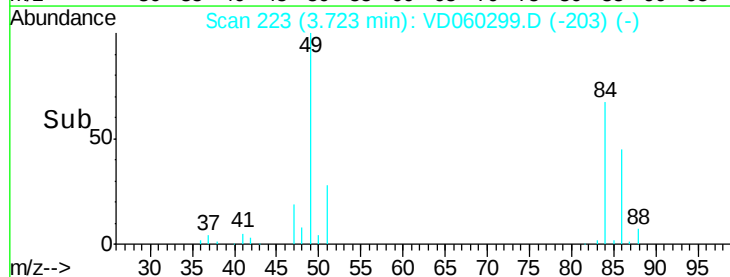
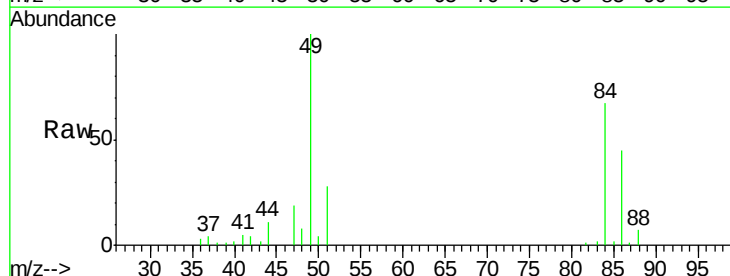
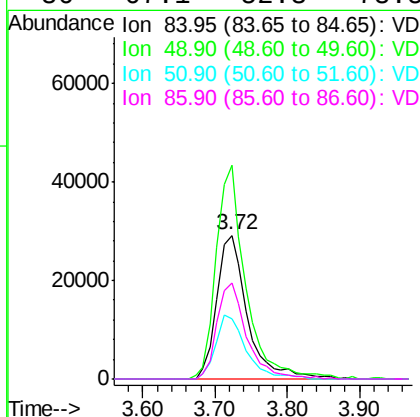
Instrument :
MSVOA_D
ClientSampled :

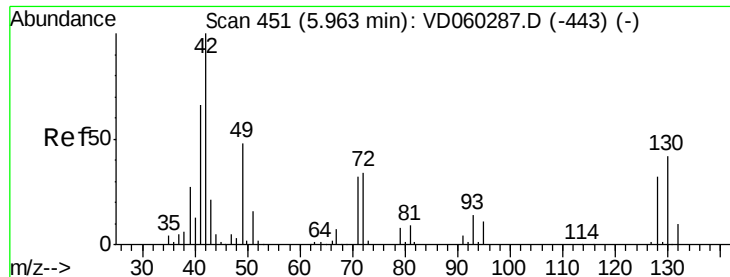
Tot Ion: 43 Resp: 6604
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 4.89 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 84 Resp: 85473
Ion Ratio Lower Upper
84 100
49 148.9 115.6 173.4
51 42.0 35.6 53.4
86 67.1 52.3 78.5





#29

Tetrahydrofuran

Concen: 1.03 ug/l

RT: 5.96 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampled :

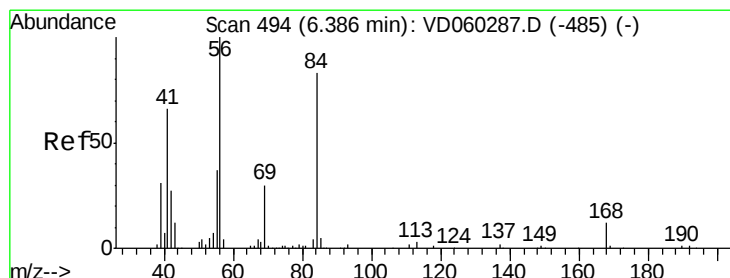
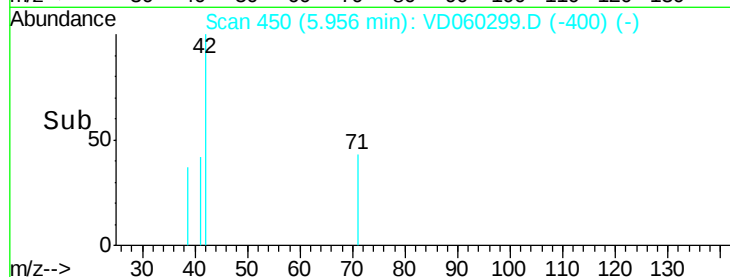
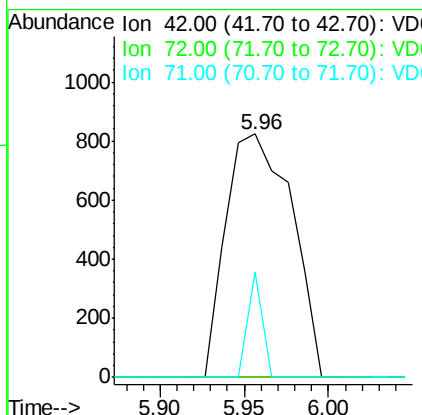
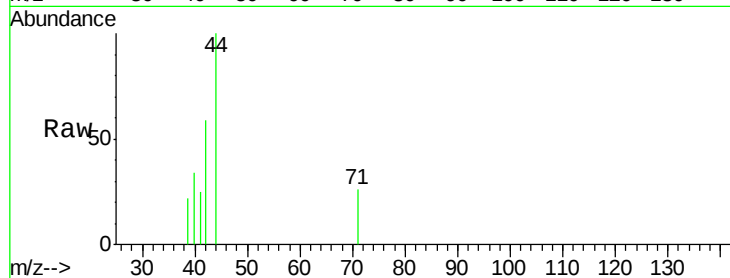
Tot Ion: 42 Resp: 2229

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

71 9.5 26.5 39.7#



#31

Cyclohexane

Concen: 1.11 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

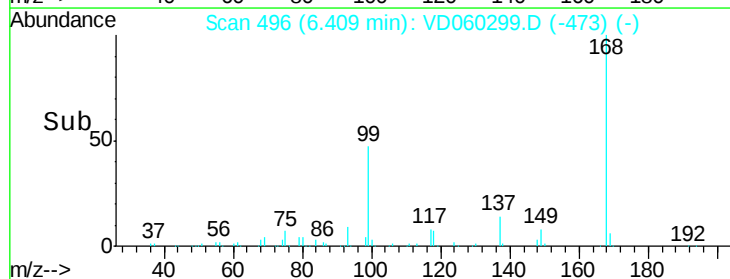
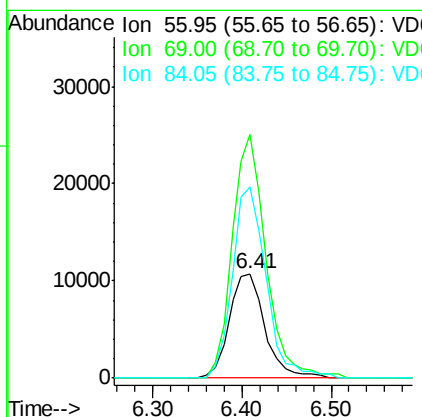
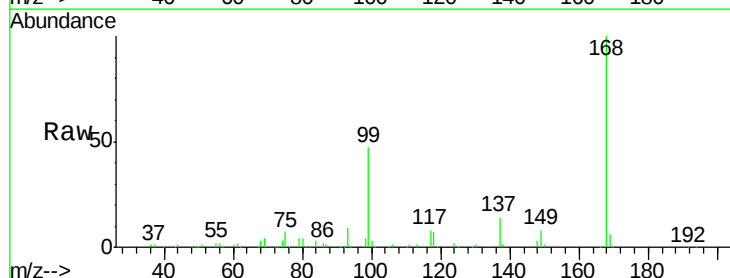
Tgt Ion: 56 Resp: 30087

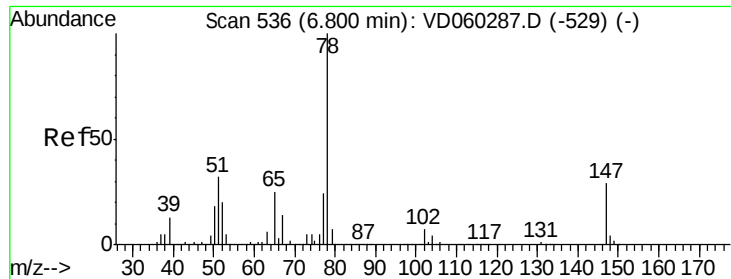
Ion Ratio Lower Upper

56 100

69 233.7 22.2 33.2#

84 183.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

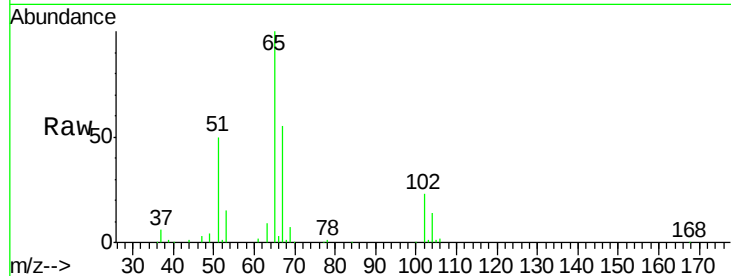
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 362978

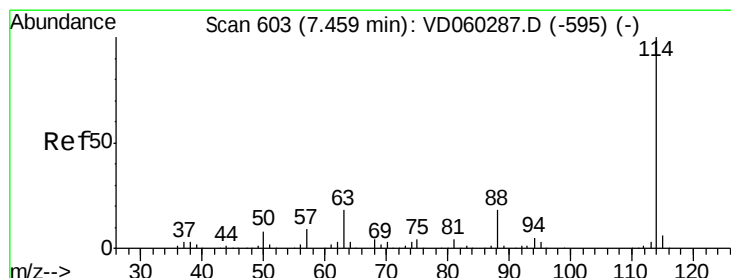
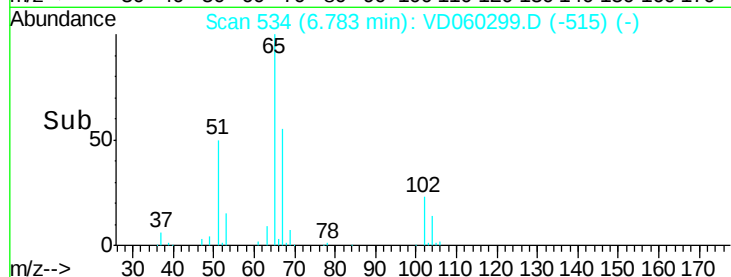
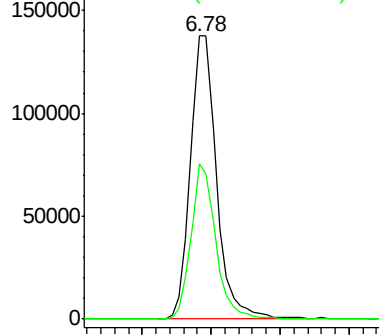
Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.8



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



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

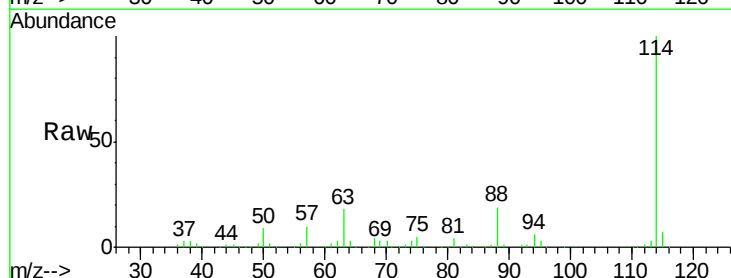
Tgt Ion:114 Resp: 2140779

Ion Ratio Lower Upper

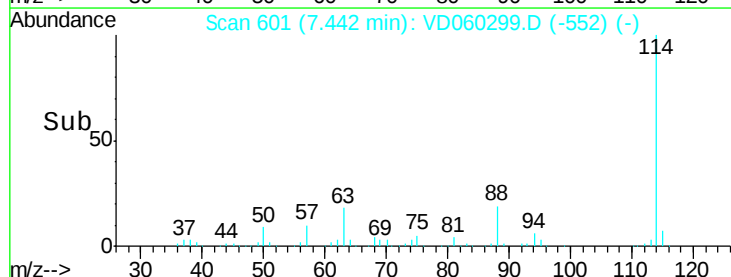
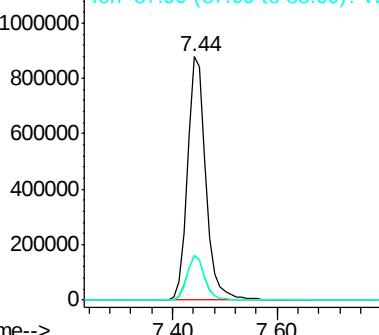
114 100

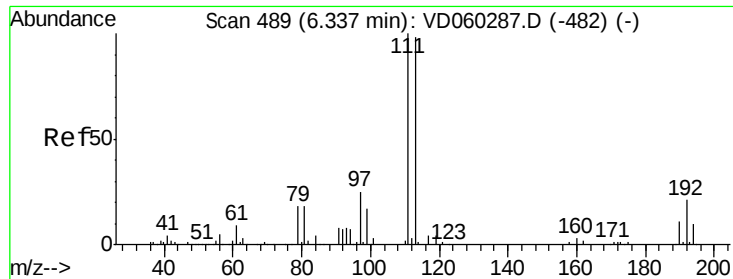
63 18.3 0.0 34.0

88 18.8 0.0 35.4



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

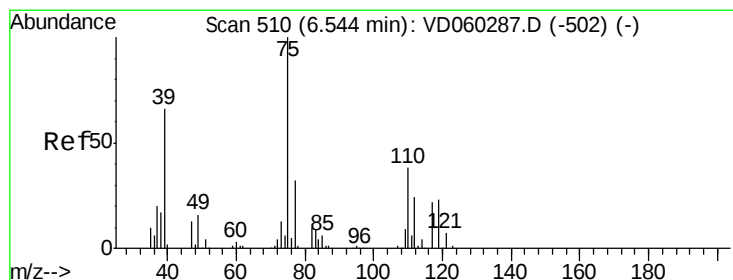
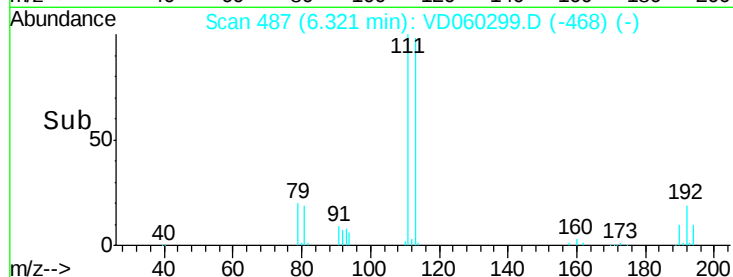
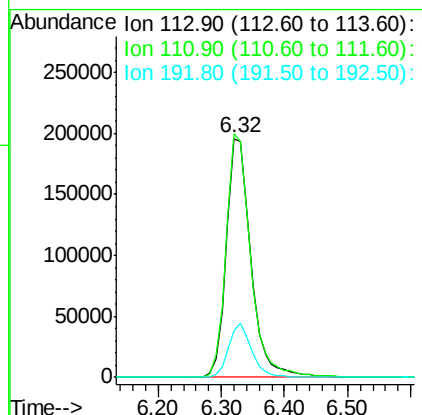
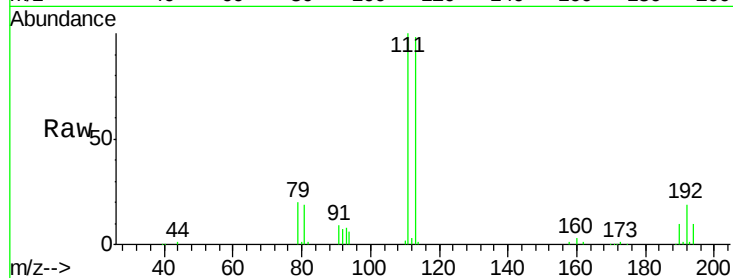




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.32 min Scan# 487
Delta R.T. -0.02 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

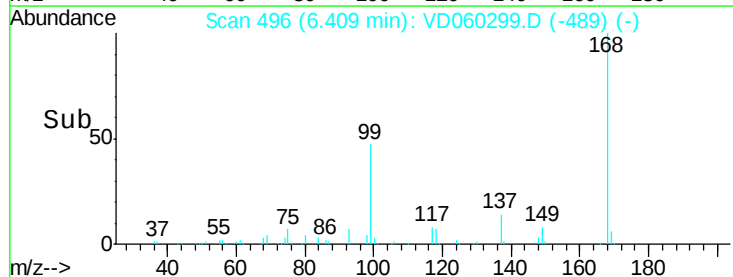
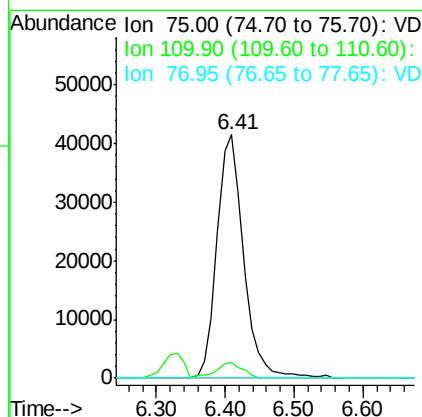
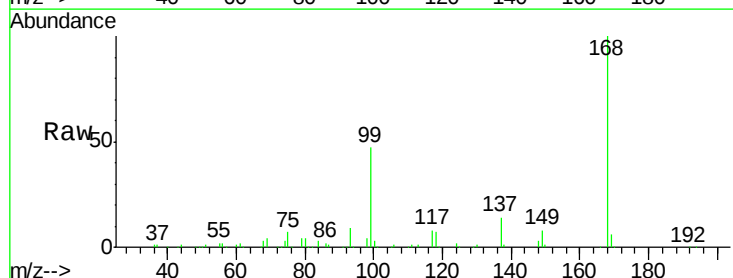
Instrument :
MSVOA_D
ClientSampled :

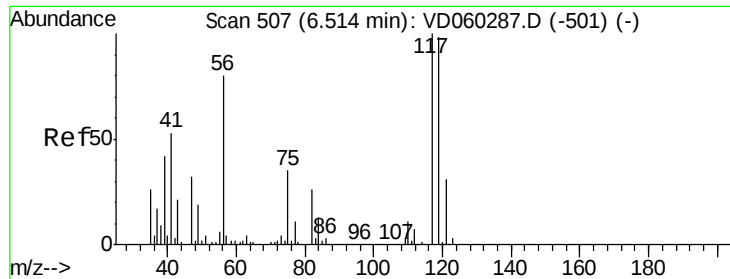
Tot Ion:113 Resp: 532085
Ion Ratio Lower Upper
113 100
111 101.9 81.6 122.4
192 19.3 16.5 24.7



#36
1,1-Dichloropropene
Concen: 5.27 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.13 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 75 Resp: 111565
Ion Ratio Lower Upper
75 100
110 6.7 18.0 54.0#
77 0.0 25.6 38.4#

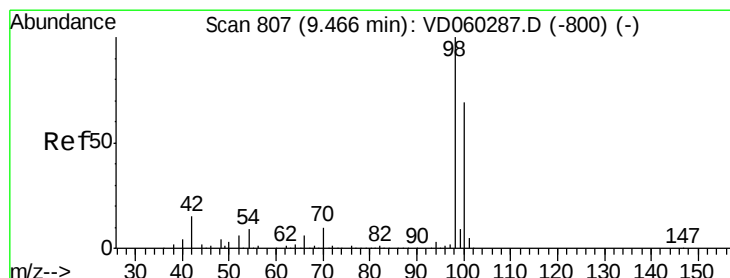
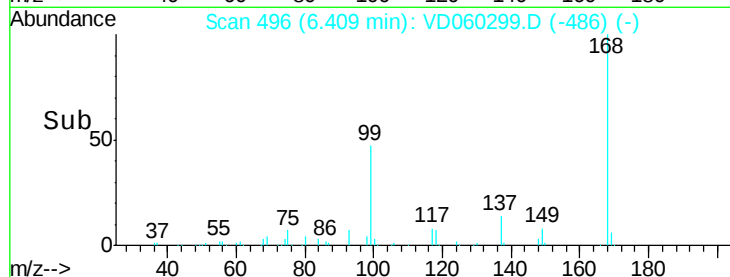
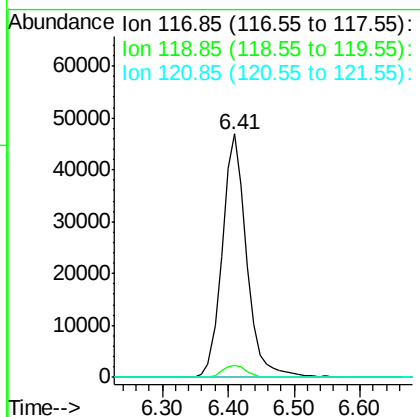
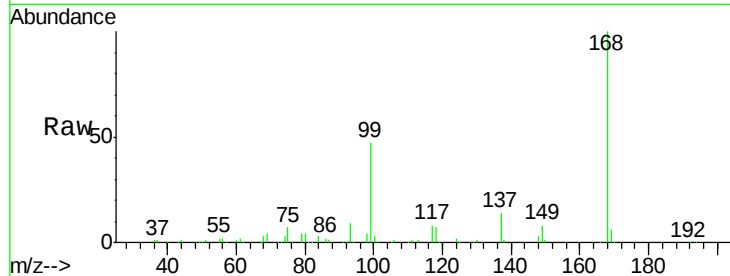




#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.11 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

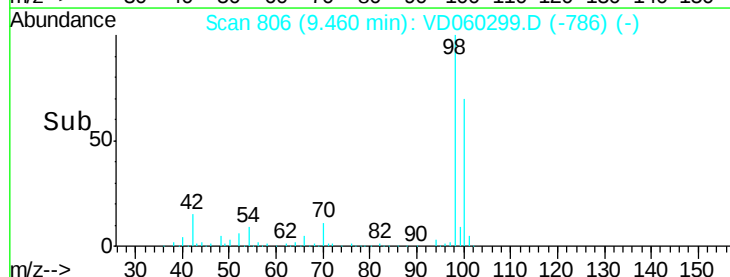
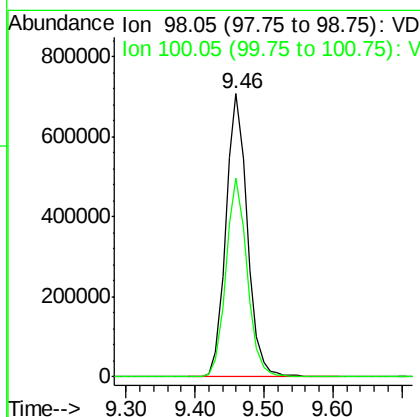
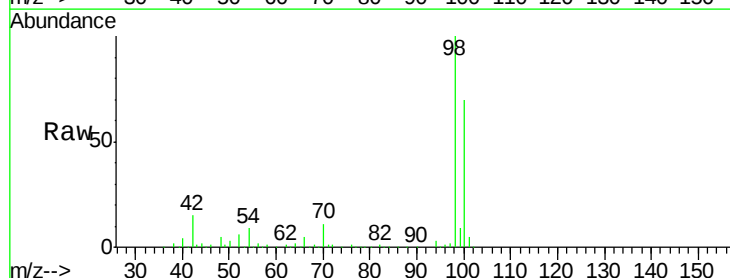
Instrument :
MSVOA_D
ClientSampled :

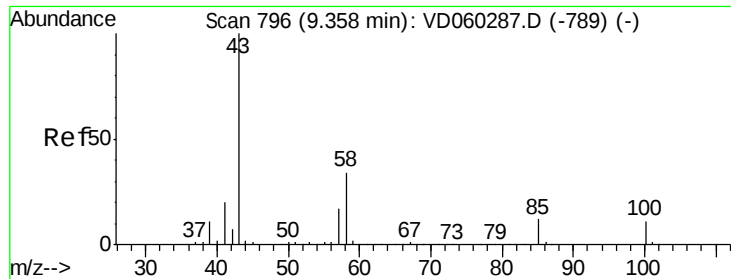
Tot Ion:117 Resp: 121410
Ion Ratio Lower Upper
117 100
119 4.7 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 98 Resp: 1519594
Ion Ratio Lower Upper
98 100
100 70.1 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.21 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_D

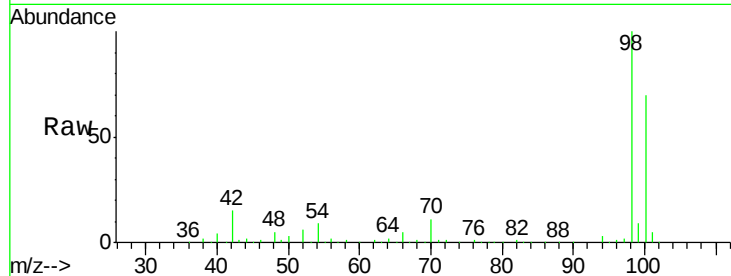
ClientSampleId :

Tot Ion: 43 Resp: 9647

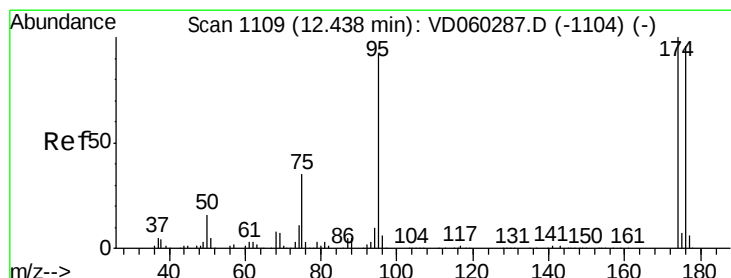
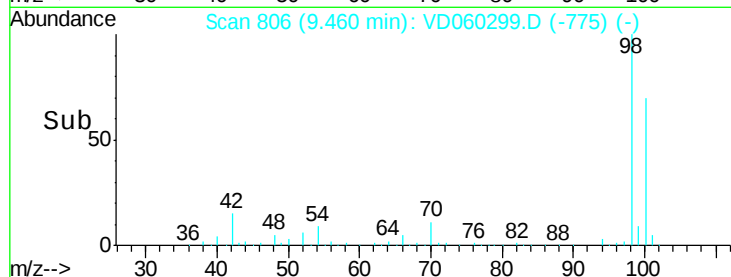
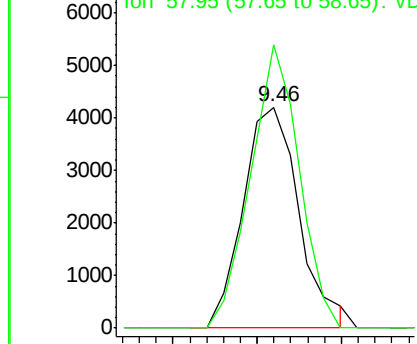
Ion Ratio Lower Upper

43 100

58 128.3 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD
Ion 57.95 (57.65 to 58.65): VD



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

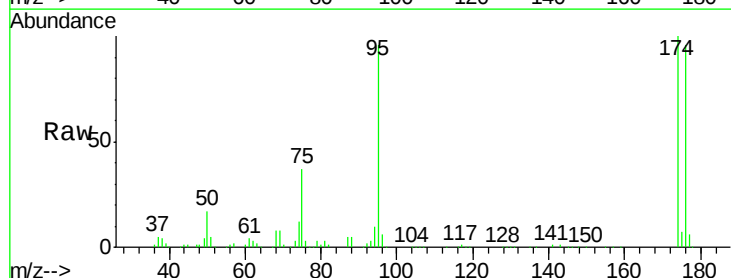
Tgt Ion: 95 Resp: 562995

Ion Ratio Lower Upper

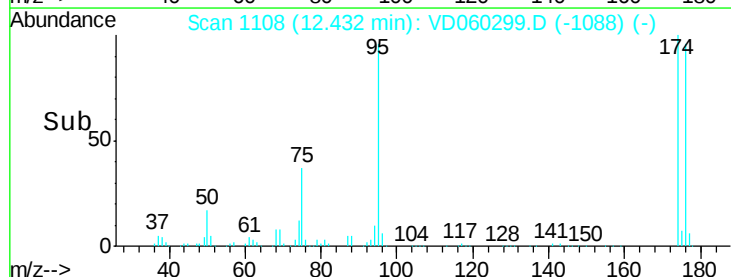
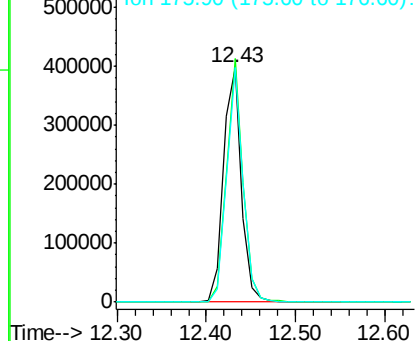
95 100

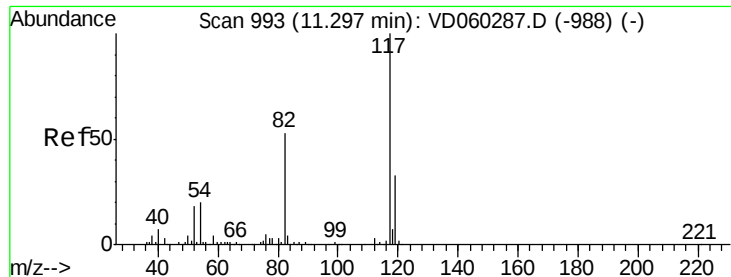
174 103.9 0.0 160.8

176 100.2 0.0 154.6



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

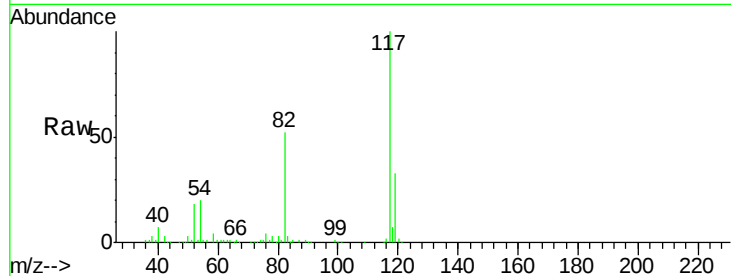




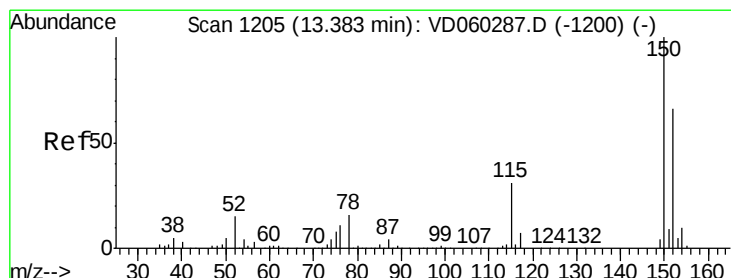
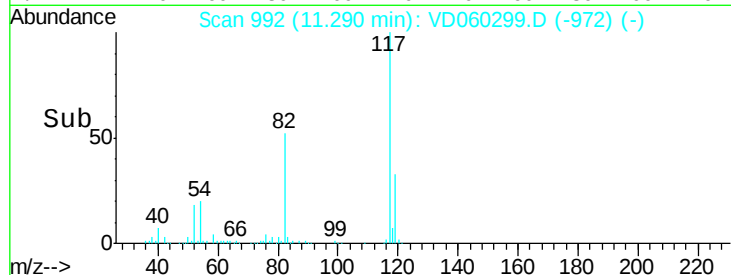
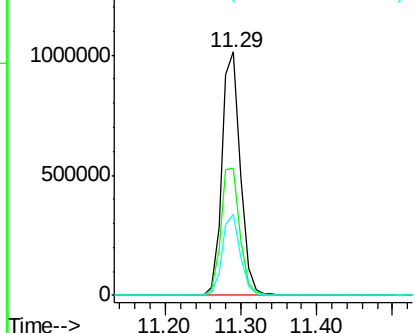
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1717430
Ion Ratio Lower Upper
117 100
82 52.1 43.7 65.5
119 33.2 26.1 39.1

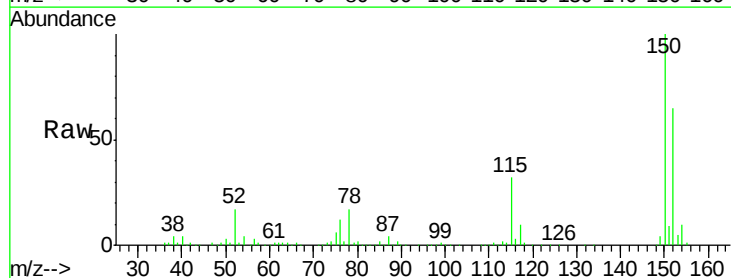


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

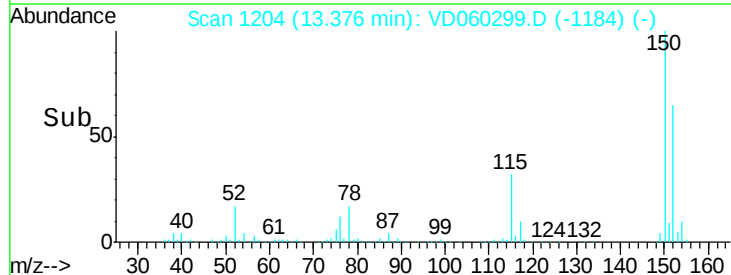
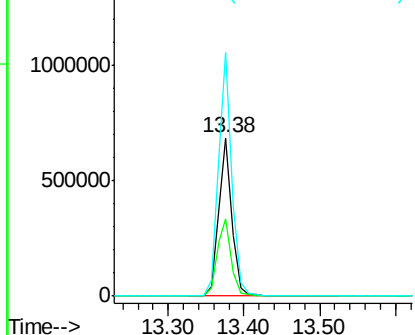


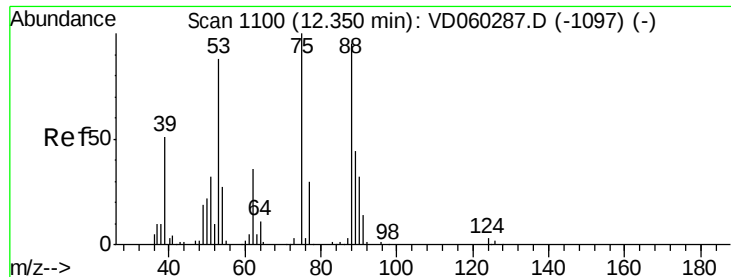
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060299.D
Acq: 7 Nov 2018 14:21

Tgt Ion:152 Resp: 854522
Ion Ratio Lower Upper
152 100
115 48.9 24.1 72.3
150 153.8 0.0 310.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 77.67 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060299.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_D

ClientSampleId :

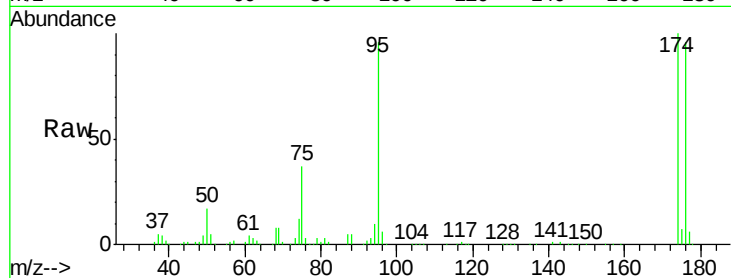
Tot Ion: 75 Resp: 226043

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 53.00 (52.70 to 53.70): VD

Ion 89.00 (88.70 to 89.70): VD

