

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058293.D
 Acq On : 22 Jun 2018 13:12
 Operator : VA/AP
 Sample : VD0622SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBL01

Quant Time: Jun 22 14:58:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	931471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1200069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	984657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	526858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	526196	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
35) Dibromofluoromethane	5.55	113	543400	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
50) Toluene-d8	8.70	98	1274575	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
62) 4-Bromofluorobenzene	11.93	95	497010	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

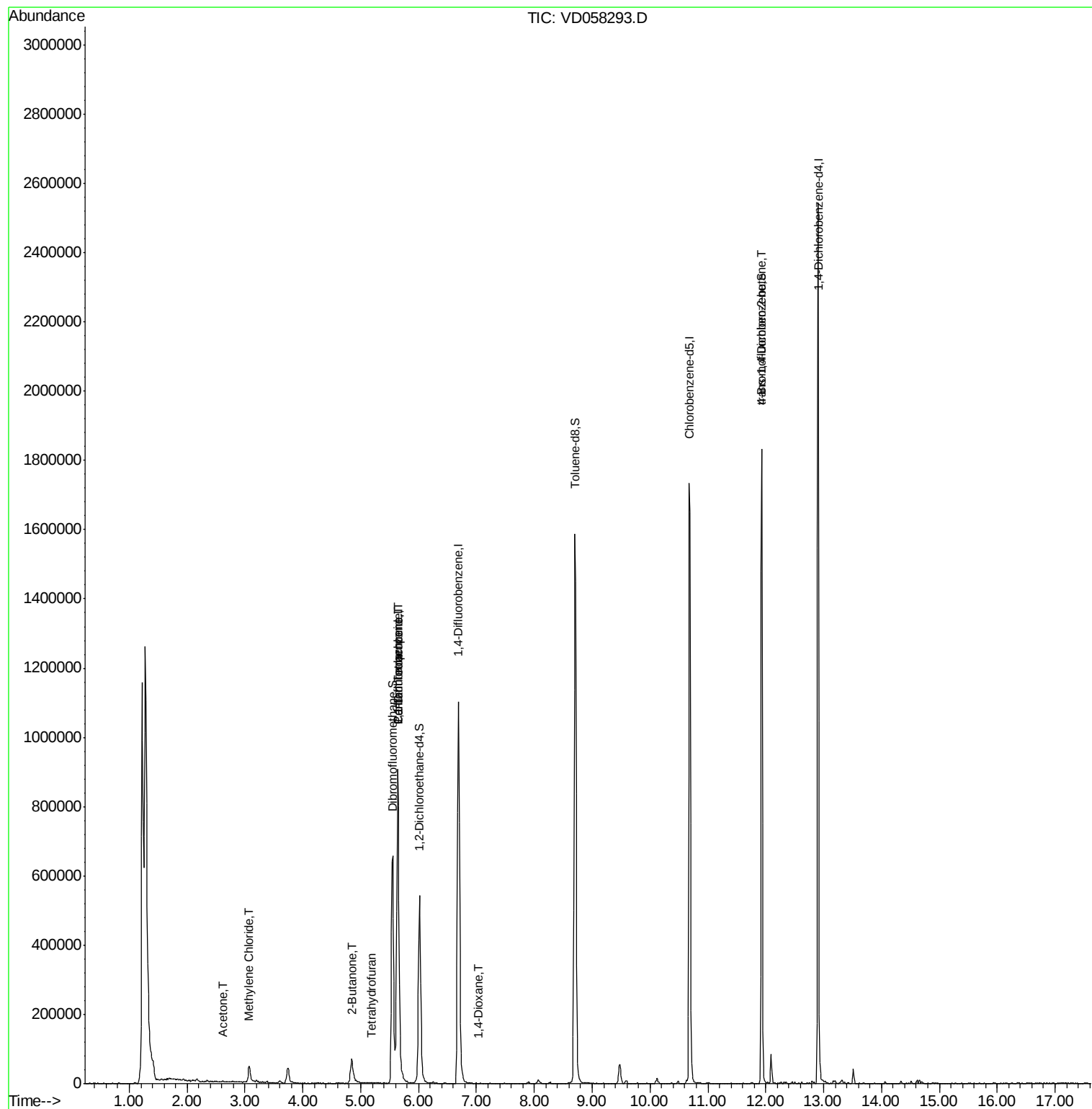
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	1031	Below Cal	#	43
3) Chloromethane	1.50	50	217	Below Cal	#	43
5) Bromomethane	1.78	94	425	Below Cal	#	3
16) Acetone	2.63	43	7962	6.19	ug/l	62
20) Methylene Chloride	3.07	84	22205	2.04	ug/l	92
25) 2-Butanone	4.83	43	5626	2.01	ug/l	60
29) Tetrahydrofuran	5.18	42	1870	1.25	ug/l	50
31) Cyclohexane	5.64	56	21581	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	81416	6.86	ug/l	49
38) Carbon Tetrachloride	5.64	117	79390	6.73	ug/l	14
49) 1,4-Dioxane	7.05	88	191	3.86	ug/l	26
81) trans-1,4-Dichloro-2-buten	11.93	75	250196	133.36	ug/l	1
82) 4-Chlorotoluene	12.32	91	1689	Below Cal		78

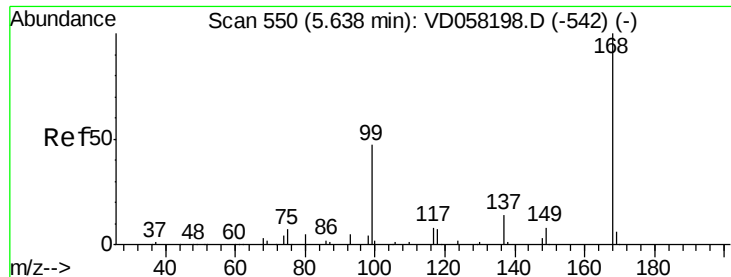
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

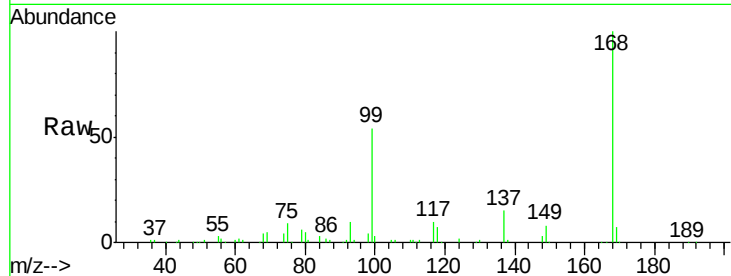
VD0622SBL01

Tot Ion:168 Resp: 931471

Ion Ratio Lower Upper

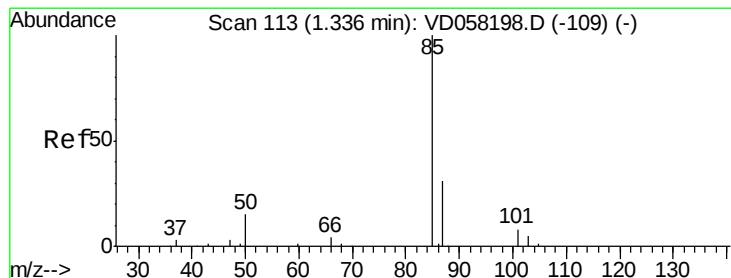
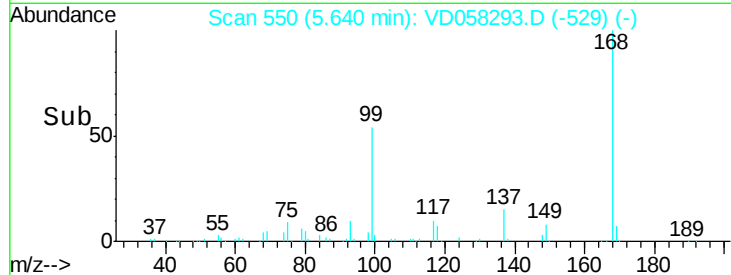
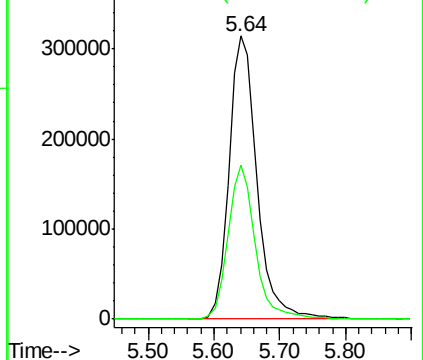
168 100

99 54.5 41.1 61.7



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: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058293.D

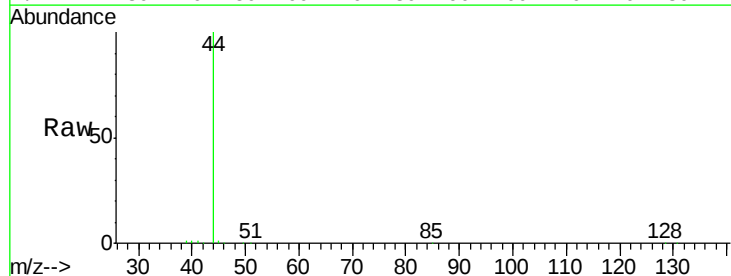
Acq: 22 Jun 2018 13:12

Tgt Ion: 85 Resp: 1031

Ion Ratio Lower Upper

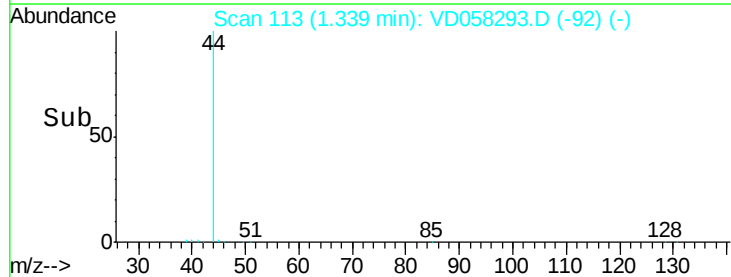
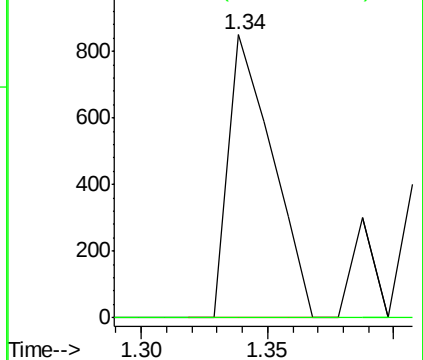
85 100

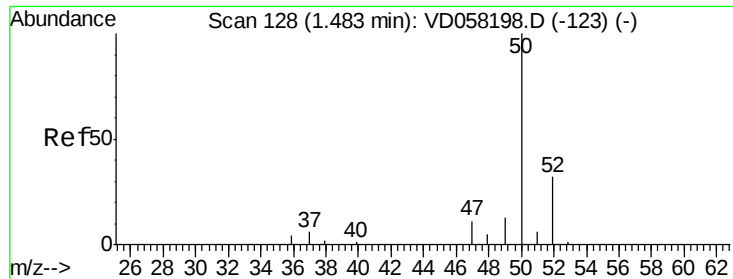
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.50 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

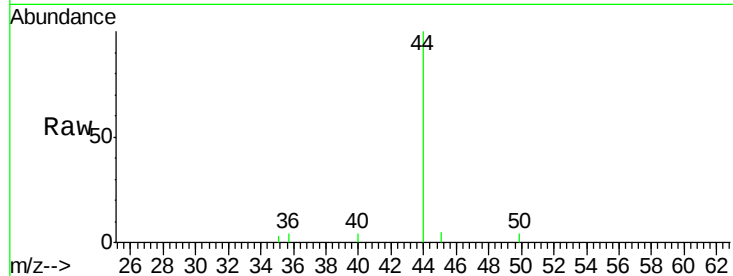
VD0622SBL01

Tot Ion: 50 Resp: 217

Ion Ratio Lower Upper

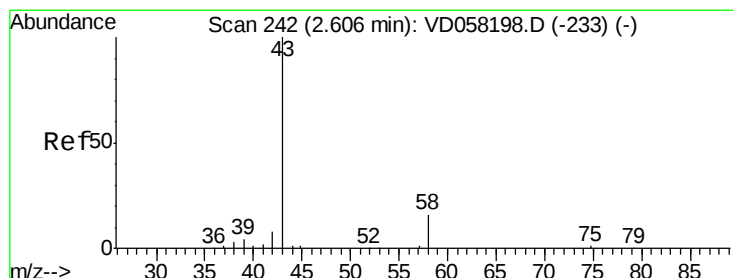
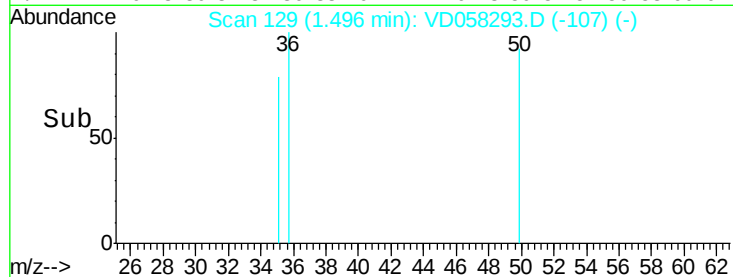
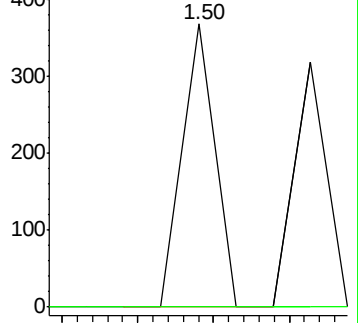
50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#16

Acetone

Concen: 6.19 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058293.D

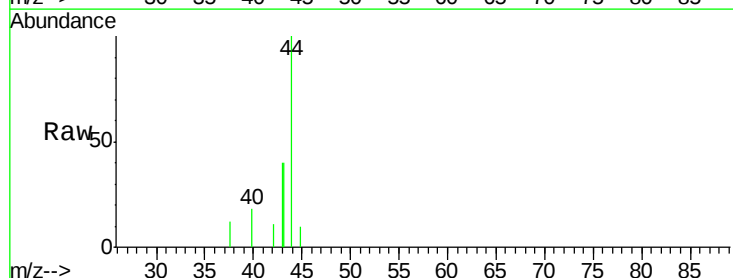
Acq: 22 Jun 2018 13:12

Tgt Ion: 43 Resp: 7962

Ion Ratio Lower Upper

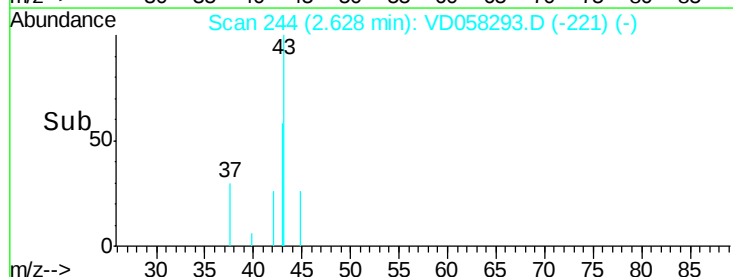
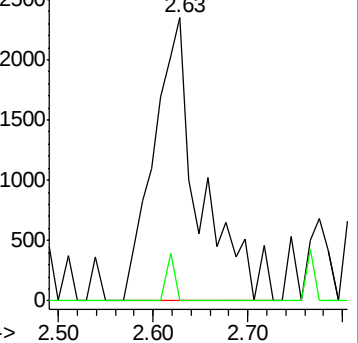
43 100

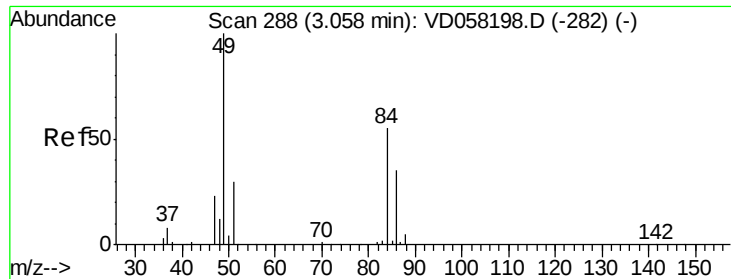
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

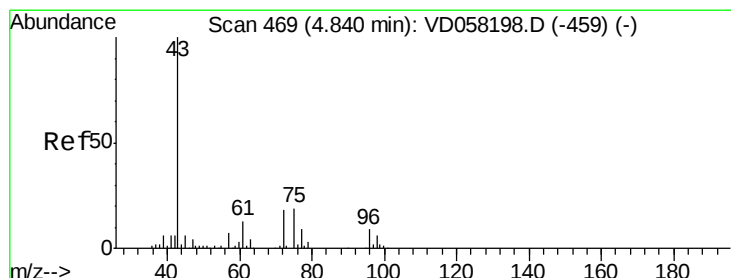
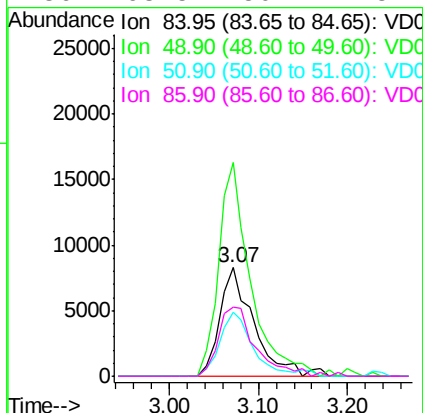
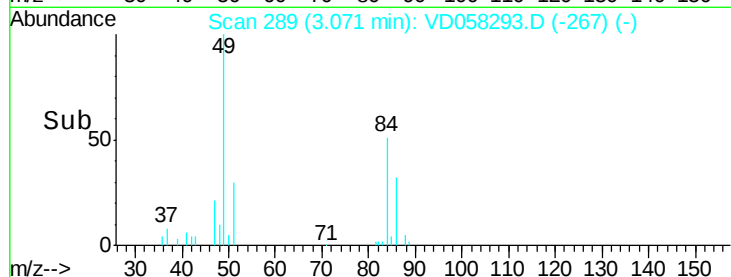
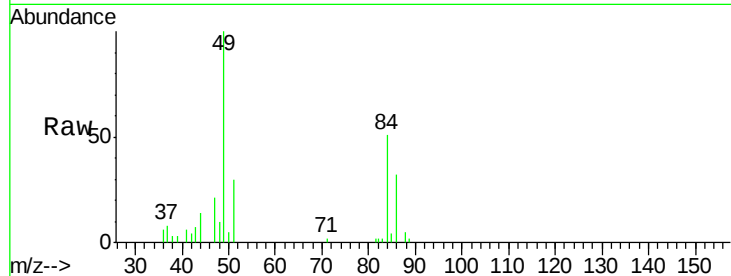




#20
Methvlene Chloride
Concen: 2.04 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058293.D
Acq: 22 Jun 2018 13:12

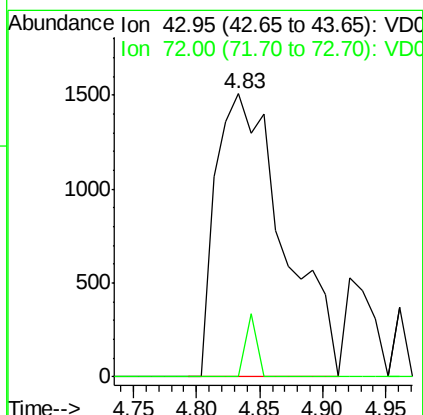
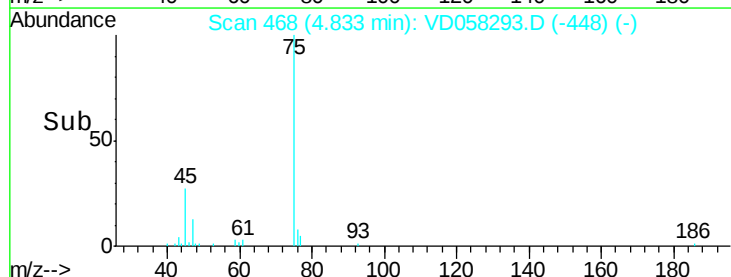
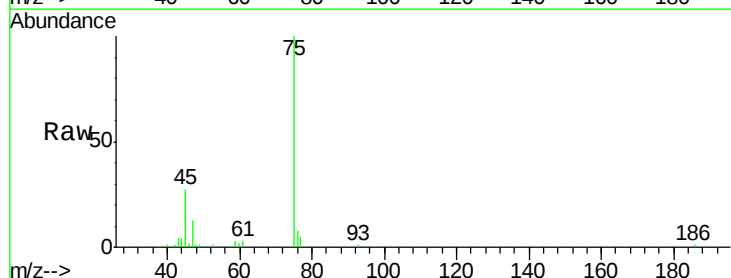
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBL01

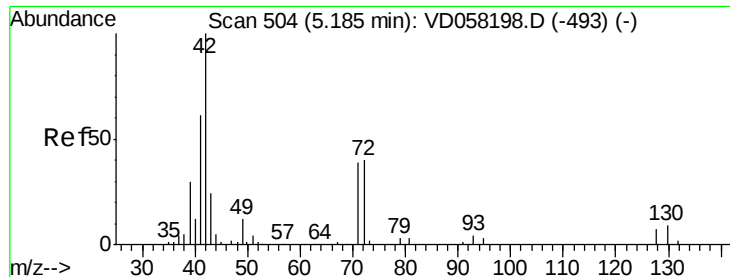
Tot Ion:	84	Resp:	22205
Ion	Ratio	Lower	Upper
84	100		
49	196.6	145.0	217.6
51	59.3	42.9	64.3
86	63.5	50.1	75.1



#25
2-Butanone
Concen: 2.01 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058293.D
Acq: 22 Jun 2018 13:12

Tgt Ion:	43	Resp:	5626
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.1	21.1#





#29

Tetrahydrofuran

Concen: 1.25 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBL01

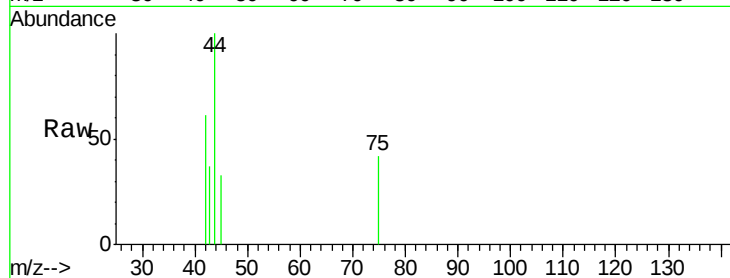
Tot Ion: 42 Resp: 1870

Ion Ratio Lower Upper

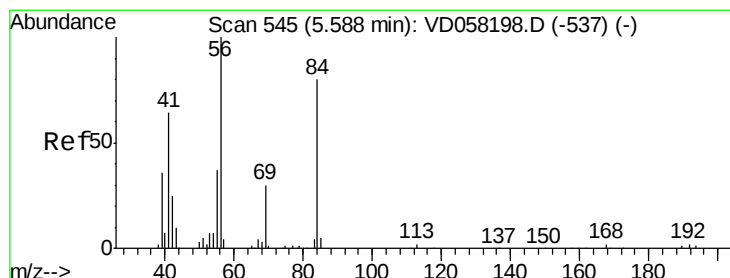
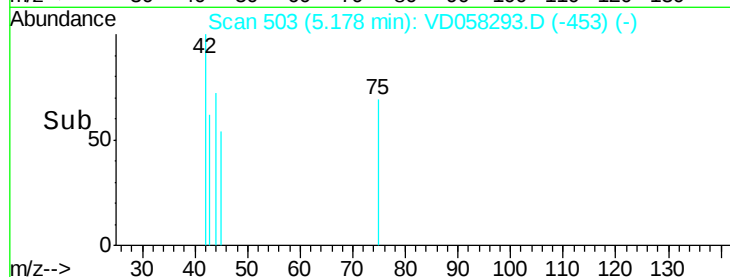
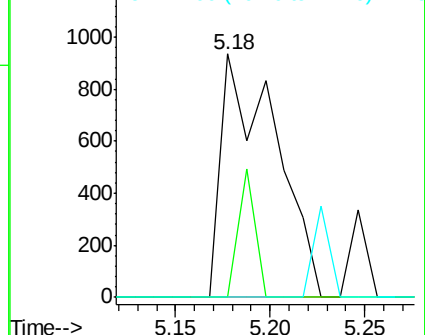
42 100

72 15.6 30.2 45.2#

71 0.0 30.1 45.1#



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



#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.05 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

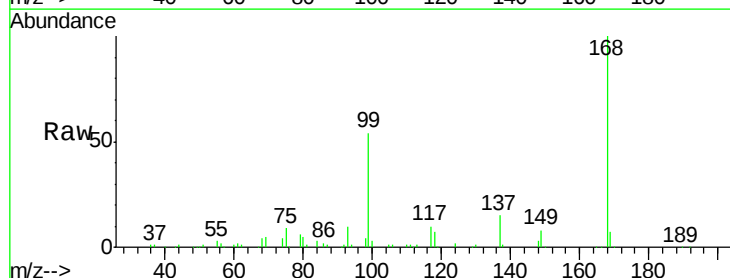
Tgt Ion: 56 Resp: 21581

Ion Ratio Lower Upper

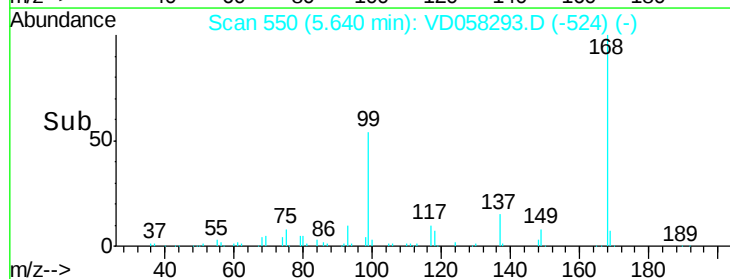
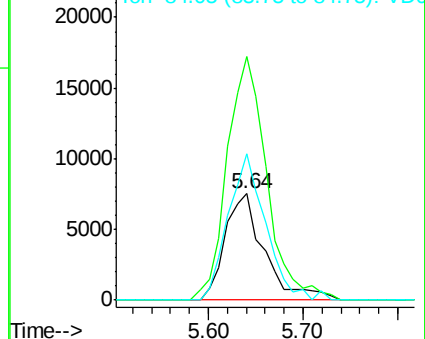
56 100

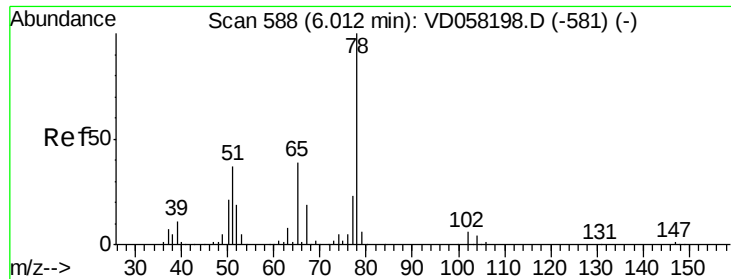
69 228.8 23.6 35.4#

84 137.6 65.2 97.8#



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

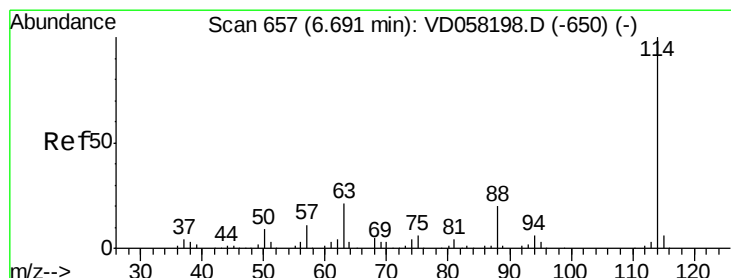
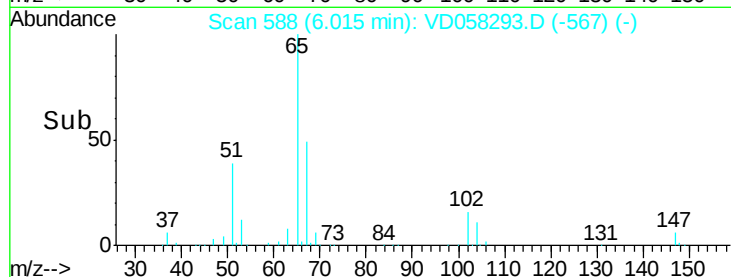
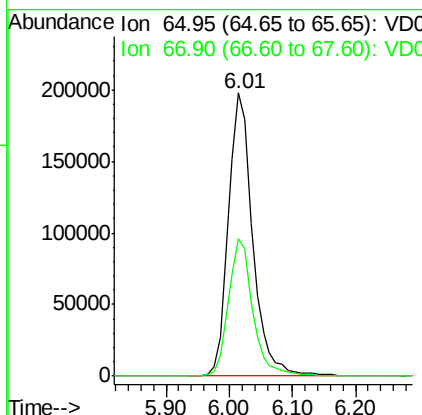
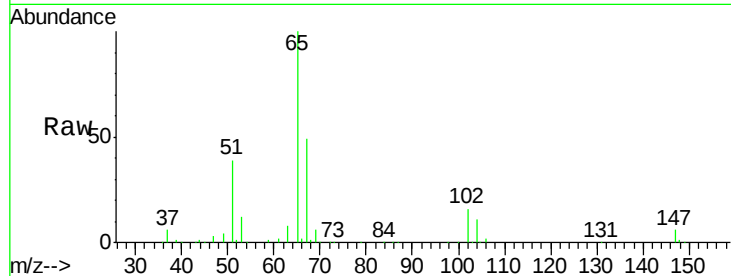




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058293.D
 Acq: 22 Jun 2018 13:12

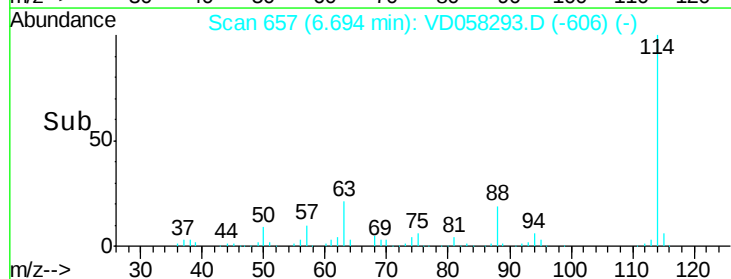
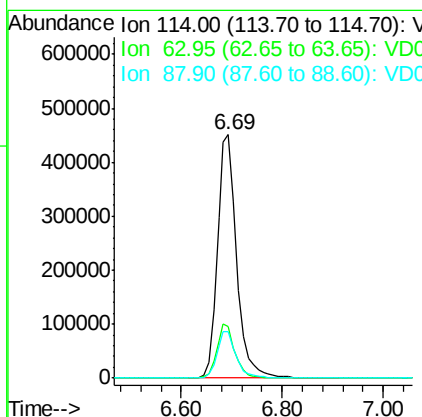
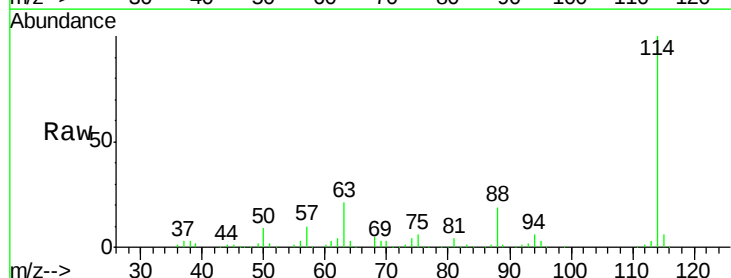
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBL01

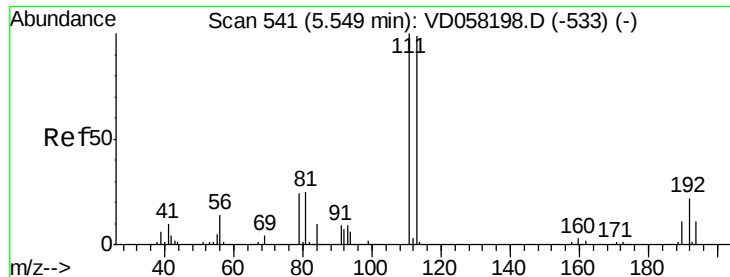
Tot Ion: 65 Resp: 526196
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058293.D
 Acq: 22 Jun 2018 13:12

Tgt Ion: 114 Resp: 1200069
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 18.9 0.0 40.6

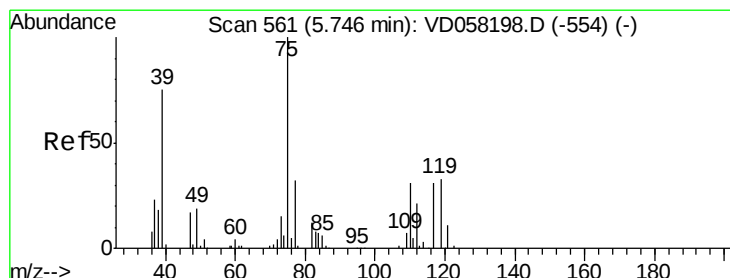
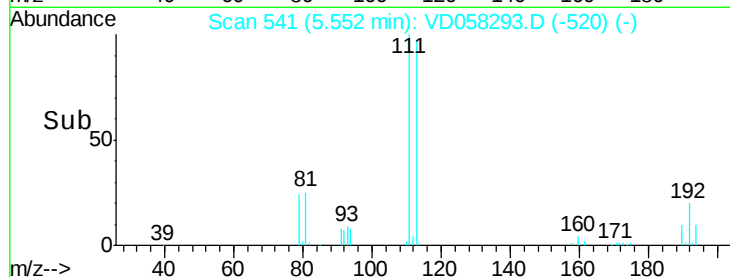
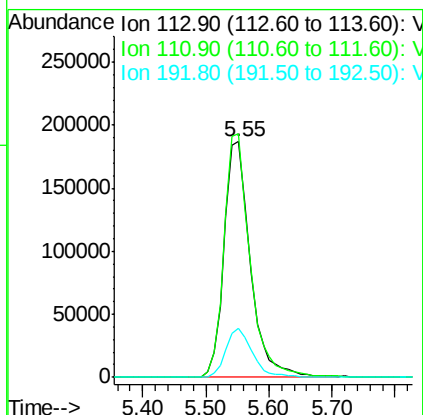
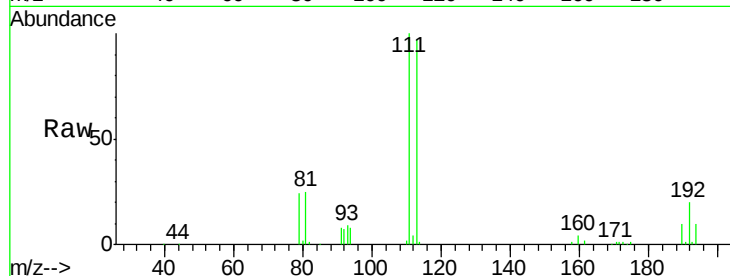




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD058293.D
 Acq: 22 Jun 2018 13:12

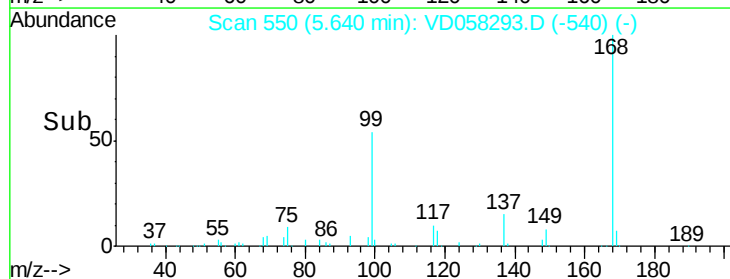
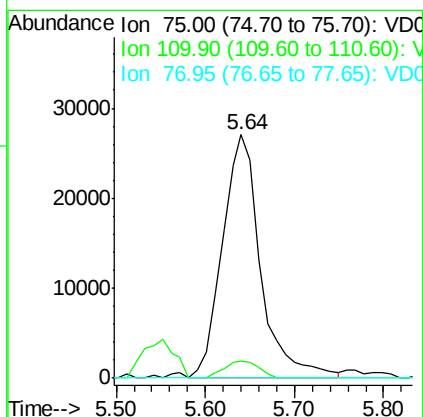
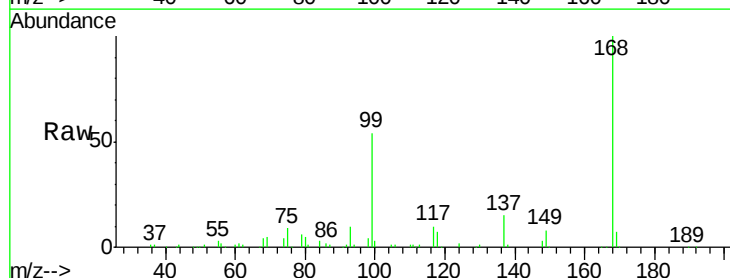
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBL01

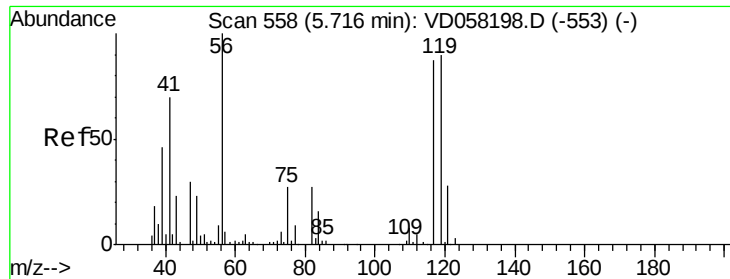
Tot Ion:113 Resp: 543400
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.6 121.0
 192 20.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 6.86 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD058293.D
 Acq: 22 Jun 2018 13:12

Tgt Ion: 75 Resp: 81416
 Ion Ratio Lower Upper
 75 100
 110 6.9 15.4 46.4#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 6.73 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBL01

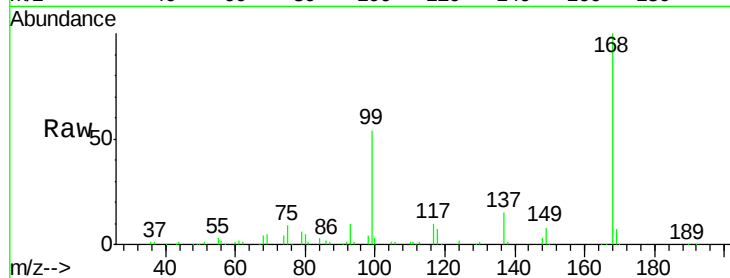
Tot Ion:117 Resp: 79390

Ion Ratio Lower Upper

117 100

119 4.0 78.8 118.2#

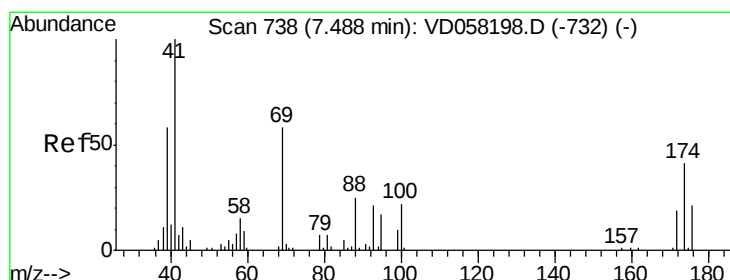
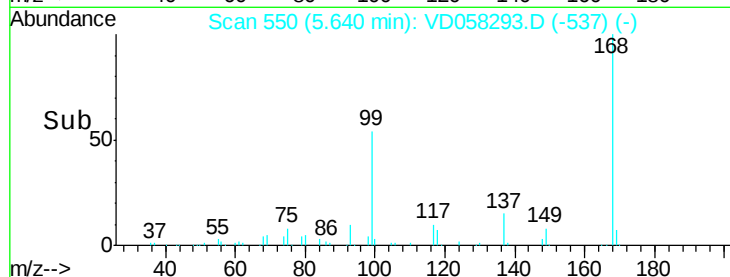
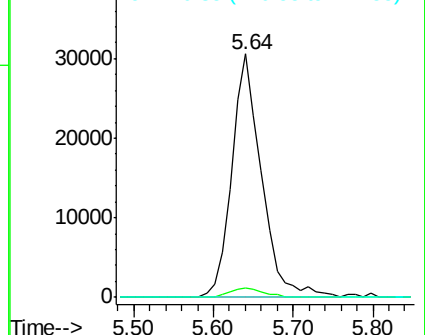
121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 3.86 ug/l

RT: 7.05 min Scan# 693

Delta R.T. -0.44 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

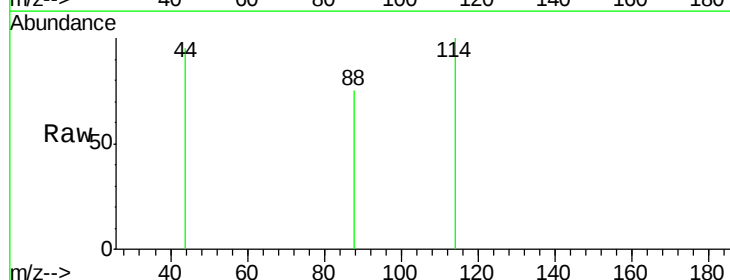
Tgt Ion: 88 Resp: 191

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.2#

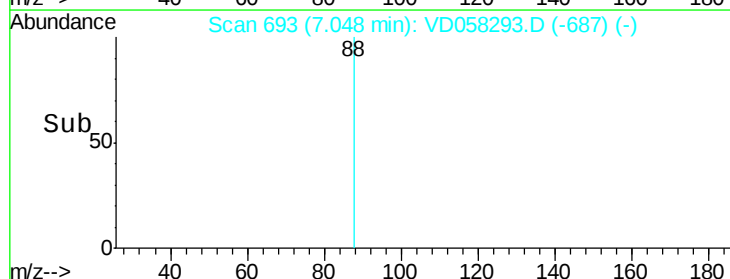
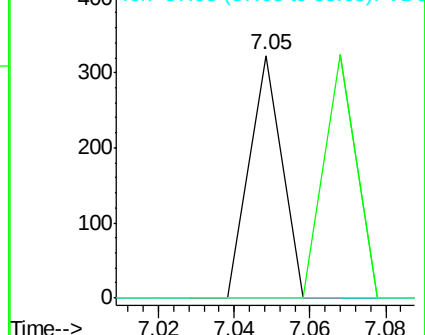
58 0.0 47.9 71.9#

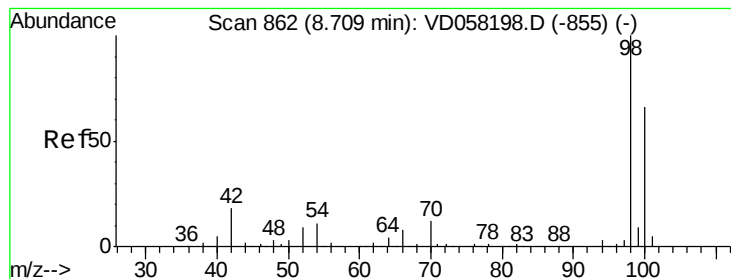


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 3.86 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

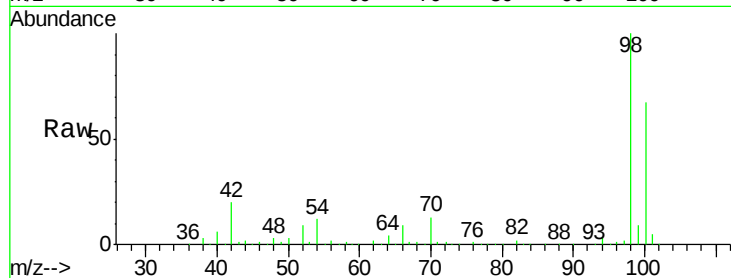
VD0622SBL01

Tot Ion: 98 Resp: 1274575

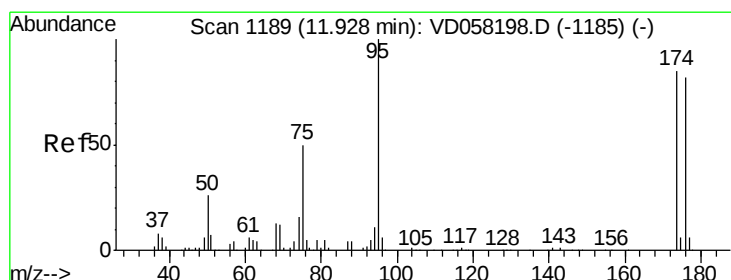
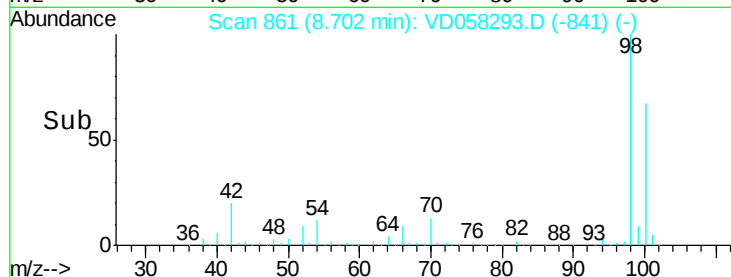
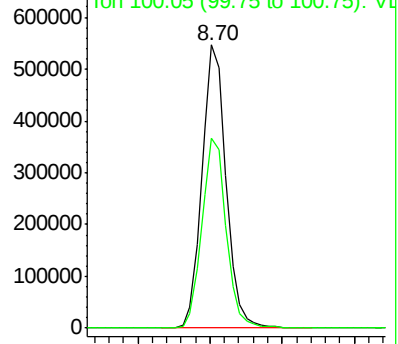
Ion Ratio Lower Upper

98 100

100 67.3 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

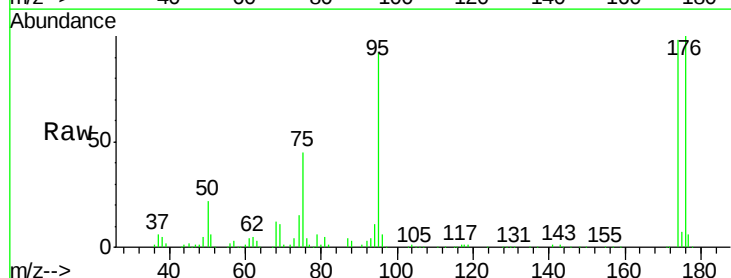
Tgt Ion: 95 Resp: 497010

Ion Ratio Lower Upper

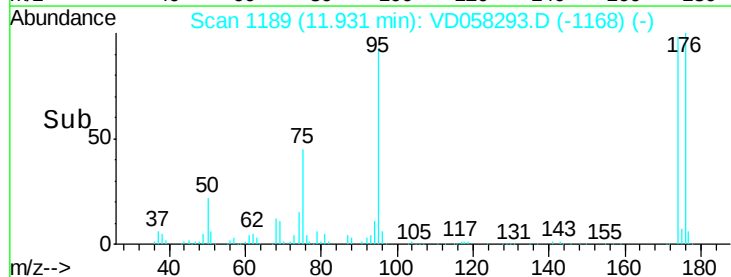
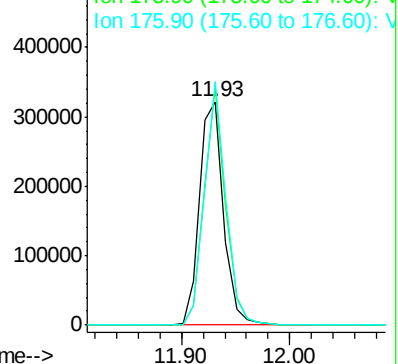
95 100

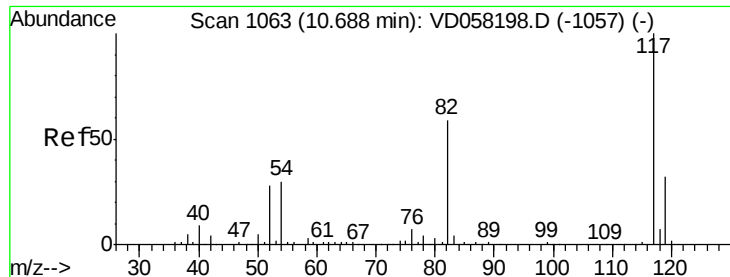
174 106.5 0.0 170.2

176 109.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBL01

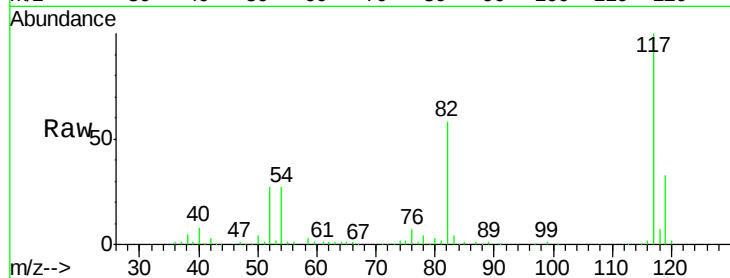
Tot Ion:117 Resp: 984657

Ion Ratio Lower Upper

117 100

82 58.0 47.0 70.6

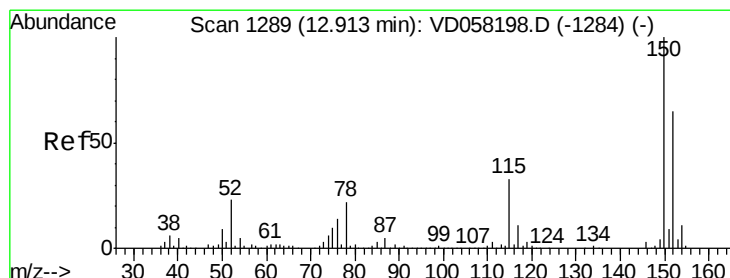
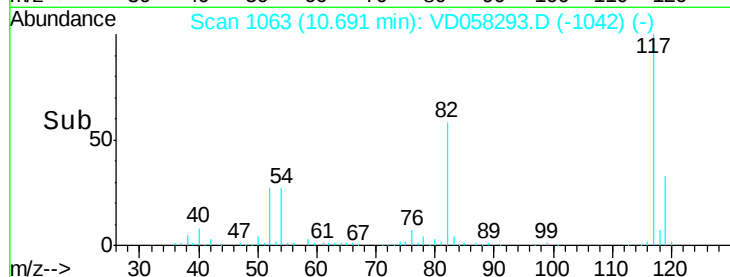
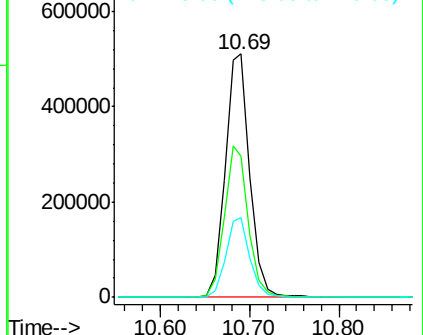
119 32.6 25.3 37.9



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: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

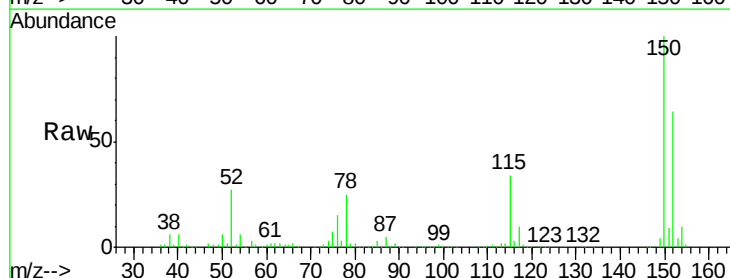
Tgt Ion:152 Resp: 526858

Ion Ratio Lower Upper

152 100

115 52.9 25.1 75.3

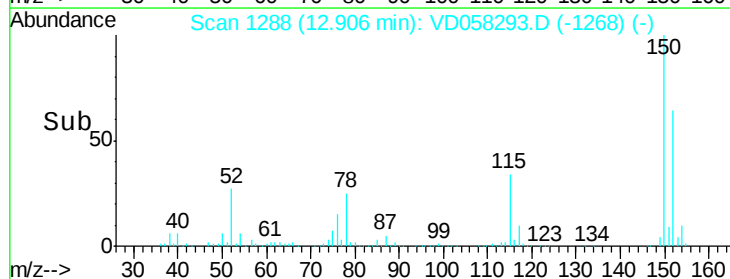
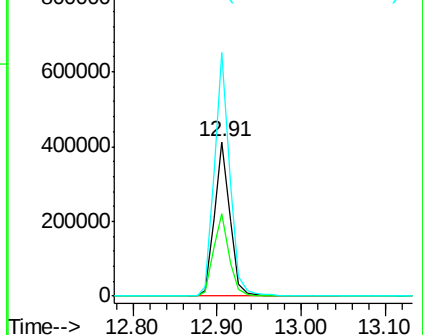
150 157.4 0.0 308.8

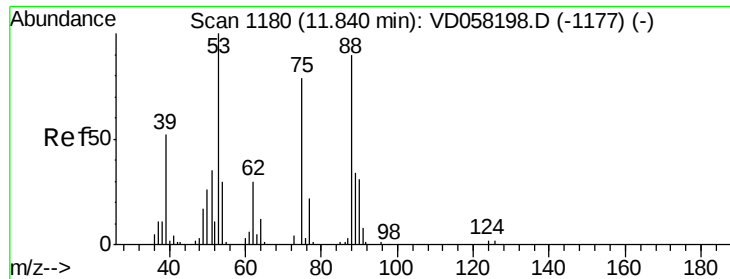


Abundance Ion 151.90 (151.60 to 152.60): V

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: 133.36 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058293.D

Acq: 22 Jun 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBL01

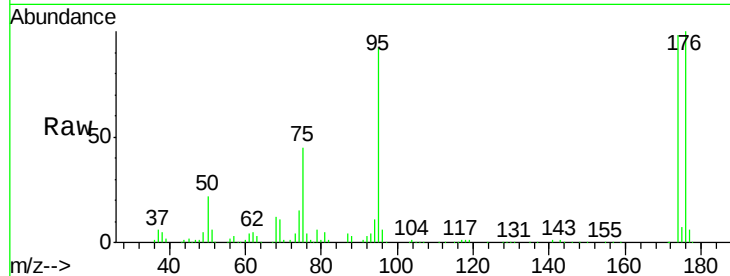
Tot Ion: 75 Resp: 250196

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

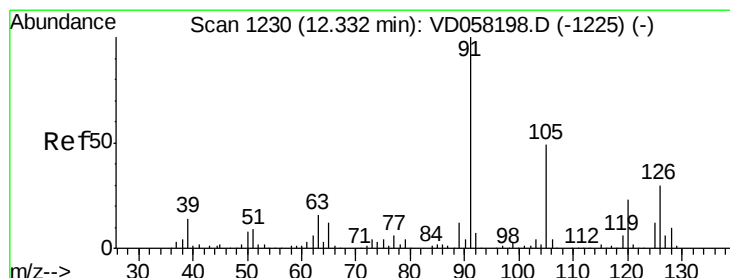
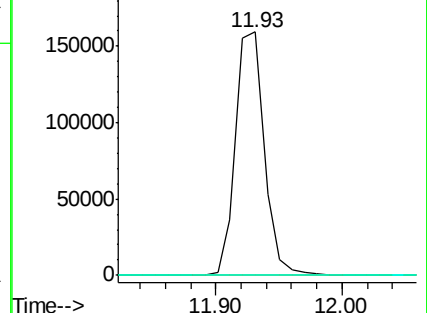
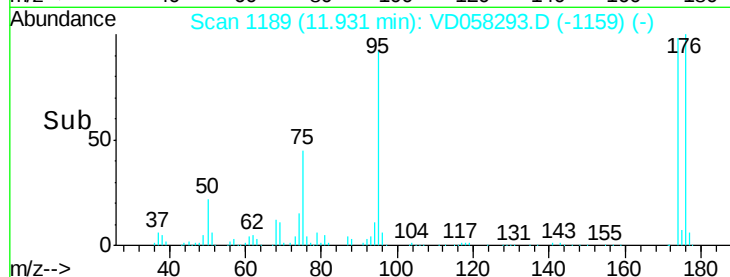
89 0.0 34.6 52.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058293.D

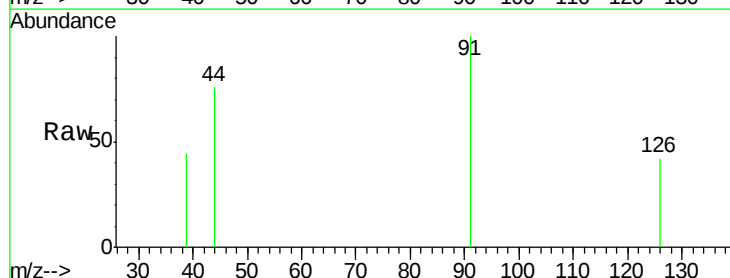
Acq: 22 Jun 2018 13:12

Tgt Ion: 91 Resp: 1689

Ion Ratio Lower Upper

91 100

126 41.6 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

