

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031219\
 Data File : VD061023.D
 Acq On : 12 Mar 2019 14:47
 Operator : VA/AP
 Sample : K1846-07RE
 Misc : 4.95g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S

Quant Time: Mar 13 04:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	626337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1015807	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	852091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	302378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	259400	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	6.92	113	416993	55.31	ug/l	0.00
Spiked Amount			Recovery	=	110.62%	
50) Toluene-d8	10.41	98	980571	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	13.56	95	319223	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	

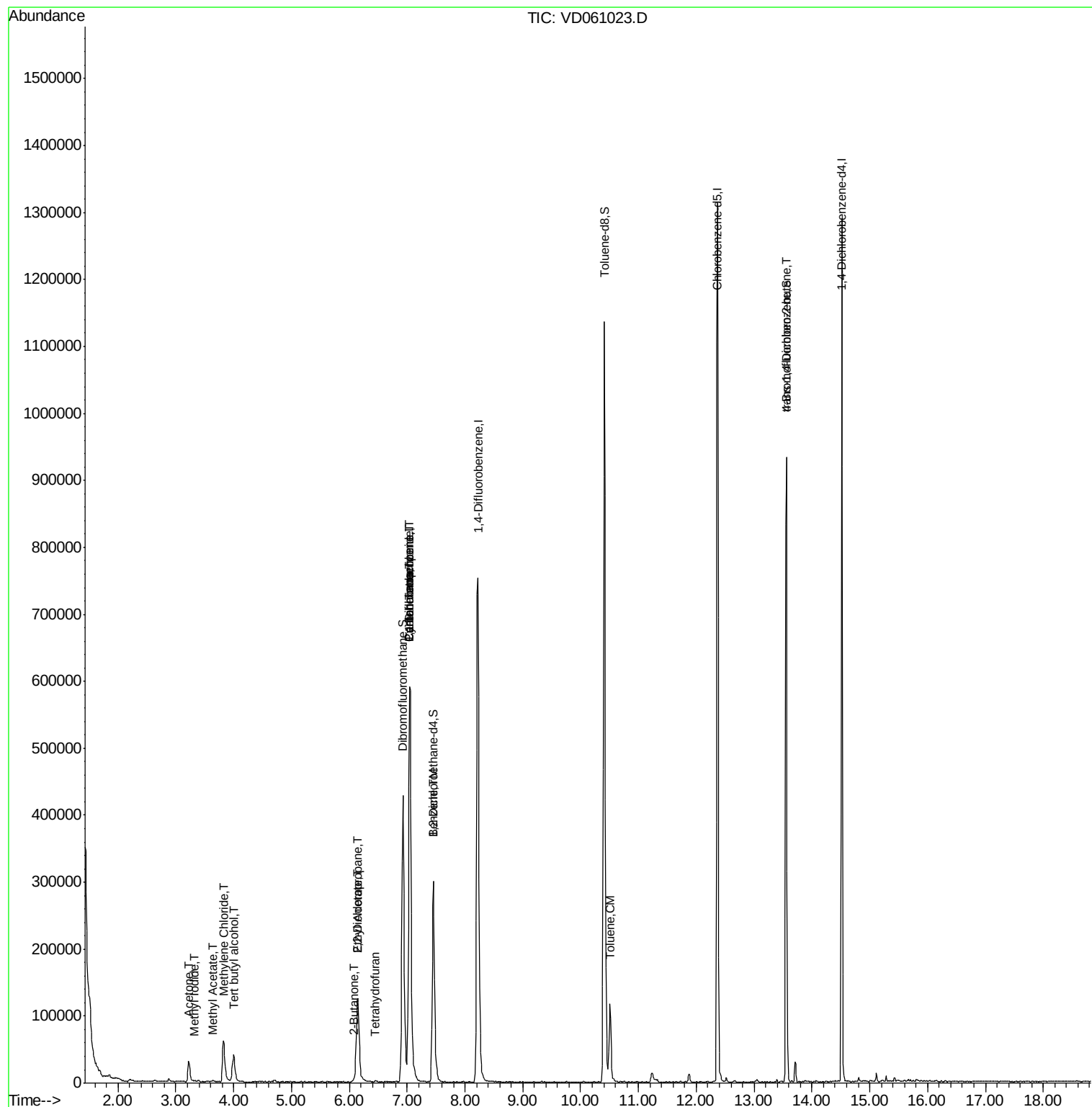
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	417	Below Cal	#	8
10) Methyl Iodide	3.33	142	1019	3.025	ug/l #	39
11) Tert butyl alcohol	4.00	59	39013	117.543	ug/l #	75
16) Acetone	3.22	43	60035	40.269	ug/l	99
18) Methyl Acetate	3.65	43	5593	1.906	ug/l	93
20) Methylene Chloride	3.82	84	48240	2.683	ug/l	97
25) 2-Butanone	6.07	43	6679	3.948	ug/l	93
26) 2,2-Dichloropropane	6.14	77	9937	1.113	ug/l #	50
29) Tetrahydrofuran	6.46	42	1880	2.047	ug/l #	51
31) Cyclohexane	7.05	56	10556	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	47409	5.414	ug/l #	46
37) Ethyl Acetate	6.14	43	7906	1.924	ug/l #	1
38) Carbon Tetrachloride	7.04	117	58957	6.113	ug/l #	15
40) Benzene	7.46	78	35800	1.636	ug/l #	90
52) Toluene	10.51	92	63044	4.634	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.55	75	115090	89.736	ug/l #	17

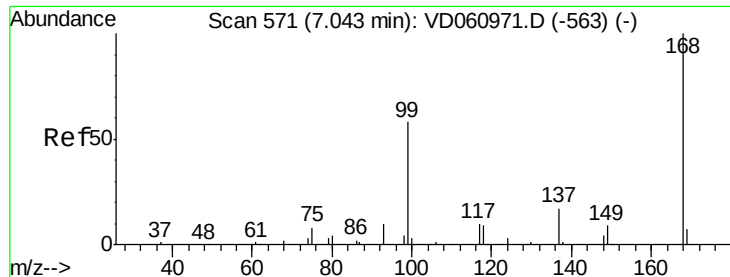
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031219\
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Quant Time: Mar 13 04:08:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

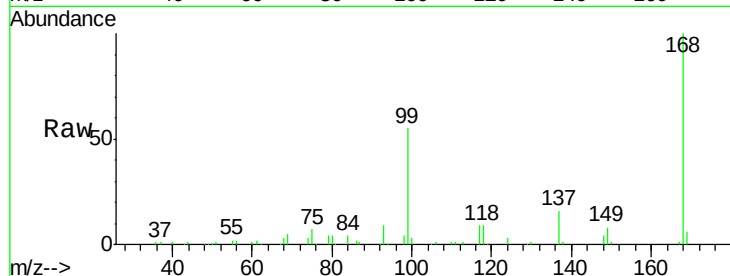
TP-1-S

Tot Ion:168 Resp: 626337

Ion Ratio Lower Upper

168 100

99 55.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

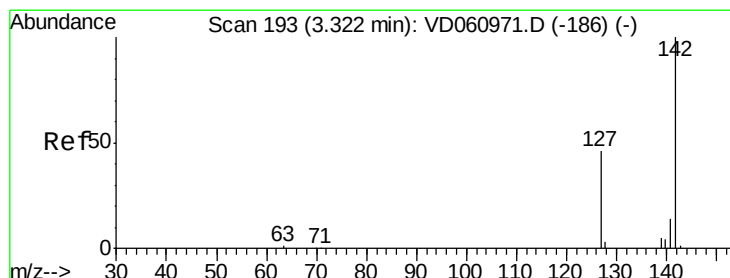
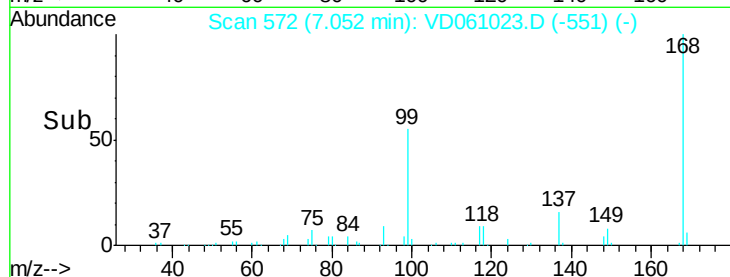
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.025 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

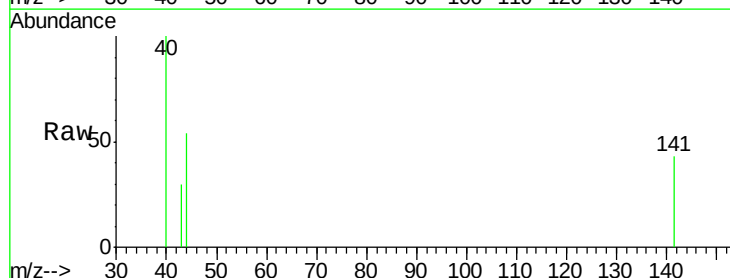
Tgt Ion:142 Resp: 1019

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

800

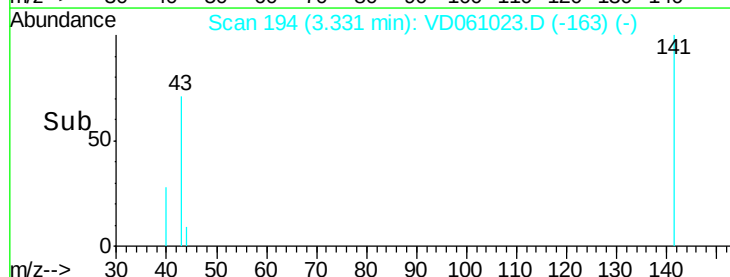
600

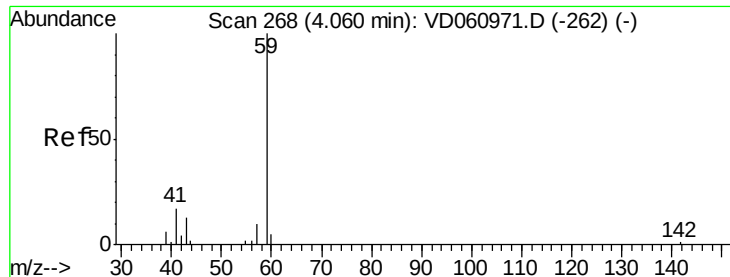
400

200

0

Time-->



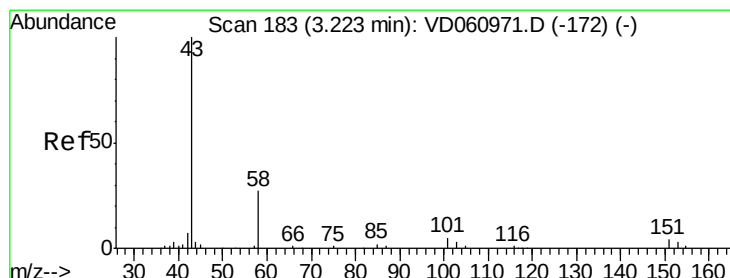
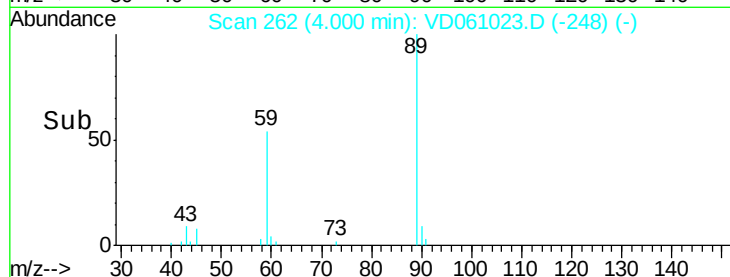
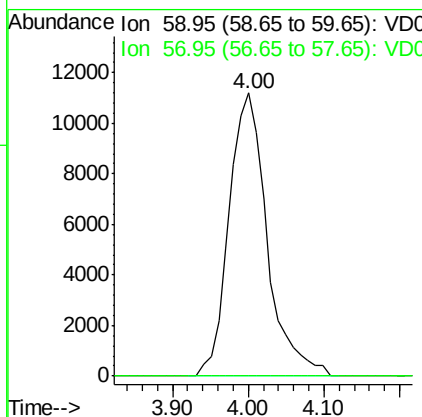
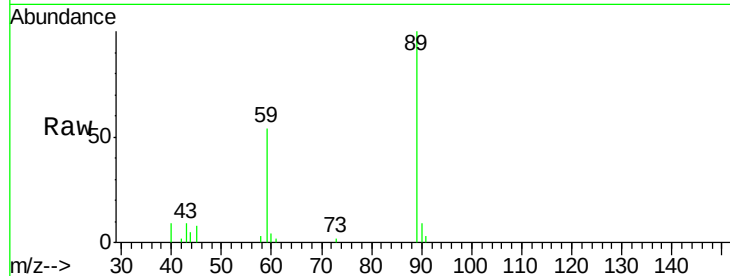


#11

Tert butyl alcohol
 Concen: 117.543 ug/l
 RT: 4.00 min Scan# 262
 Delta R.T. -0.06 min
 Lab File: VD061023.D
 Acq: 12 Mar 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S

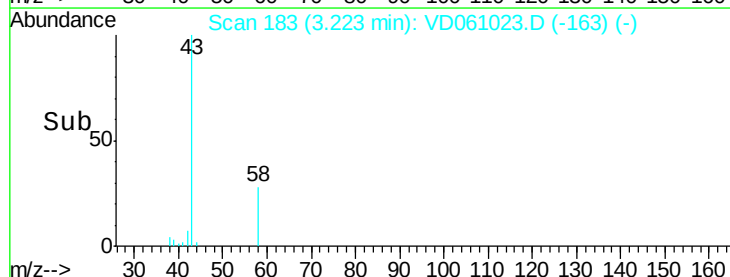
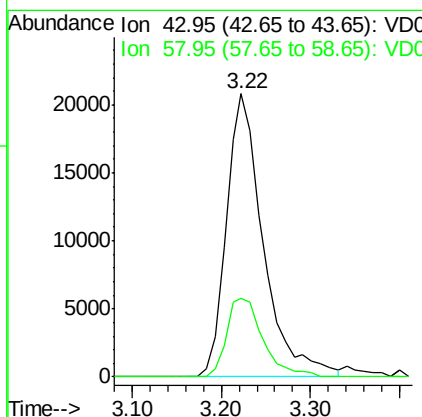
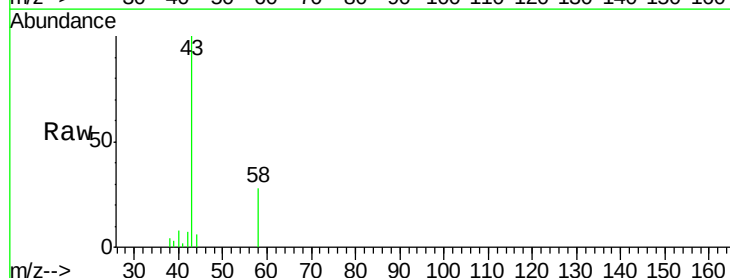
Tot Ion: 59 Resp: 39013
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

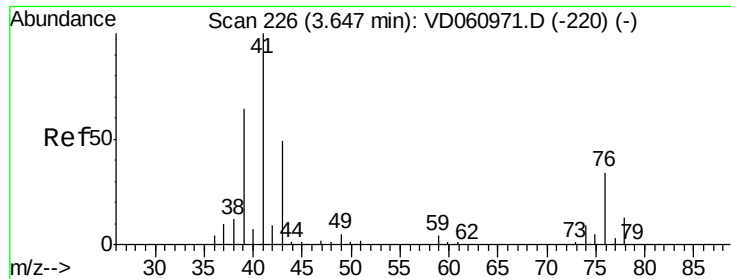


#16

Acetone
 Concen: 40.269 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VD061023.D
 Acq: 12 Mar 2019 14:47

Tgt Ion: 43 Resp: 60035
 Ion Ratio Lower Upper
 43 100
 58 27.6 21.6 32.4





#18

Methyl Acetate

Concen: 1.906 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

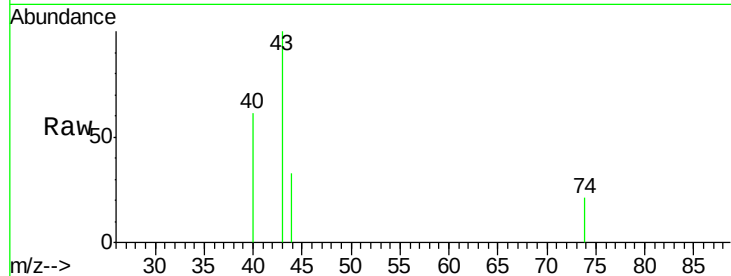
TP-1-S

Tot Ion: 43 Resp: 5593

Ion Ratio Lower Upper

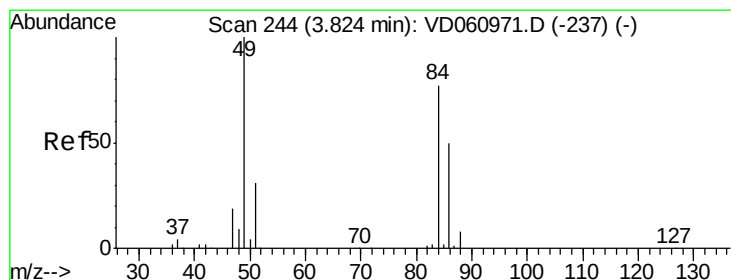
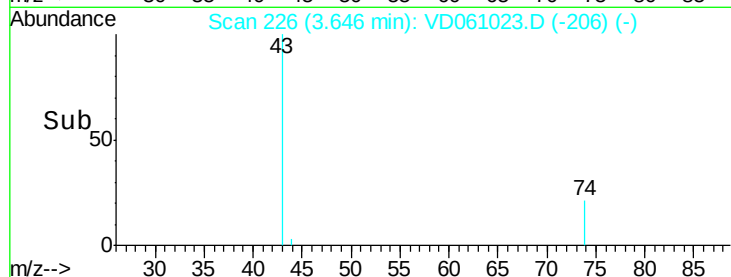
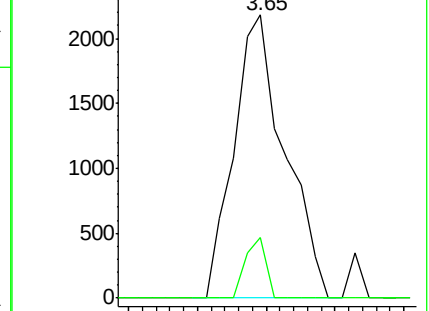
43 100

74 21.4 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 2.683 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Tgt Ion: 84 Resp: 48240

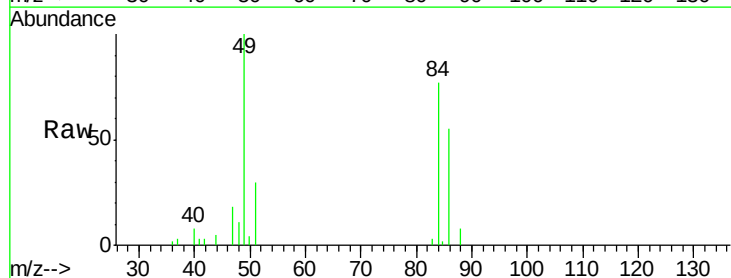
Ion Ratio Lower Upper

84 100

49 130.0 104.2 156.2

51 39.0 32.3 48.5

86 71.5 52.3 78.5

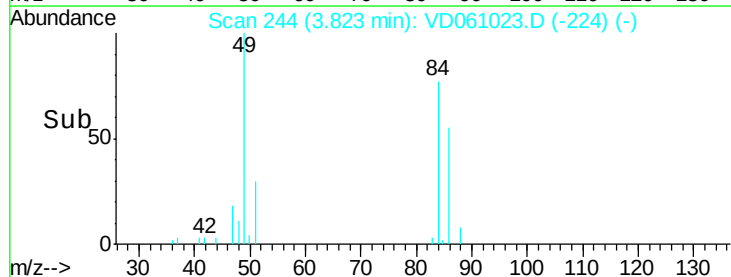
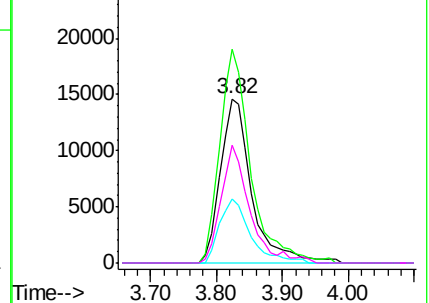


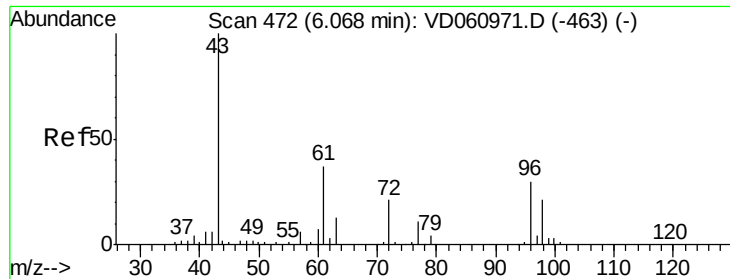
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 3.948 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

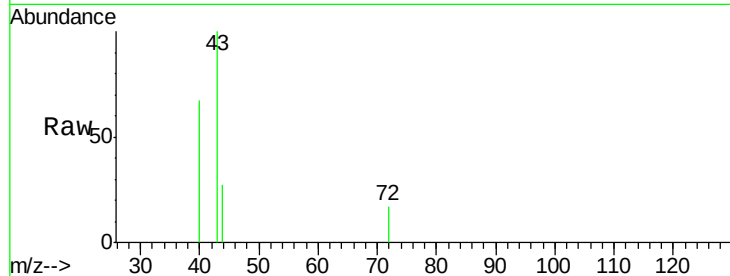
TP-1-S

Tot Ion: 43 Resp: 6679

Ion Ratio Lower Upper

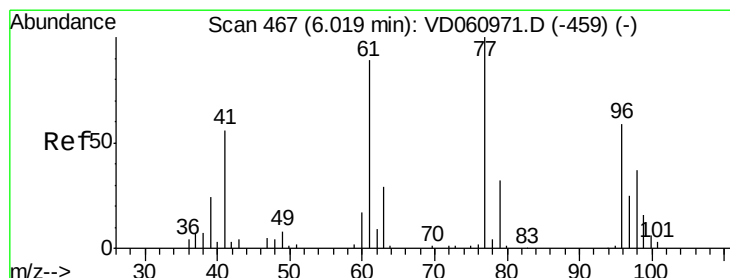
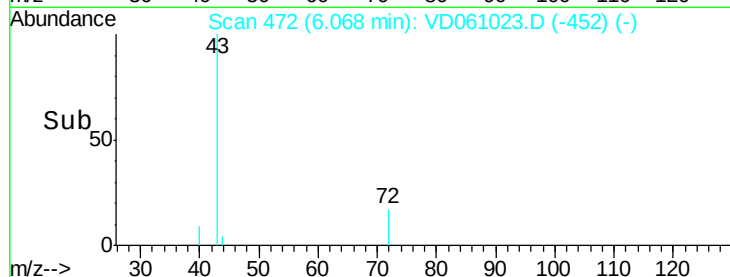
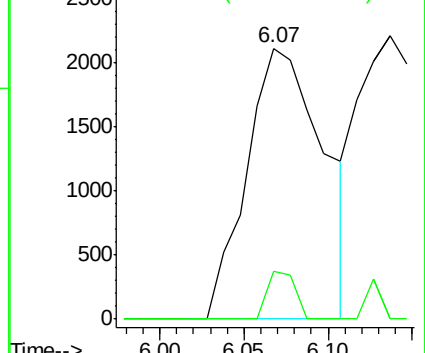
43 100

72 17.5 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 1.113 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.12 min

Lab File: VD061023.D

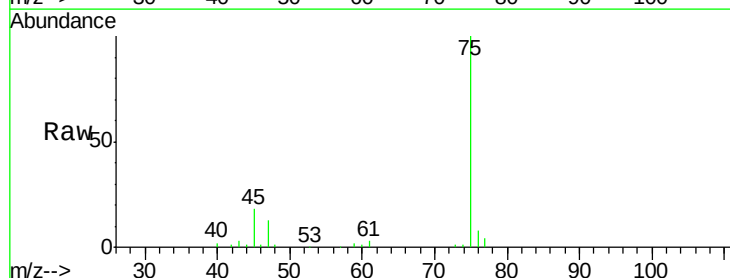
Acq: 12 Mar 2019 14:47

Tgt Ion: 77 Resp: 9937

Ion Ratio Lower Upper

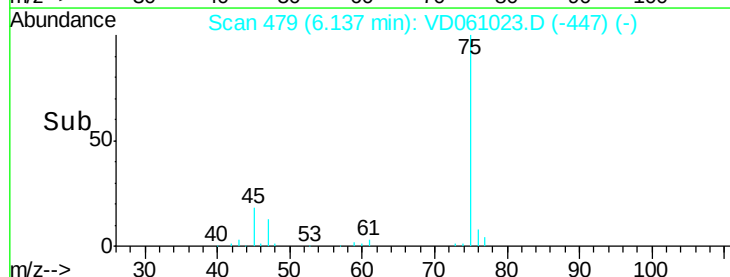
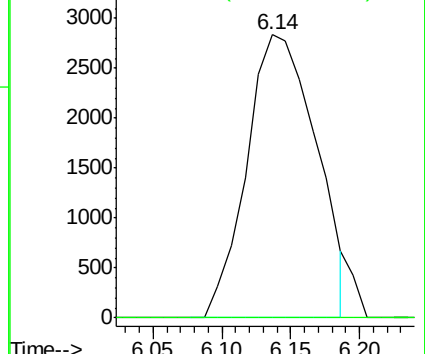
77 100

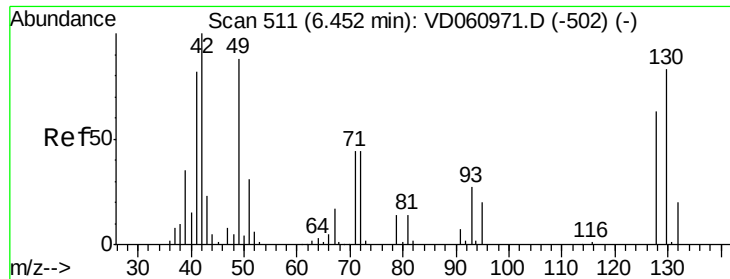
97 0.0 12.6 37.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#29

Tetrahydrofuran

Concen: 2.047 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Instrument :

MSVOA_D

ClientSampled :

TP-1-S

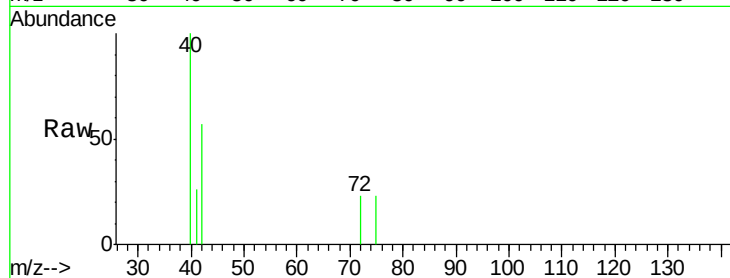
Tot Ion: 42 Resp: 1880

Ion Ratio Lower Upper

42 100

72 10.5 34.5 51.7#

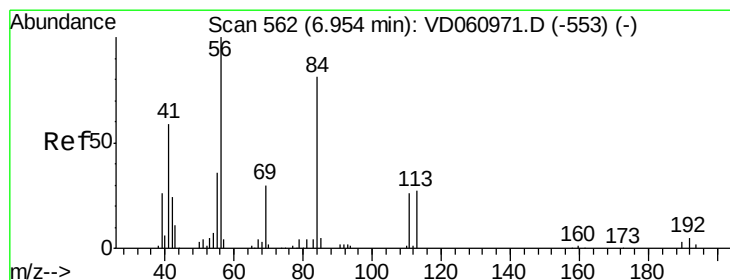
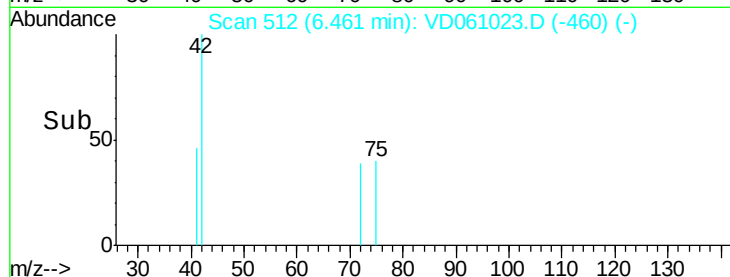
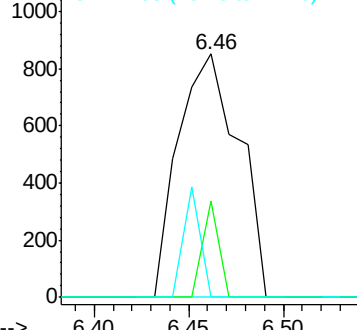
71 12.1 33.8 50.6#



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: 1.144 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

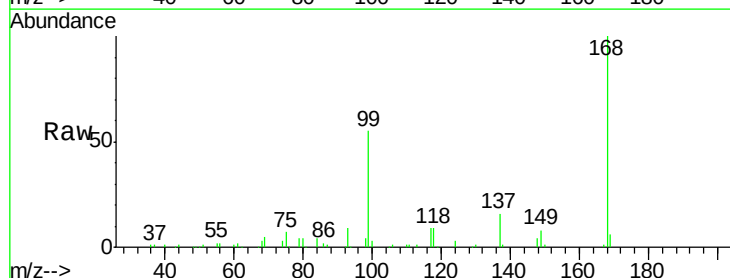
Tgt Ion: 56 Resp: 10556

Ion Ratio Lower Upper

56 100

69 273.8 24.0 36.0#

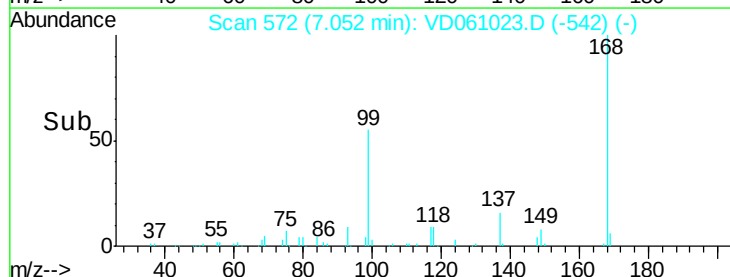
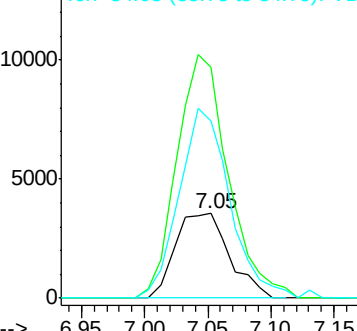
84 210.1 65.8 98.6#

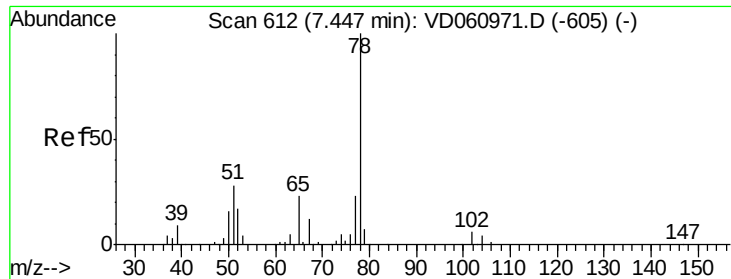


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

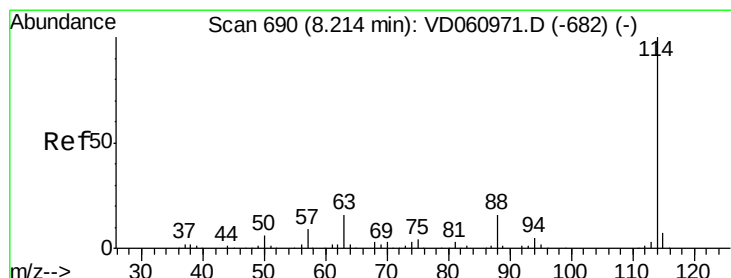
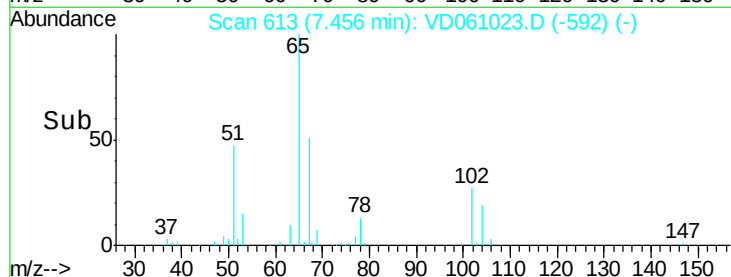
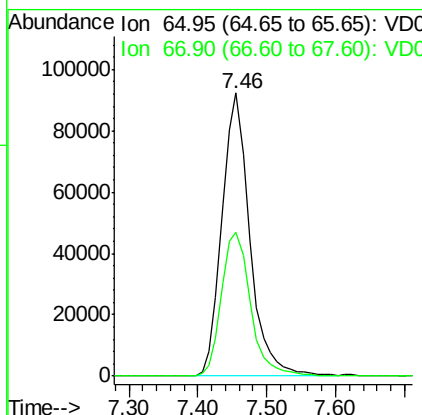
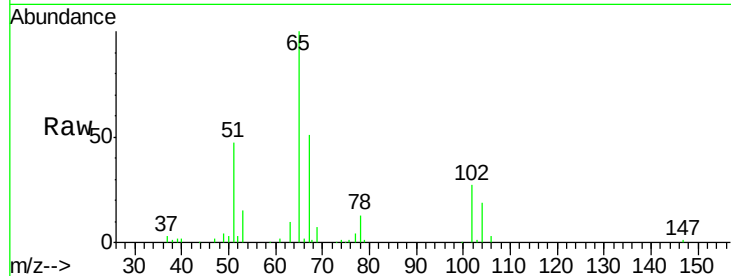




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061023.D
 Acq: 12 Mar 2019 14:47

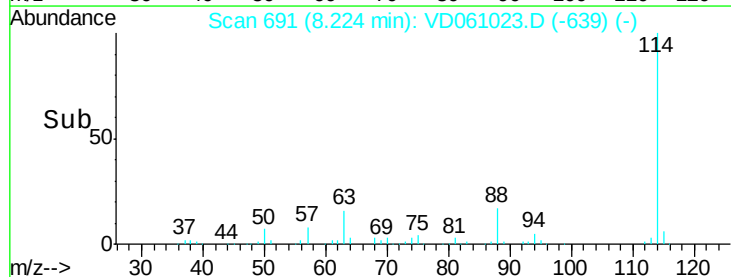
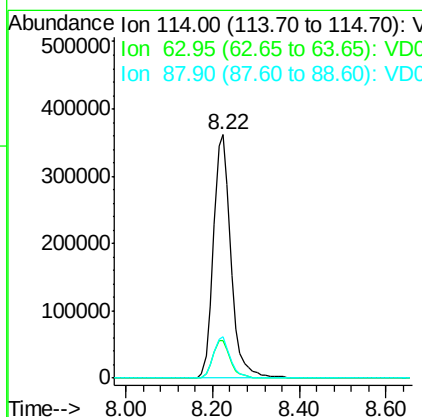
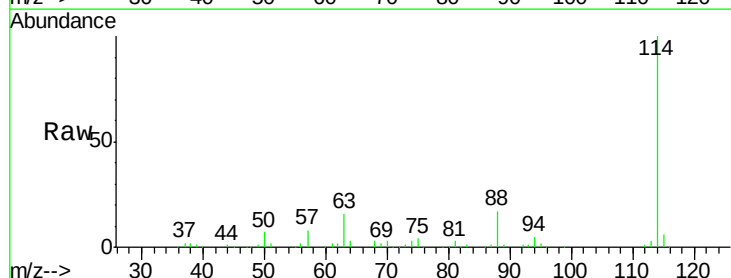
Instrument :
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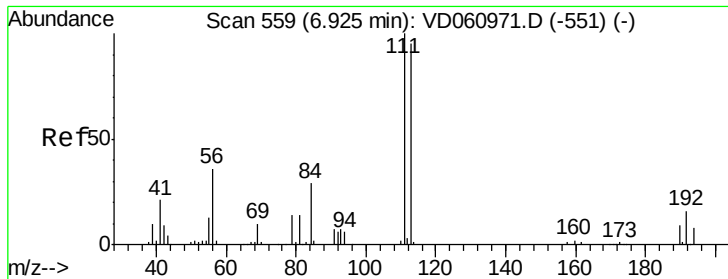
Tot Ion: 65 Resp: 259400
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061023.D
 Acq: 12 Mar 2019 14:47

Tgt Ion: 114 Resp: 1015807
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.4
 88 17.1 0.0 33.0

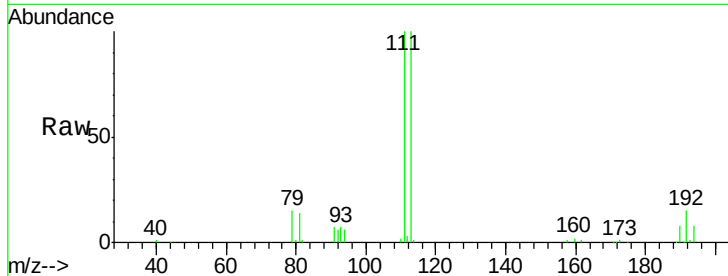




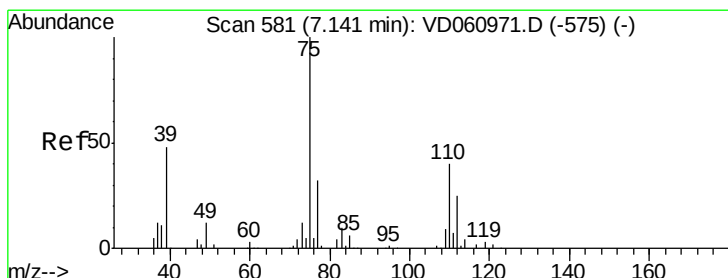
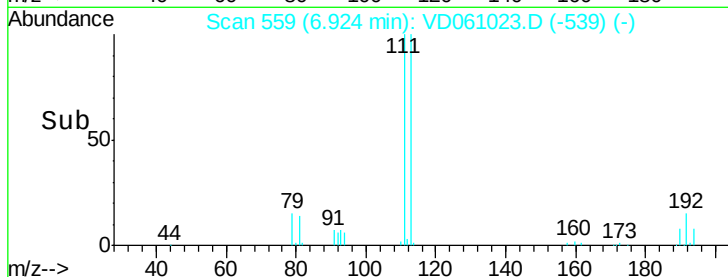
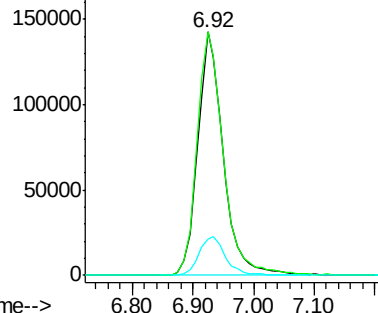
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.92 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD061023.D
Acq: 12 Mar 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S

Tot Ion:113 Resp: 416993
Ion Ratio Lower Upper
113 100
111 99.8 84.2 126.4
192 14.7 13.1 19.7

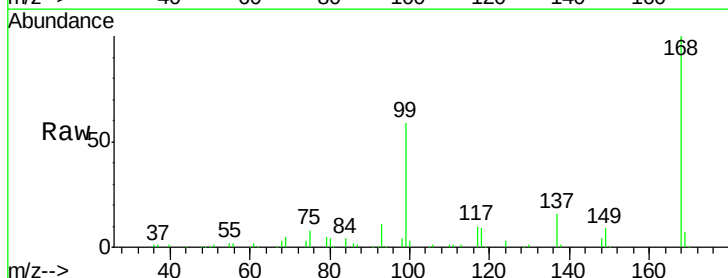


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

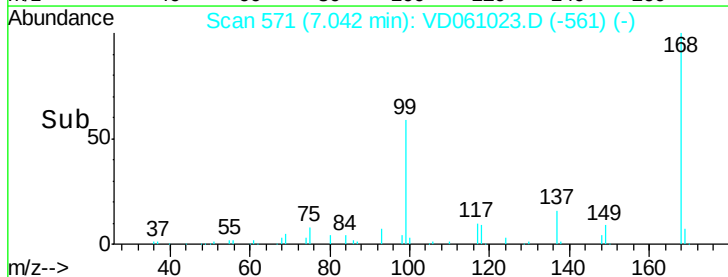
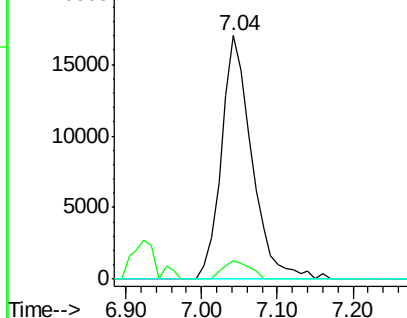


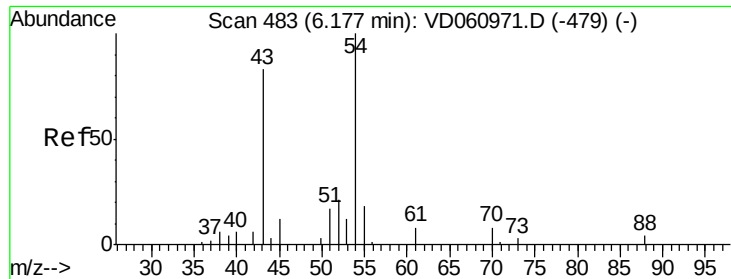
#36
1,1-Dichloropropene
Concen: 5.414 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD061023.D
Acq: 12 Mar 2019 14:47

Tgt Ion: 75 Resp: 47409
Ion Ratio Lower Upper
75 100
110 7.6 19.7 59.1#
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

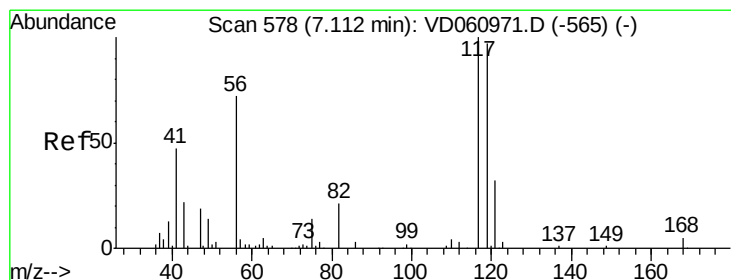
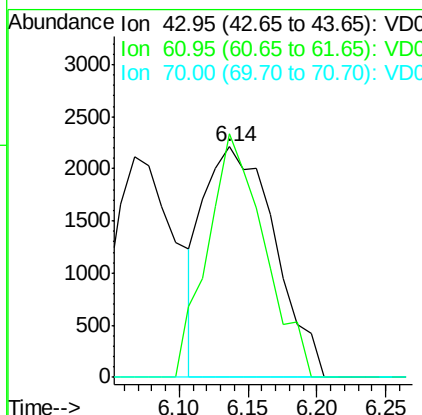
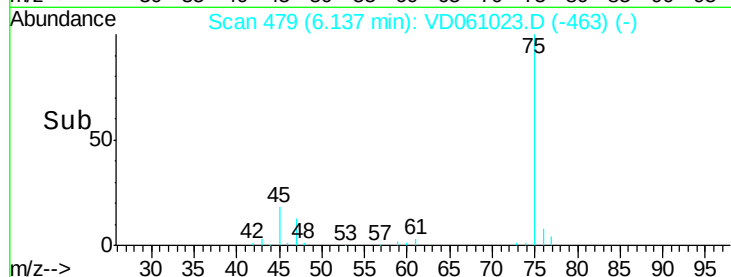
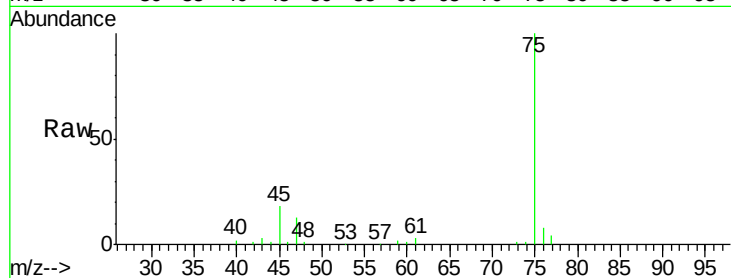




#37
Ethyl Acetate
Concen: 1.924 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.04 min
Lab File: VD061023.D
Acq: 12 Mar 2019 14:47

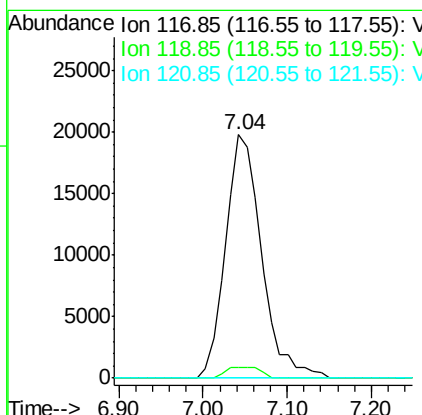
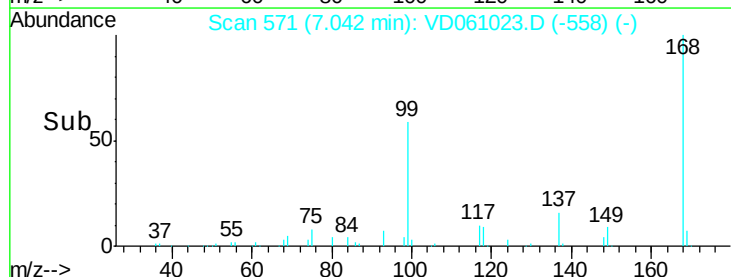
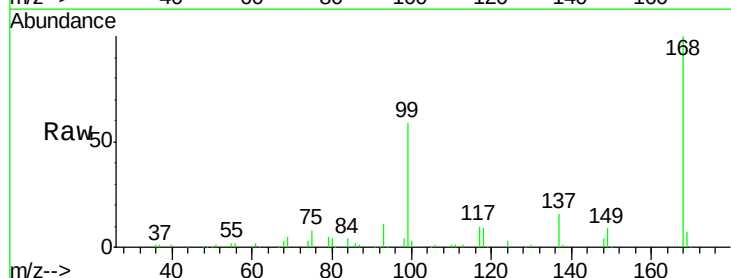
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S

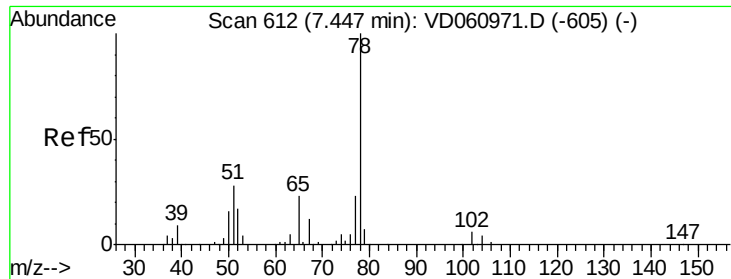
Tot Ion: 43 Resp: 7906
Ion Ratio Lower Upper
43 100
61 105.8 13.7 20.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.113 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061023.D
Acq: 12 Mar 2019 14:47

Tgt Ion: 117 Resp: 58957
Ion Ratio Lower Upper
117 100
119 4.1 77.8 116.8#
121 0.0 25.3 37.9#





#40

Benzene

Concen: 1.636 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

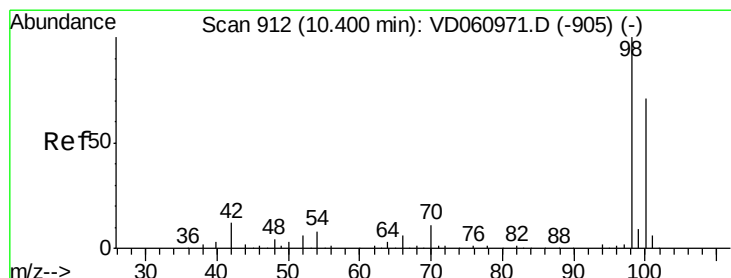
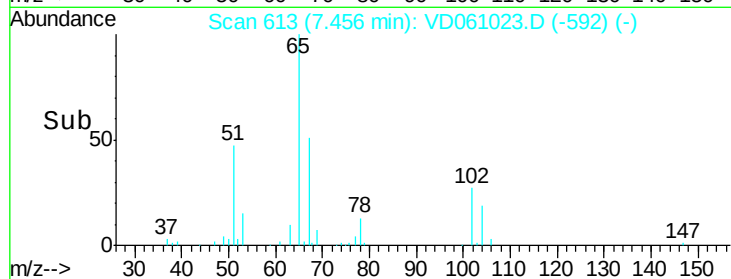
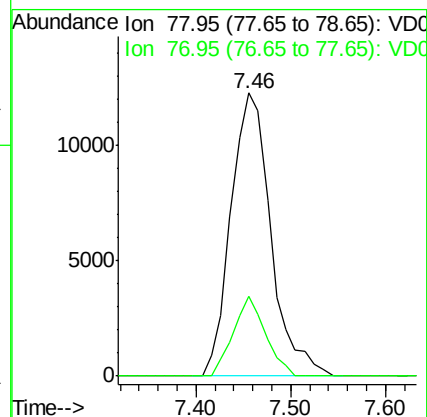
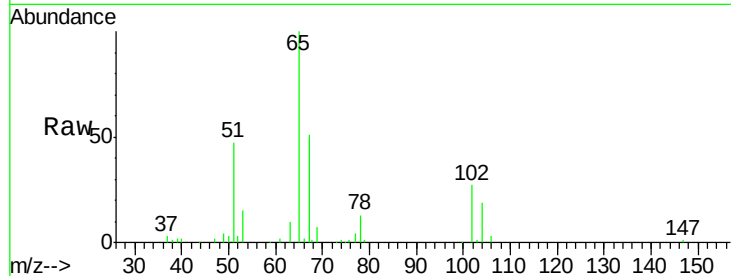
TP-1-S

Tot Ion: 78 Resp: 35800

Ion Ratio Lower Upper

78 100

77 28.2 18.8 28.2#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061023.D

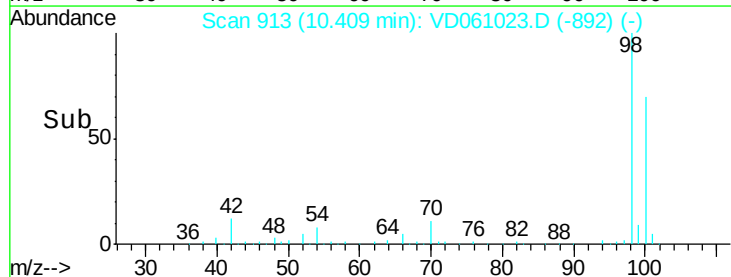
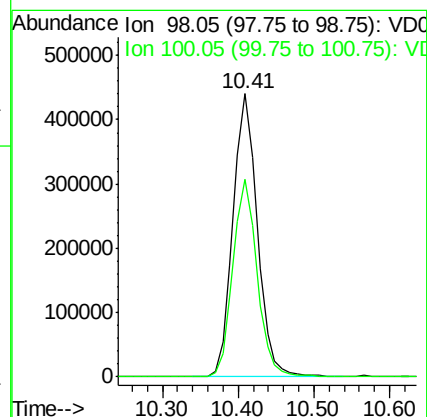
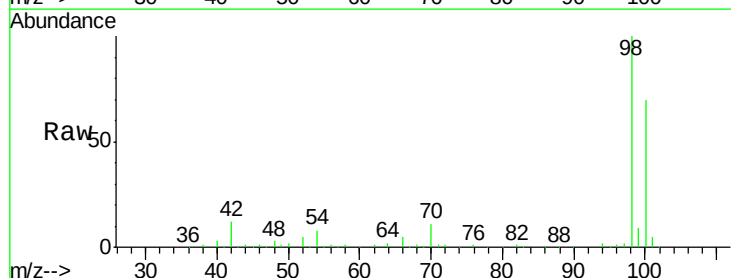
Acq: 12 Mar 2019 14:47

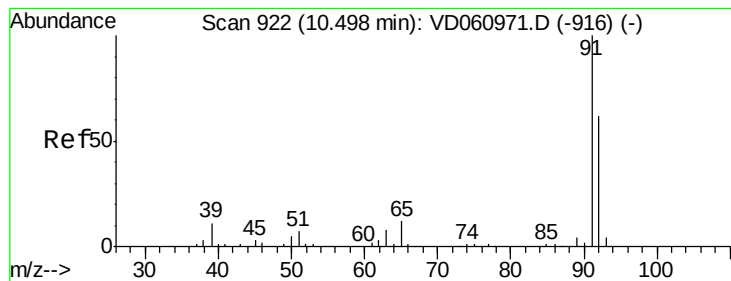
Tgt Ion: 98 Resp: 980571

Ion Ratio Lower Upper

98 100

100 69.8 57.4 86.2





#52

Toluene

Concen: 4.634 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

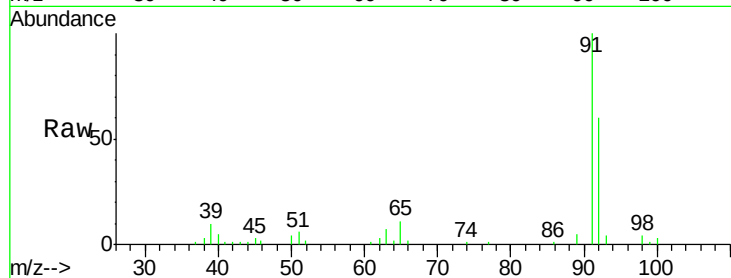
TP-1-S

Tot Ion: 92 Resp: 63044

Ion Ratio Lower Upper

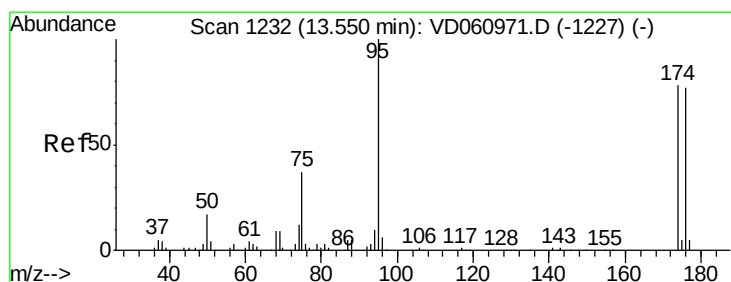
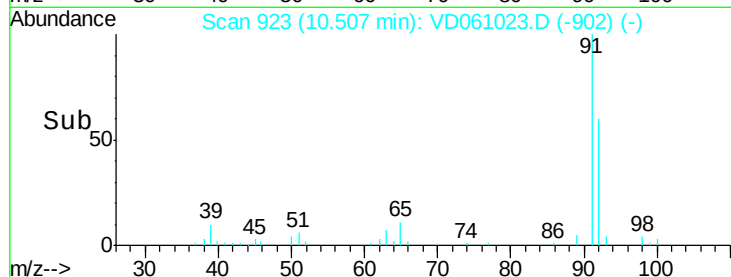
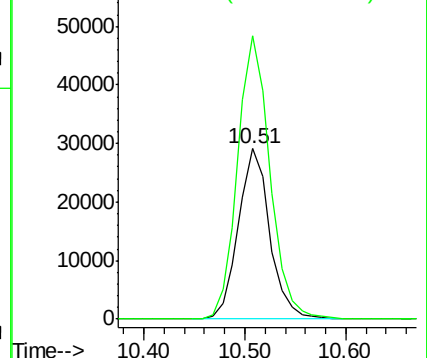
92 100

91 165.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

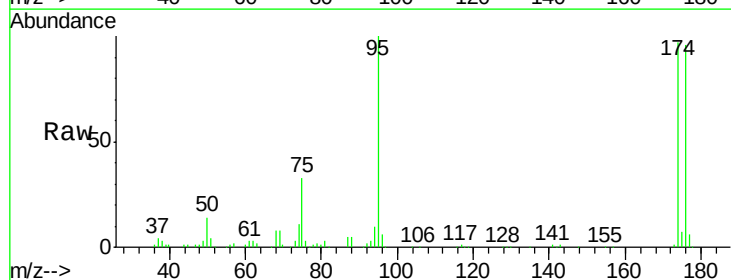
Tgt Ion: 95 Resp: 319223

Ion Ratio Lower Upper

95 100

174 96.9 0.0 155.6

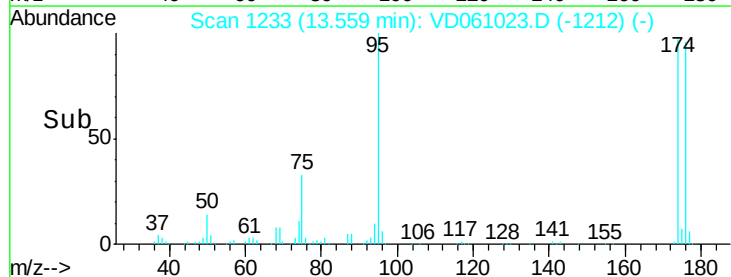
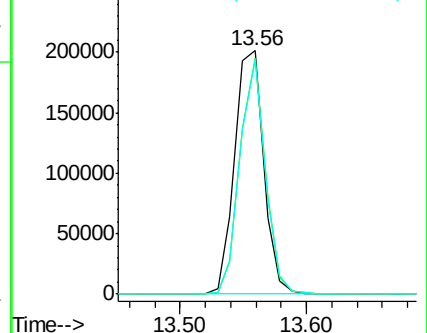
176 96.3 0.0 153.8

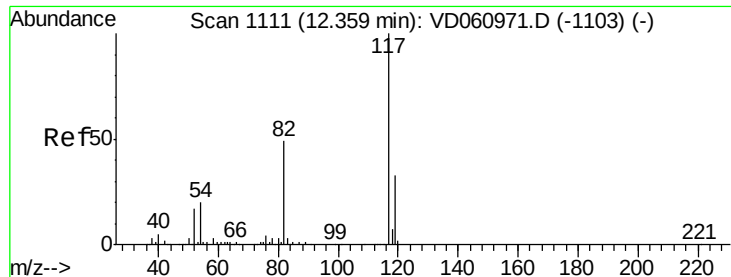


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

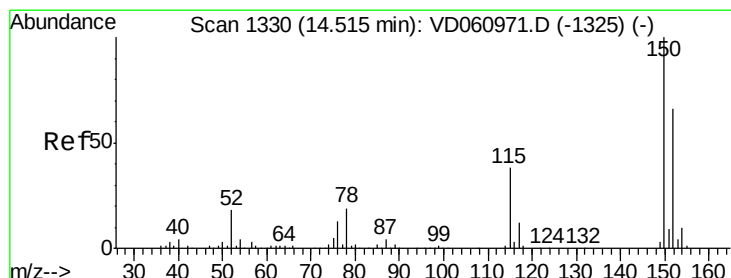
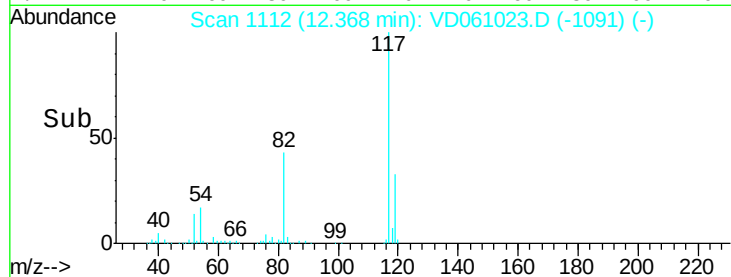
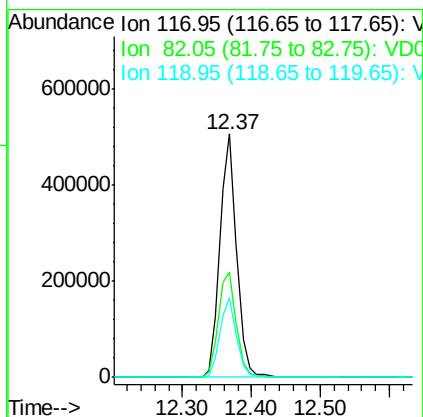
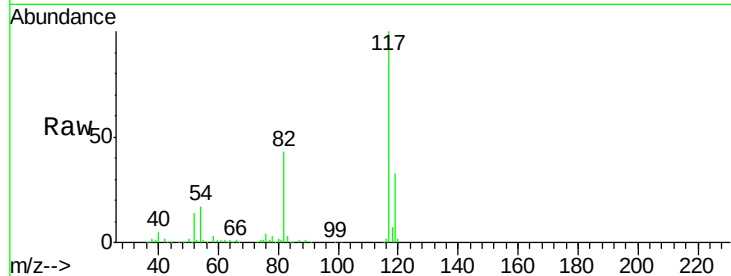




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061023.D
Acq: 12 Mar 2019 14:47

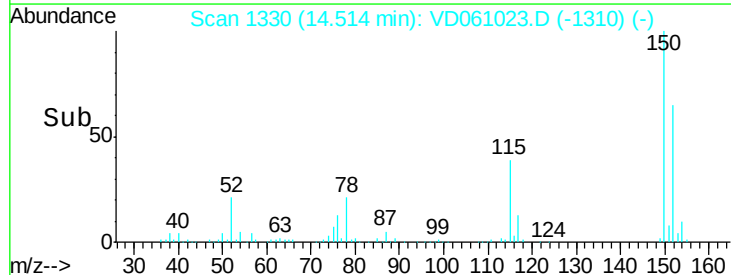
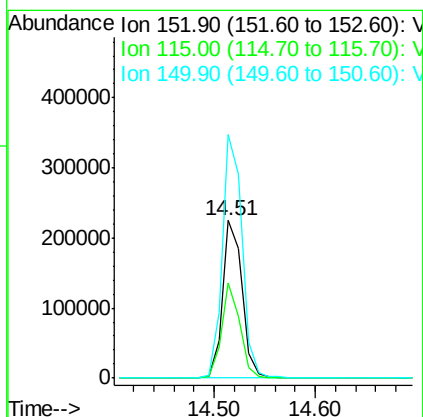
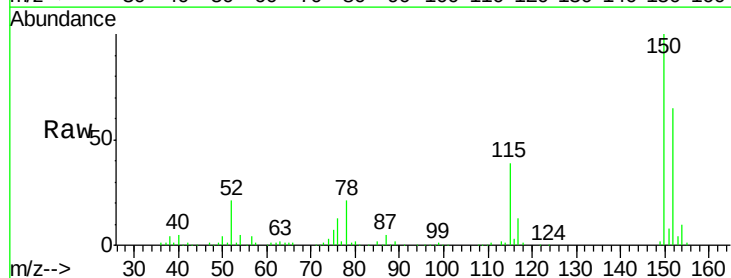
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S

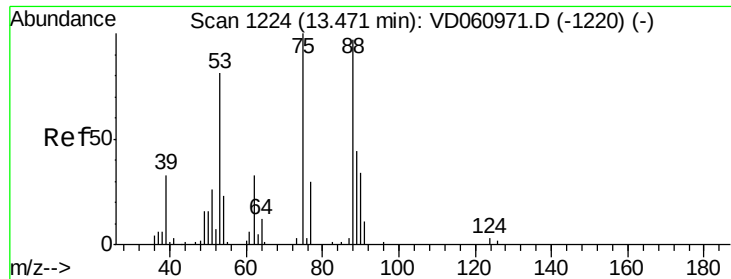
Tot Ion:117 Resp: 852091
Ion Ratio Lower Upper
117 100
82 43.3 38.9 58.3
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061023.D
Acq: 12 Mar 2019 14:47

Tgt Ion:152 Resp: 302378
Ion Ratio Lower Upper
152 100
115 60.1 28.6 85.9
150 154.7 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 89.736 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061023.D

Acq: 12 Mar 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

TP-1-S

Tot Ion: 75 Resp: 115090

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

