

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061869.D
 Acq On : 18 Apr 2019 12:49
 Operator : VA/AP
 Sample : K2397-02
 Misc : 2.96g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

Quant Time: Apr 18 13:13:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	381069	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.23	114	561019	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	356484	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	96432	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	187209	58.62	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	117.24%	
35) Dibromofluoromethane	6.93	113	285263	67.30	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	134.60%	
50) Toluene-d8	10.41	98	517217	51.50	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	13.55	95	125208	30.76	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	61.52%	

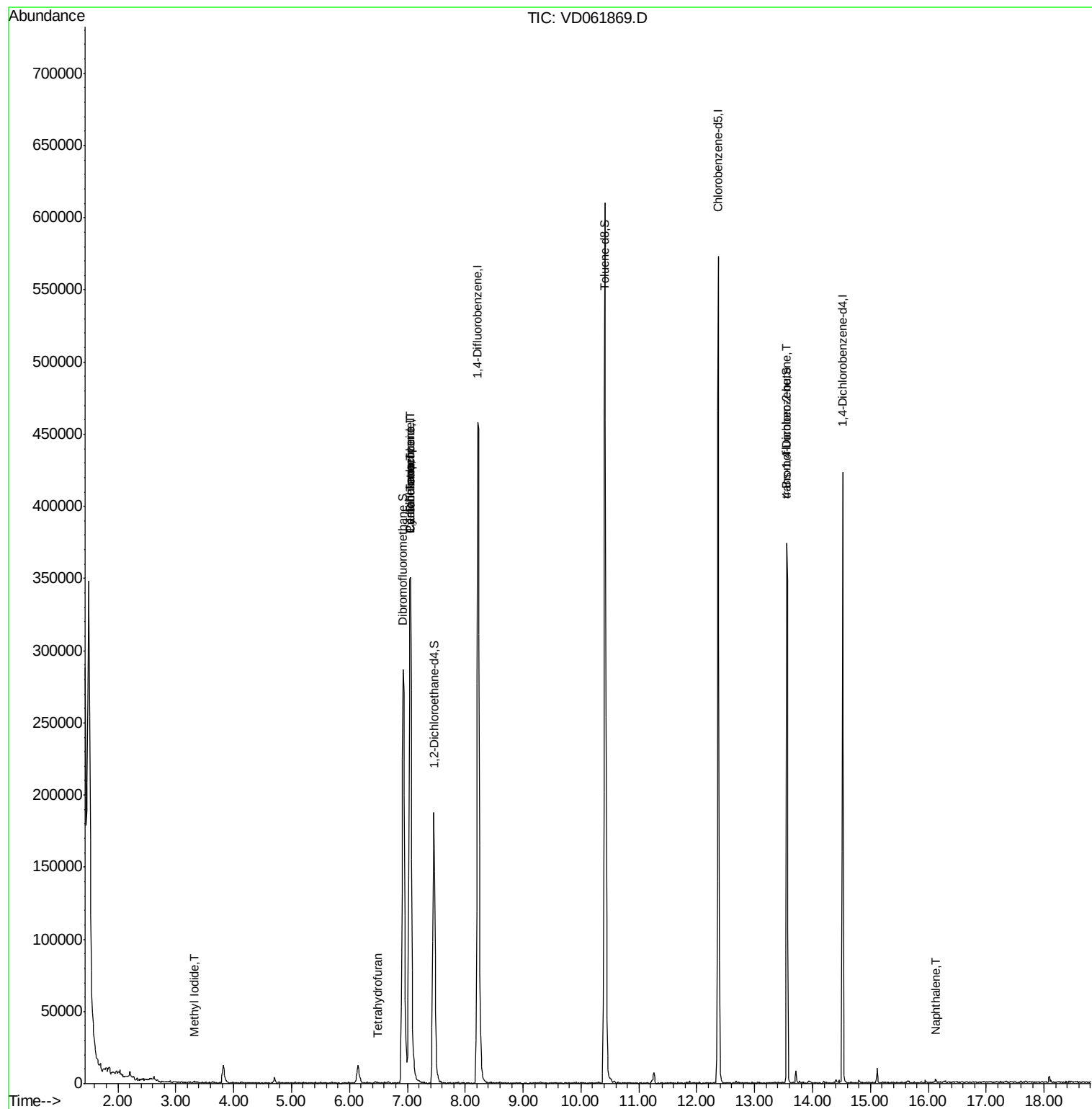
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	1110	Below Cal	#	12
10) Methyl Iodide	3.31	142	957	3.646	ug/l #	37
20) Methylene Chloride	3.82	84	9228	Below Cal		86
29) Tetrahydrofuran	6.47	42	1182	2.708	ug/l #	30
31) Cyclohexane	7.06	56	6512	1.346	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	26740	5.833	ug/l #	48
38) Carbon Tetrachloride	7.05	117	35707	6.168	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	48474	113.569	ug/l #	16
95) Naphthalene	16.12	128	2447	1.119	ug/l #	70

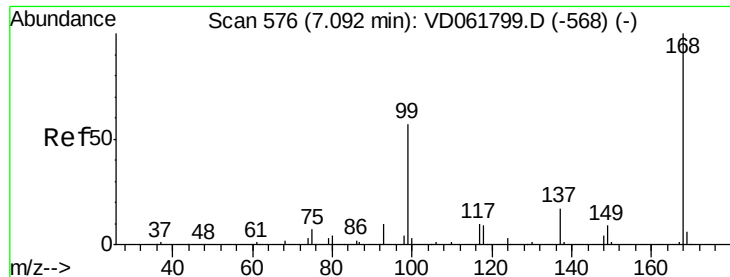
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061869.D

Acq: 18 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

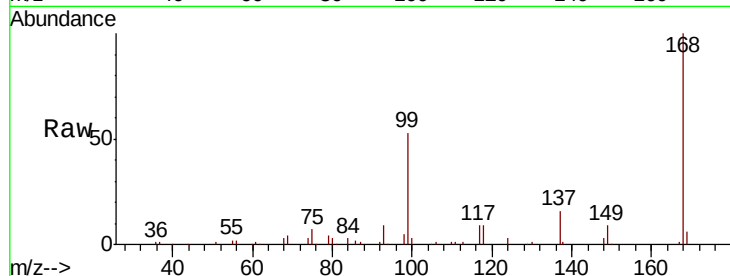
TP-1-S2

Tgt Ion:168 Resp: 381069

Ion Ratio Lower Upper

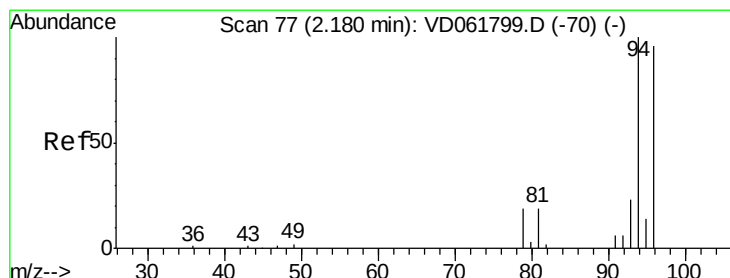
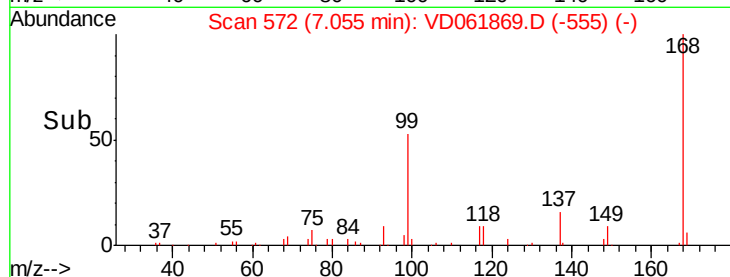
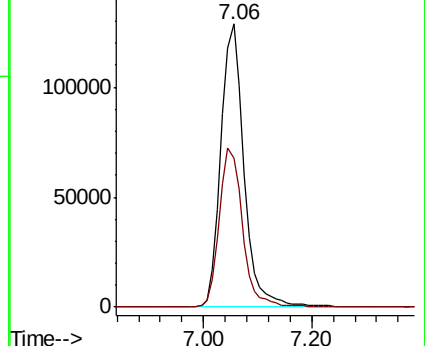
168 100

99 52.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 74

Delta R.T. -0.03 min

Lab File: VD061869.D

Acq: 18 Apr 2019 12:49

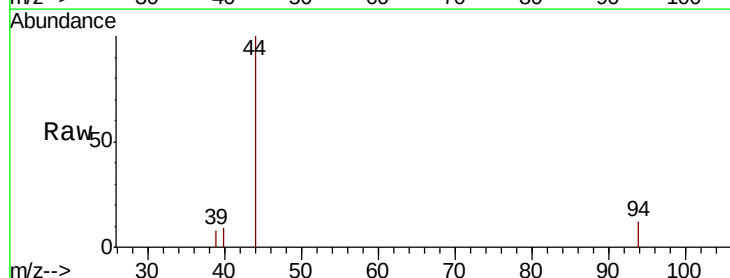
Tgt Ion: 94 Resp: 1110

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

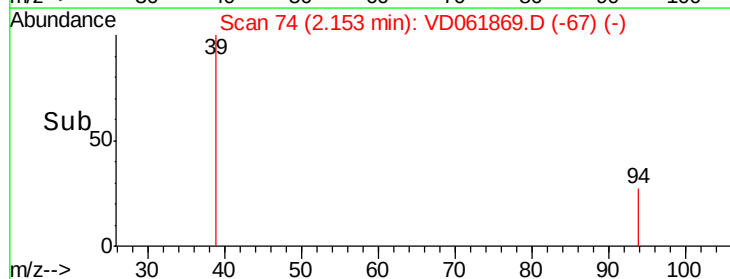
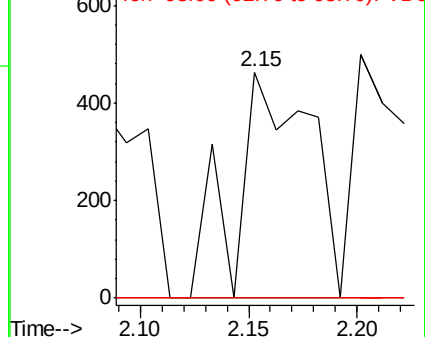
93 0.0 18.5 27.7#

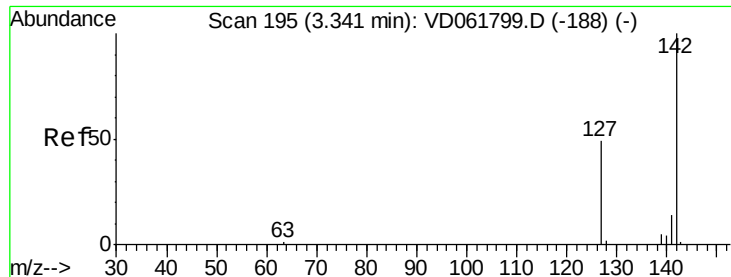


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

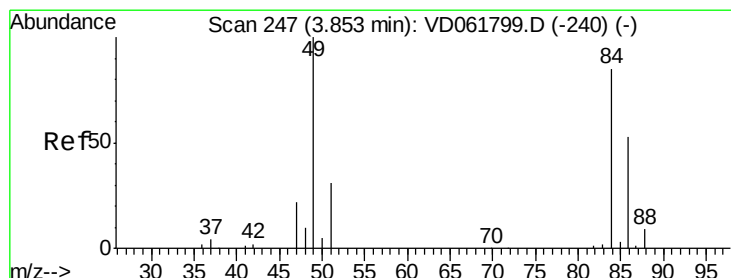
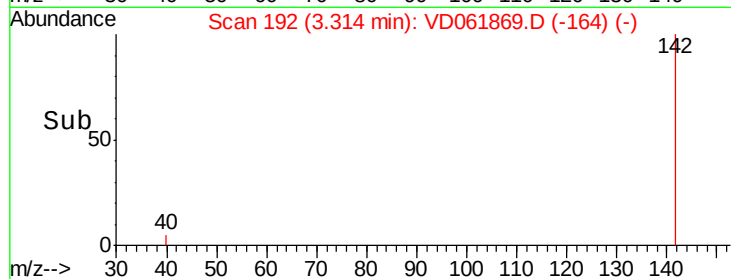
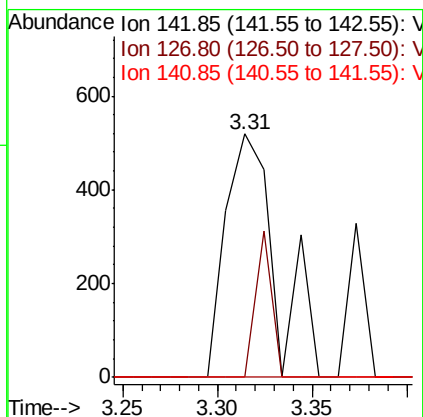
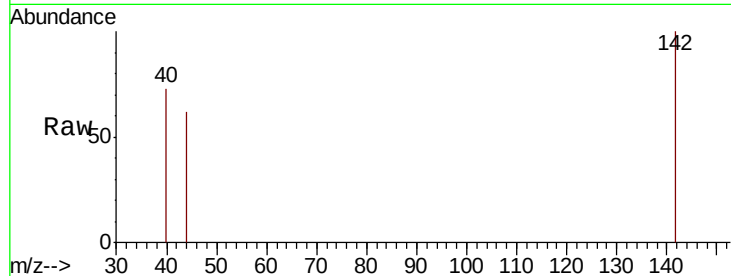




#10
Methyl Iodide
Concen: 3.646 ug/l
RT: 3.31 min Scan# 192
Delta R.T. -0.03 min
Lab File: VD061869.D
Acq: 18 Apr 2019 12:49

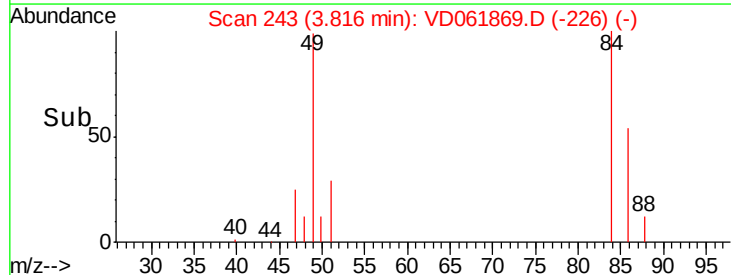
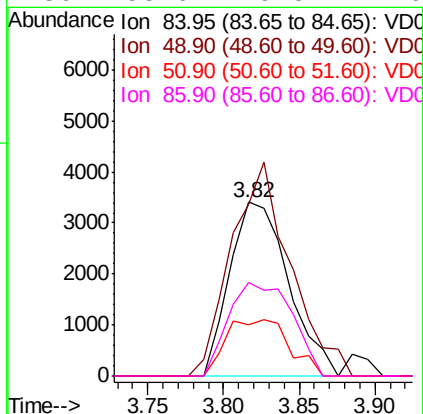
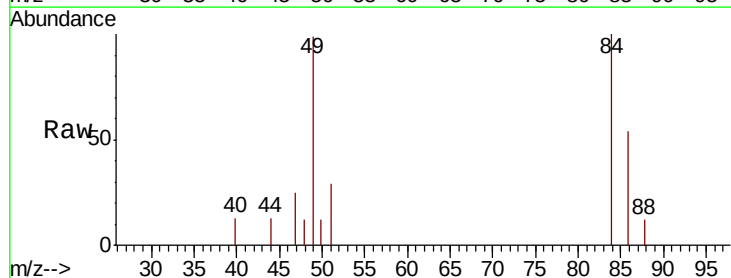
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

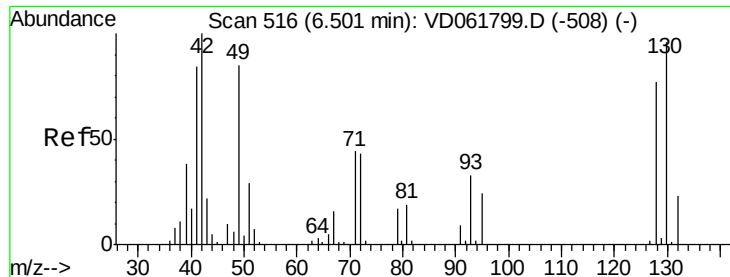
Tgt Ion: 142 Resp: 957
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 243
Delta R.T. -0.04 min
Lab File: VD061869.D
Acq: 18 Apr 2019 12:49

Tgt Ion: 84 Resp: 9228
Ion Ratio Lower Upper
84 100
49 98.9 94.0 141.0
51 29.2 29.0 43.4
86 53.6 49.8 74.6





#29

Tetrahydrofuran

Concen: 2.708 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.03 min

Lab File: VD061869.D

Acq: 18 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

TP-1-S2

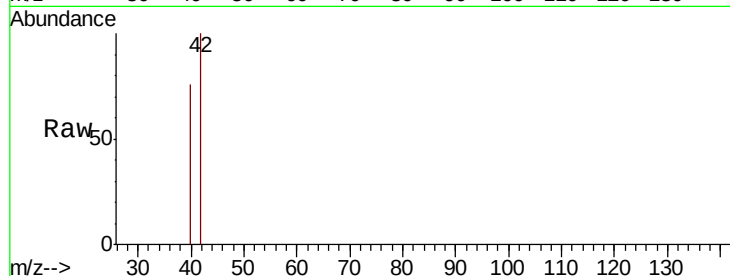
Tgt Ion: 42 Resp: 1182

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 0.0 36.7 55.1#



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

6.47

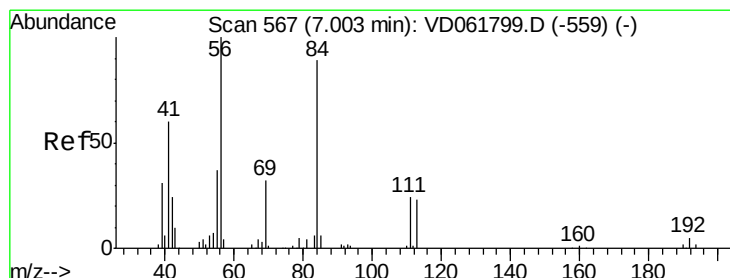
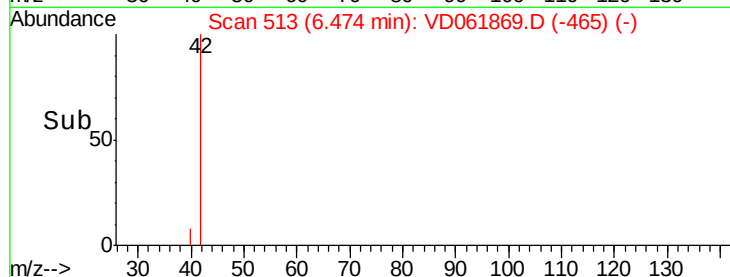
400

200

0

6.40 6.45 6.50

Time-->



#31

Cyclohexane

Concen: 1.346 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.05 min

Lab File: VD061869.D

Acq: 18 Apr 2019 12:49

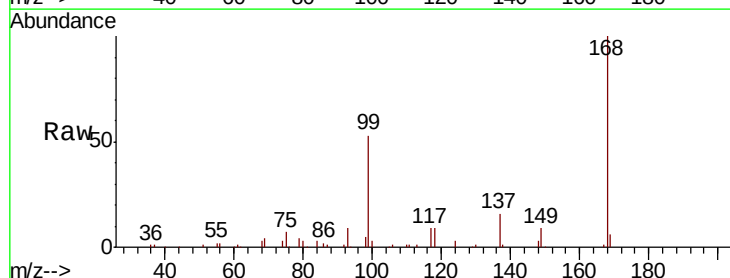
Tgt Ion: 56 Resp: 6512

Ion Ratio Lower Upper

56 100

69 245.4 25.8 38.6#

84 176.9 72.2 108.4#



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

7.06

6000

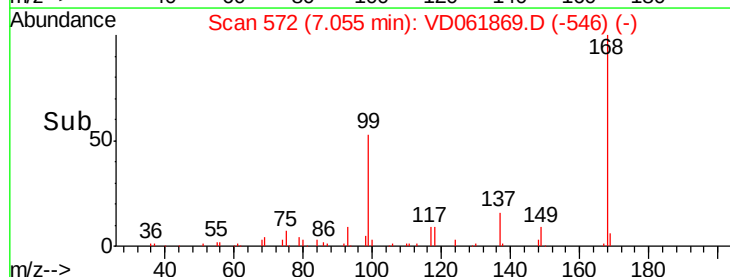
4000

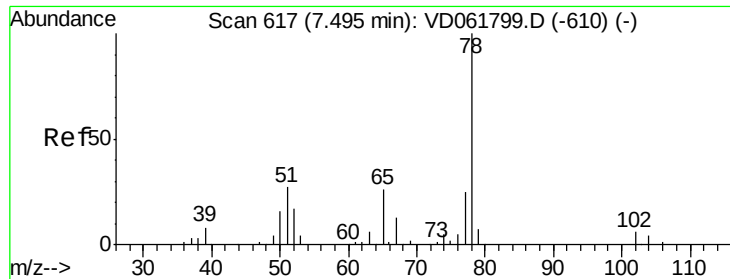
2000

0

6.95 7.00 7.05 7.10 7.15

Time-->

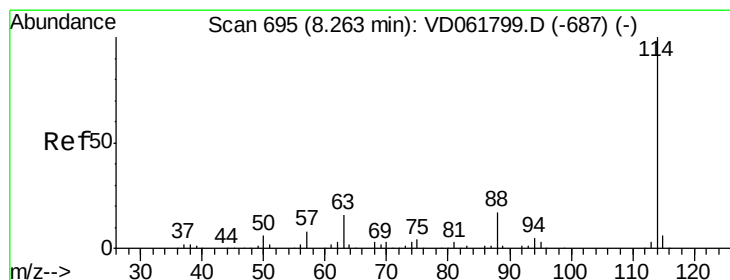
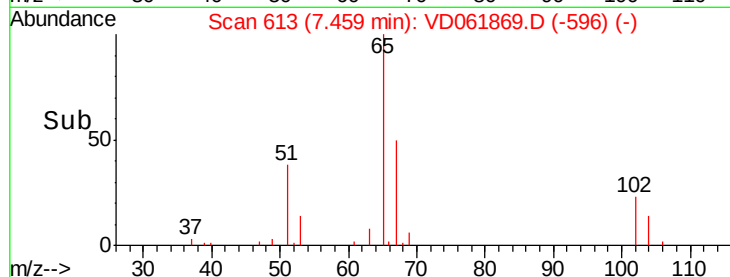
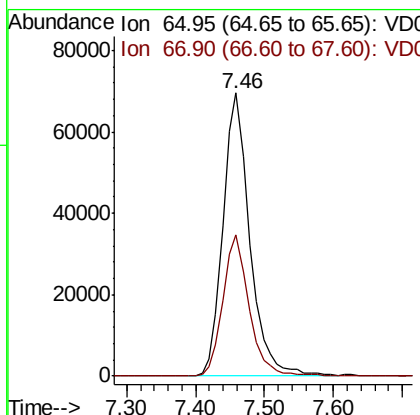
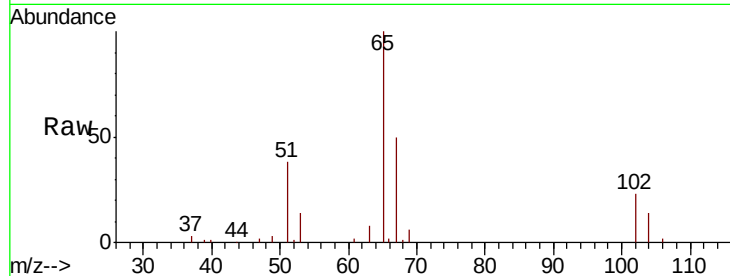




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061869.D
 Acq: 18 Apr 2019 12:49

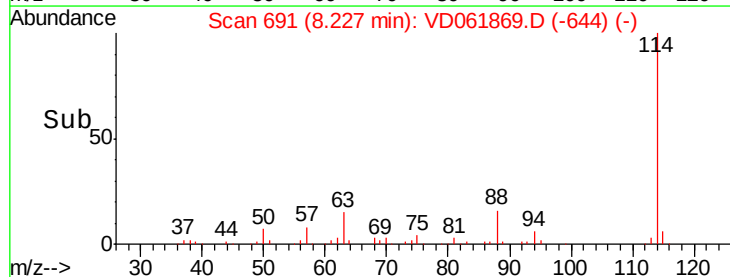
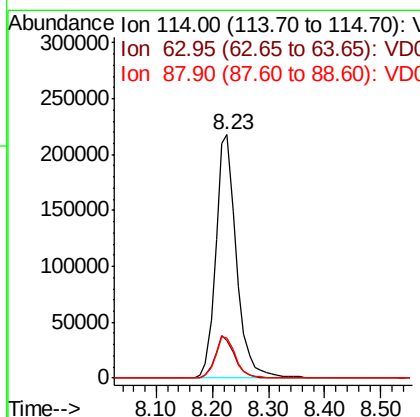
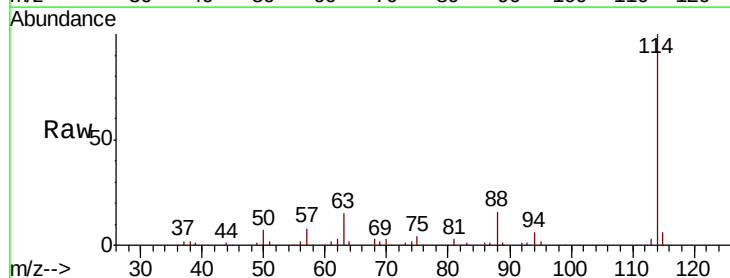
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

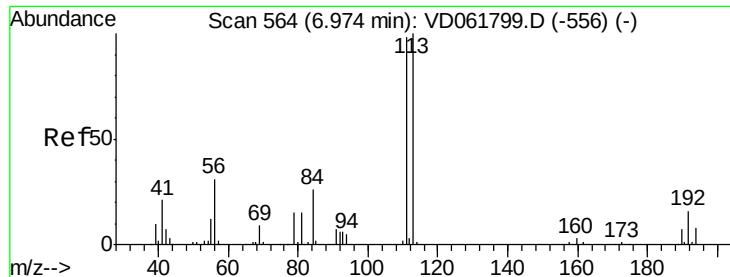
Tgt Ion: 65 Resp: 187209
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061869.D
 Acq: 18 Apr 2019 12:49

Tgt Ion: 114 Resp: 561019
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 32.4
 88 16.4 0.0 33.6

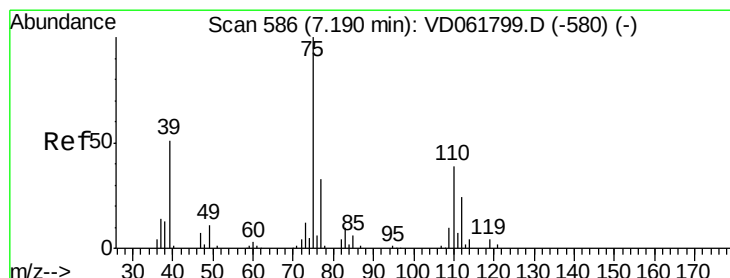
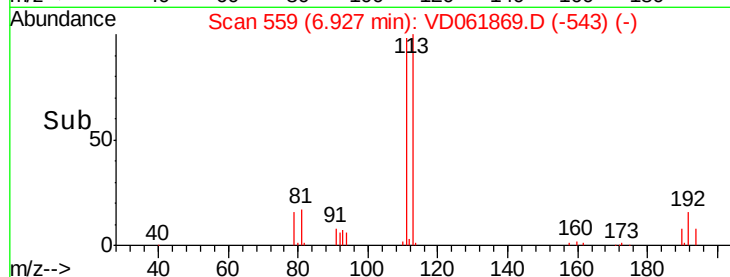
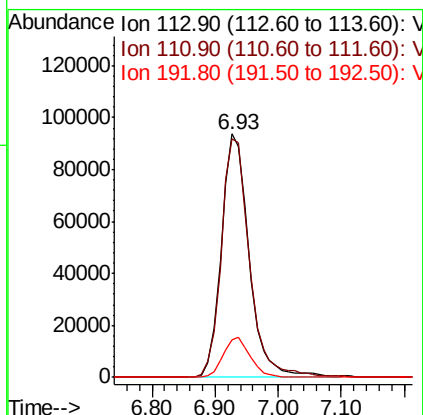
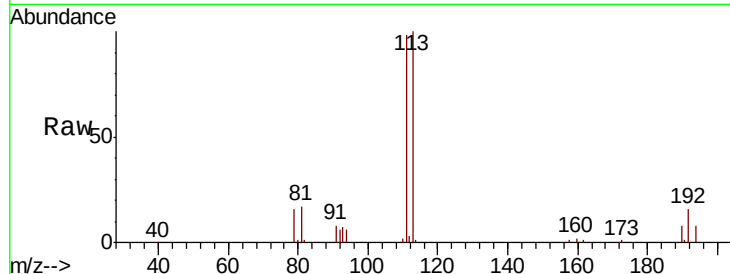




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.05 min
 Lab File: VD061869.D
 Acq: 18 Apr 2019 12:49

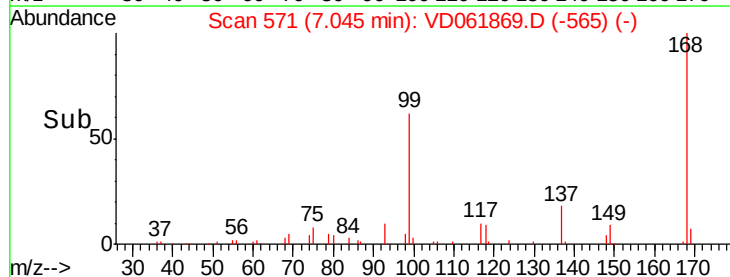
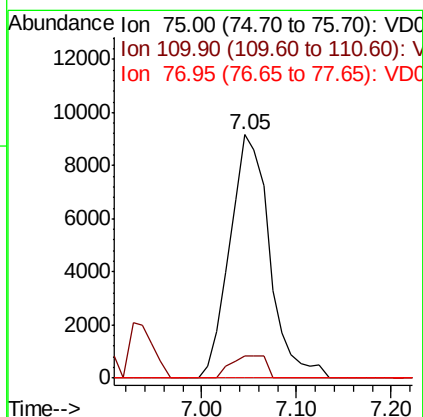
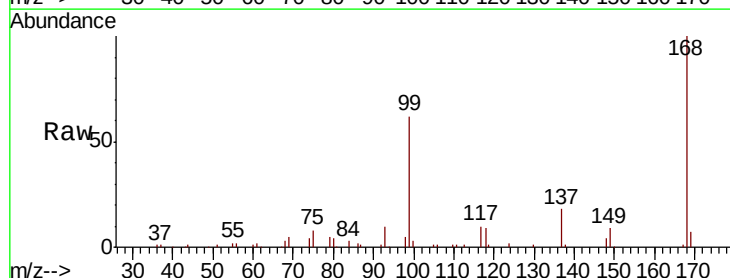
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

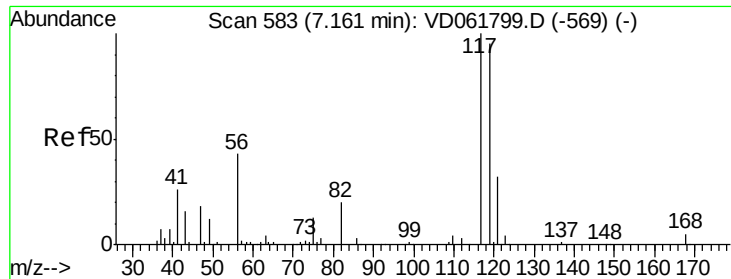
Tgt Ion: 113 Resp: 285263
 Ion Ratio Lower Upper
 113 100
 111 98.1 78.5 117.7
 192 15.6 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 5.833 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.14 min
 Lab File: VD061869.D
 Acq: 18 Apr 2019 12:49

Tgt Ion: 75 Resp: 26740
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.168 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD061869.D

Acq: 18 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

TP-1-S2

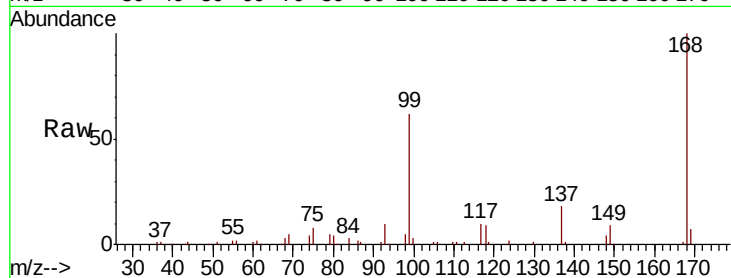
Tgt Ion:117 Resp: 35707

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

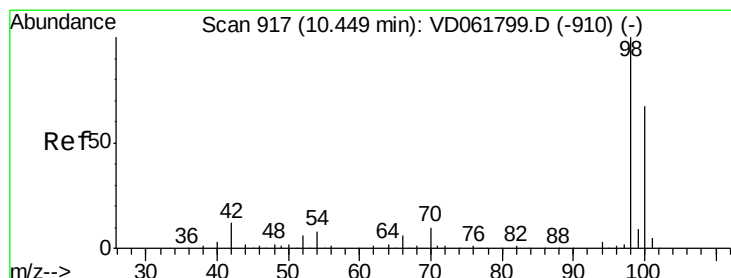
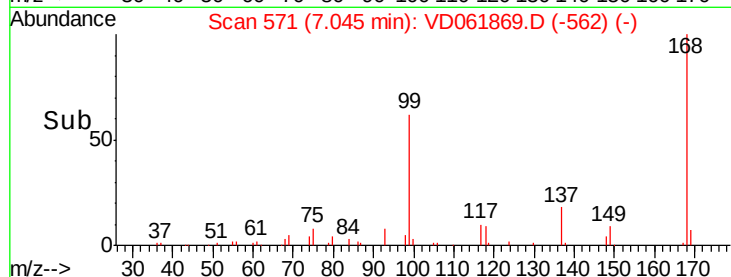
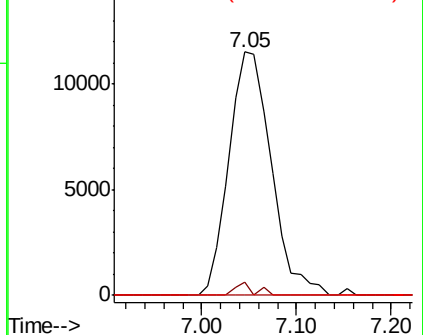
121 0.0 25.9 38.9#



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: 10.41 min Scan# 913

Delta R.T. -0.04 min

Lab File: VD061869.D

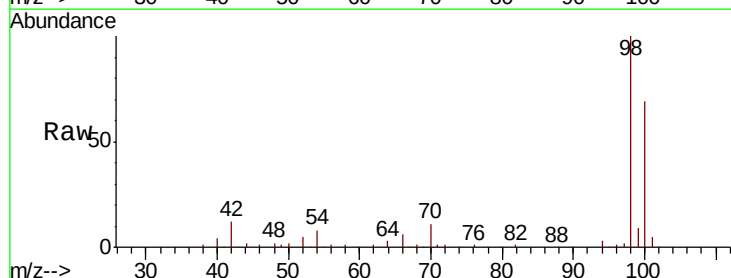
Acq: 18 Apr 2019 12:49

Tgt Ion: 98 Resp: 517217

Ion Ratio Lower Upper

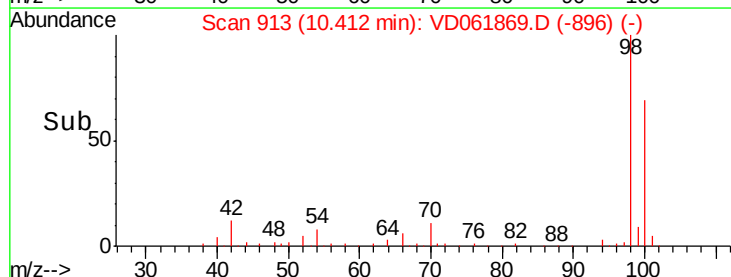
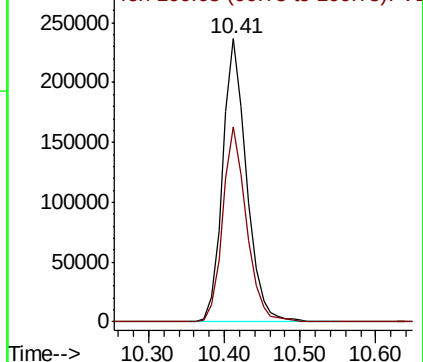
98 100

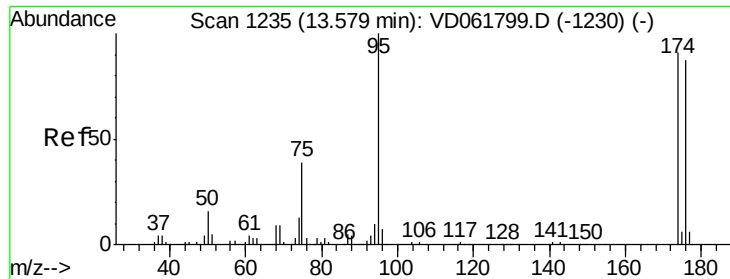
100 69.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

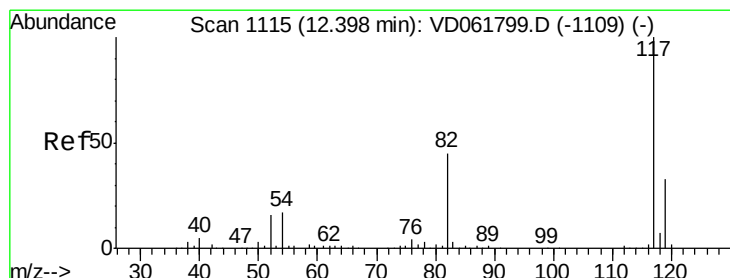
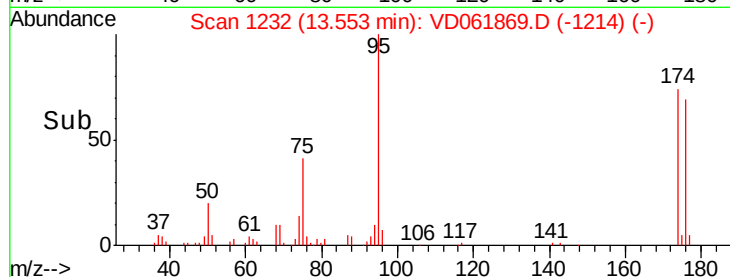
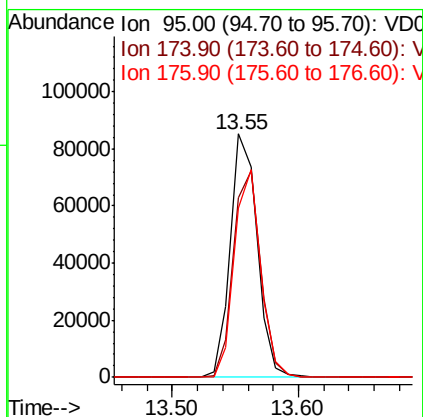
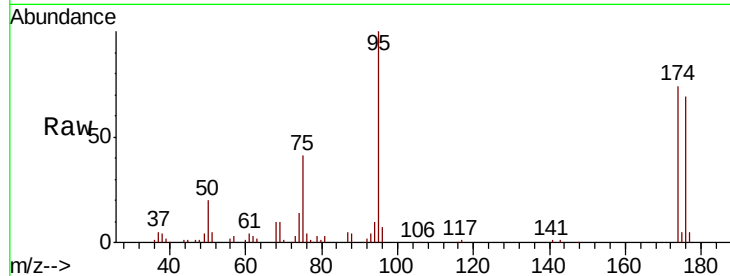




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD061869.D
Acq: 18 Apr 2019 12:49

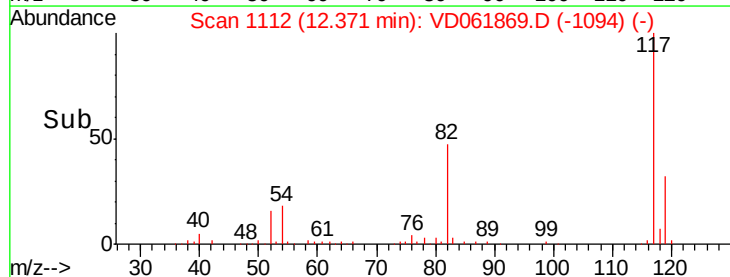
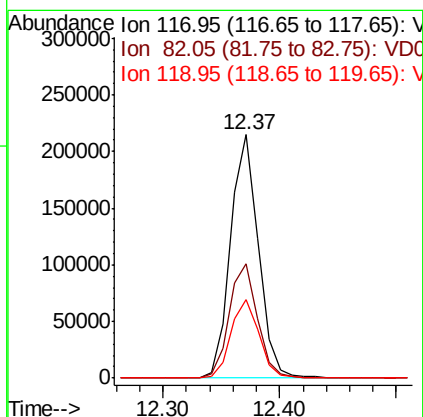
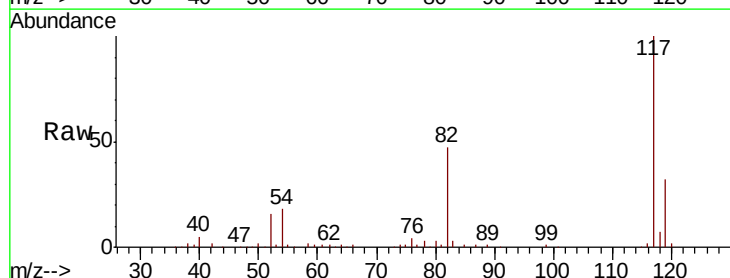
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

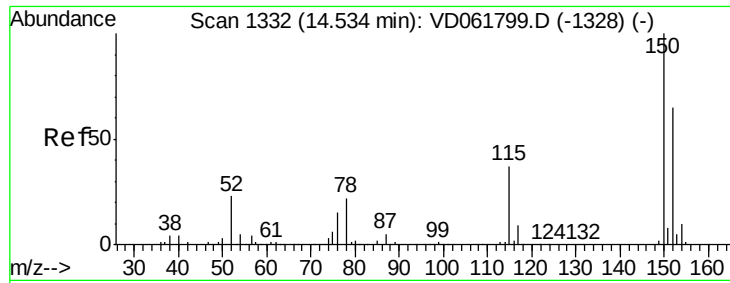
Tgt Ion: 95 Resp: 125208
Ion Ratio Lower Upper
95 100
174 73.8 0.0 181.8
176 69.5 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061869.D
Acq: 18 Apr 2019 12:49

Tgt Ion: 117 Resp: 356484
Ion Ratio Lower Upper
117 100
82 46.9 36.2 54.2
119 32.3 26.2 39.4

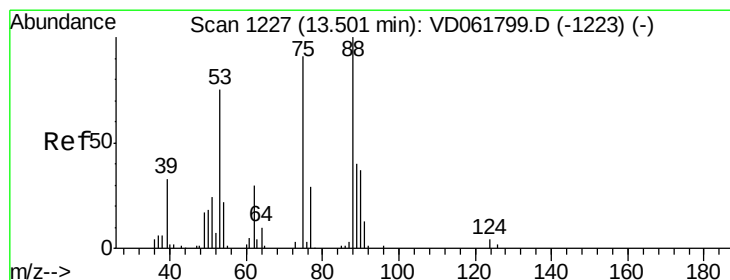
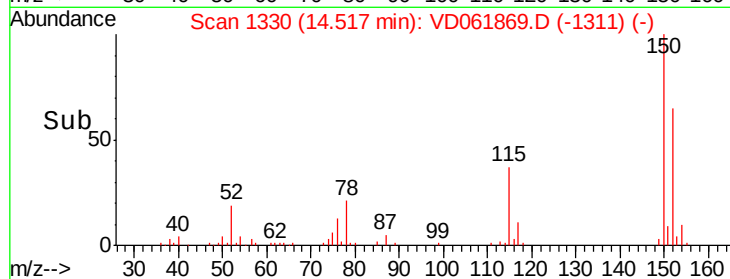
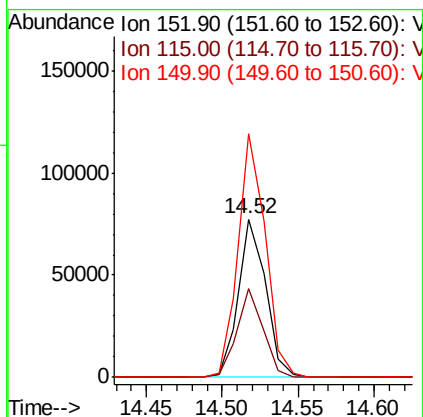
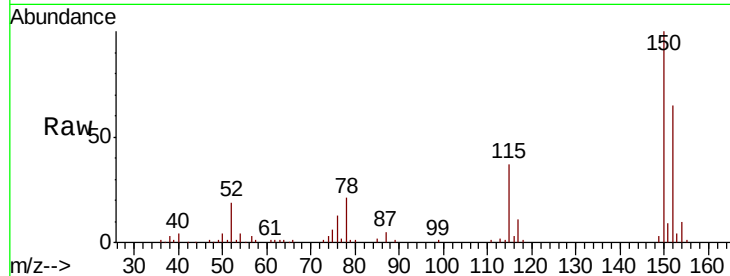




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VD061869.D
 Acq: 18 Apr 2019 12:49

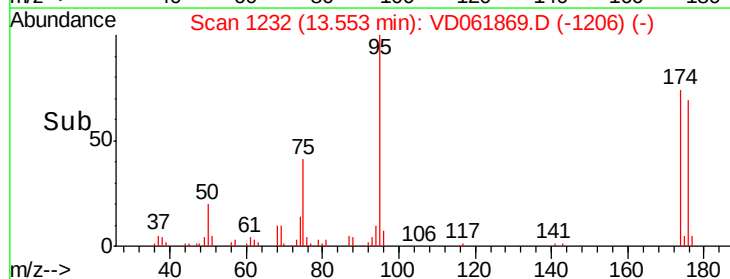
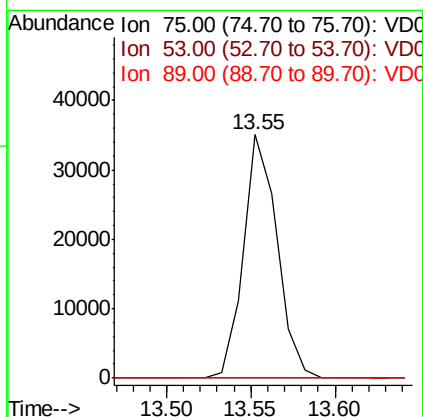
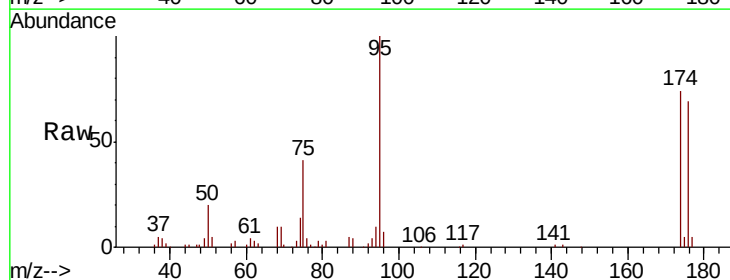
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

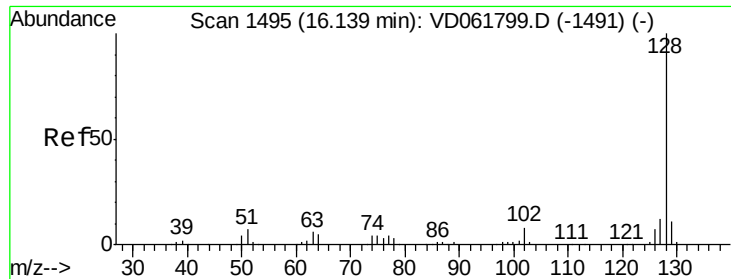
Tgt Ion: 152 Resp: 96432
 Ion Ratio Lower Upper
 152 100
 115 56.2 30.9 92.7
 150 153.9 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.569 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.05 min
 Lab File: VD061869.D
 Acq: 18 Apr 2019 12:49

Tgt Ion: 75 Resp: 48474
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 1.119 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD061869.D
Acq: 18 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

Tgt Ion:128 Resp: 2447
Ion Ratio Lower Upper
128 100
127 0.0 9.8 14.8#
129 0.0 8.8 13.2#

