

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060487.D
 Acq On : 4 Dec 2018 15:07
 Operator : VA/AP
 Sample : J6198-01
 Misc : 8.42g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SA-06-120318

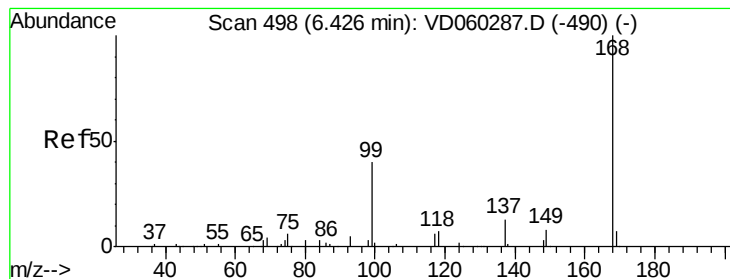
Quant Time: Dec 05 02:25:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	170999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	274424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	256568	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	130761	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	116465	95.12	ug/l	0.00
Spiked Amount			Recovery	=	190.24%	
35) Dibromofluoromethane	6.33	113	116803	57.08	ug/l	0.00
Spiked Amount			Recovery	=	114.16%	
50) Toluene-d8	9.46	98	238133	39.76	ug/l	0.00
Spiked Amount			Recovery	=	79.52%	
62) 4-Bromofluorobenzene	12.43	95	108444	49.97	ug/l	-0.01
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	664	2.116	ug/l #	2
16) Acetone	3.18	43	15288	71.984	ug/l #	85
18) Methyl Acetate	3.56	43	2577	5.691	ug/l #	63
20) Methylene Chloride	3.75	84	26672	14.157	ug/l	89
25) 2-Butanone	5.63	43	2116	4.793	ug/l #	60
29) Tetrahydrofuran	5.97	42	1230	5.285	ug/l #	41
36) 1,1-Dichloropropene	6.41	75	11863	4.376	ug/l #	46
37) Ethyl Acetate	5.63	43	2116	1.696	ug/l #	69
38) Carbon Tetrachloride	6.41	117	12329	4.902	ug/l #	17
51) 4-Methyl-2-Pentanone	9.36	43	1061	1.040	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.43	75	43346	97.335	ug/l #	15
89) n-Butylbenzene	13.66	91	231	Below Cal	#	29

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060487.D

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ClientSampleId :

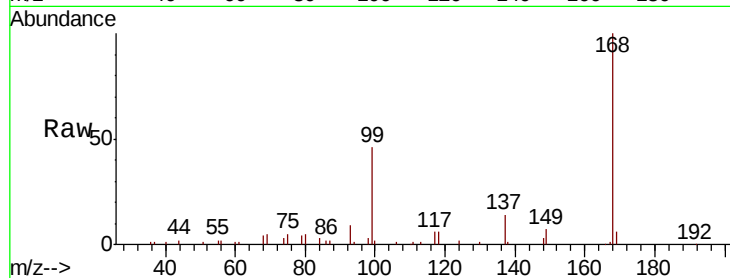
SA-06-120318

Tot Ion:168 Resp: 170999

Ion Ratio Lower Upper

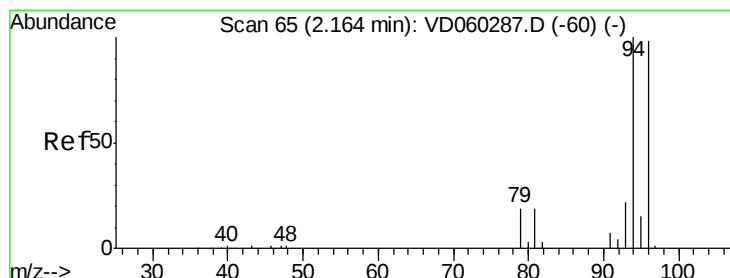
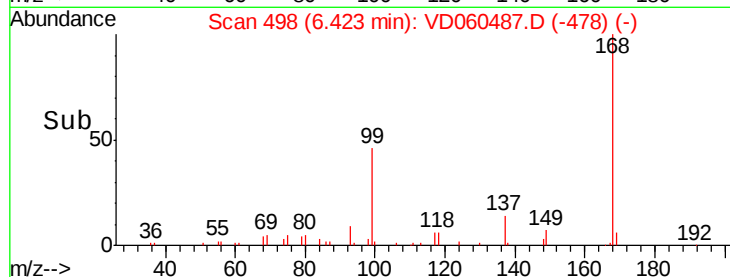
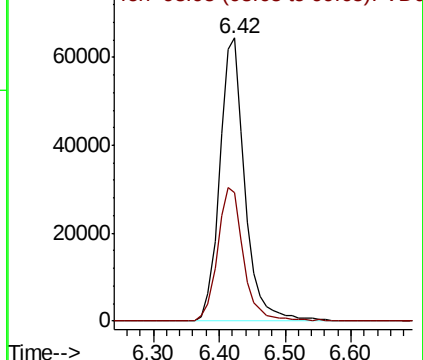
168 100

99 45.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.116 ug/l

RT: 2.19 min Scan# 68

Delta R.T. 0.03 min

Lab File: VD060487.D

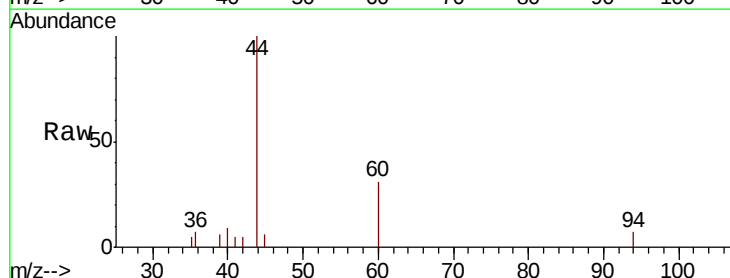
Acq: 4 Dec 2018 15:07

Tgt Ion: 94 Resp: 664

Ion Ratio Lower Upper

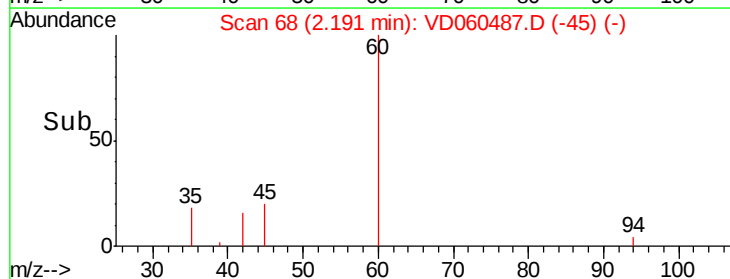
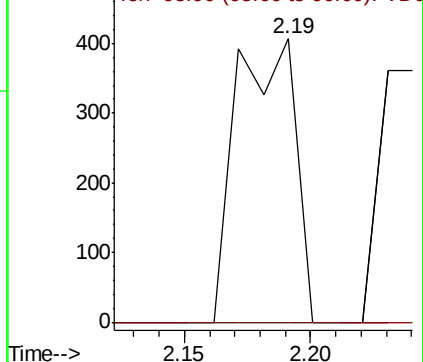
94 100

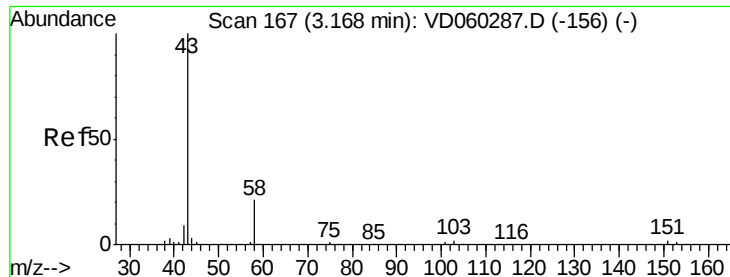
96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 71.984 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060487.D

Acq: 4 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

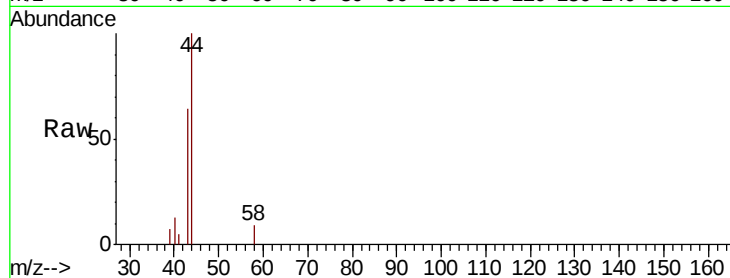
SA-06-120318

Tot Ion: 43 Resp: 15288

Ion Ratio Lower Upper

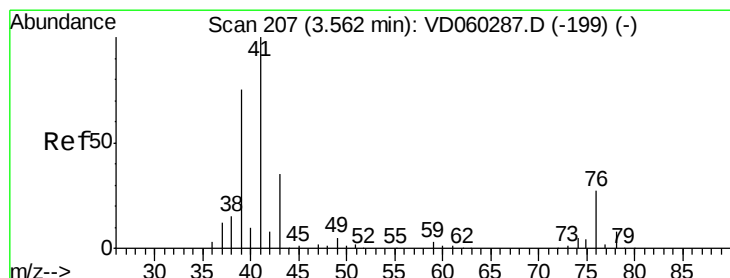
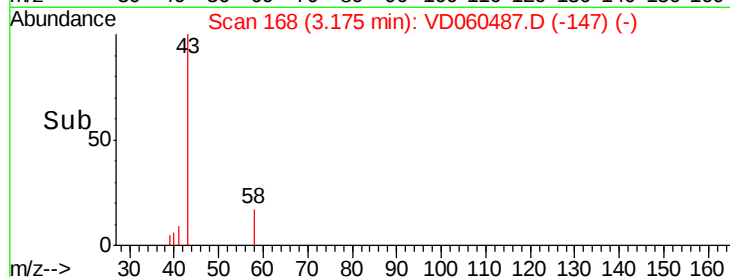
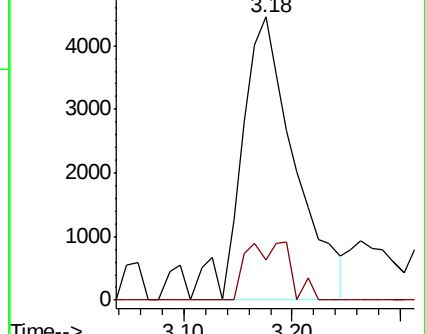
43 100

58 14.3 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: 5.691 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.00 min

Lab File: VD060487.D

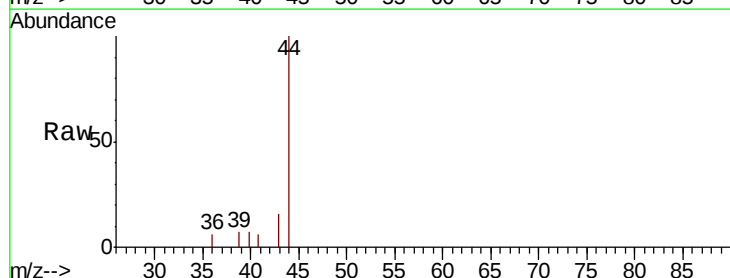
Acq: 4 Dec 2018 15:07

Tgt Ion: 43 Resp: 2577

Ion Ratio Lower Upper

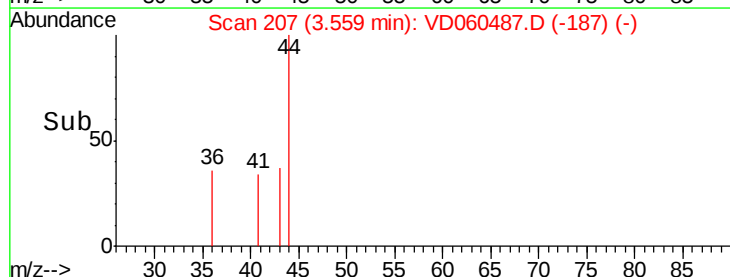
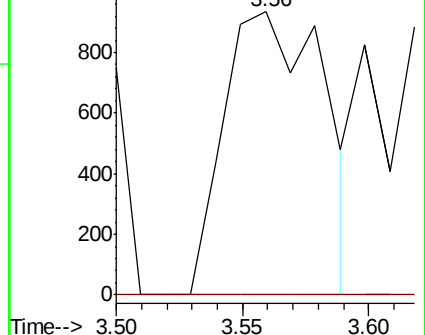
43 100

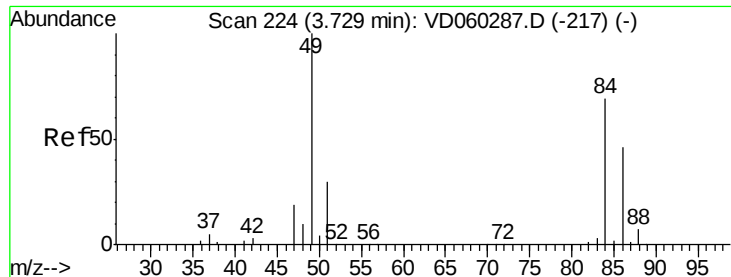
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

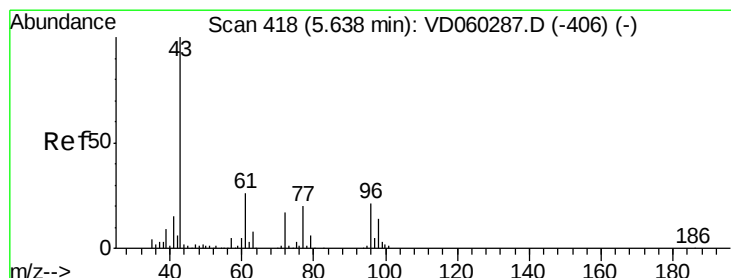
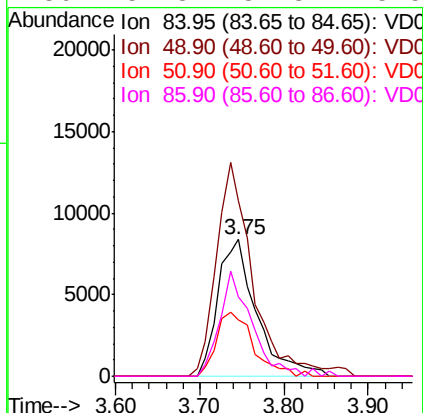
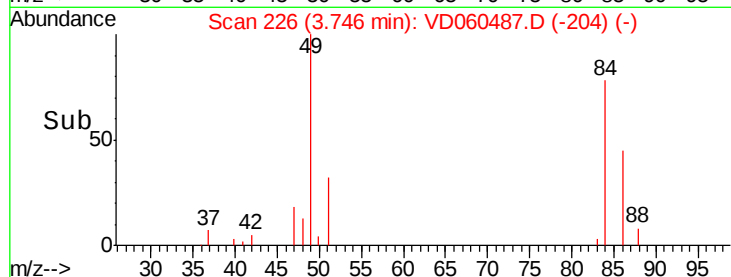
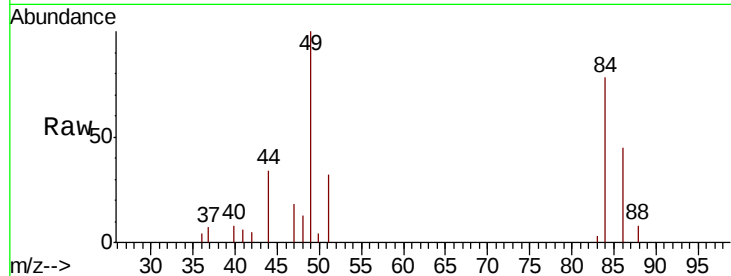




#20
Methvlene Chloride
Concen: 14.157 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

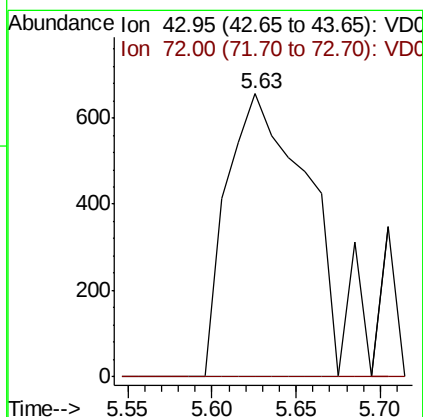
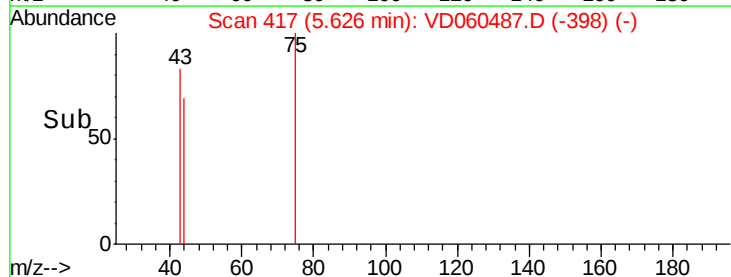
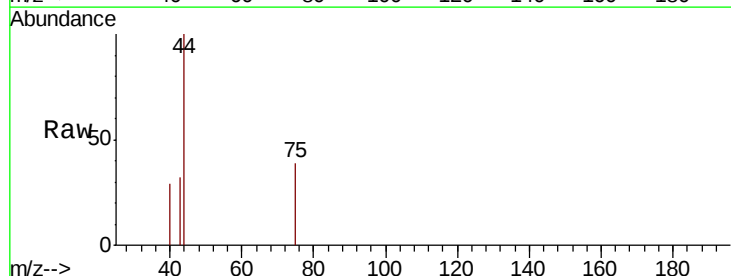
Instrument :
MSVOA_D
ClientSampleId :
SA-06-120318

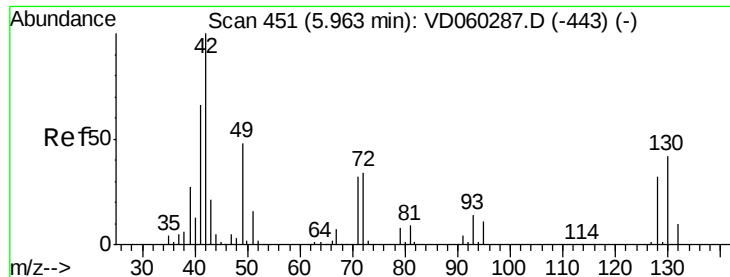
Tot Ion: 84 Resp: 26672
Ion Ratio Lower Upper
84 100
49 128.8 115.6 173.4
51 41.0 35.6 53.4
86 57.8 52.3 78.5



#25
2-Butanone
Concen: 4.793 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#





#29

Tetrahydrofuran

Concen: 5.285 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060487.D

Acq: 4 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

SA-06-120318

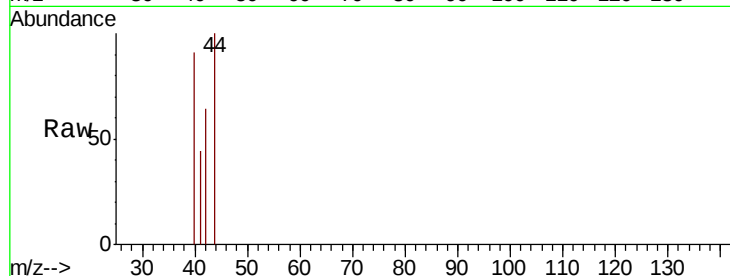
Tot Ion: 42 Resp: 1230

Ion Ratio Lower Upper

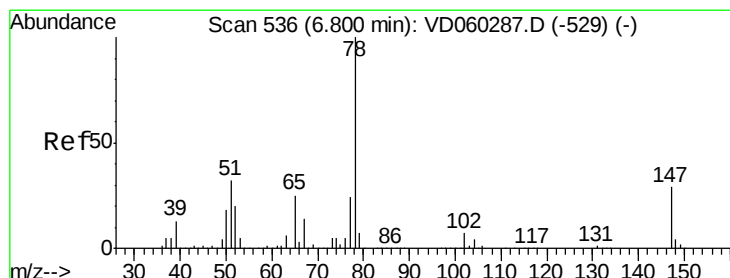
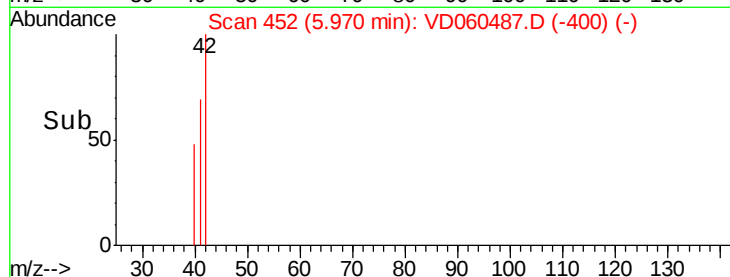
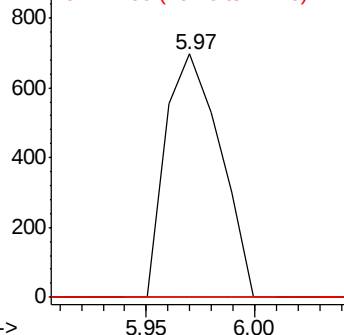
42 100

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060487.D

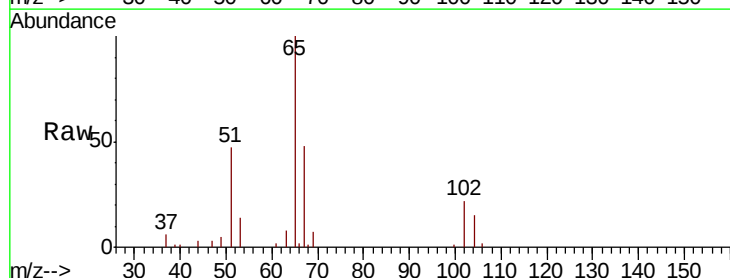
Acq: 4 Dec 2018 15:07

Tgt Ion: 65 Resp: 116465

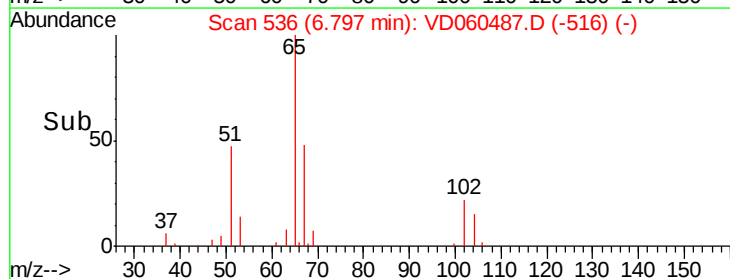
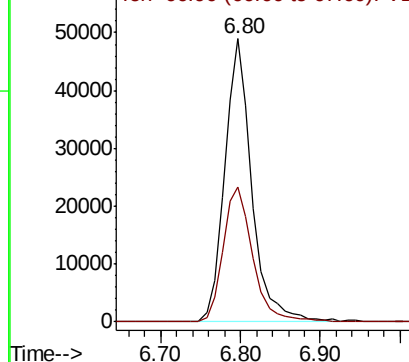
Ion Ratio Lower Upper

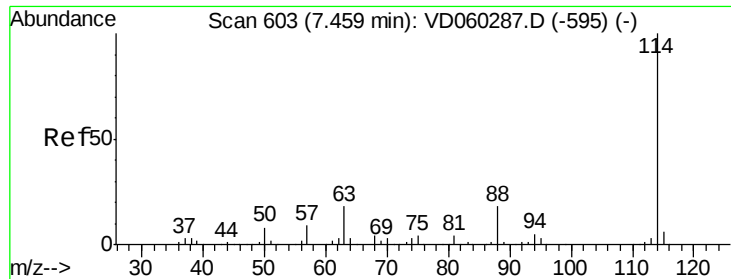
65 100

67 47.8 0.0 109.8



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

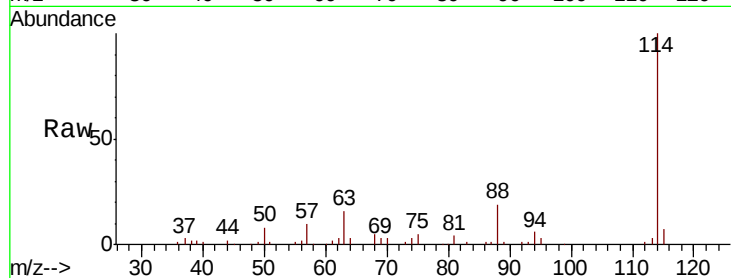




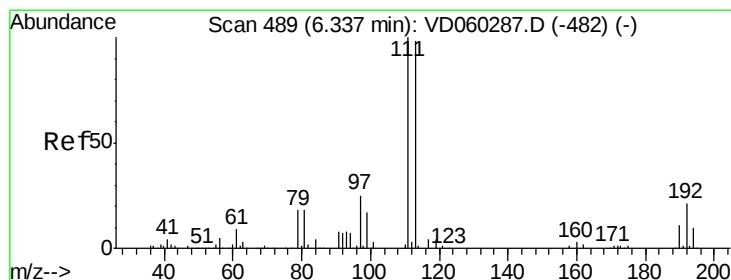
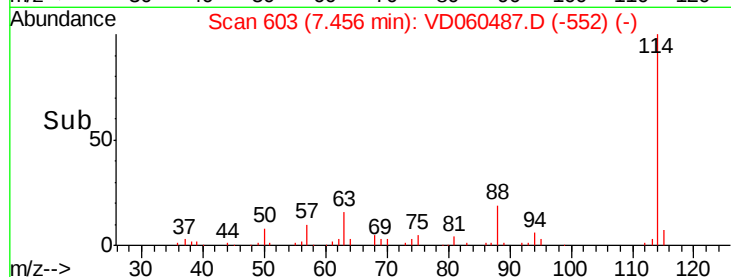
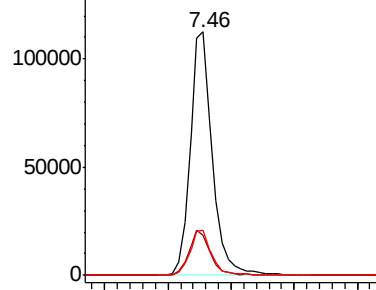
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.46 min Scan# 603
Delta R.T. -0.00 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
SA-06-120318

Tot Ion:114 Resp: 274424
Ion Ratio Lower Upper
114 100
63 16.2 0.0 34.0
88 18.7 0.0 35.4

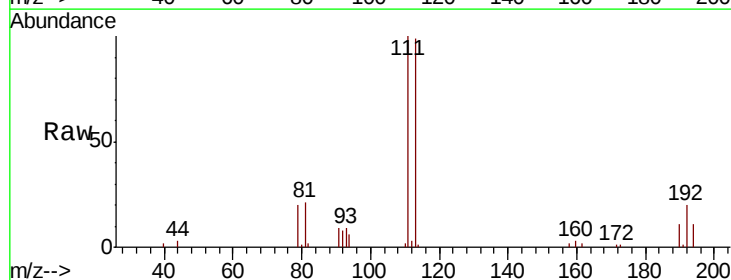


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

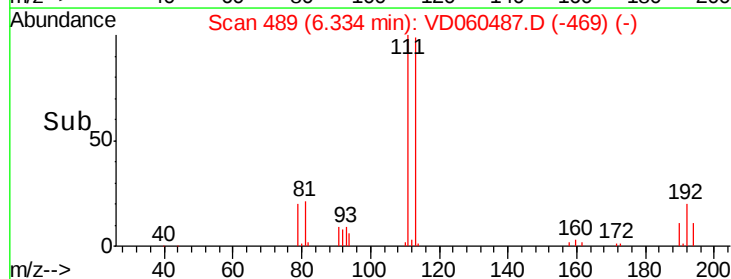
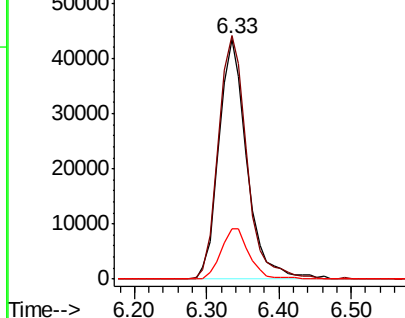


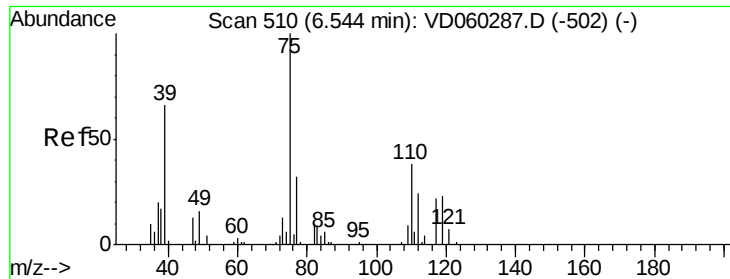
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

Tgt Ion:113 Resp: 116803
Ion Ratio Lower Upper
113 100
111 101.5 81.6 122.4
192 20.7 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: 4.376 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.13 min

Lab File: VD060487.D

Acq: 4 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

SA-06-120318

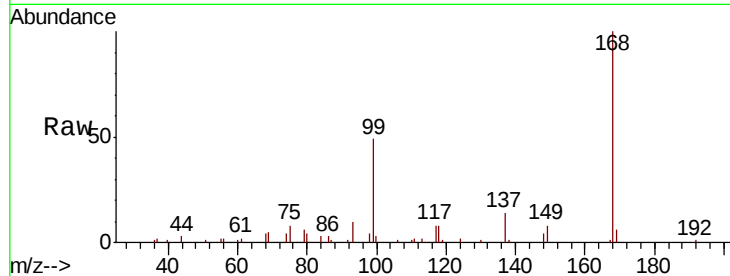
Tot Ion: 75 Resp: 11863

Ion Ratio Lower Upper

75 100

110 6.4 18.0 54.0#

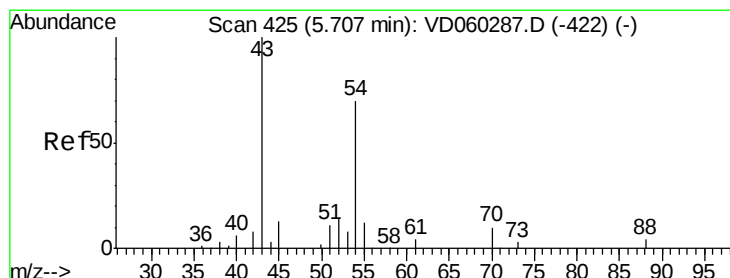
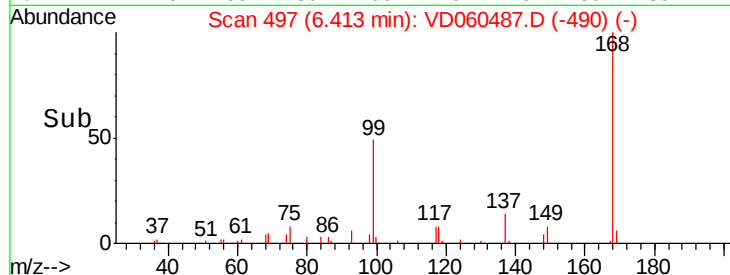
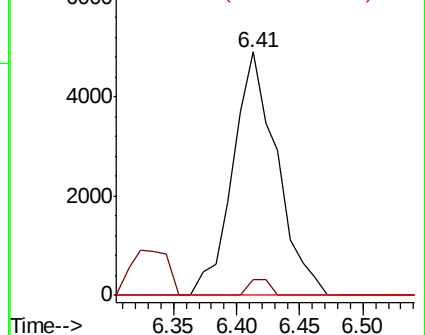
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.696 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.08 min

Lab File: VD060487.D

Acq: 4 Dec 2018 15:07

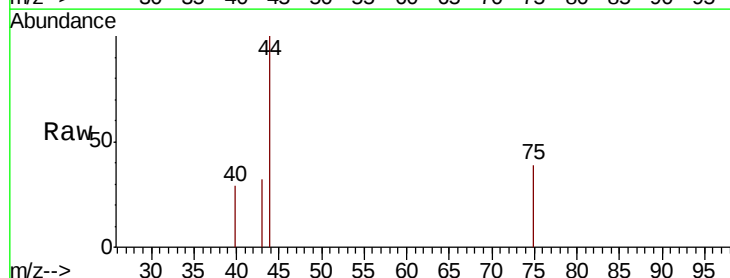
Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

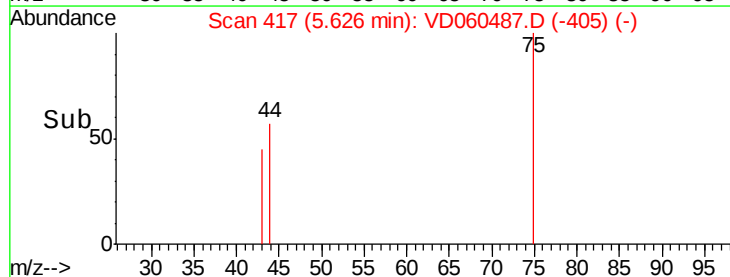
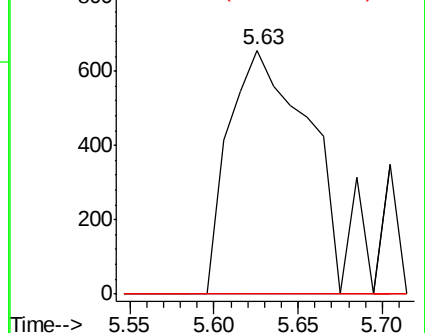
70 0.0 6.2 9.4#

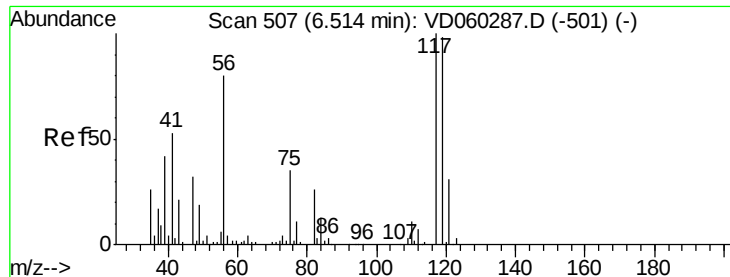


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

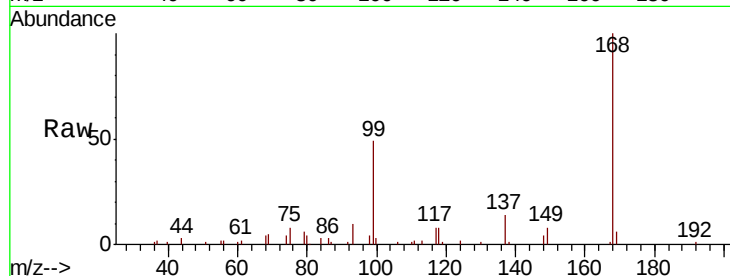




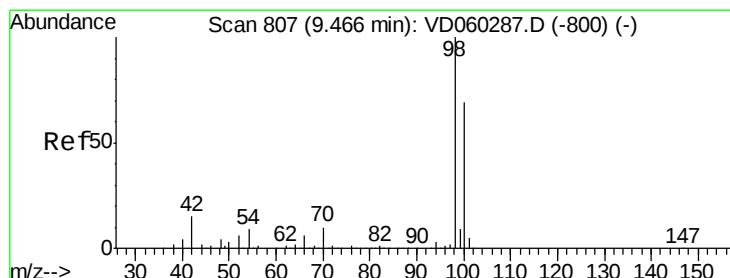
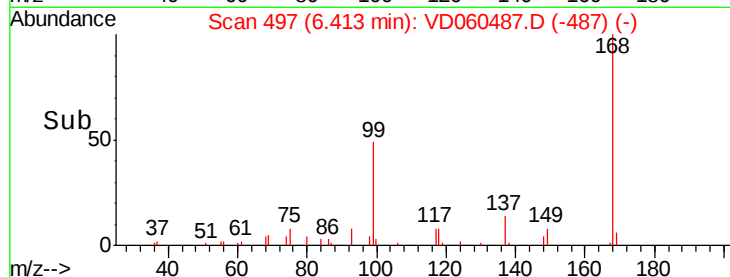
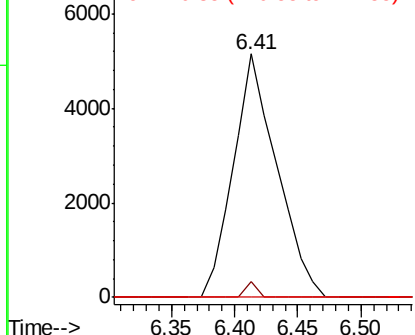
#38
Carbon Tetrachloride
Concen: 4.902 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
SA-06-120318

Tot Ion:117 Resp: 12329
Ion Ratio Lower Upper
117 100
119 6.6 76.6 115.0#
121 0.0 24.3 36.5#

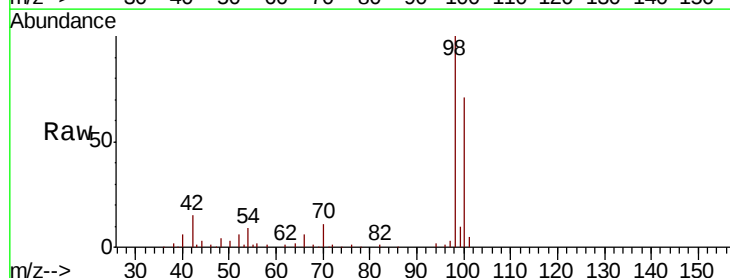


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

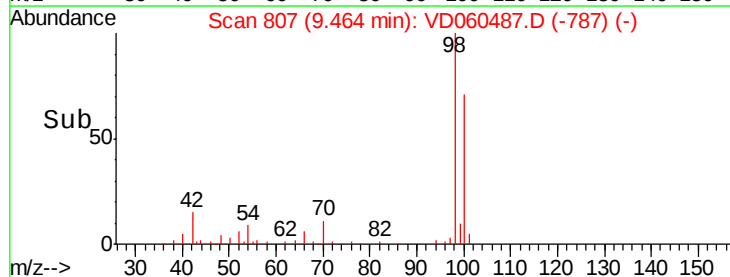
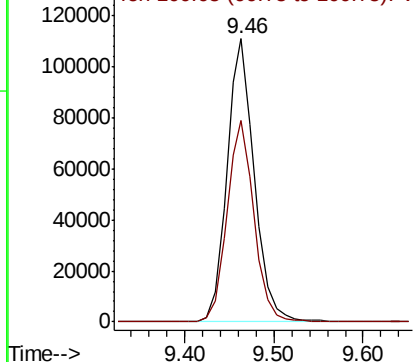


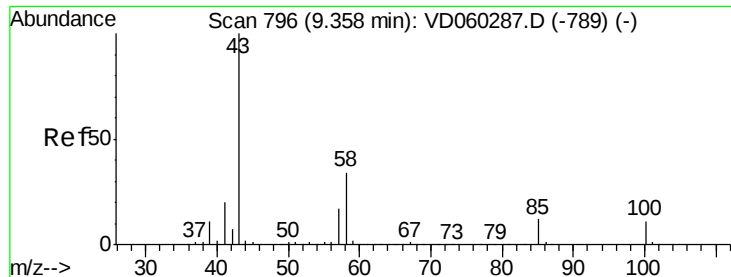
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

Tgt Ion: 98 Resp: 238133
Ion Ratio Lower Upper
98 100
100 71.3 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: 1.040 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060487.D

Acq: 4 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

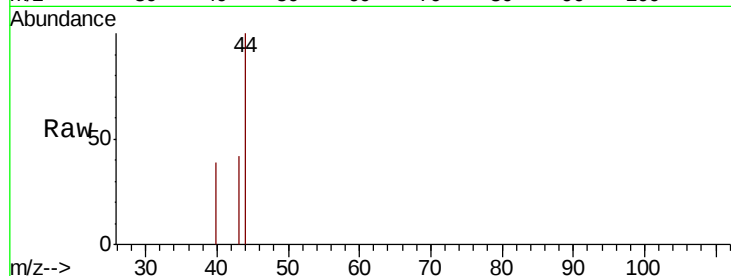
SA-06-120318

Tot Ion: 43 Resp: 1061

Ion Ratio Lower Upper

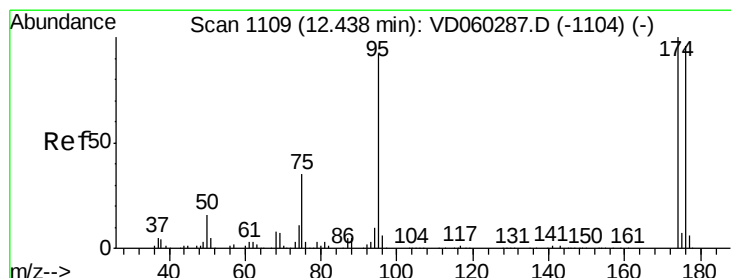
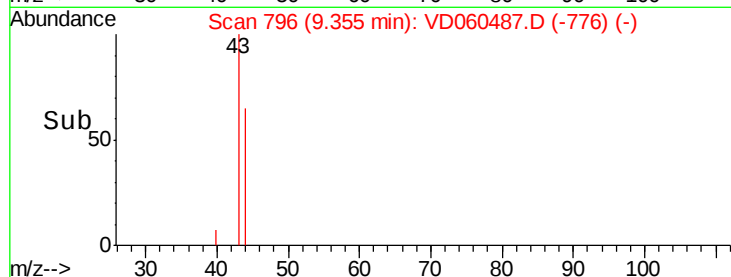
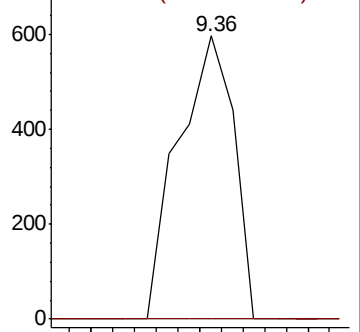
43 100

58 0.0 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: VD060487.D

Acq: 4 Dec 2018 15:07

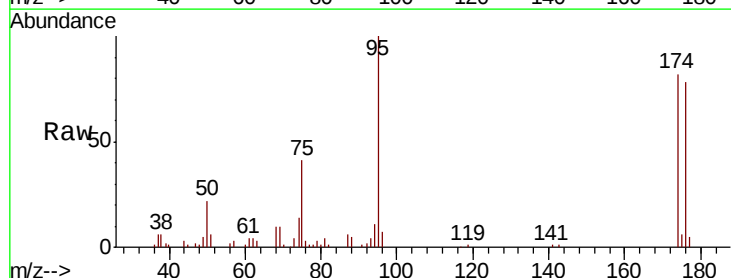
Tgt Ion: 95 Resp: 108444

Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.8

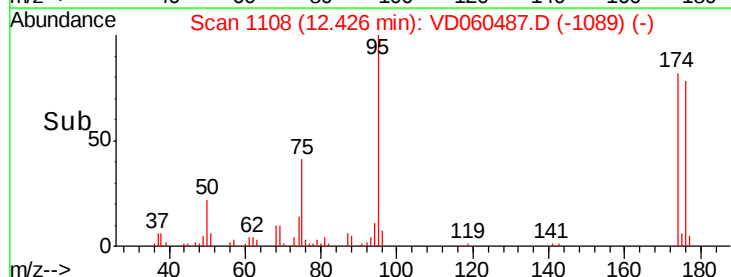
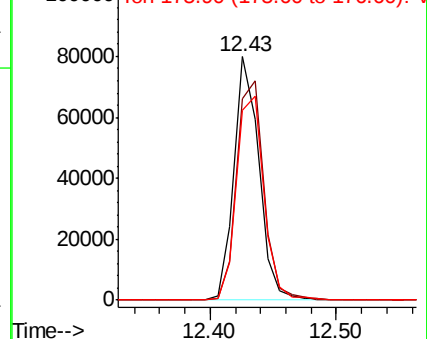
176 78.2 0.0 154.6

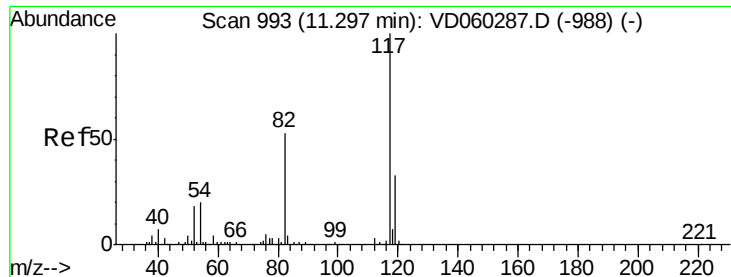


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

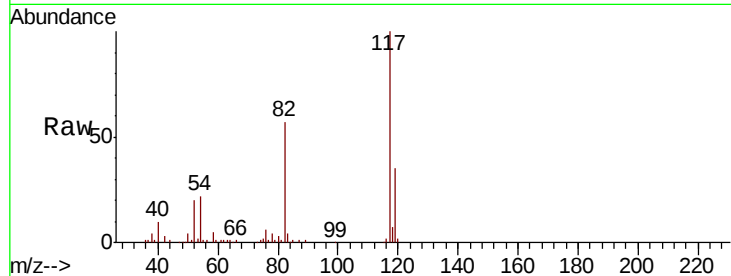




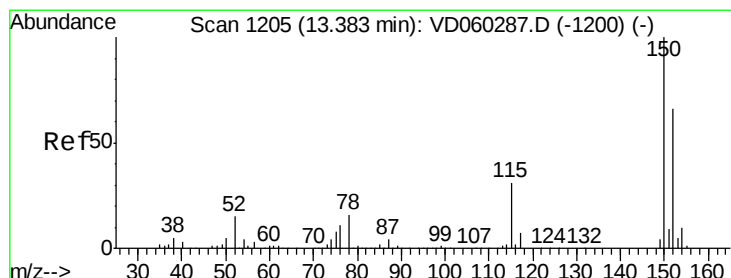
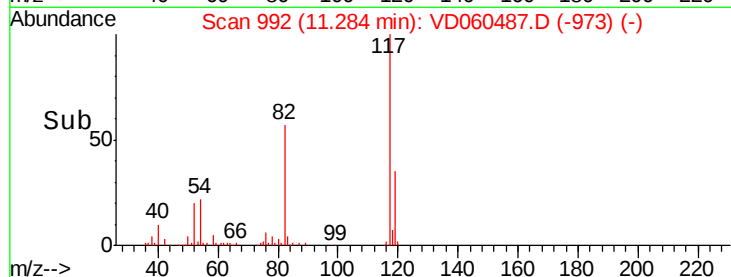
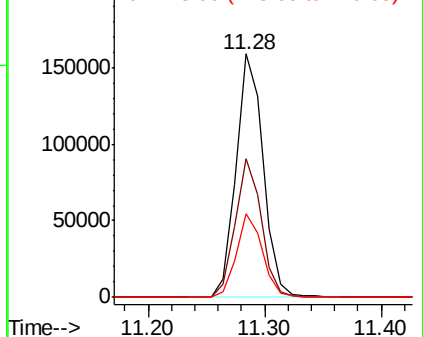
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
SA-06-120318

Tot Ion:117 Resp: 256568
Ion Ratio Lower Upper
117 100
82 57.2 43.7 65.5
119 34.5 26.1 39.1

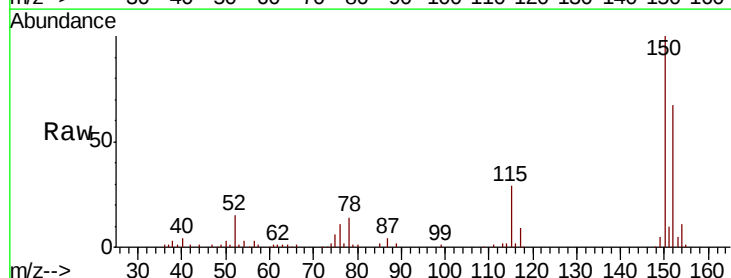


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

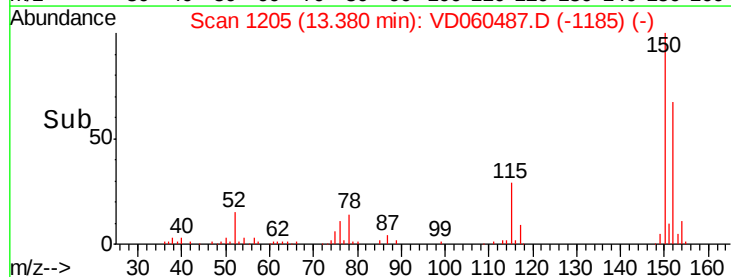
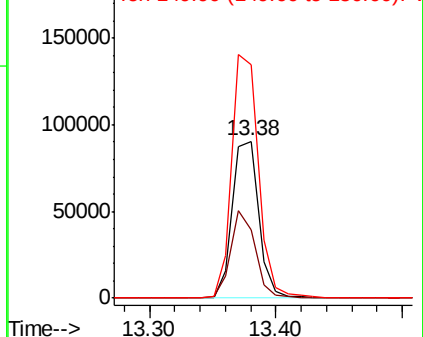


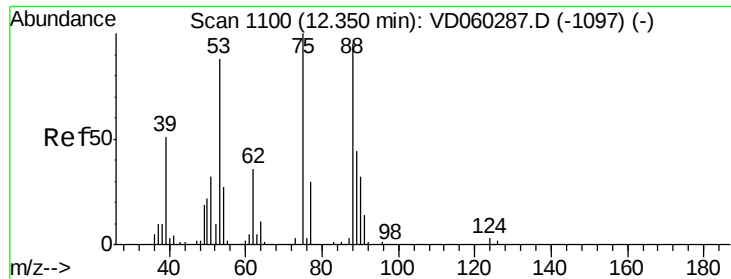
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060487.D
Acq: 4 Dec 2018 15:07

Tgt Ion:152 Resp: 130761
Ion Ratio Lower Upper
152 100
115 43.3 24.1 72.3
150 149.0 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: 97.335 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060487.D

Acq: 4 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

SA-06-120318

Tot Ion: 75 Resp: 43346

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#

