

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060026.D
 Acq On : 17 Sep 2018 17:30
 Operator : JC/SY
 Sample : J4773-09RE
 Misc : 6.43g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-ERE

Quant Time: Sep 18 04:40:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1226591	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1728894	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1252711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	522070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	489385	51.16	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	6.32	113	599711	44.40	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.80%	
50) Toluene-d8	9.45	98	1465495	39.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.30%	
62) 4-Bromofluorobenzene	12.42	95	534906	37.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.80%	

Target Compounds

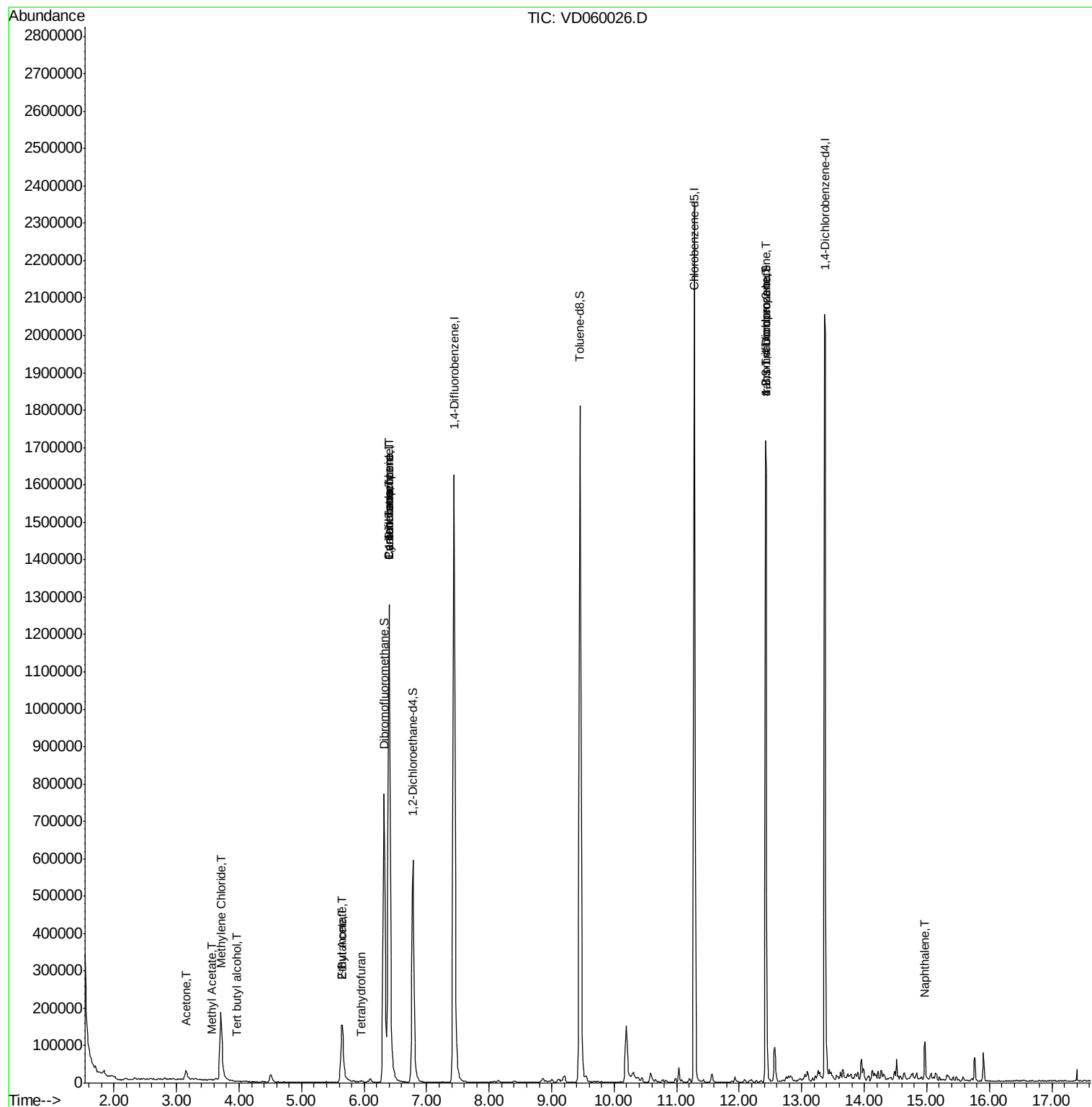
						Qvalue
11) Tert butyl alcohol	3.96	59	790	1.024	ug/l #	74
16) Acetone	3.15	43	55439	30.019	ug/l	98
18) Methyl Acetate	3.55	43	4214	1.122	ug/l #	64
20) Methylene Chloride	3.71	84	113024	1.628	ug/l	98
25) 2-Butanone	5.64	43	14835	2.977	ug/l #	90
29) Tetrahydrofuran	5.96	42	2756	1.031	ug/l #	48
31) Cyclohexane	6.40	56	24109	1.135	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	89659	5.221	ug/l #	46
37) Ethyl Acetate	5.64	43	14835	1.256	ug/l #	33
38) Carbon Tetrachloride	6.40	117	94630	5.903	ug/l #	16
51) 4-Methyl-2-Pentanone	9.33	43	1280	Below Cal	#	42
59) 2-Hexanone	10.43	43	8748	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	188723	23.669	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	221205	91.905	ug/l #	15
89) n-Butylbenzene	13.65	91	3004	Below Cal		87
91) 1,2-Dichlorobenzene	13.66	146	217	Below Cal	#	3
95) Naphthalene	14.97	128	63477	3.363	ug/l	96

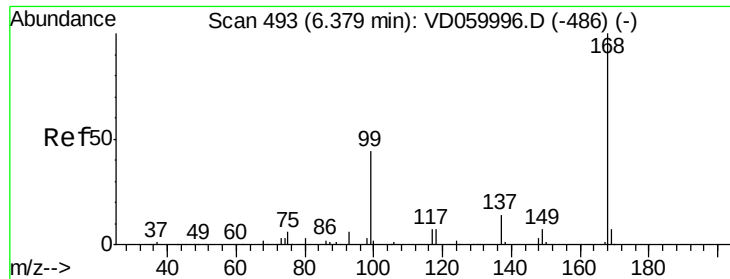
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

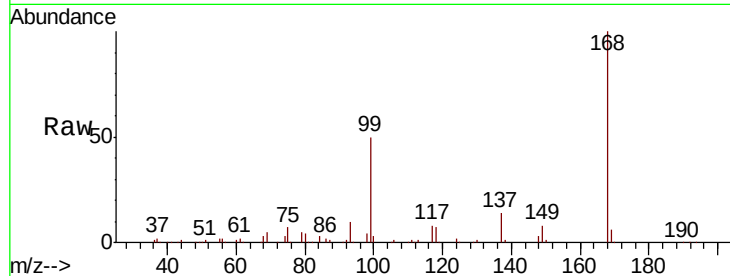
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-ERE

Tgt Ion:168 Resp: 1226591

Ion Ratio Lower Upper

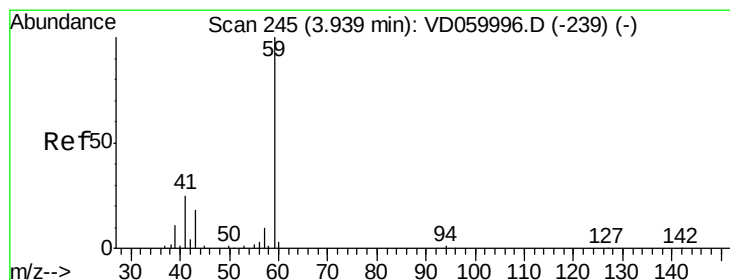
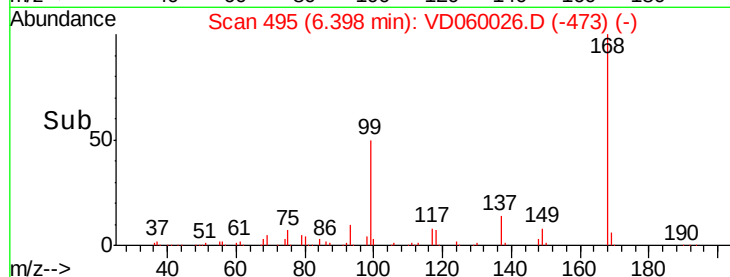
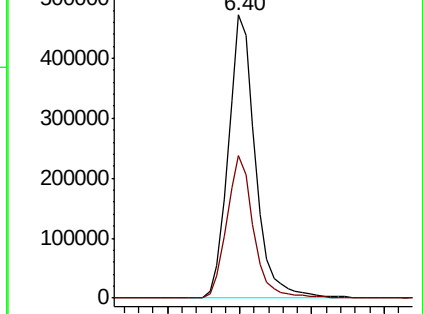
168 100

99 50.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.024 ug/l

RT: 3.96 min Scan# 247

Delta R.T. 0.02 min

Lab File: VD060026.D

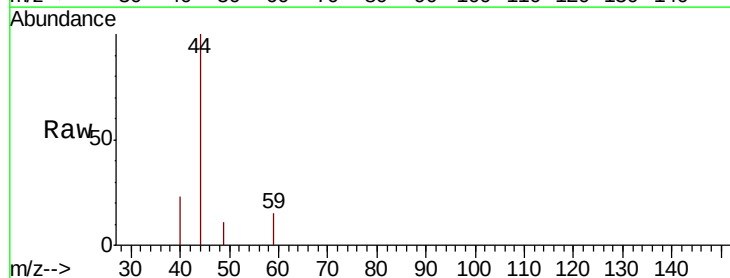
Acq: 17 Sep 2018 17:30

Tgt Ion: 59 Resp: 790

Ion Ratio Lower Upper

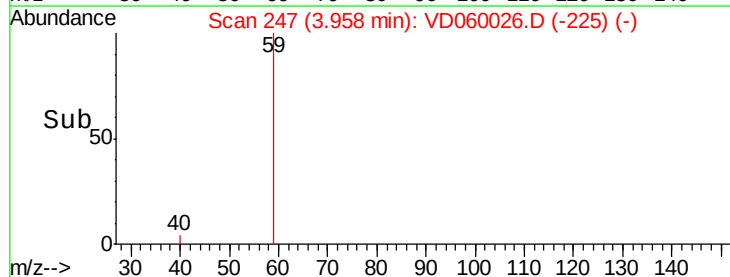
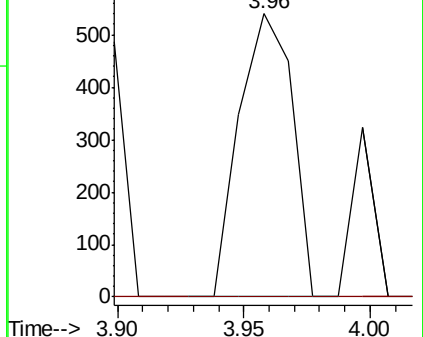
59 100

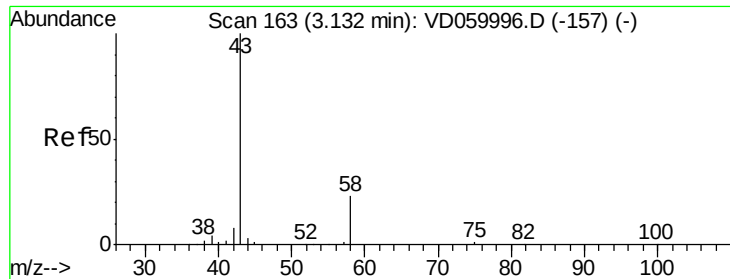
57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 30.019 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

Instrument :

MSVOA_D

ClientSampleId :

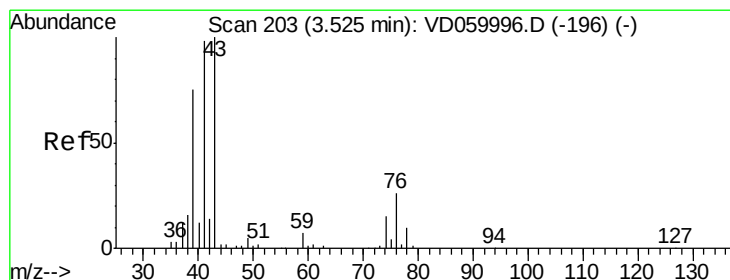
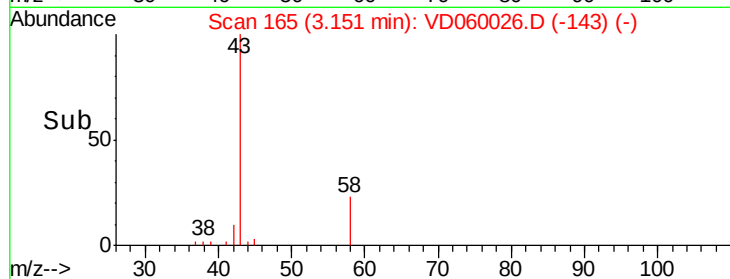
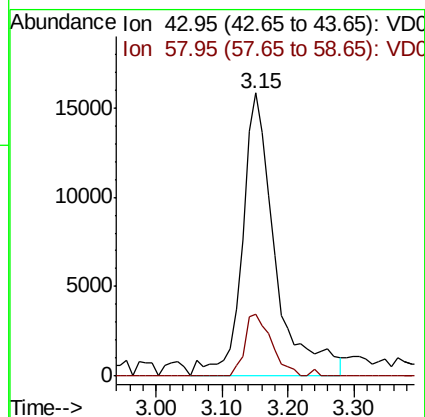
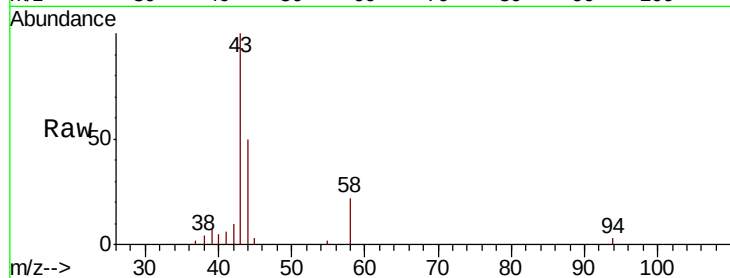
CL-01-091418-ERE

Tgt Ion: 43 Resp: 55439

Ion Ratio Lower Upper

43 100

58 21.8 18.1 27.1



#18

Methyl Acetate

Concen: 1.122 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.03 min

Lab File: VD060026.D

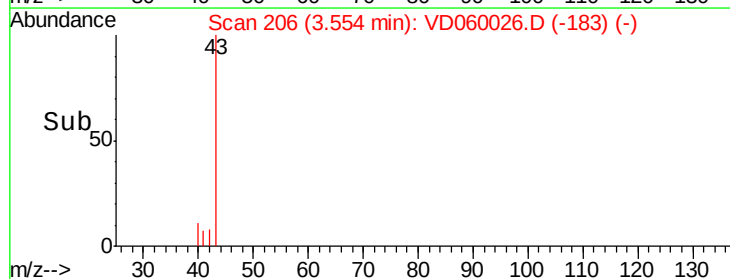
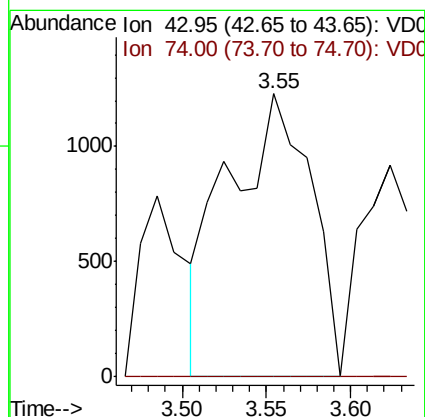
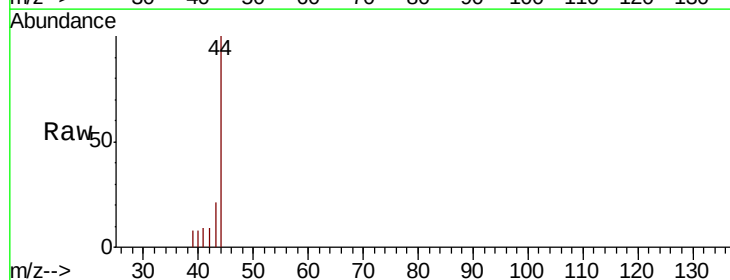
Acq: 17 Sep 2018 17:30

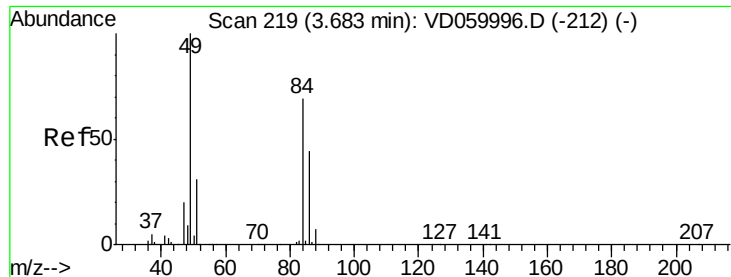
Tgt Ion: 43 Resp: 4214

Ion Ratio Lower Upper

43 100

74 0.0 11.8 17.8#

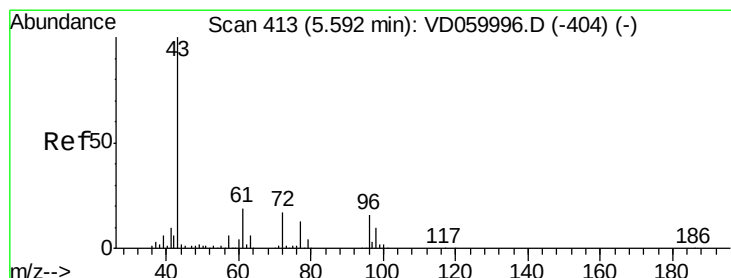
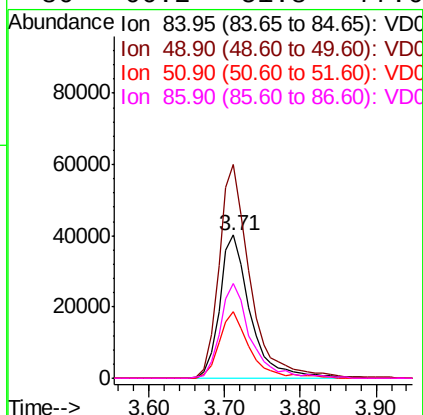
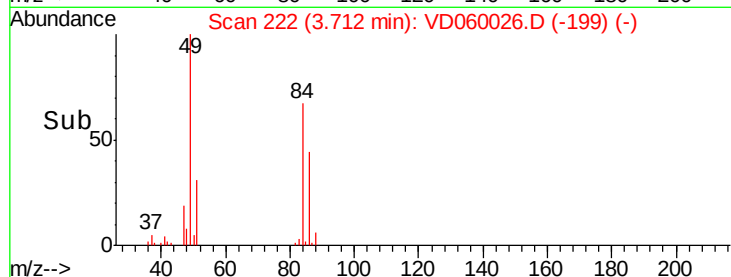
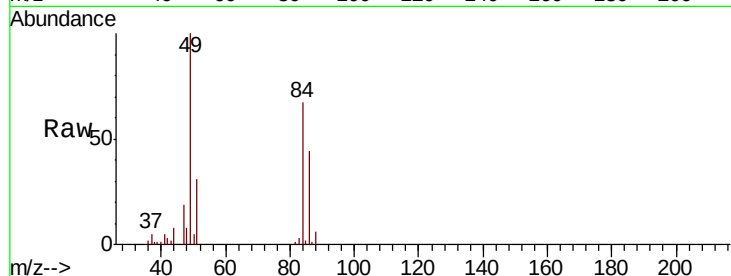




#20
Methylene Chloride
Concen: 1.628 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.03 min
Lab File: VD060026.D
Acq: 17 Sep 2018 17:30

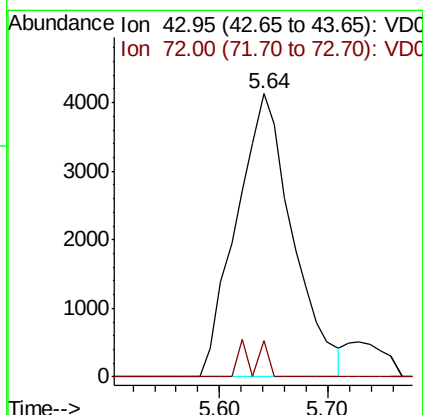
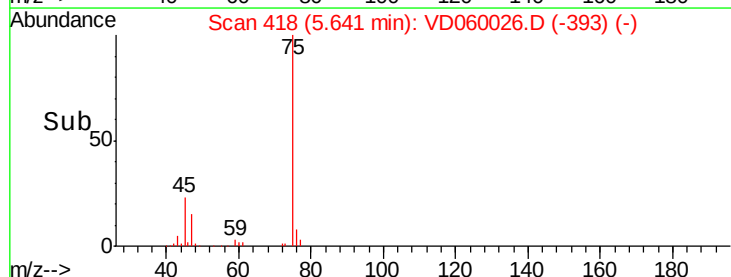
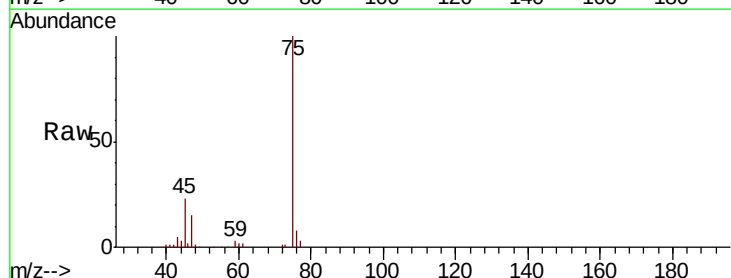
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-ERE

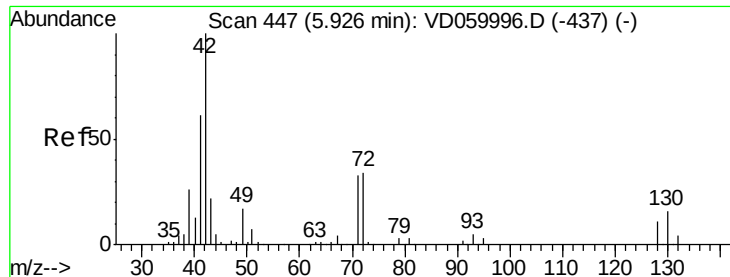
Tgt Ion: 84 Resp: 113024
Ion Ratio Lower Upper
84 100
49 149.2 116.6 175.0
51 46.1 35.9 53.9
86 66.2 51.8 77.6



#25
2-Butanone
Concen: 2.977 ug/l
RT: 5.64 min Scan# 418
Delta R.T. 0.05 min
Lab File: VD060026.D
Acq: 17 Sep 2018 17:30

Tgt Ion: 43 Resp: 14835
Ion Ratio Lower Upper
43 100
72 12.6 13.6 20.4#





#29

Tetrahydrofuran

Concen: 1.031 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091418-ERE

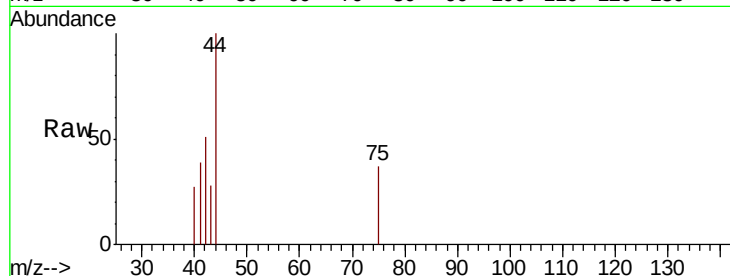
Tgt Ion: 42 Resp: 2756

Ion Ratio Lower Upper

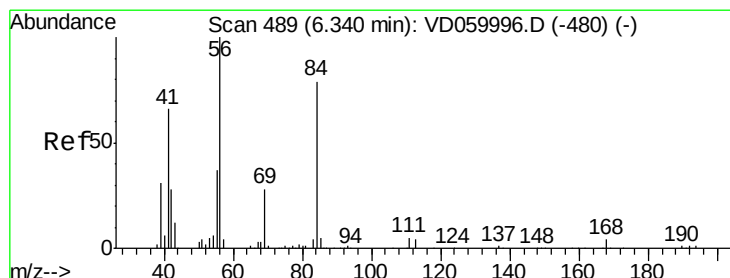
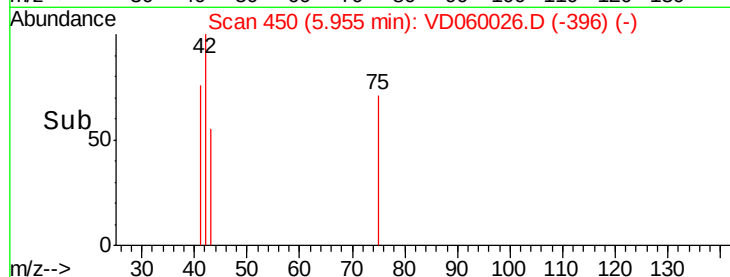
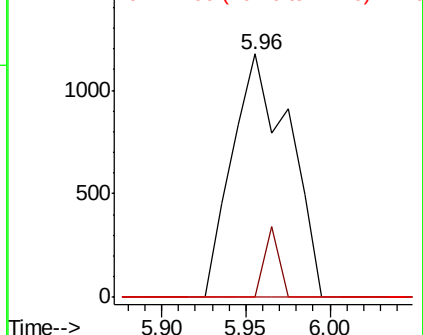
42 100

72 7.3 26.9 40.3#

71 0.0 26.2 39.4#



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: 1.135 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

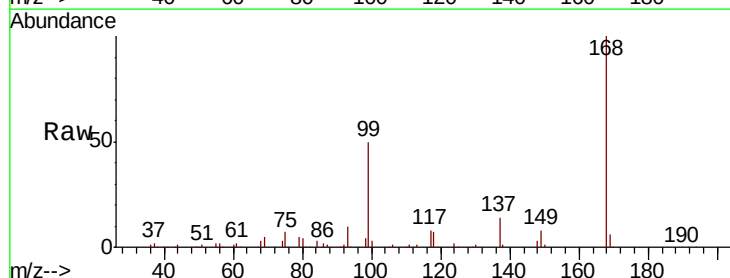
Tgt Ion: 56 Resp: 24109

Ion Ratio Lower Upper

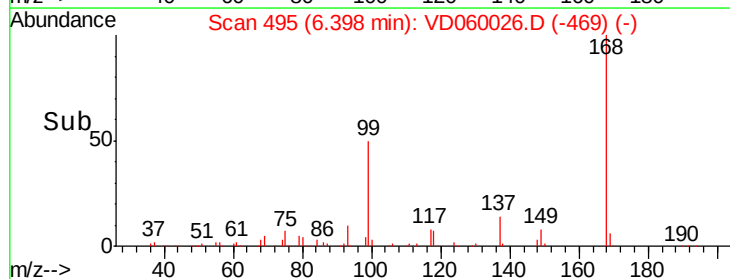
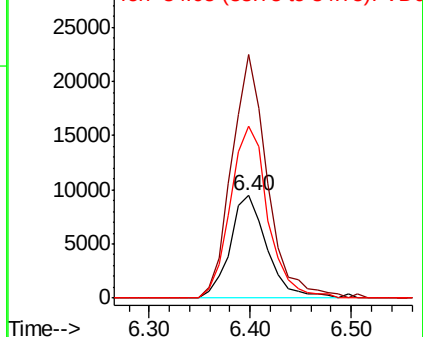
56 100

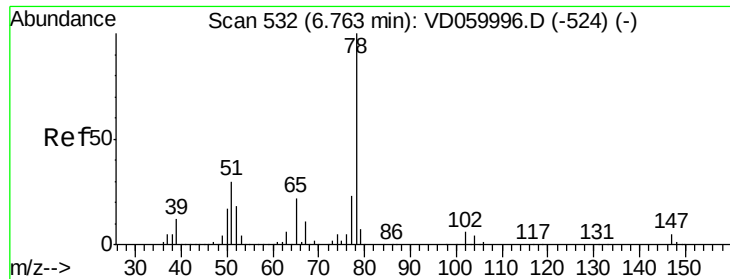
69 237.5 22.7 34.1#

84 167.9 64.0 96.0#



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

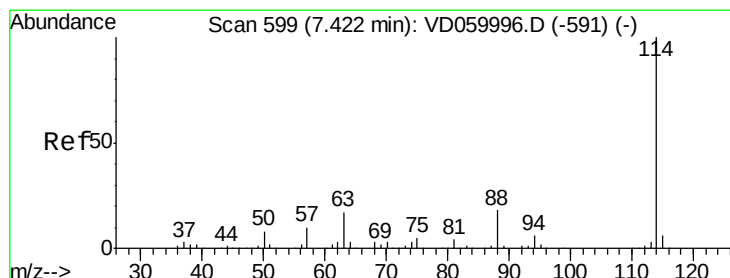
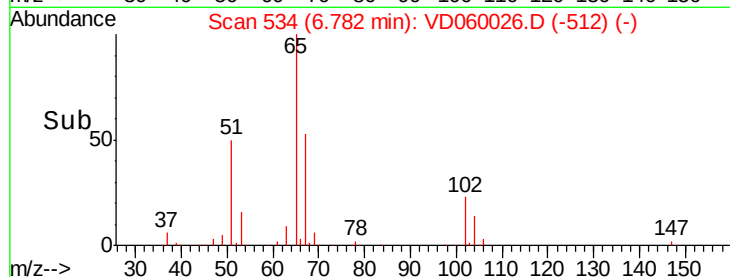
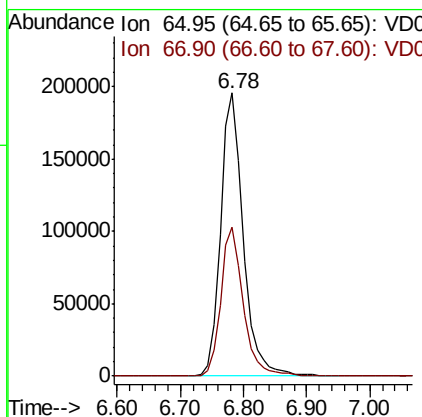
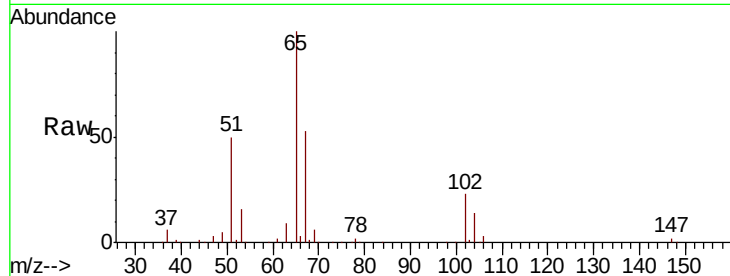




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060026.D
 Acq: 17 Sep 2018 17:30

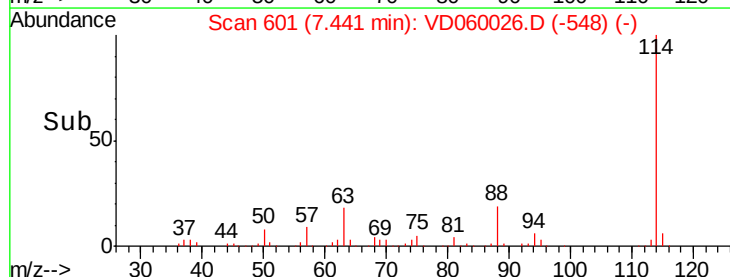
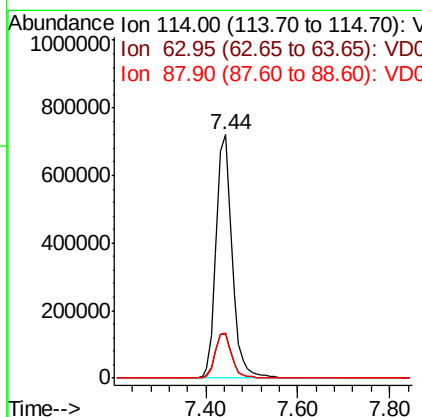
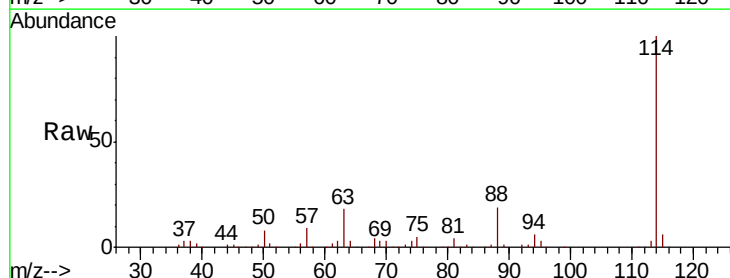
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-ERE

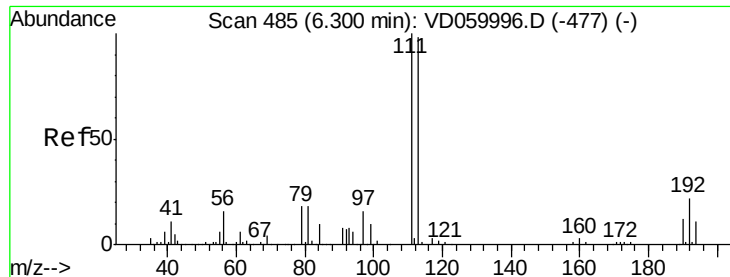
Tgt Ion: 65 Resp: 489385
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060026.D
 Acq: 17 Sep 2018 17:30

Tgt Ion: 114 Resp: 1728894
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.4
 88 18.5 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091418-ERE

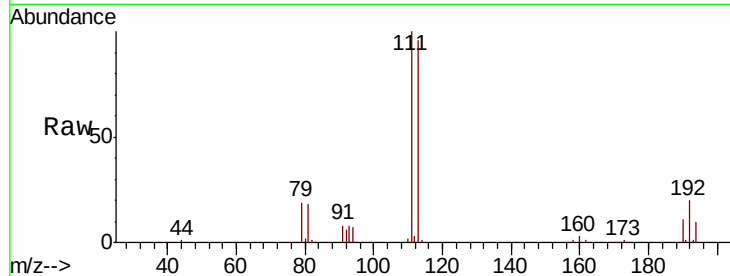
Tgt Ion:113 Resp: 599711

Ion Ratio Lower Upper

113 100

111 104.1 81.3 121.9

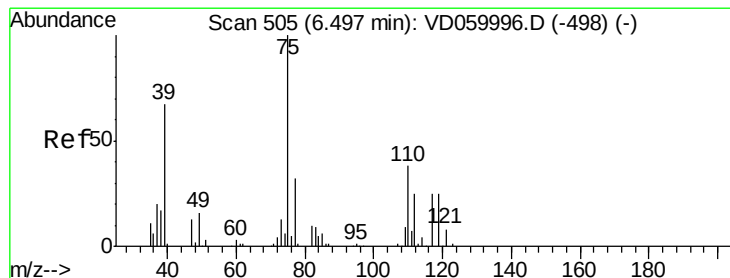
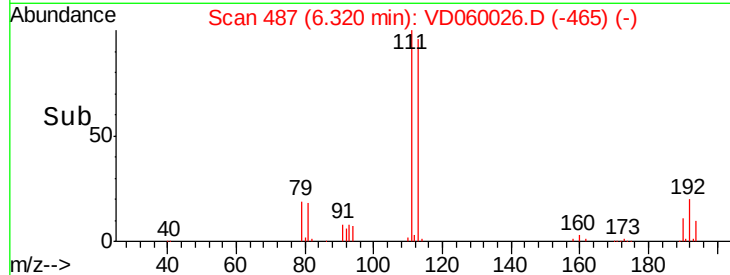
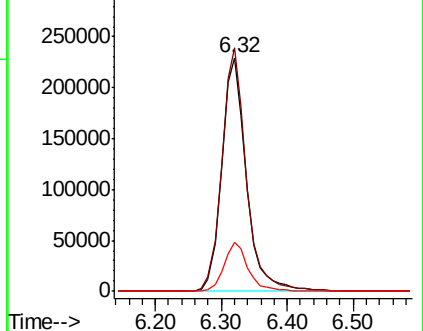
192 20.8 18.1 27.1



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: 5.221 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

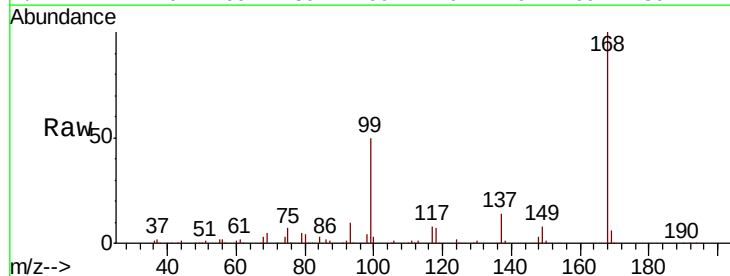
Tgt Ion: 75 Resp: 89659

Ion Ratio Lower Upper

75 100

110 6.5 18.9 56.9#

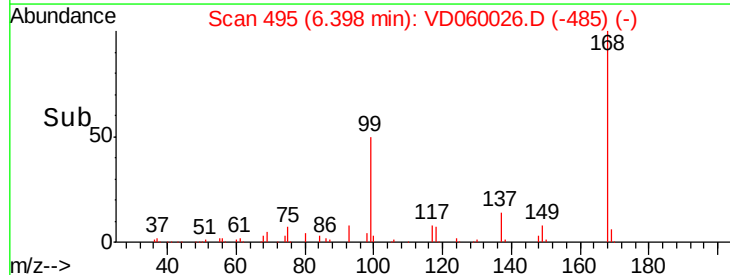
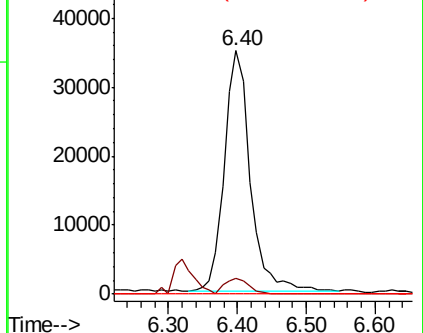
77 0.0 25.3 37.9#

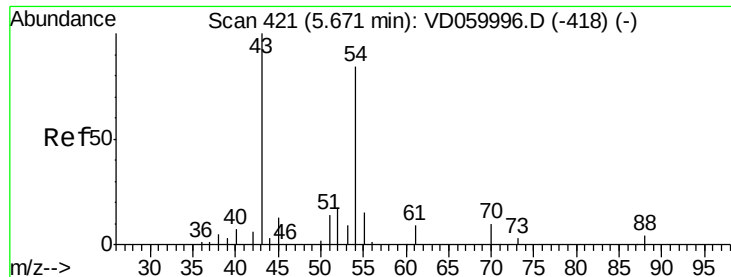


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

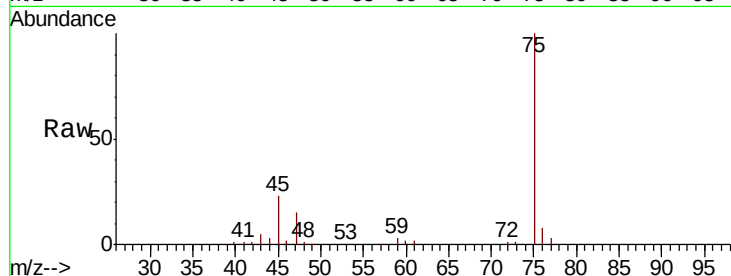




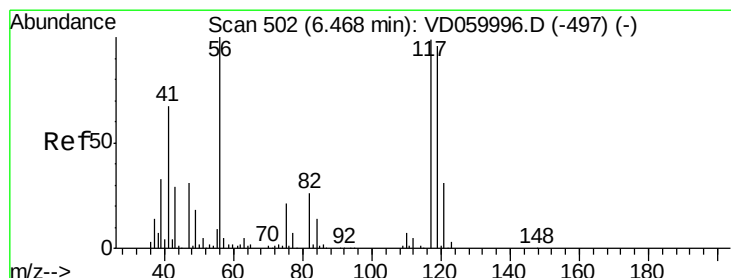
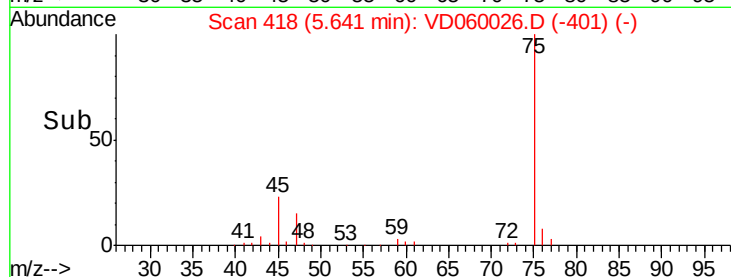
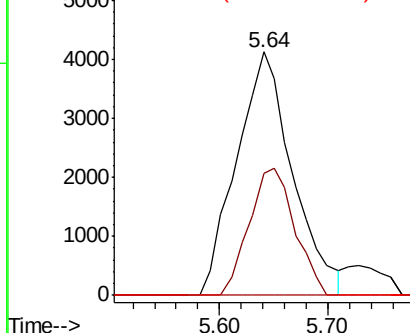
#37
Ethyl Acetate
 Concen: 1.256 ug/l
 RT: 5.64 min Scan# 418
 Delta R.T. -0.03 min
 Lab File: VD060026.D
 Acq: 17 Sep 2018 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-ERE

Tgt Ion: 43 Resp: 14835
 Ion Ratio Lower Upper
 43 100
 61 49.9 10.2 15.2#
 70 0.0 6.1 9.1#

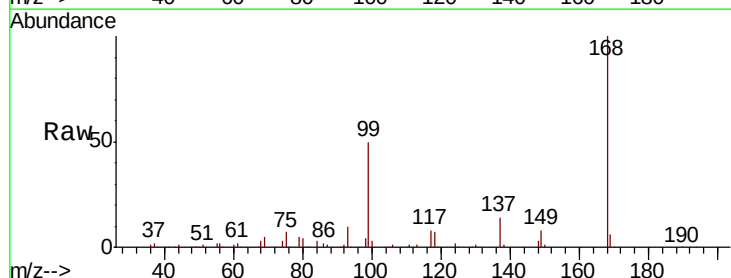


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

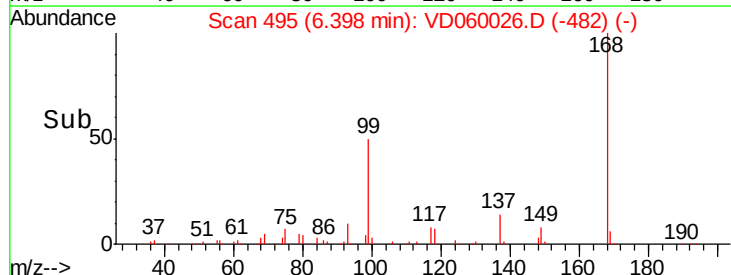
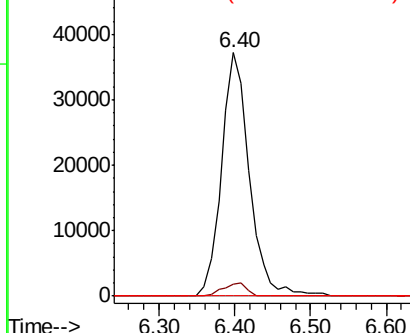


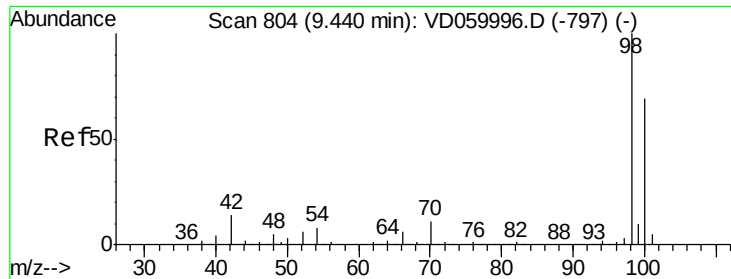
#38
Carbon Tetrachloride
 Concen: 5.903 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.07 min
 Lab File: VD060026.D
 Acq: 17 Sep 2018 17:30

Tgt Ion: 117 Resp: 94630
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.7 115.1#
 121 0.0 24.9 37.3#



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

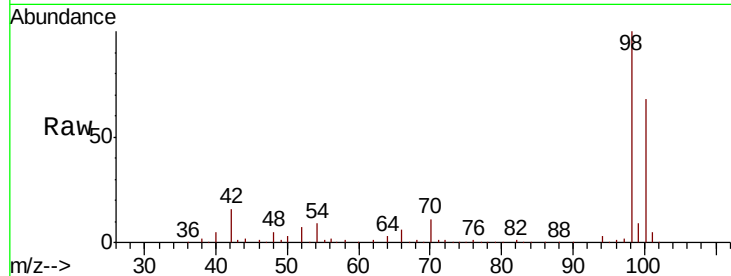




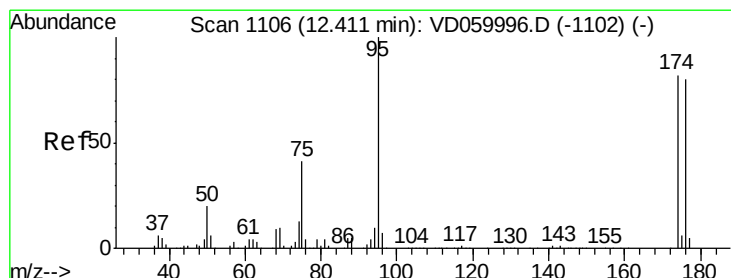
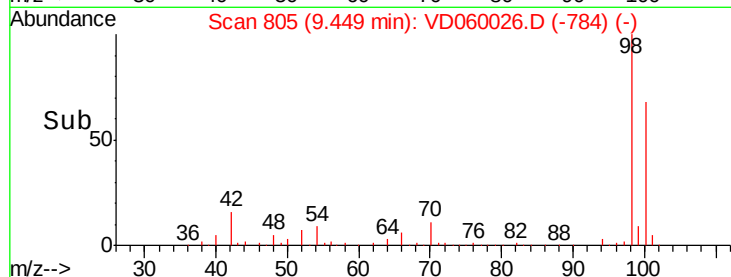
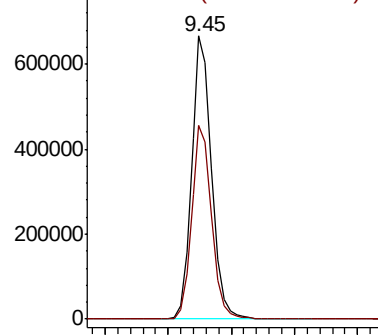
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060026.D
Acq: 17 Sep 2018 17:30

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-ERE

Tgt Ion: 98 Resp: 1465495
Ion Ratio Lower Upper
98 100
100 68.4 55.8 83.6

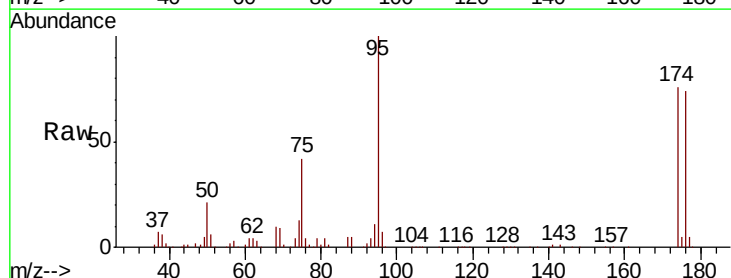


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

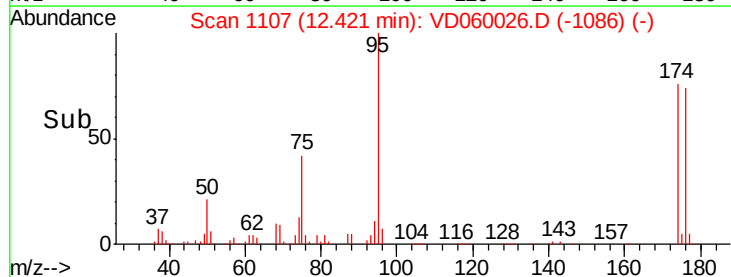
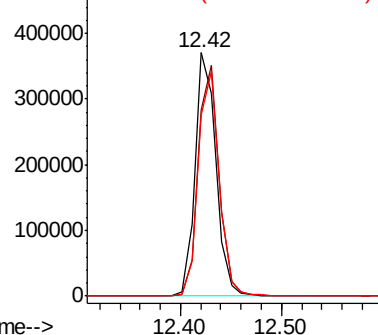


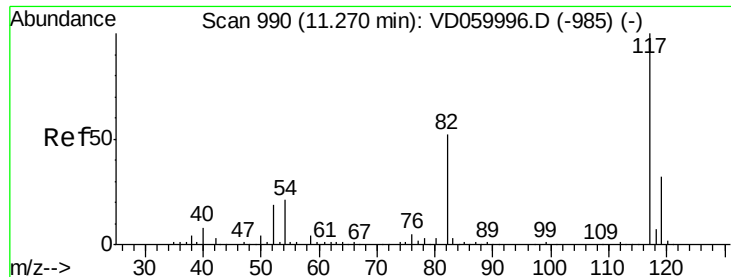
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD060026.D
Acq: 17 Sep 2018 17:30

Tgt Ion: 95 Resp: 534906
Ion Ratio Lower Upper
95 100
174 76.3 0.0 165.0
176 74.4 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

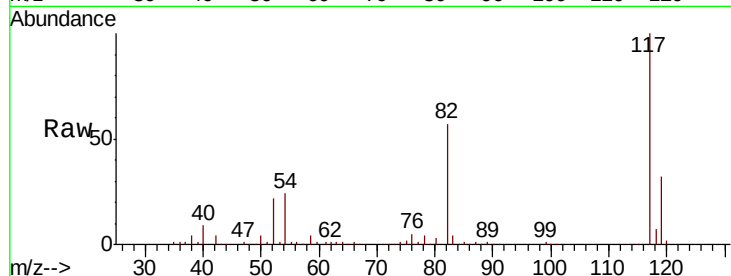




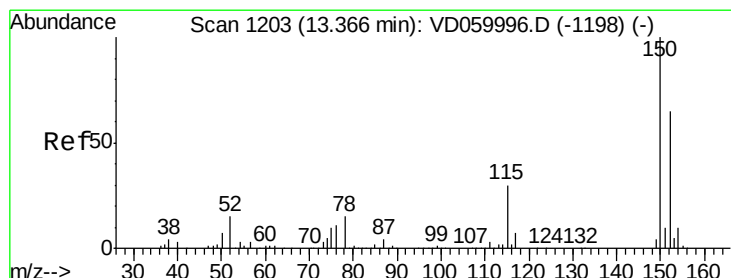
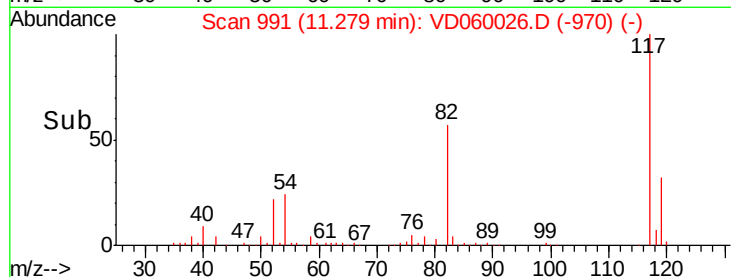
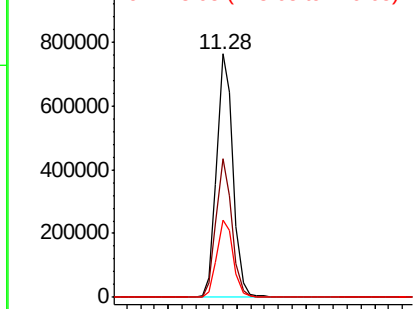
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060026.D
Acq: 17 Sep 2018 17:30

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-ERE

Tgt Ion:117 Resp: 1252711
Ion Ratio Lower Upper
117 100
82 56.9 41.7 62.5
119 31.6 26.0 39.0

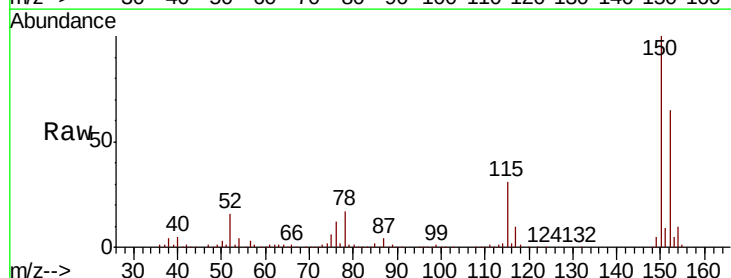


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

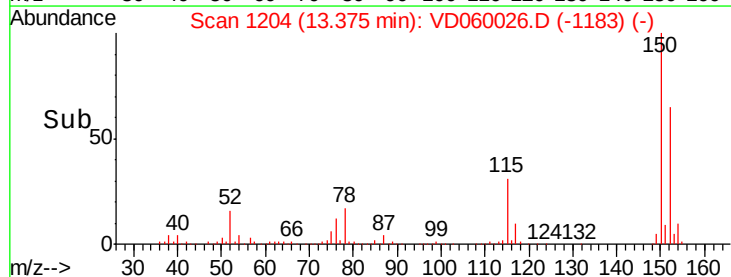
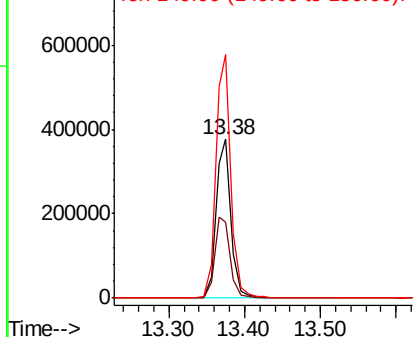


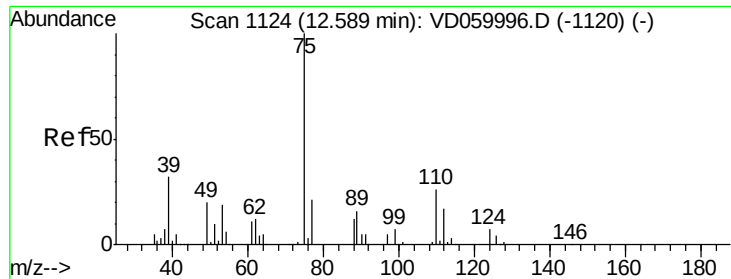
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060026.D
Acq: 17 Sep 2018 17:30

Tgt Ion:152 Resp: 522070
Ion Ratio Lower Upper
152 100
115 47.7 24.6 73.8
150 153.3 0.0 313.4



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





#76

1,2,3-Trichloropropane

Concen: 23.669 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

Instrument :

MSVOA_D

ClientSampleId :

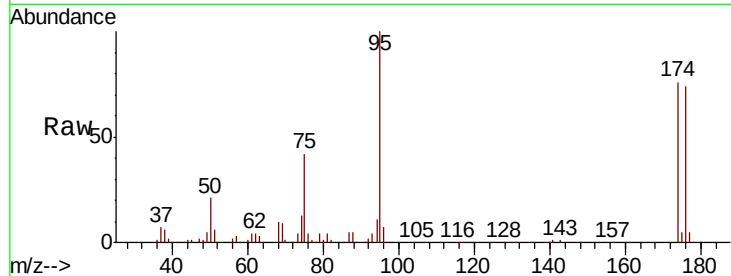
CL-01-091418-ERE

Tgt Ion: 75 Resp: 188723

Ion Ratio Lower Upper

75 100

77 1.3 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.42

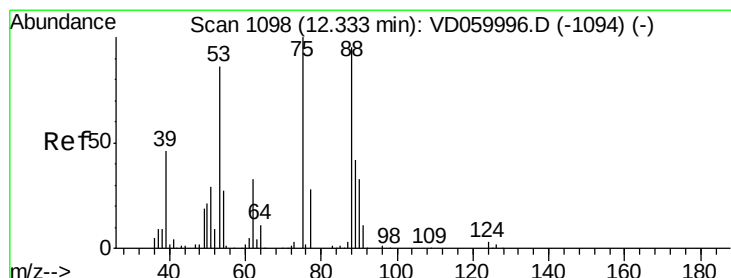
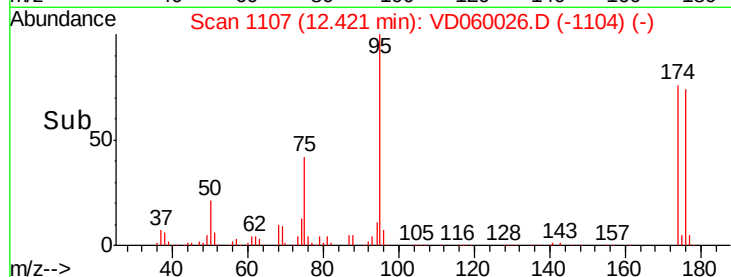
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 91.905 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060026.D

Acq: 17 Sep 2018 17:30

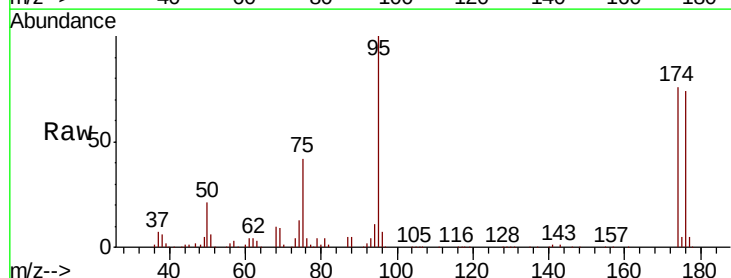
Tgt Ion: 75 Resp: 221205

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

12.42

200000

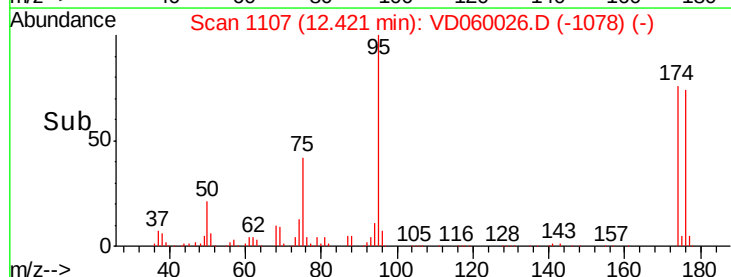
150000

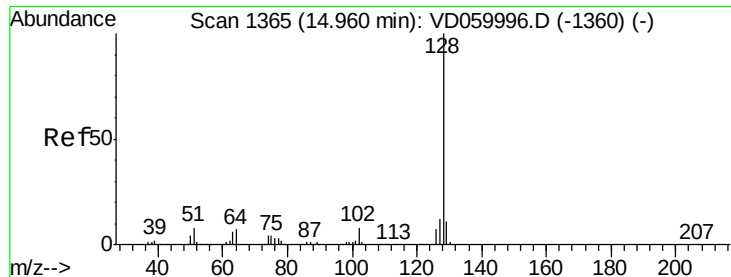
100000

50000

0

Time-->

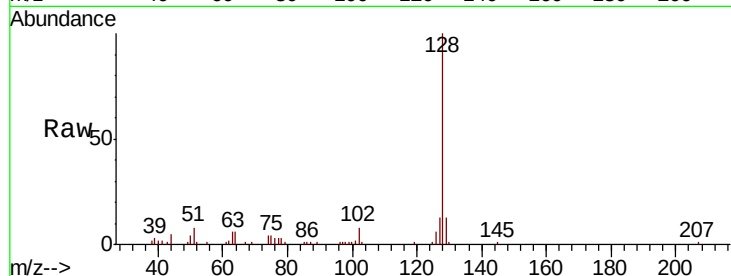




#95
Naphthalene
Concen: 3.363 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060026.D
Acq: 17 Sep 2018 17:30

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-ERE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.7	14.5
129	13.1	8.9	13.3



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

