

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061872.D
 Acq On : 18 Apr 2019 14:13
 Operator : VA/AP
 Sample : K2397-14
 Misc : 3.49g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-D2

Quant Time: Apr 18 14:42:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	225924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	407441	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	276794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	73020	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	175944	92.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	185.84%		
35) Dibromofluoromethane	6.93	113	221932	72.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	144.20%		
50) Toluene-d8	10.42	98	358127	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.20%		
62) 4-Bromofluorobenzene	13.56	95	96204	32.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	65.08%		

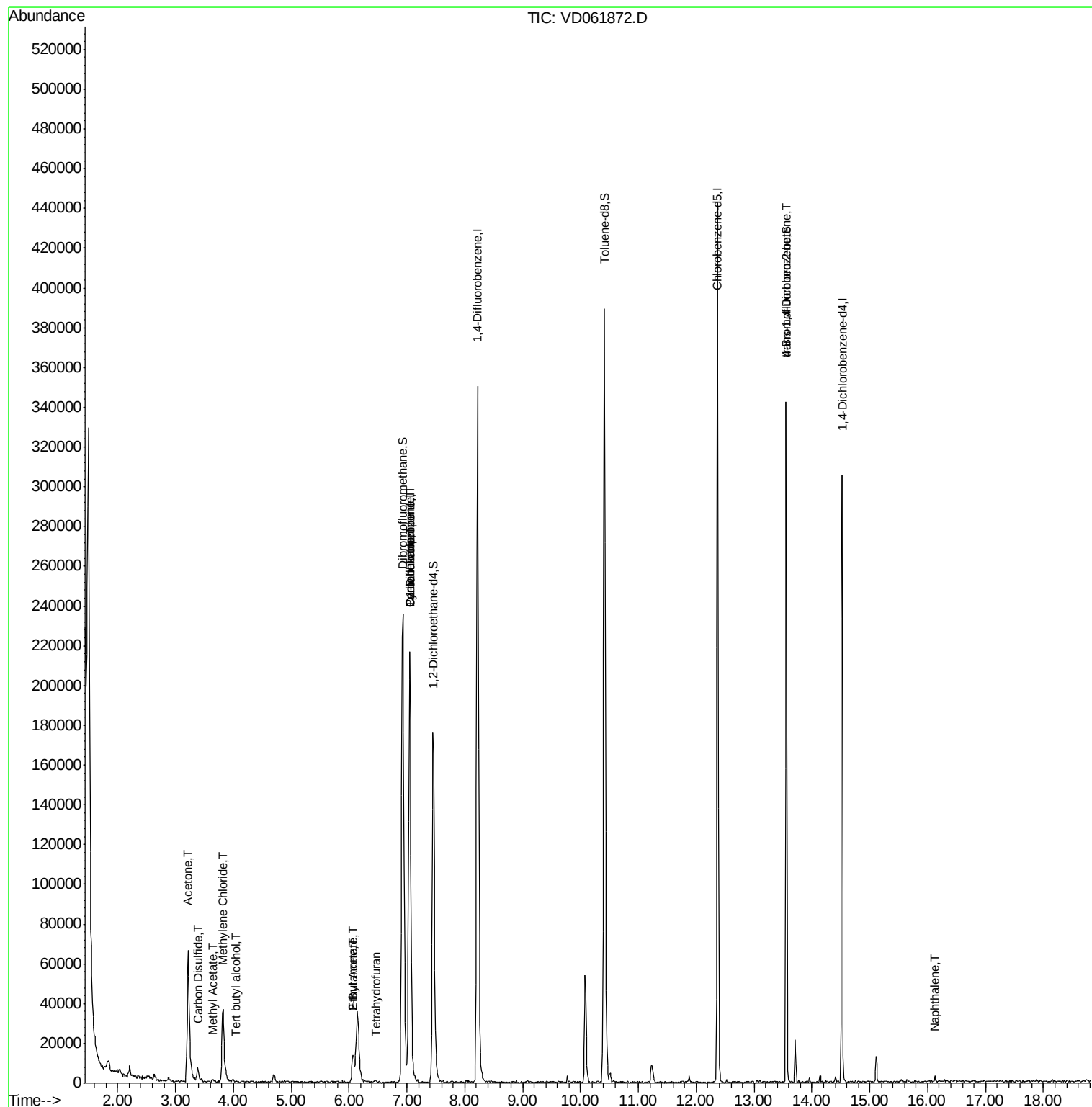
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	485	Below Cal	#	12
11) Tert butyl alcohol	4.04	59	583	5.221	ug/l #	76
16) Acetone	3.22	43	130969	280.648	ug/l	94
17) Carbon Disulfide	3.39	76	11796	1.722	ug/l #	93
18) Methyl Acetate	3.64	43	2298	2.457	ug/l #	53
20) Methylene Chloride	3.82	84	27529	8.016	ug/l #	87
25) 2-Butanone	6.06	43	39832	74.973	ug/l	100
29) Tetrahydrofuran	6.47	42	753	2.910	ug/l #	30
31) Cyclohexane	7.04	56	3906	1.362	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	16267	4.886	ug/l #	46
37) Ethyl Acetate	6.06	43	39833	27.953	ug/l #	64
38) Carbon Tetrachloride	7.05	117	22535	5.360	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	38683	119.508	ug/l #	16
95) Naphthalene	16.12	128	2194	1.325	ug/l #	70

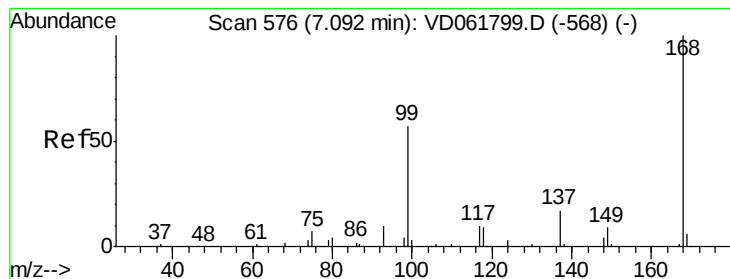
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

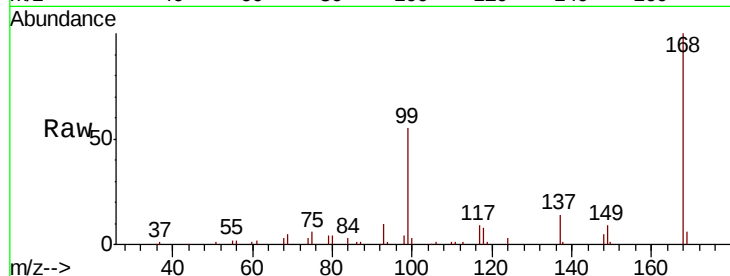
TP-3-D2

Tgt Ion:168 Resp: 225924

Ion Ratio Lower Upper

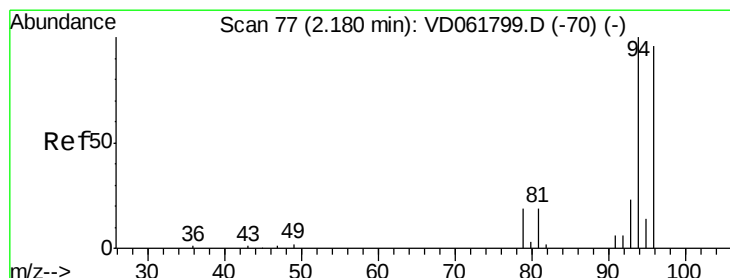
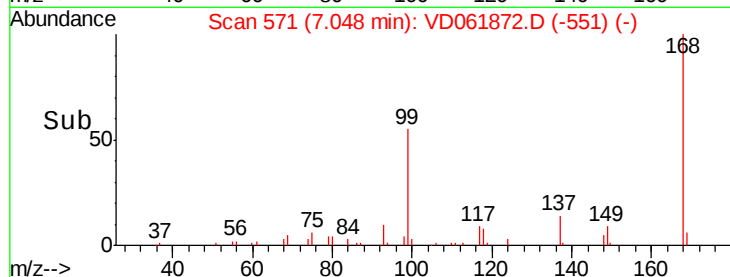
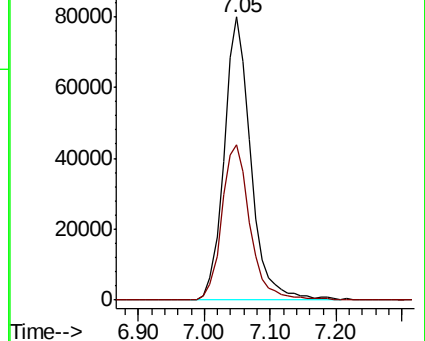
168 100

99 54.7 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: 2.18 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

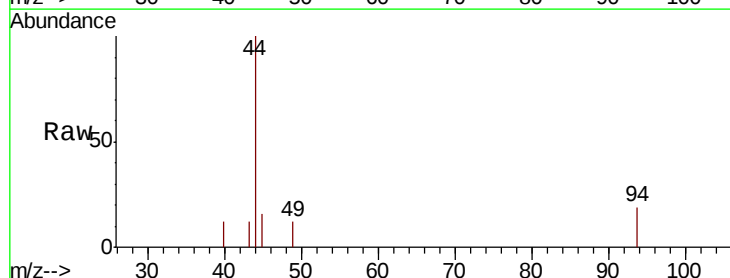
Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

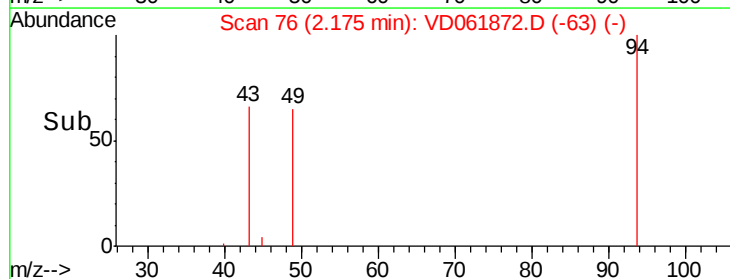
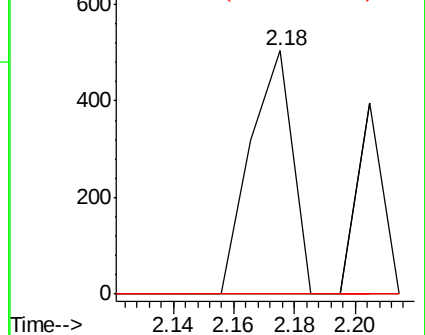
93 0.0 18.5 27.7#

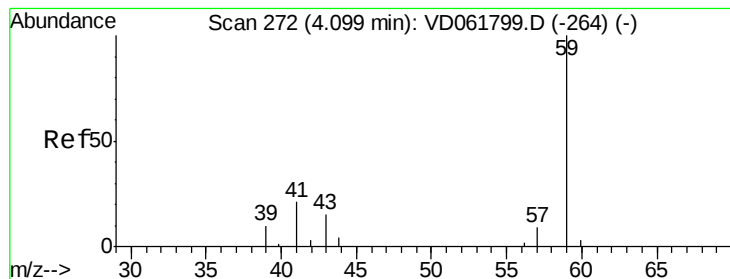


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



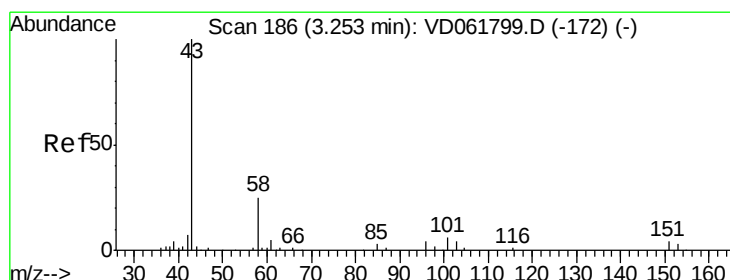
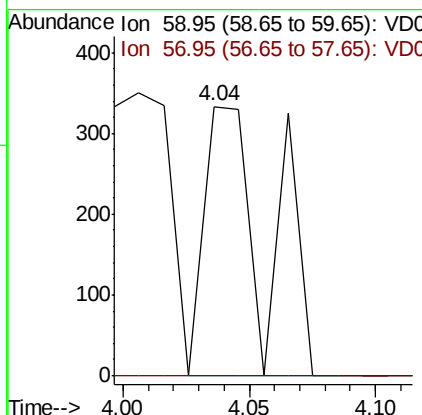
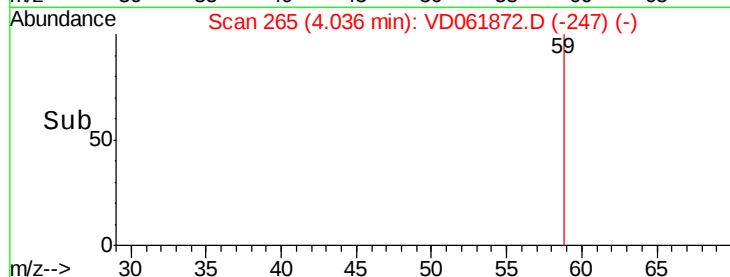
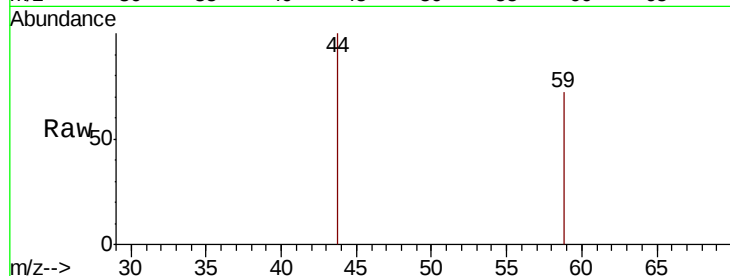


#11

Tert butyl alcohol
 Concen: 5.221 ug/l
 RT: 4.04 min Scan# 265
 Delta R.T. -0.02 min
 Lab File: VD061872.D
 Acq: 18 Apr 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-D2

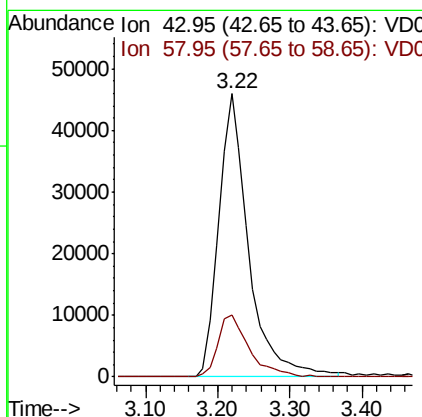
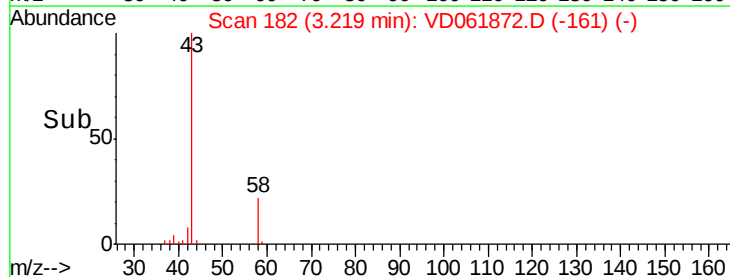
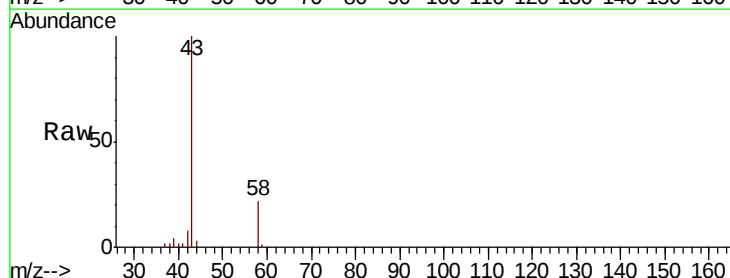
Tgt Ion: 59 Resp: 583
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

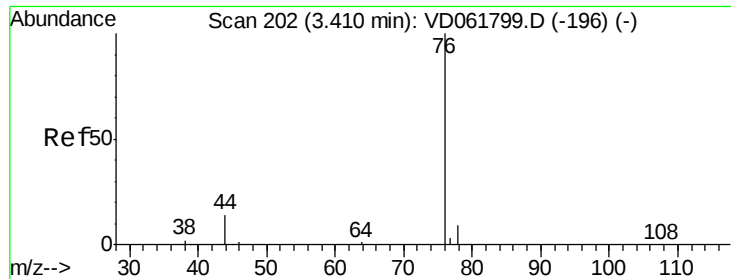


#16

Acetone
 Concen: 280.648 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD061872.D
 Acq: 18 Apr 2019 14:13

Tgt Ion: 43 Resp: 130969
 Ion Ratio Lower Upper
 43 100
 58 21.8 19.9 29.9





#17

Carbon Disulfide

Concen: 1.722 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

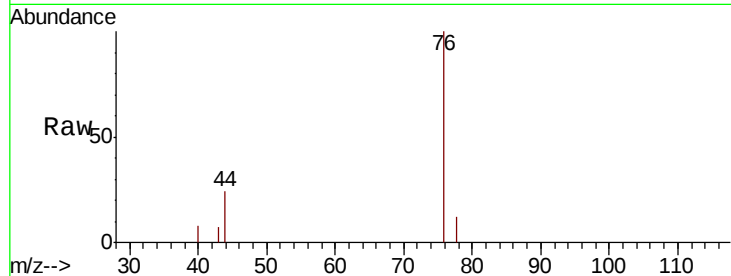
TP-3-D2

Tgt Ion: 76 Resp: 11796

Ion Ratio Lower Upper

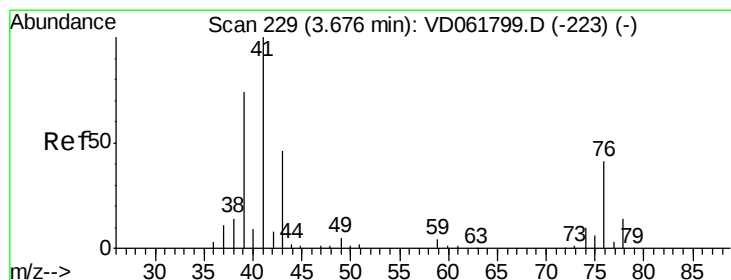
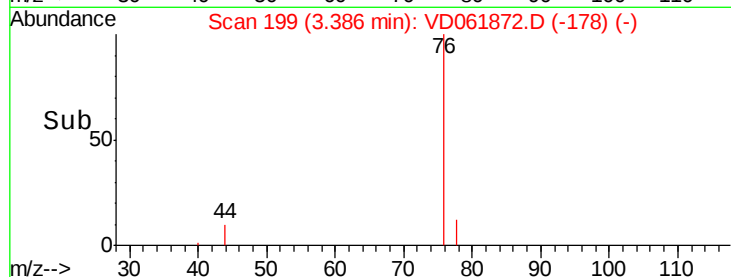
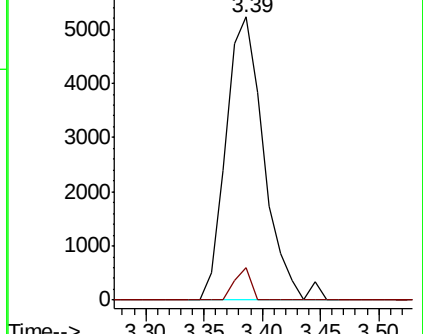
76 100

78 11.6 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 2.457 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061872.D

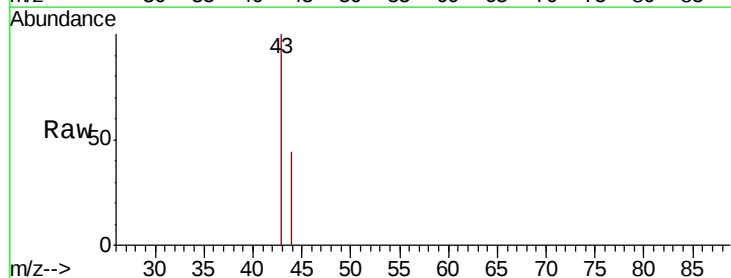
Acq: 18 Apr 2019 14:13

Tgt Ion: 43 Resp: 2298

Ion Ratio Lower Upper

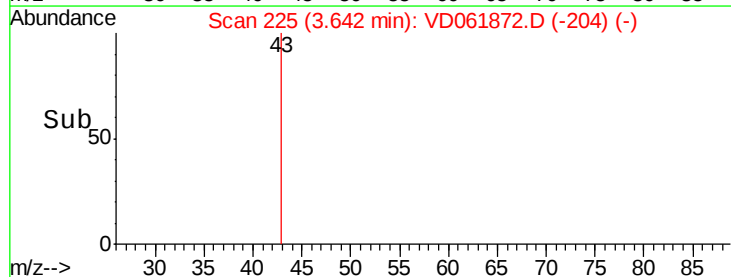
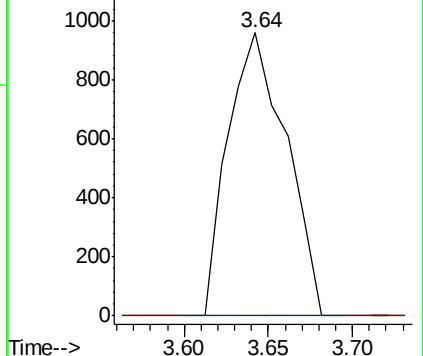
43 100

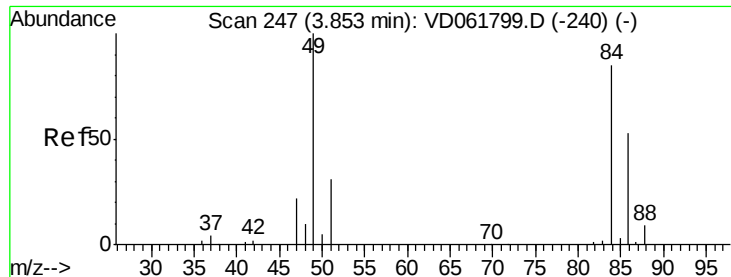
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

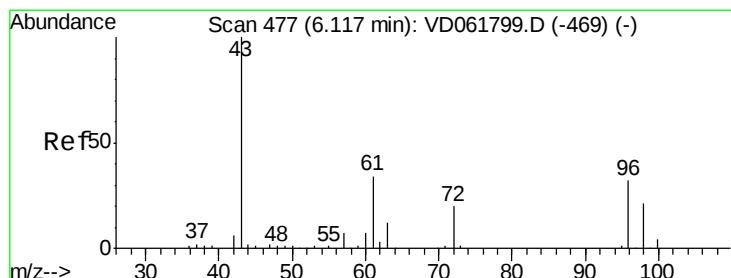
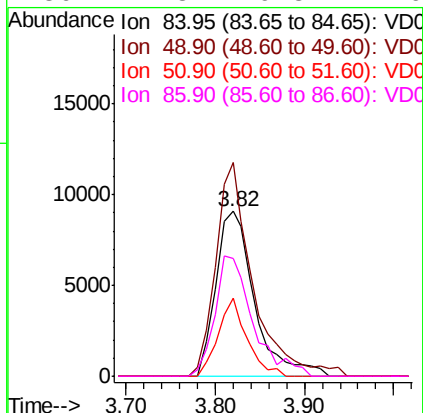
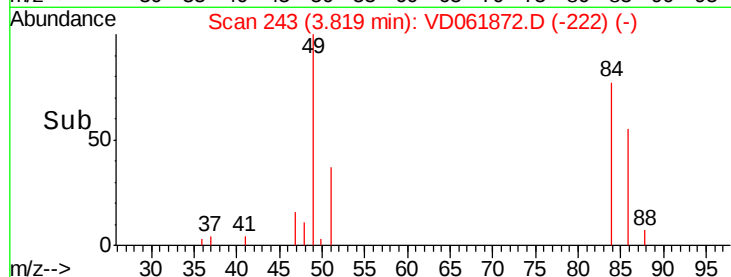
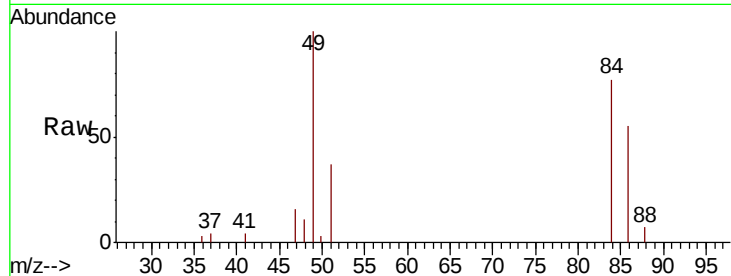




#20
Methylene Chloride
Concen: 8.016 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061872.D
Acq: 18 Apr 2019 14:13

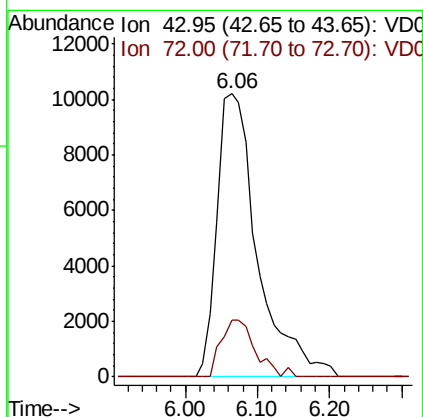
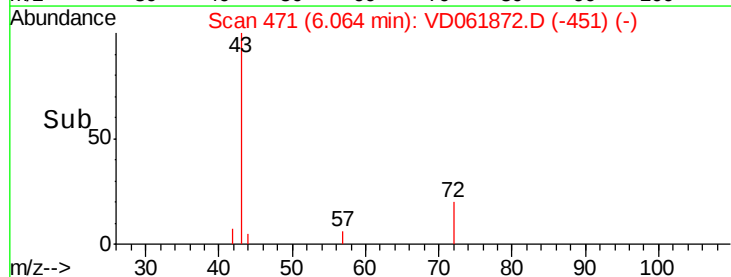
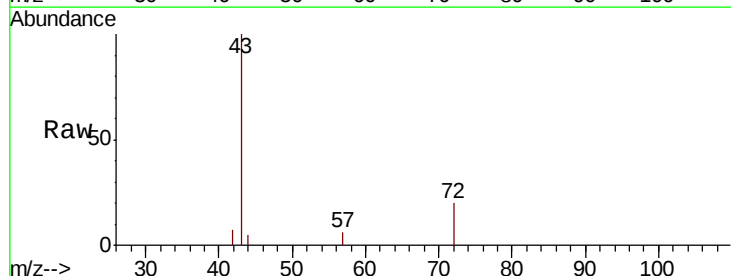
Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2

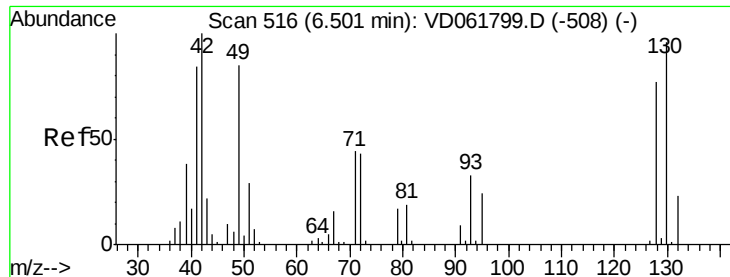
Tgt Ion: 84 Resp: 27529
Ion Ratio Lower Upper
84 100
49 129.6 94.0 141.0
51 47.5 29.0 43.4#
86 71.8 49.8 74.6



#25
2-Butanone
Concen: 74.973 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD061872.D
Acq: 18 Apr 2019 14:13

Tgt Ion: 43 Resp: 39832
Ion Ratio Lower Upper
43 100
72 20.2 16.2 24.4





#29

Tetrahydrofuran

Concen: 2.910 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2

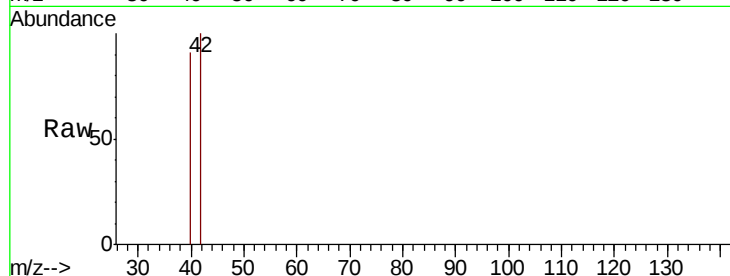
Tgt Ion: 42 Resp: 753

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

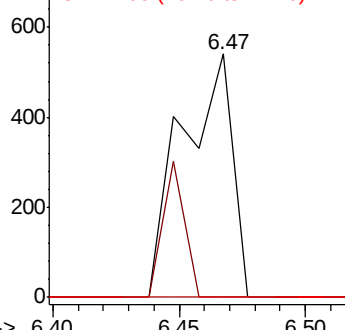
71 0.0 36.7 55.1#



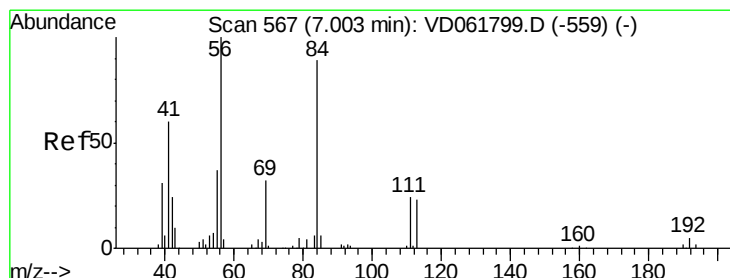
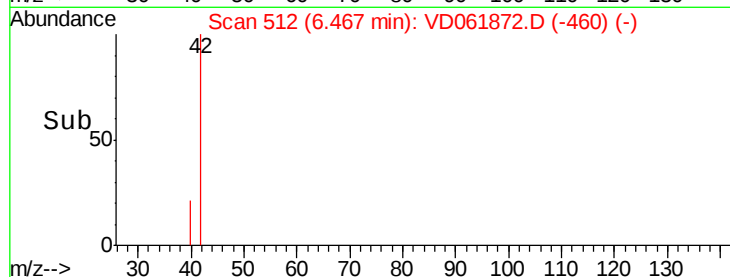
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time--> 6.40 6.45 6.50



#31

Cyclohexane

Concen: 1.362 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

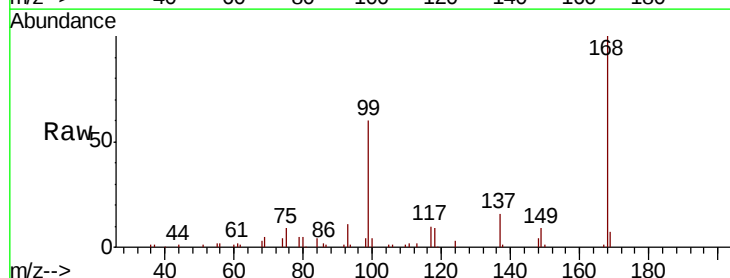
Tgt Ion: 56 Resp: 3906

Ion Ratio Lower Upper

56 100

69 224.1 25.8 38.6#

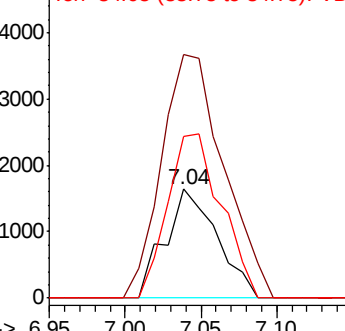
84 148.7 72.2 108.4#



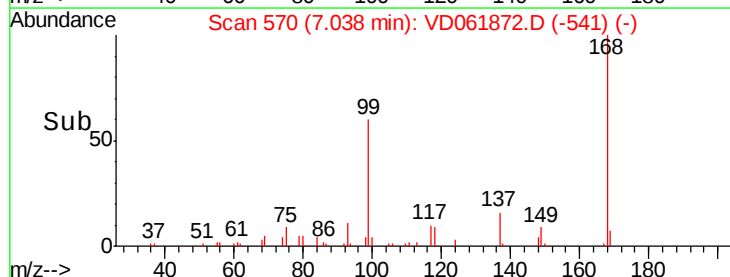
Abundance Ion 55.95 (55.65 to 56.65): VDC

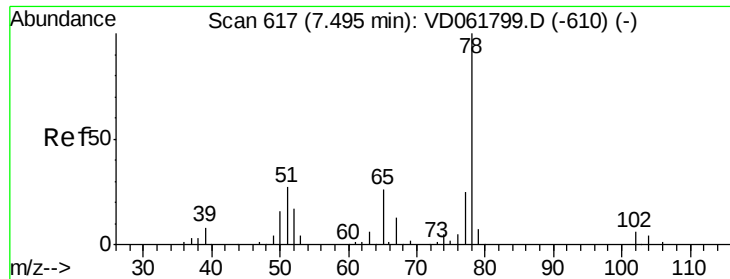
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



Time--> 6.95 7.00 7.05 7.10

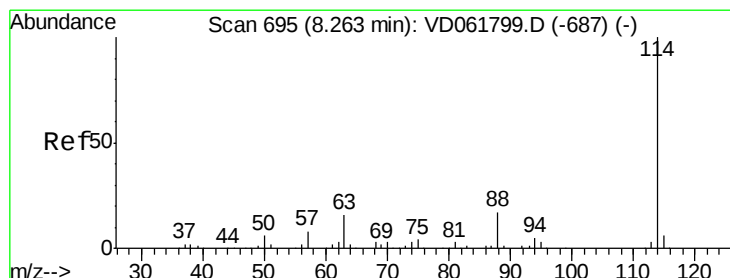
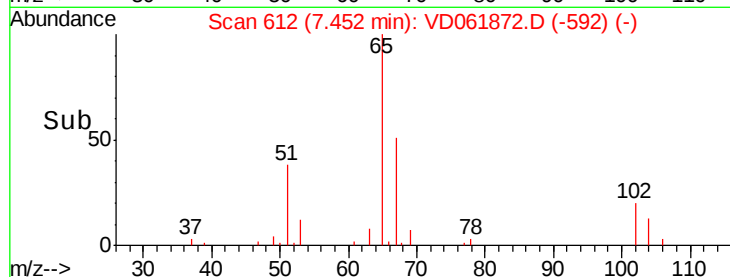
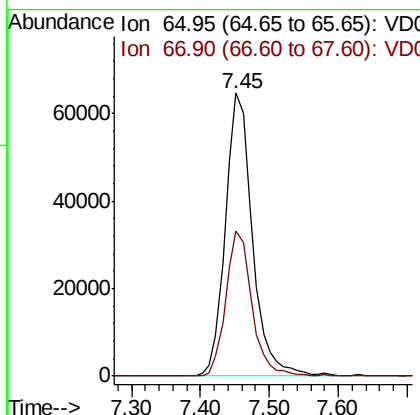
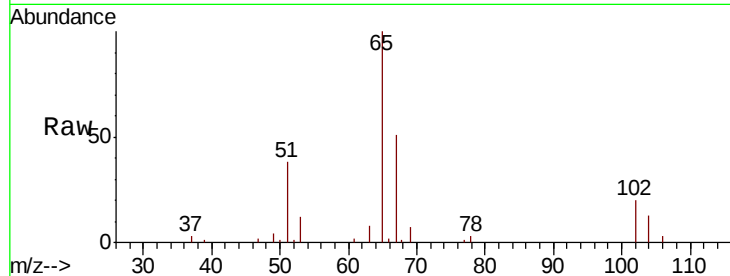




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061872.D
 Acq: 18 Apr 2019 14:13

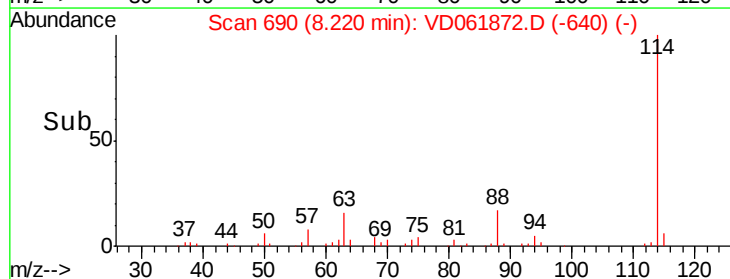
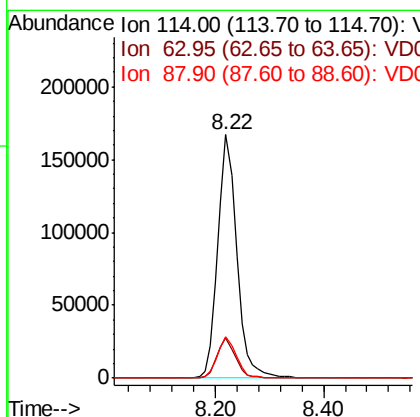
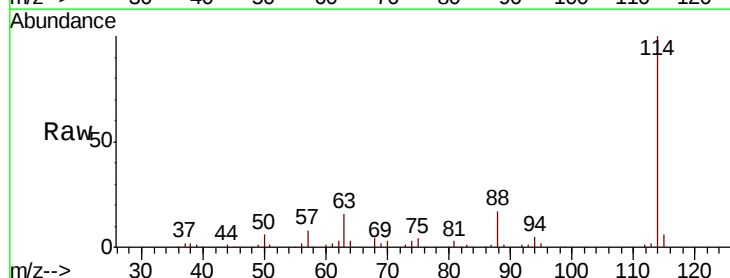
Instrument :
 MSVOA_D
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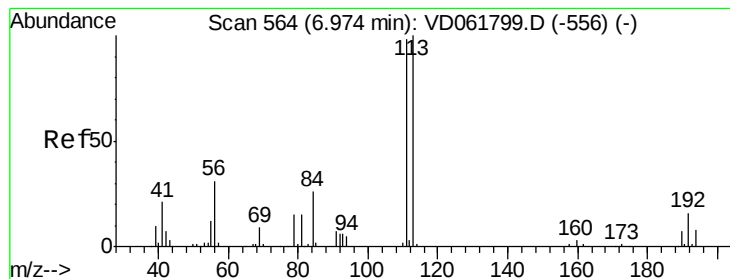
Tgt Ion: 65 Resp: 175944
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061872.D
 Acq: 18 Apr 2019 14:13

Tgt Ion: 114 Resp: 407441
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 32.4
 88 16.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2

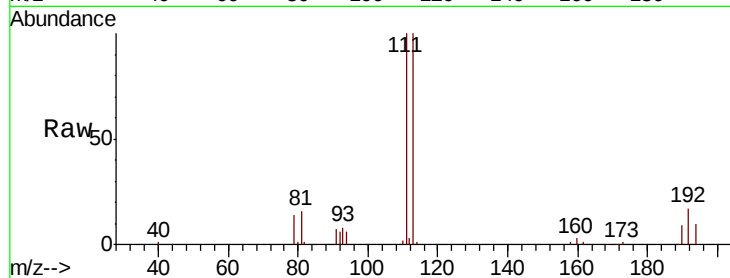
Tgt Ion:113 Resp: 221932

Ion Ratio Lower Upper

113 100

111 99.7 78.5 117.7

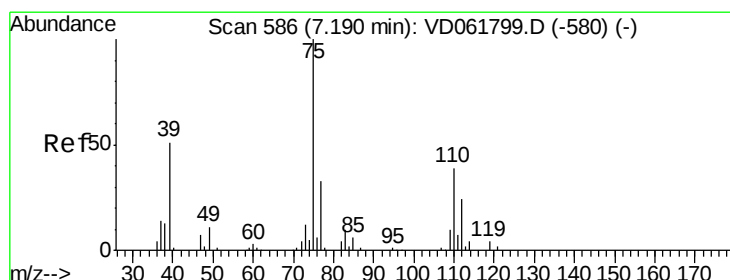
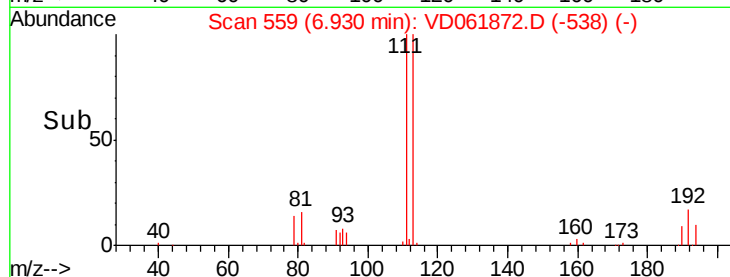
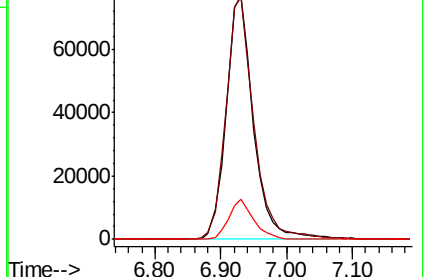
192 16.5 13.0 19.4



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: 4.886 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

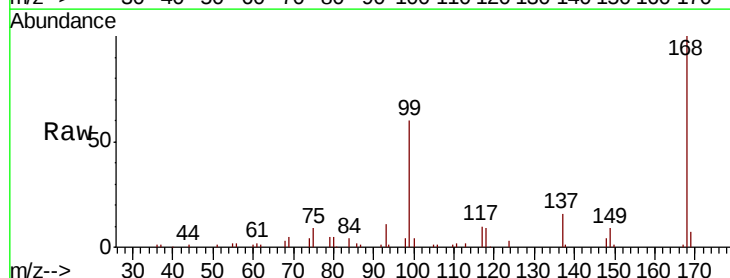
Tgt Ion: 75 Resp: 16267

Ion Ratio Lower Upper

75 100

110 7.2 19.1 57.1#

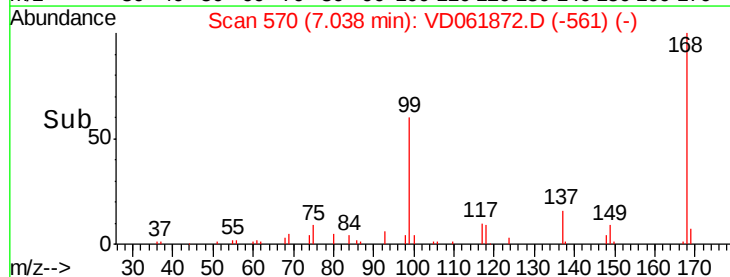
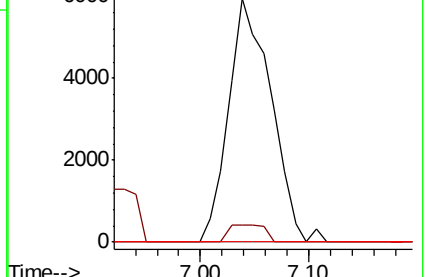
77 0.0 25.6 38.4#

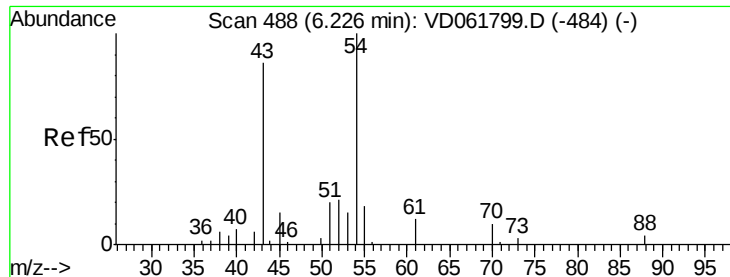


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

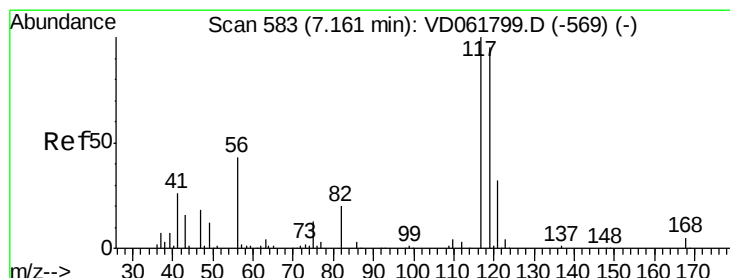
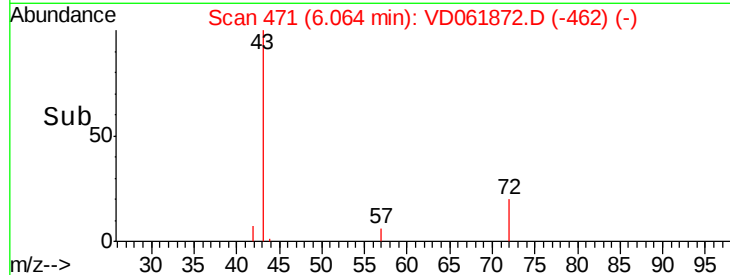
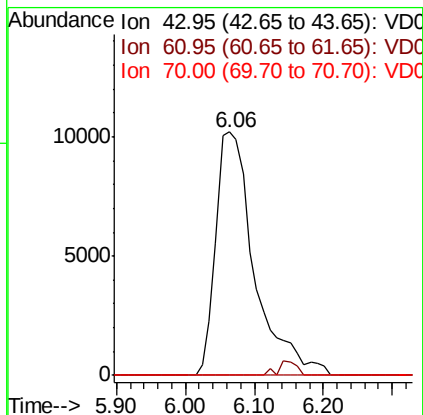
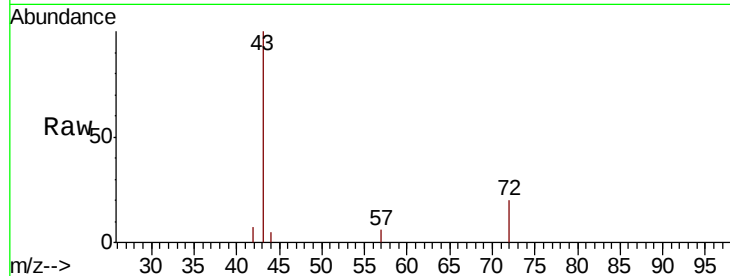




#37
 Ethyl Acetate
 Concen: 27.953 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.11 min
 Lab File: VD061872.D
 Acq: 18 Apr 2019 14:13

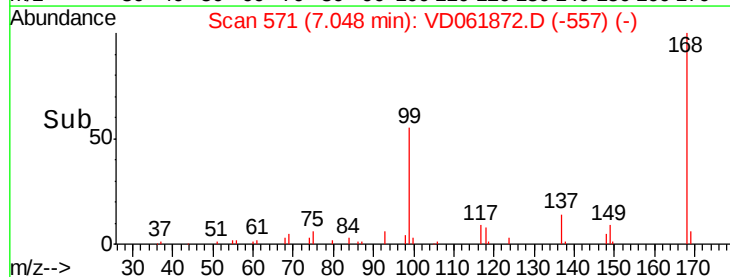
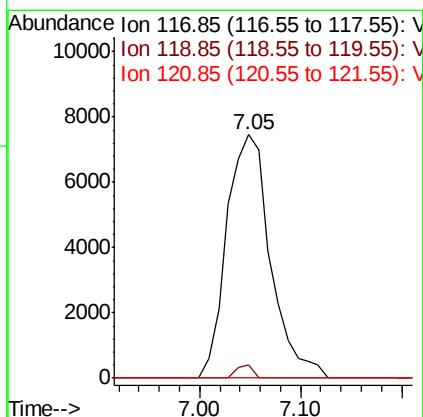
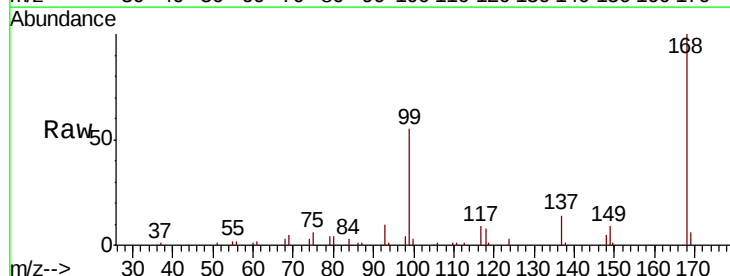
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-3-D2

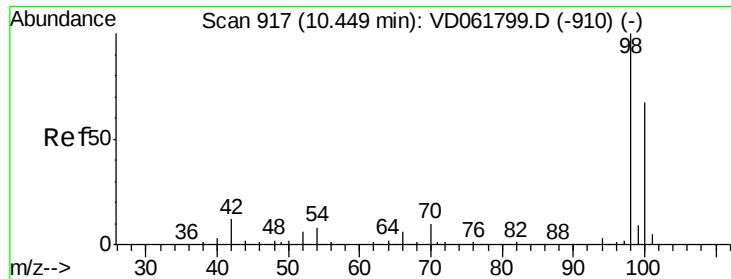
Tgt Ion: 43 Resp: 39833
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.7 22.1#
 70 0.0 7.8 11.6#



#38
 Carbon Tetrachloride
 Concen: 5.360 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.06 min
 Lab File: VD061872.D
 Acq: 18 Apr 2019 14:13

Tgt Ion: 117 Resp: 22535
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.8 113.8#
 121 0.0 25.9 38.9#

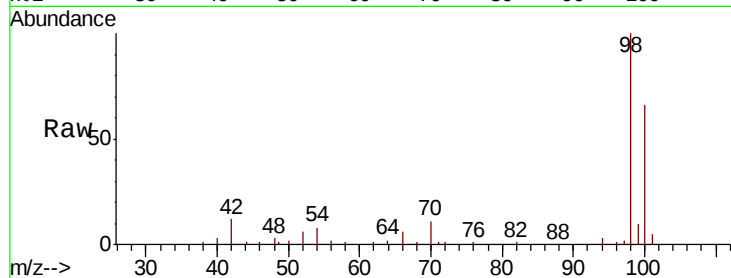




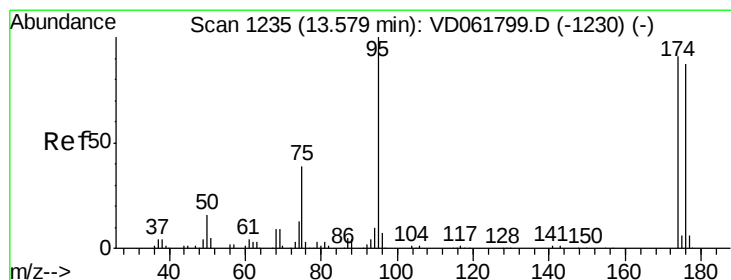
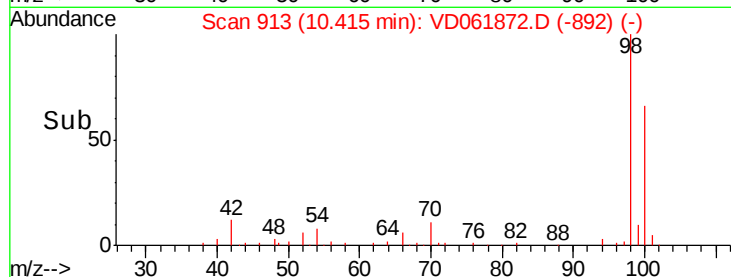
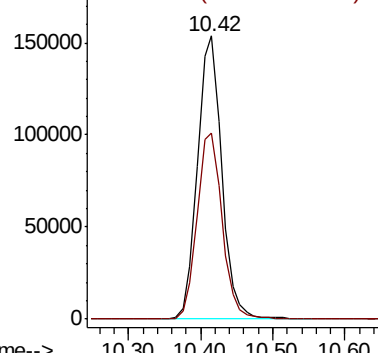
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061872.D
Acq: 18 Apr 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2

Tgt Ion: 98 Resp: 358127
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.8

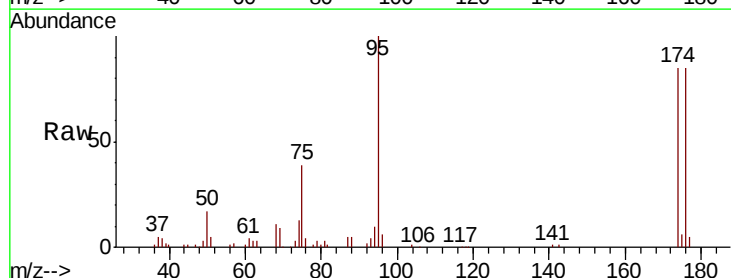


Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)
Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

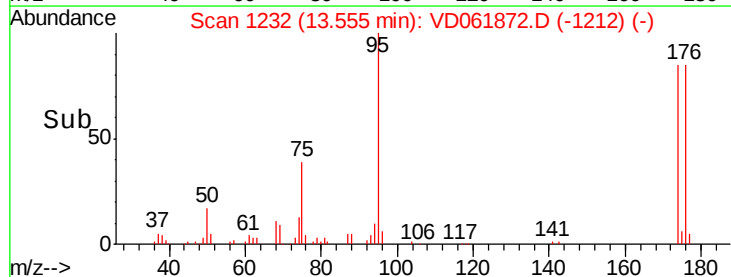
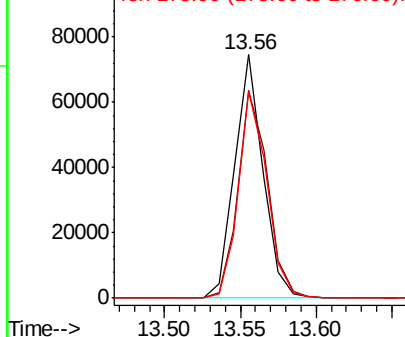


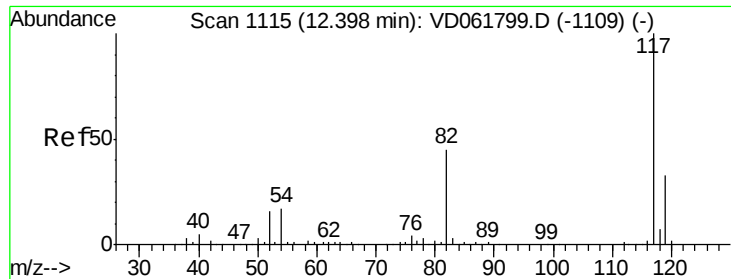
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061872.D
Acq: 18 Apr 2019 14:13

Tgt Ion: 95 Resp: 96204
Ion Ratio Lower Upper
95 100
174 85.3 0.0 181.8
176 84.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061799.D (-1230) (-)
Ion 173.90 (173.60 to 174.60): VD061799.D (-1230) (-)
Ion 175.90 (175.60 to 176.60): VD061799.D (-1230) (-)

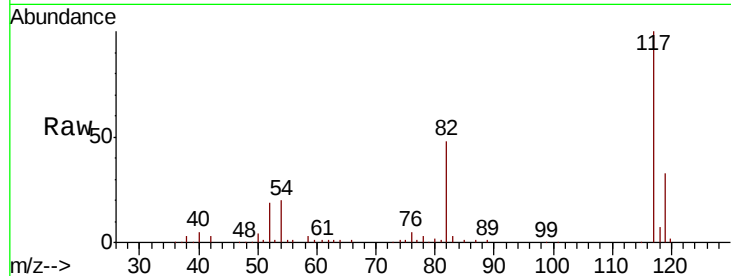




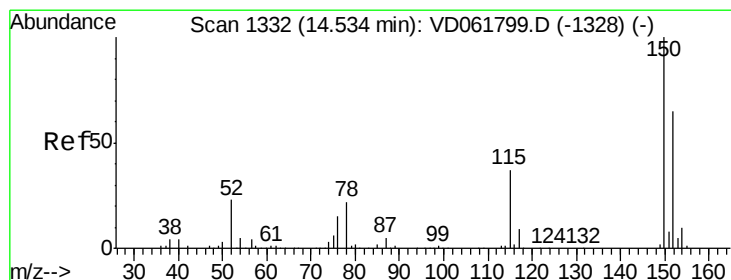
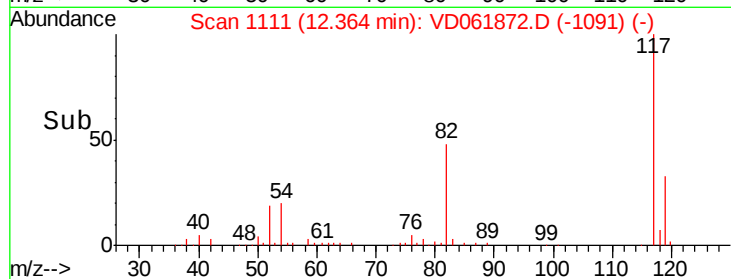
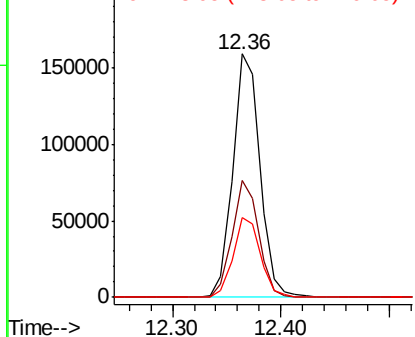
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061872.D
Acq: 18 Apr 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2

Tgt Ion:117 Resp: 276794
Ion Ratio Lower Upper
117 100
82 48.1 36.2 54.2
119 32.6 26.2 39.4

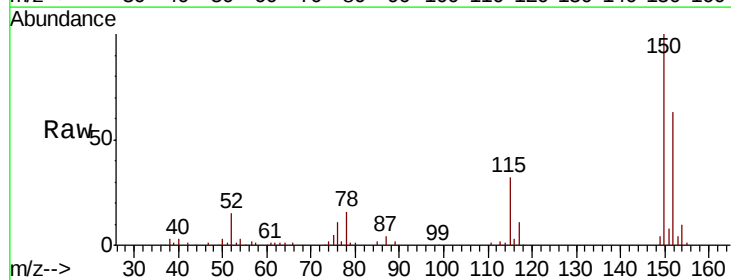


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

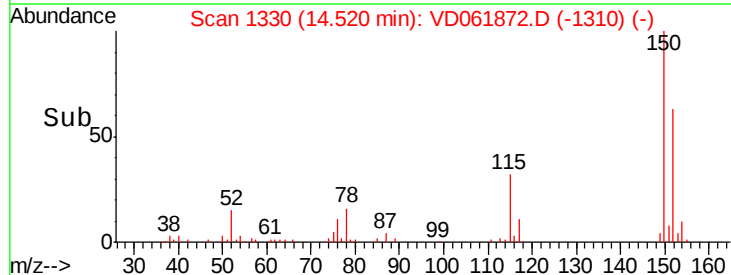
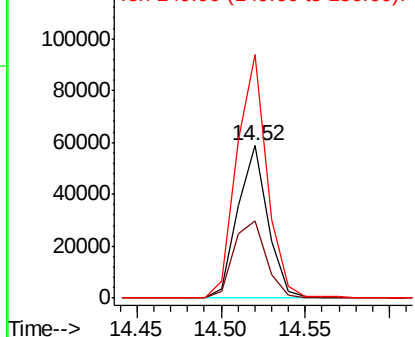


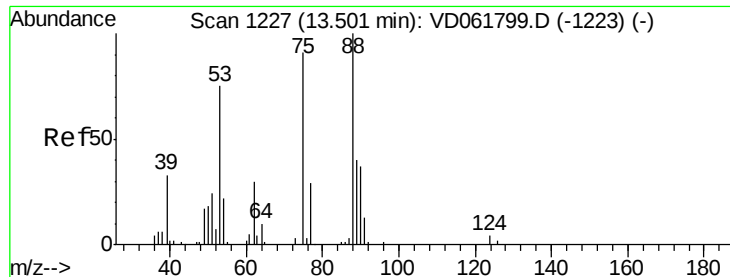
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061872.D
Acq: 18 Apr 2019 14:13

Tgt Ion:152 Resp: 73020
Ion Ratio Lower Upper
152 100
115 50.5 30.9 92.7
150 159.6 0.0 314.8



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: 119.508 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2

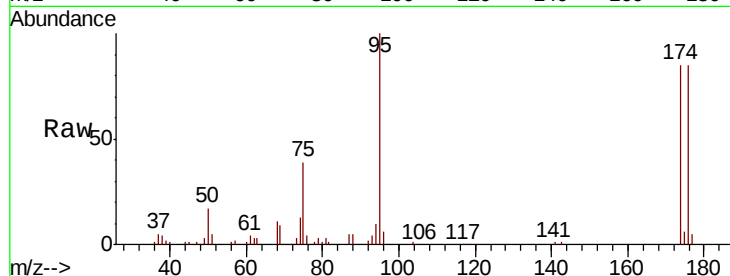
Tgt Ion: 75 Resp: 38683

Ion Ratio Lower Upper

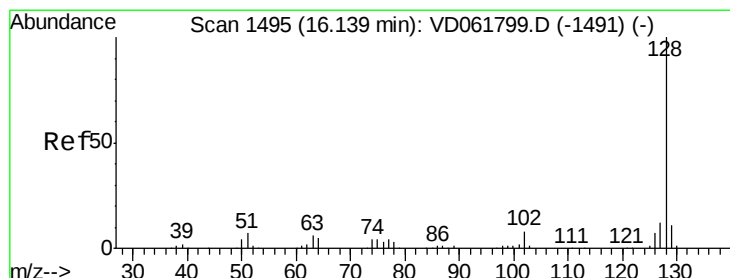
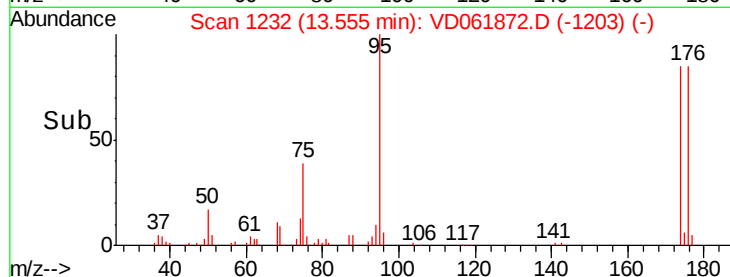
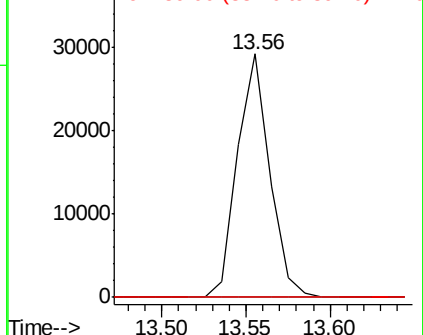
75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 1.325 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061872.D

Acq: 18 Apr 2019 14:13

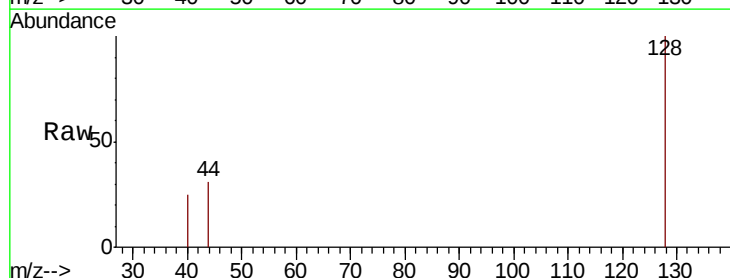
Tgt Ion: 128 Resp: 2194

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

