

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066266.D
 Acq On : 17 Aug 2020 19:04
 Operator : VA/SY
 Sample : L3691-02RE
 Misc : 8.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S603-M-SO-1-1.5-081320-FDRE

Quant Time: Aug 18 07:54:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

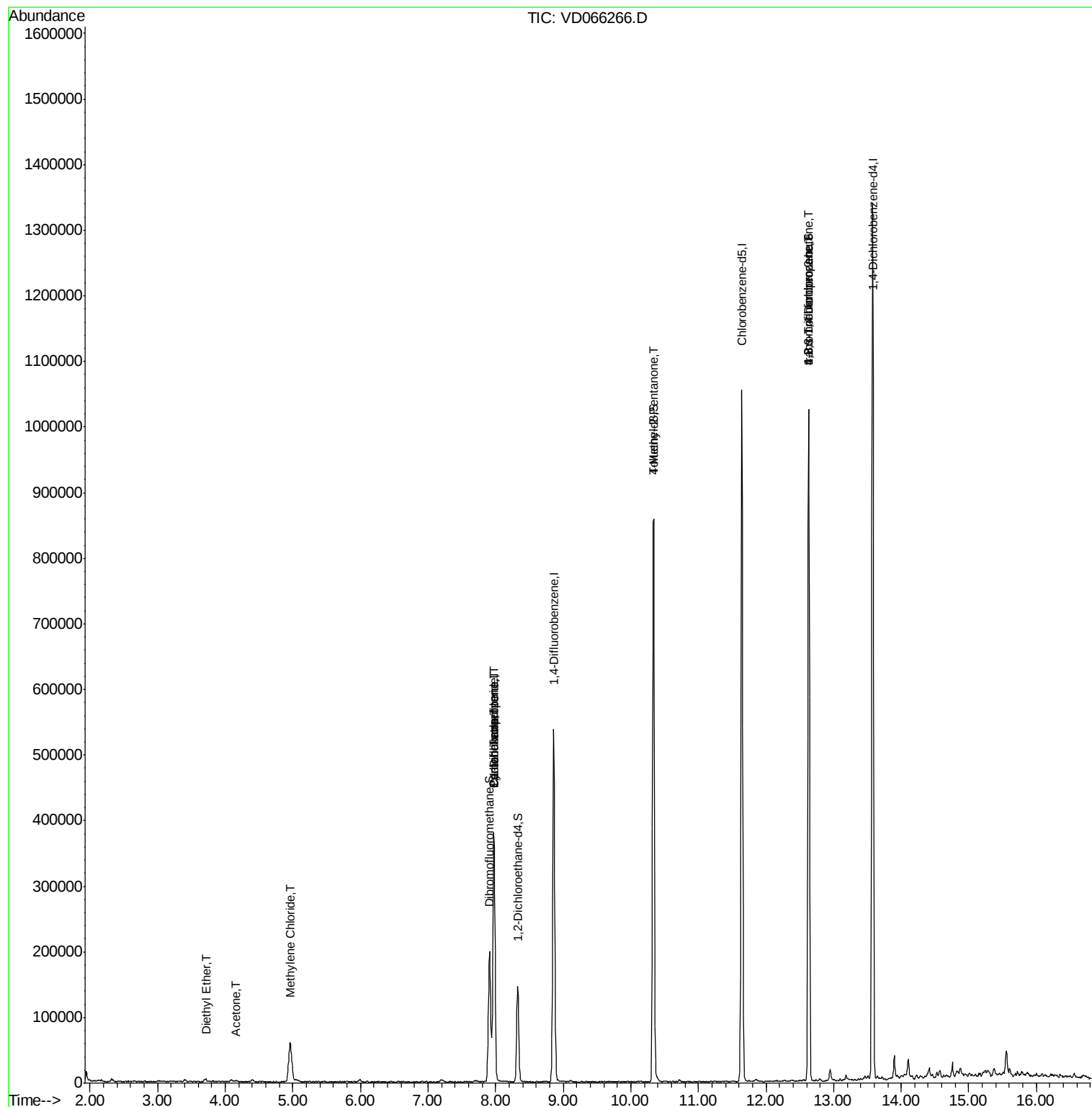
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	296871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	473188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	619871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	365711	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	117727	44.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.90%	
35) Dibromofluoromethane	7.91	113	143323	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
50) Toluene-d8	10.34	98	597173	53.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.63	95	318891	79.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	159.96%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.71	74	2230	1.683	ug/l	99
11) Tert butyl alcohol	5.21	59	148	Below Cal	#	76
16) Acetone	4.16	43	3674	7.311	ug/l #	84
20) Methylene Chloride	4.96	84	47123	12.863	ug/l	98
31) Cyclohexane	7.97	56	6015	1.296	ug/l #	2
36) 1,1-Dichloropropene	7.97	75	19301	4.341	ug/l #	50
38) Carbon Tetrachloride	7.97	117	27059	5.457	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	3011	1.689	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	159797	52.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	159797	115.825	ug/l #	13

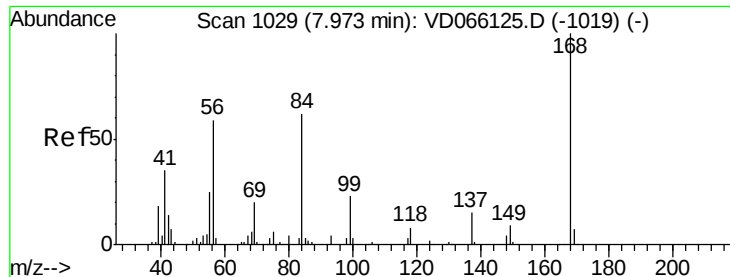
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066266.D

Acq: 17 Aug 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

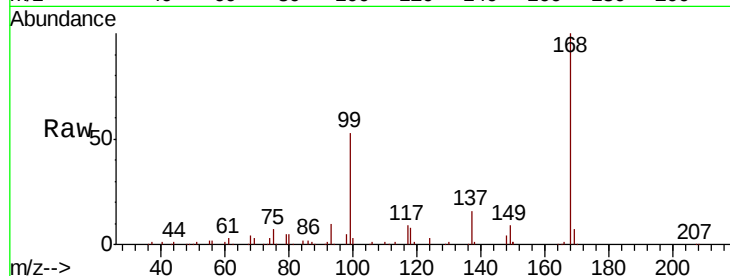
S603-M-SO-1-1.5-081320-FDRE

Tot Ion:168 Resp: 296871

Ion Ratio Lower Upper

168 100

99 53.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

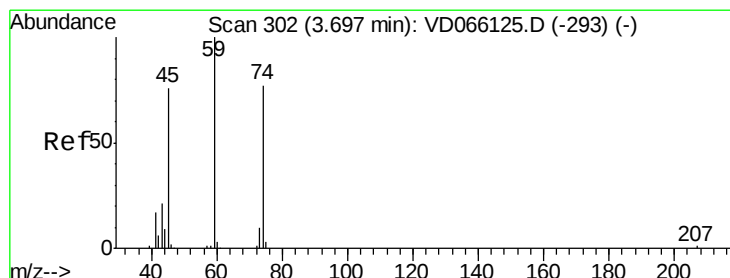
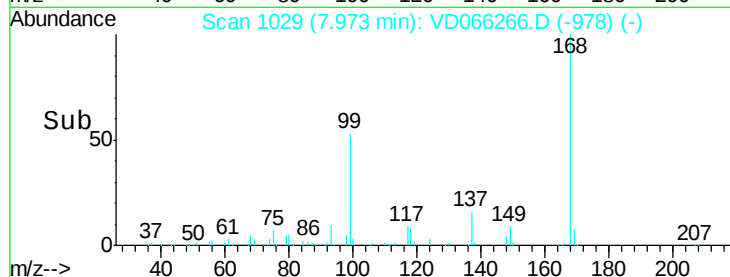
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.683 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066266.D

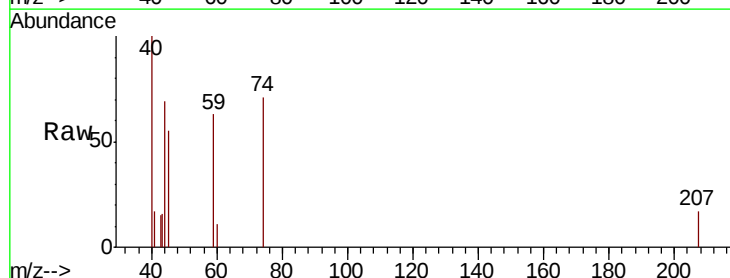
Acq: 17 Aug 2020 19:04

Tgt Ion: 74 Resp: 2230

Ion Ratio Lower Upper

74 100

45 97.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

1000

800

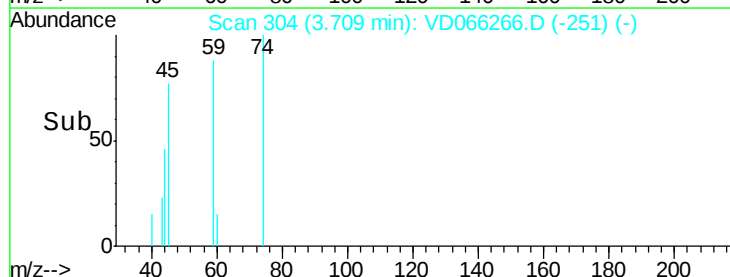
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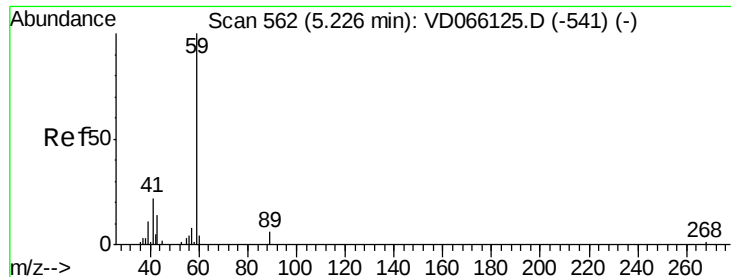
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Time-->



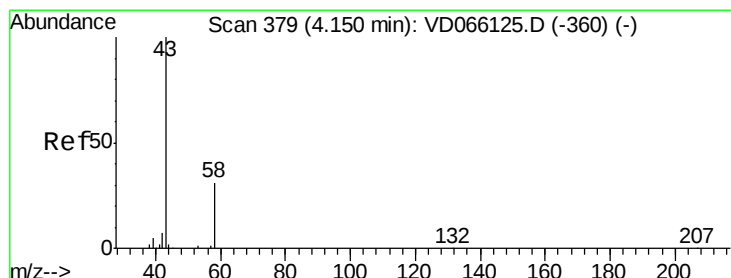
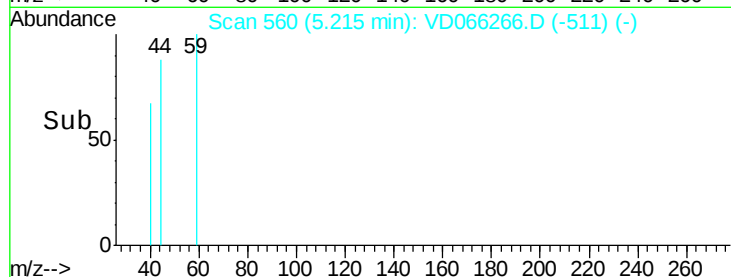
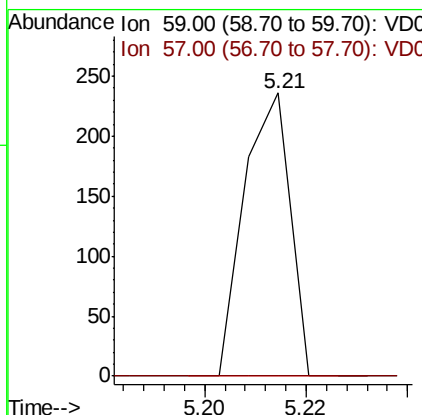
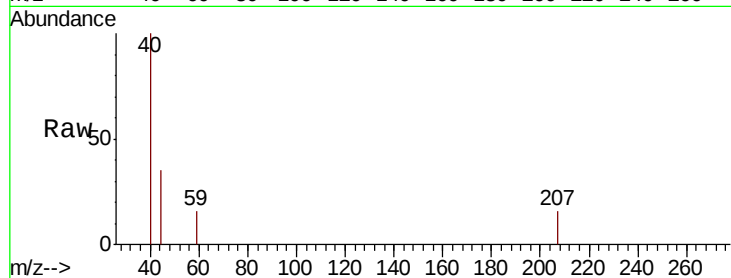


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066266.D
 Acq: 17 Aug 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :
 S603-M-SO-1-1.5-081320-FDRE

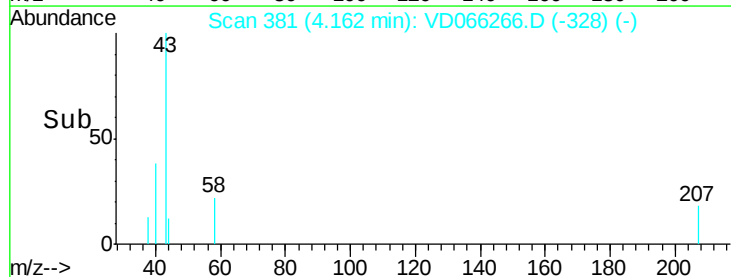
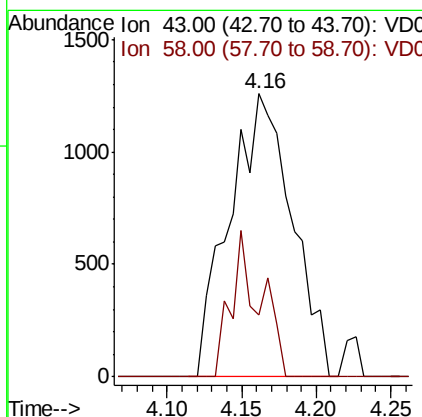
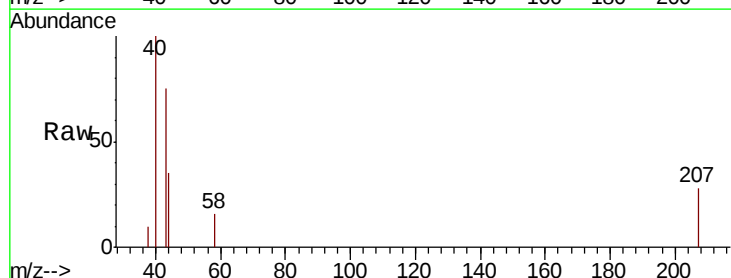
Tot Ion: 59 Resp: 148
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

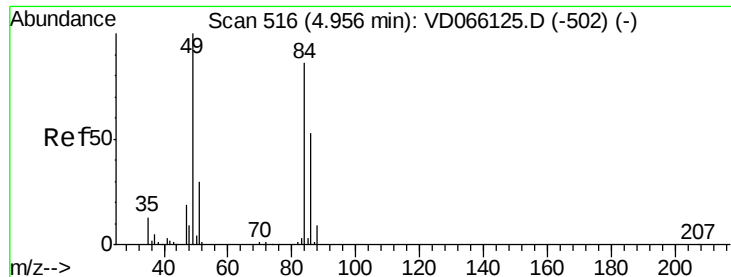


#16

Acetone
 Concen: 7.311 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066266.D
 Acq: 17 Aug 2020 19:04

Tgt Ion: 43 Resp: 3674
 Ion Ratio Lower Upper
 43 100
 58 21.9 24.7 37.1#

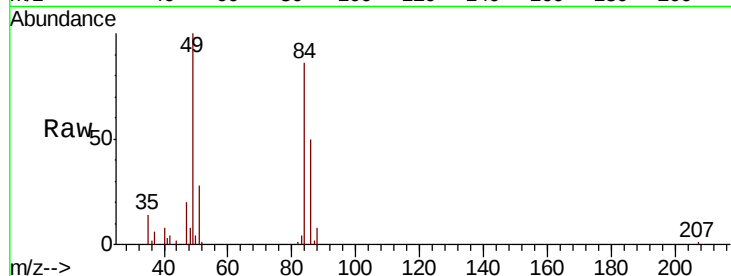




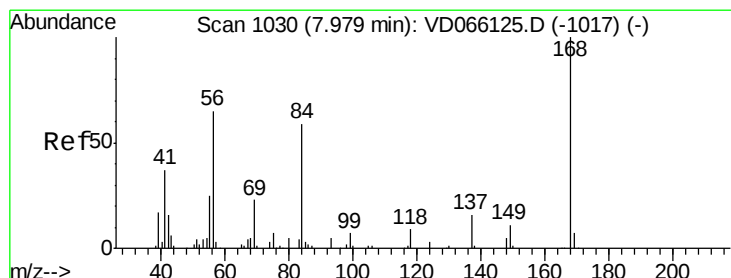
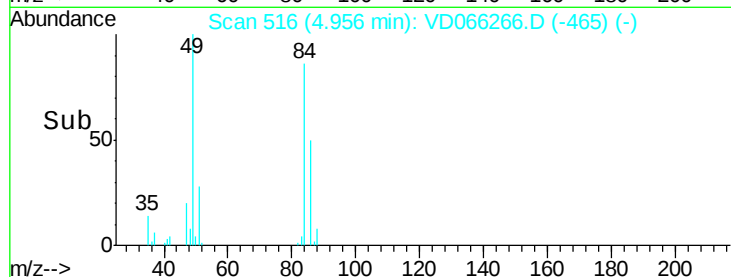
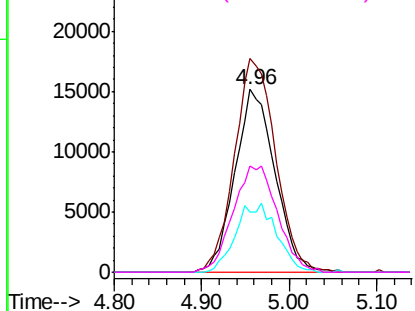
#20
Methvlene Chloride
Concen: 12.863 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066266.D
Acq: 17 Aug 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
S603-M-SO-1-1.5-081320-FDRE

Tot Ion:	84	Resp:	47123
Ion	Ratio	Lower	Upper
84	100		
49	116.8	93.5	140.3
51	33.1	28.2	42.4
86	58.3	49.5	74.3

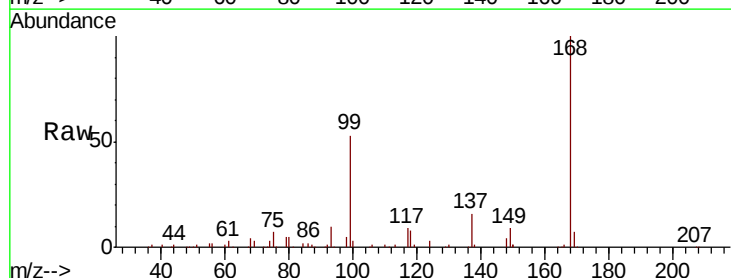


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

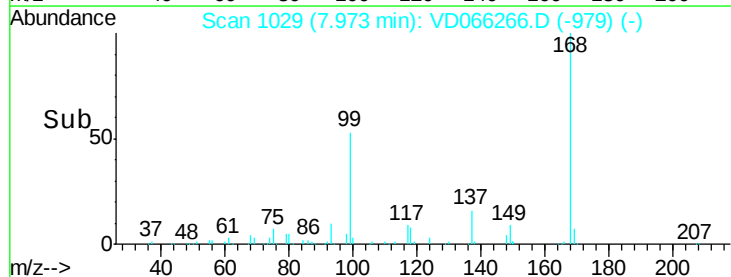
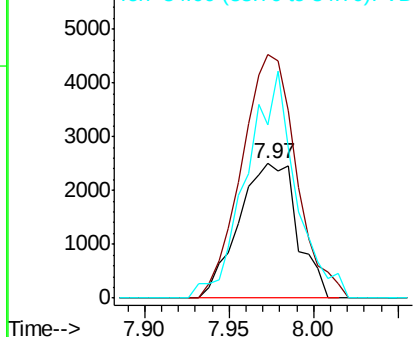


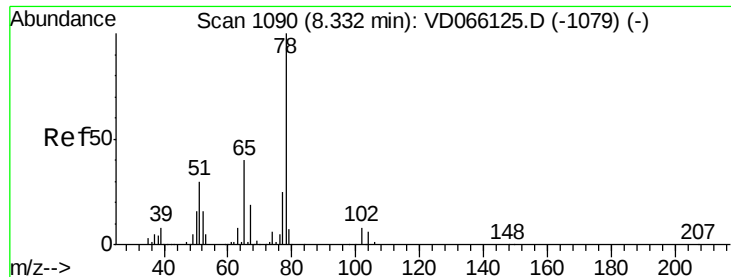
#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066266.D
Acq: 17 Aug 2020 19:04

Tgt Ion:	56	Resp:	6015
Ion	Ratio	Lower	Upper
56	100		
69	181.0	28.8	43.2#
84	128.3	73.0	109.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 44.450 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066266.D

Acq: 17 Aug 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

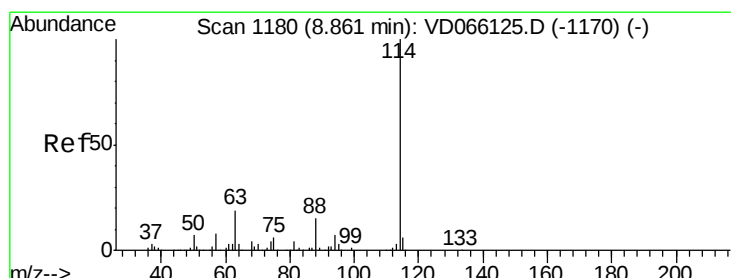
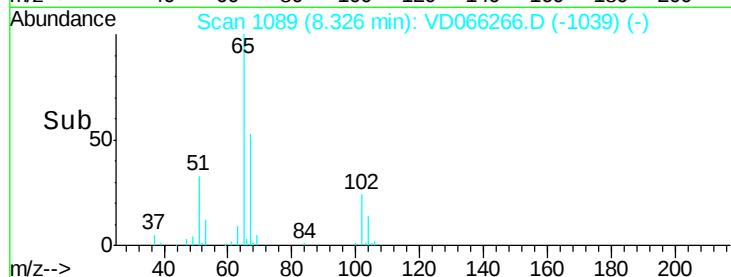
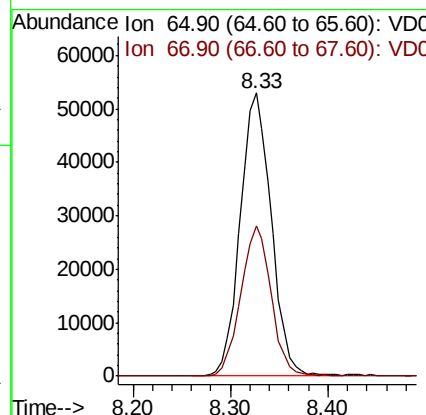
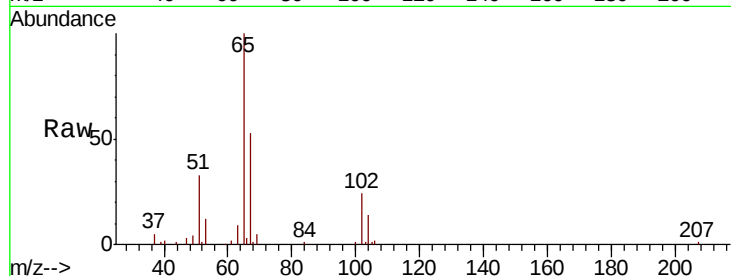
S603-M-SO-1-1.5-081320-FDRE

Tot Ion: 65 Resp: 117727

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066266.D

Acq: 17 Aug 2020 19:04

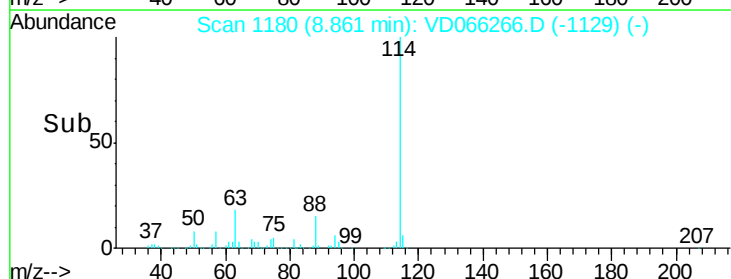
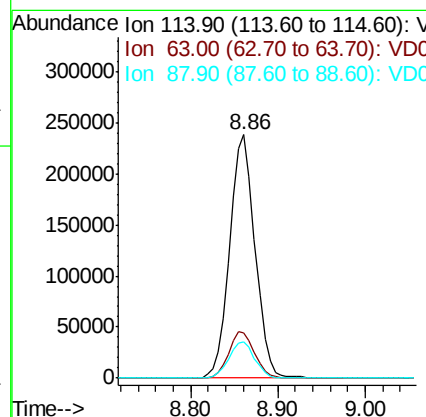
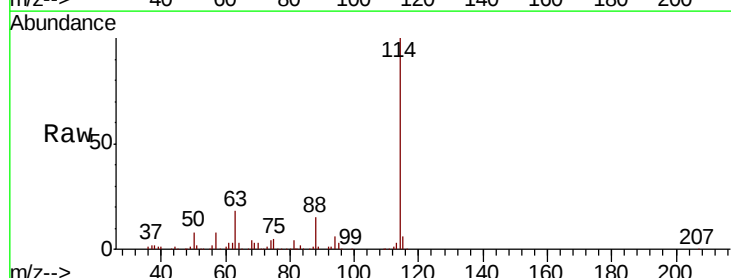
Tgt Ion: 114 Resp: 473188

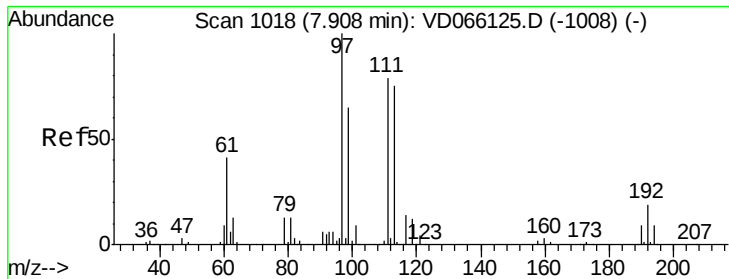
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.6

88 14.9 0.0 30.0

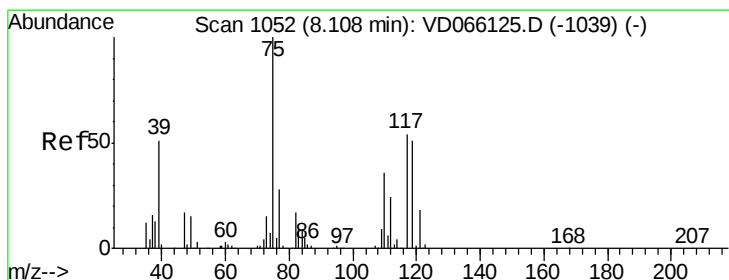
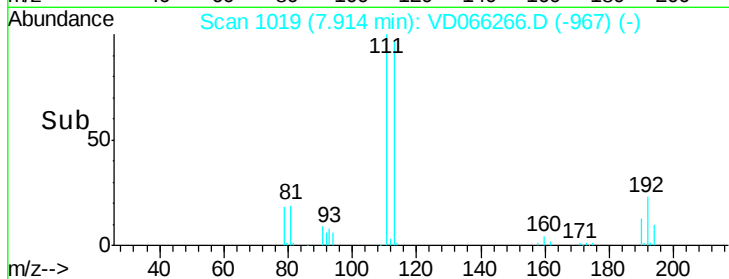
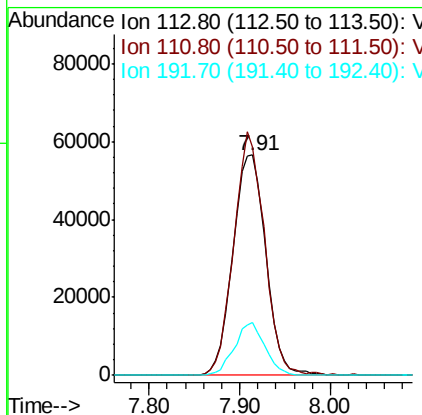
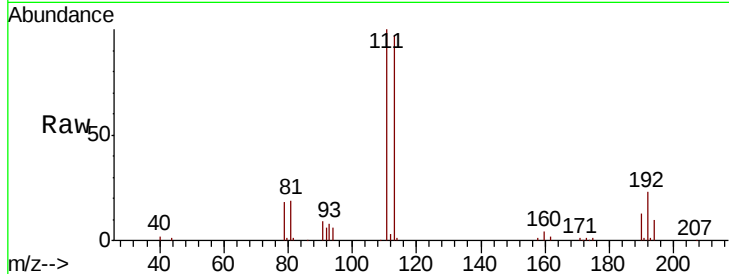




#35
 Dibromofluoromethane
 Concen: 47.813 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066266.D
 Acq: 17 Aug 2020 19:04

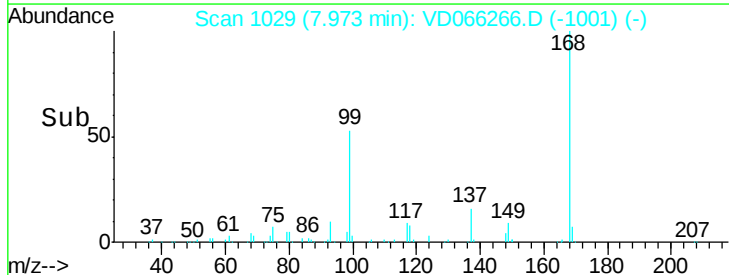
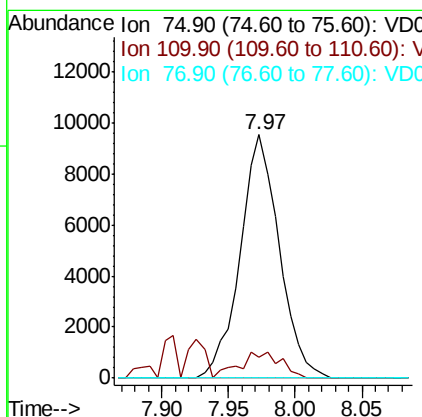
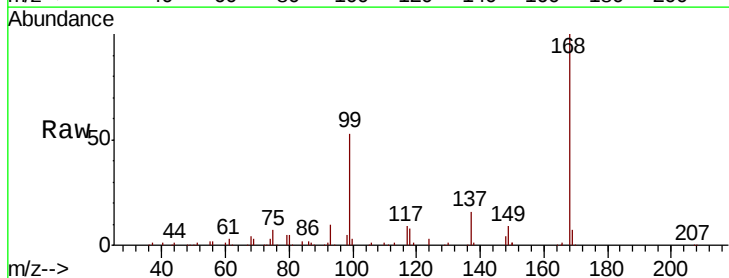
Instrument :
 MSVOA_D
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 S603-M-SO-1-1.5-081320-FDRE

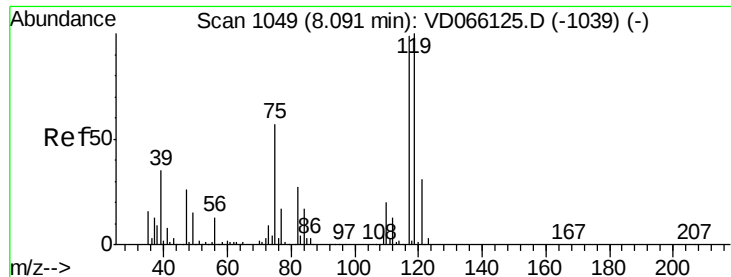
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.7	121.1
192	22.2	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.341 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066266.D
 Acq: 17 Aug 2020 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.8	56.3#
77	0.0	24.2	36.2#

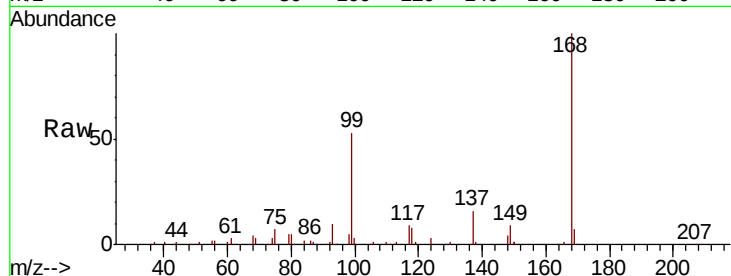




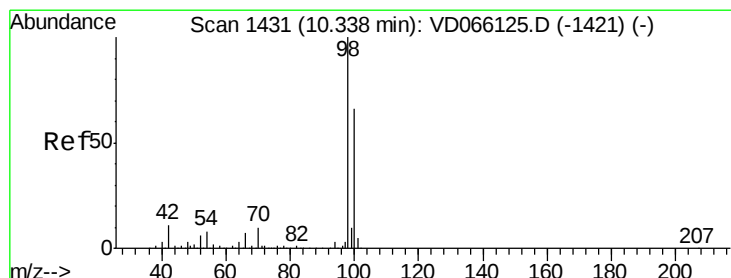
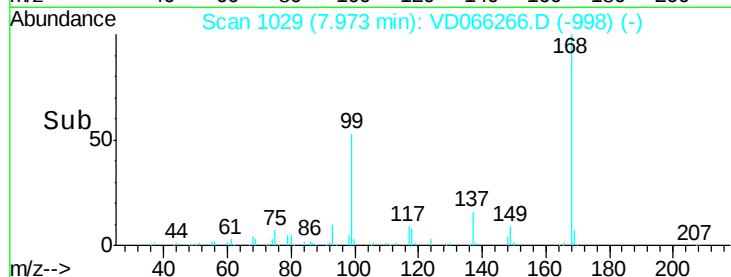
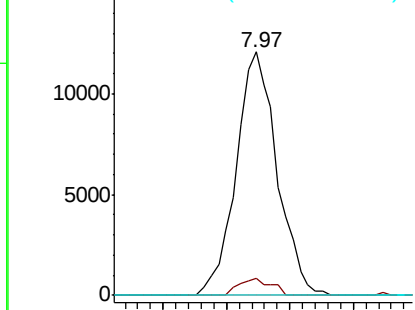
#38
Carbon Tetrachloride
Concen: 5.457 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066266.D
Acq: 17 Aug 2020 19:04

Instrument :
MSVOA_D
ClientSampleId :
S603-M-SO-1-1.5-081320-FDRE

Tot Ion:117 Resp: 27059
Ion Ratio Lower Upper
117 100
119 6.9 81.0 121.4#
121 0.0 24.8 37.2#

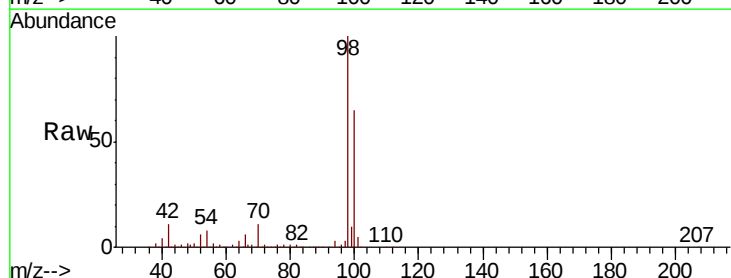


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

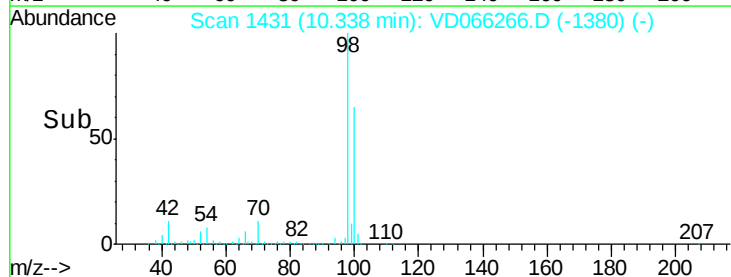
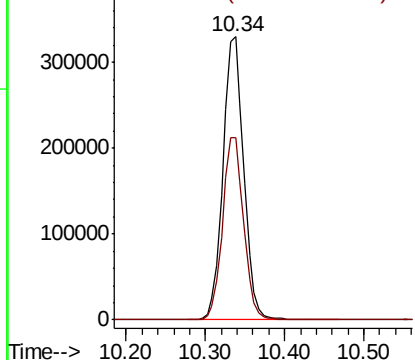


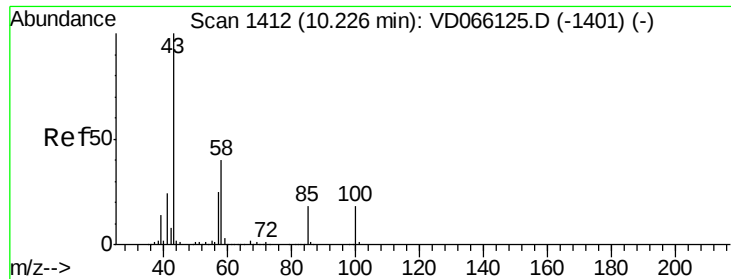
#50
Toluene-d8
Concen: 53.985 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066266.D
Acq: 17 Aug 2020 19:04

Tgt Ion: 98 Resp: 597173
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.689 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066266.D

Acq: 17 Aug 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

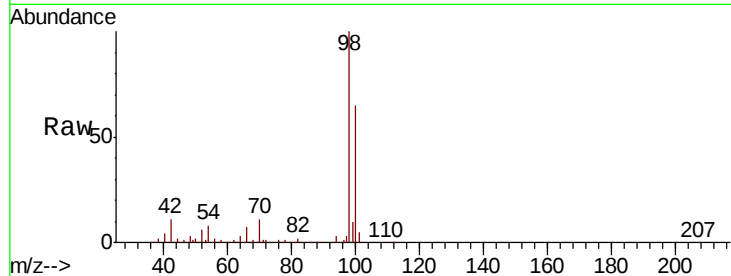
S603-M-SO-1-1.5-081320-FDRE

Tot Ion: 43 Resp: 3011

Ion Ratio Lower Upper

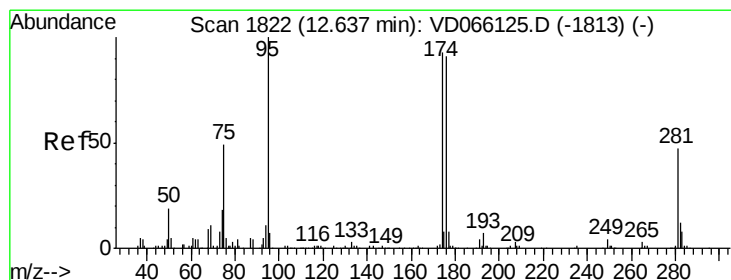
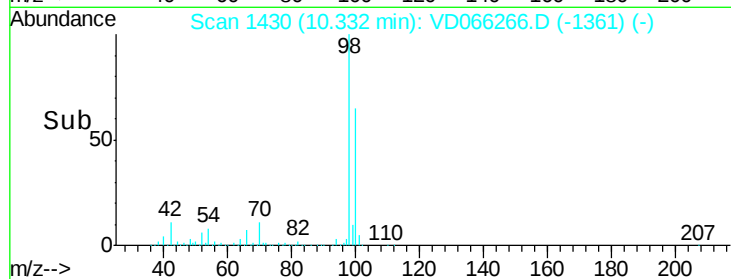
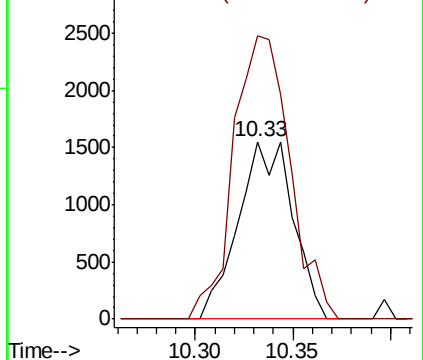
43 100

58 165.1 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 79.975 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066266.D

Acq: 17 Aug 2020 19:04

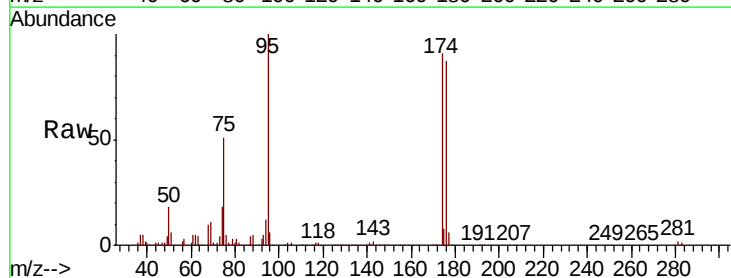
Tgt Ion: 95 Resp: 318891

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.8

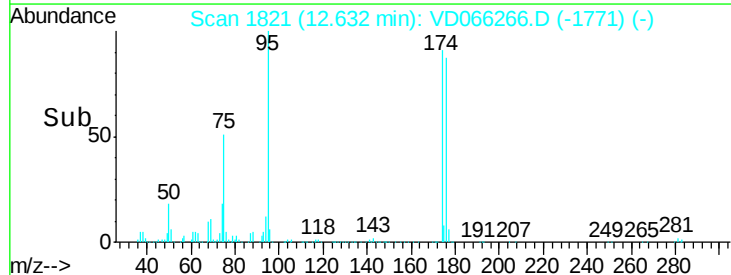
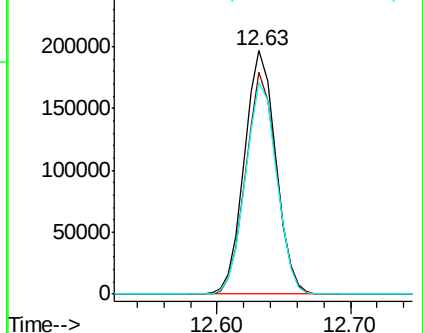
176 86.8 0.0 181.2

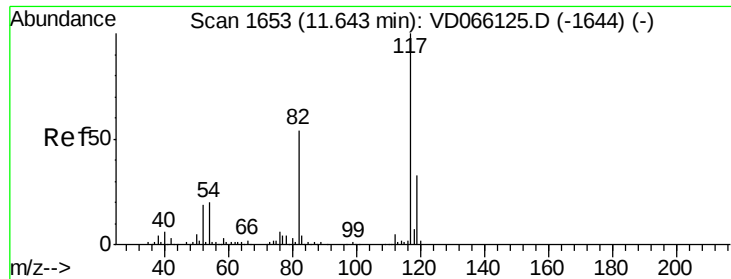


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

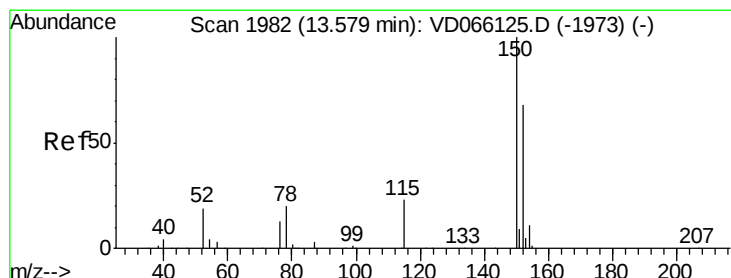
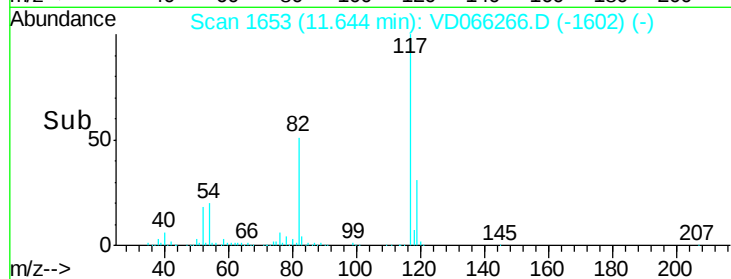
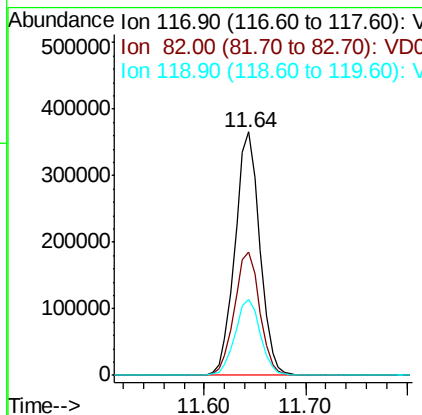
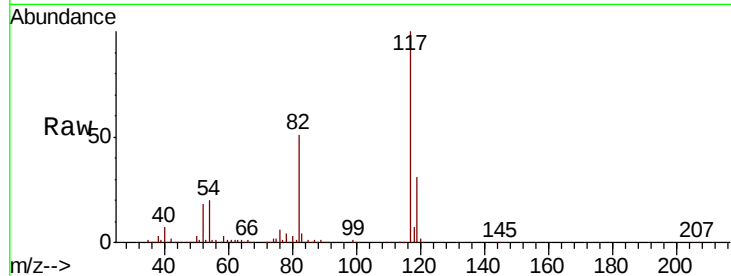




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066266.D
Acq: 17 Aug 2020 19:04

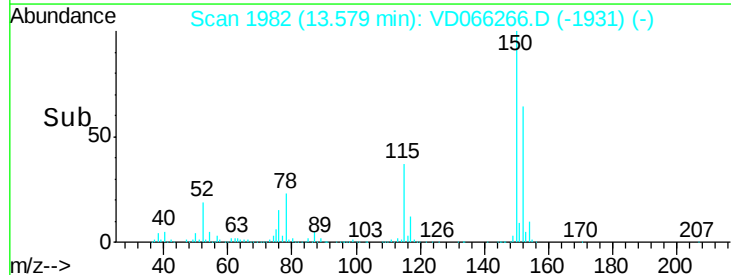
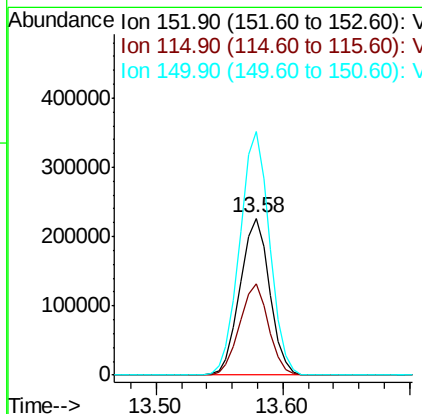
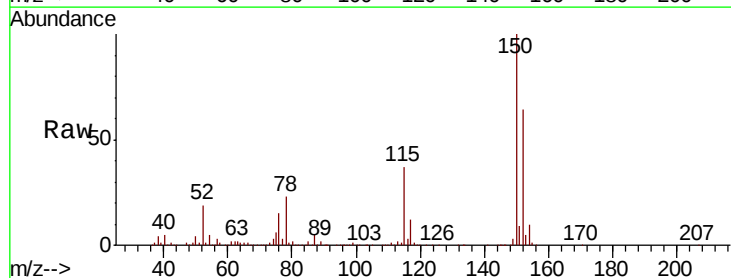
Instrument :
MSVOA_D
ClientSampleId :
S603-M-SO-1-1.5-081320-FDRE

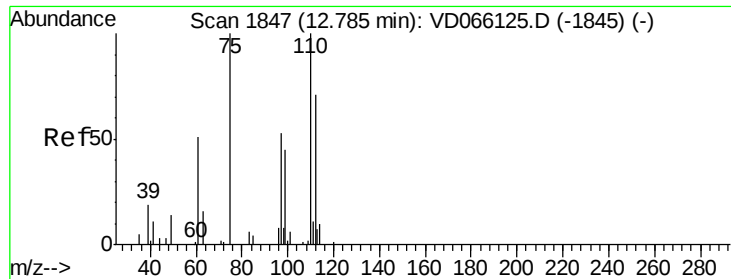
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	43.0	64.4
119	31.1	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066266.D
Acq: 17 Aug 2020 19:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.0	83.9
150	156.9	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 52.396 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066266.D

Acq: 17 Aug 2020 19:04

Instrument :

MSVOA_D

ClientSampleId :

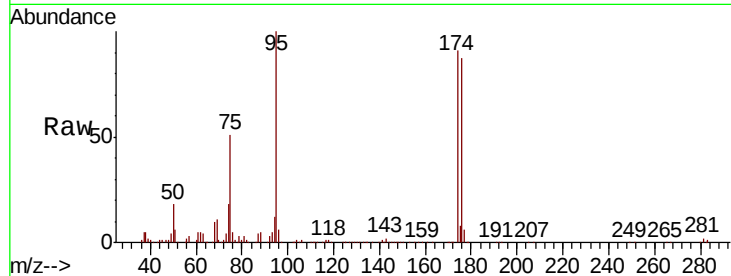
S603-M-SO-1-1.5-081320-FDRE

Tot Ion: 75 Resp: 159797

Ion Ratio Lower Upper

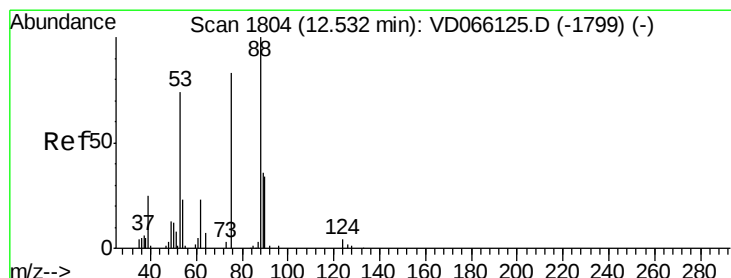
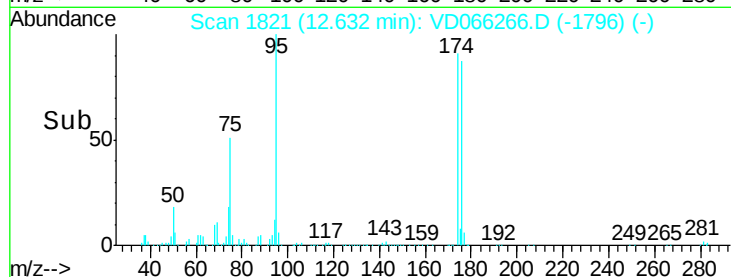
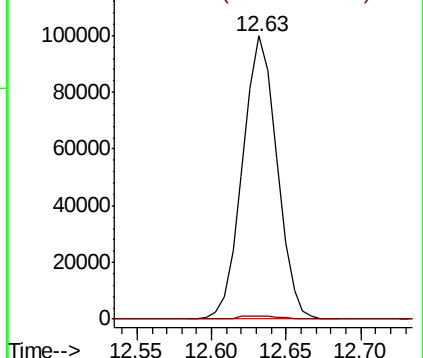
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 115.825 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066266.D

Acq: 17 Aug 2020 19:04

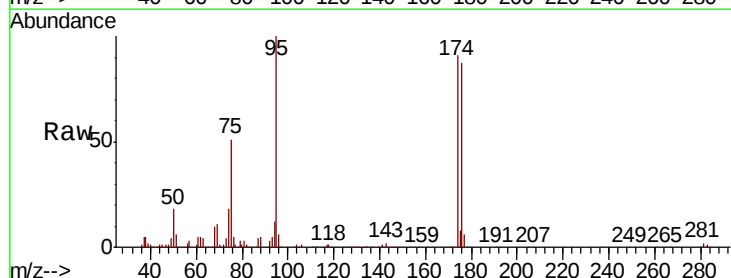
Tgt Ion: 75 Resp: 159797

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

