

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066265.D
 Acq On : 17 Aug 2020 18:37
 Operator : VA/SY
 Sample : L3691-01RE
 Misc : 8.63G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 18 07:54:00 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	303648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	486020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	625978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382040	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	121073	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
35) Dibromofluoromethane	7.91	113	149968	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	10.33	98	613419	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.63	95	322546	78.76	ug/l	0.00
Spiked Amount			Recovery	=	157.52%	

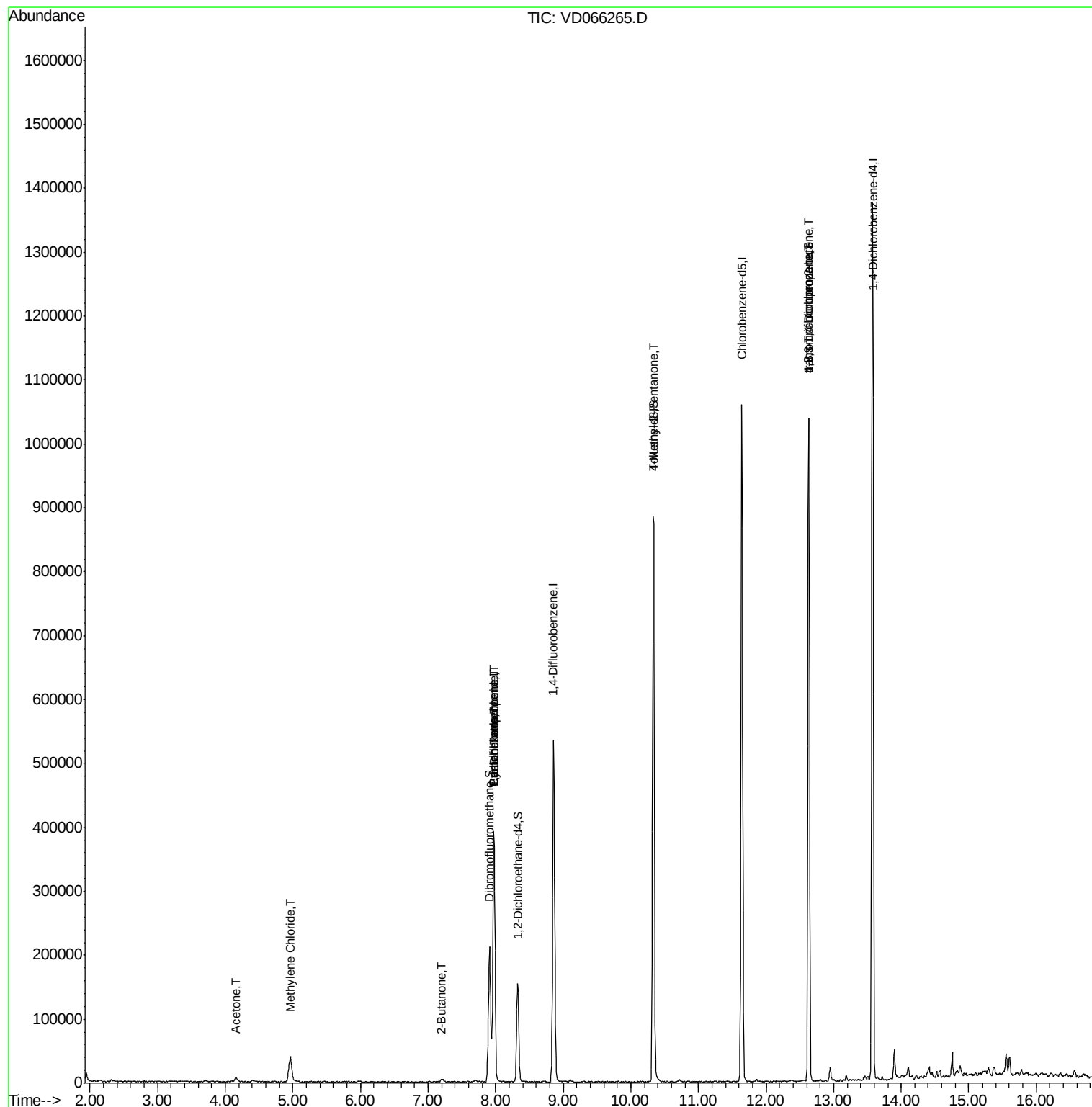
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	161	Below Cal	#	76
16) Acetone	4.15	43	12089	23.519	ug/l #	83
20) Methylene Chloride	4.96	84	30806	6.365	ug/l	91
25) 2-Butanone	7.21	43	2198	2.907	ug/l	99
31) Cyclohexane	7.97	56	6140	1.294	ug/l #	22
36) 1,1-Dichloropropene	7.97	75	20634	4.518	ug/l #	53
38) Carbon Tetrachloride	7.97	117	30578	6.004	ug/l #	13
51) 4-Methyl-2-Pentanone	10.33	43	3042	1.661	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	164607	51.667	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	164607	114.212	ug/l #	13

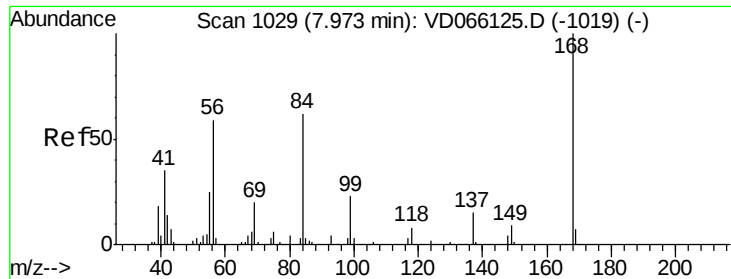
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066265.D
Acq On : 17 Aug 2020 18:37
Operator : VA/SY
Sample : L3691-01RE
Misc : 8.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 18 07:54:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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: VD066265.D

Acq: 17 Aug 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

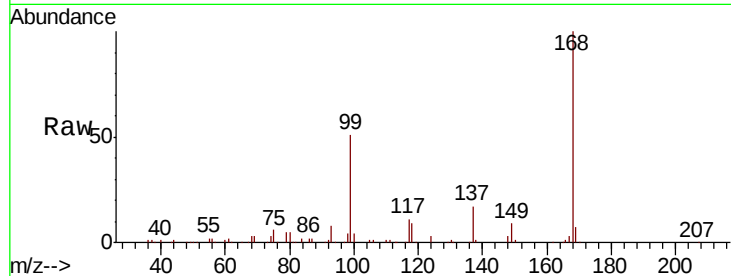
S603-M-SO-1-1.5-081320RE

Tot Ion:168 Resp: 303648

Ion Ratio Lower Upper

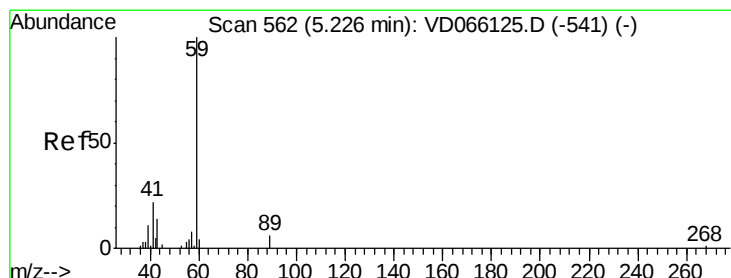
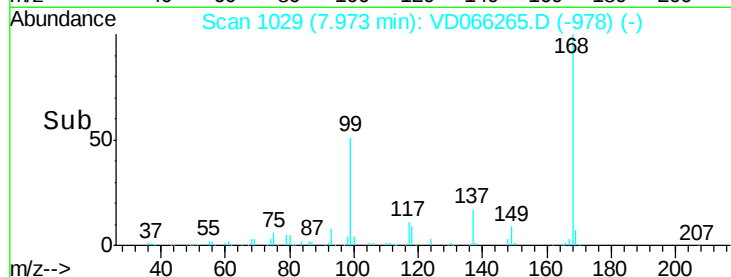
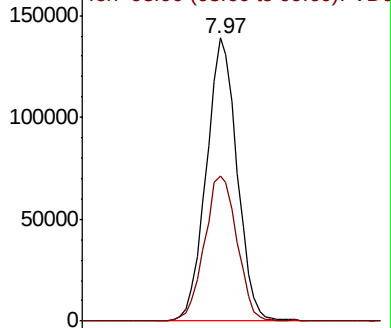
168 100

99 51.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066265.D

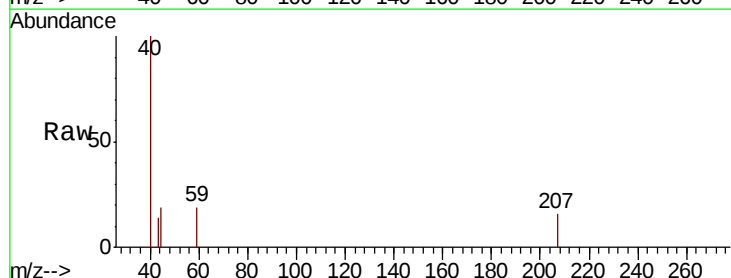
Acq: 17 Aug 2020 18:37

Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

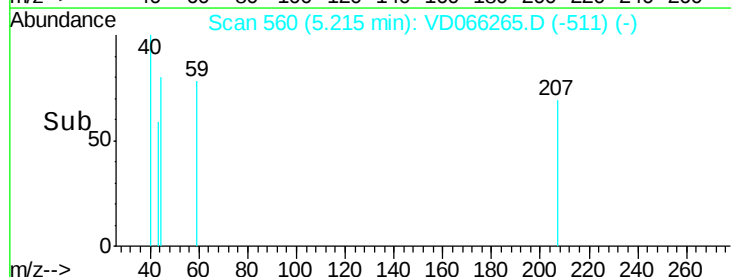
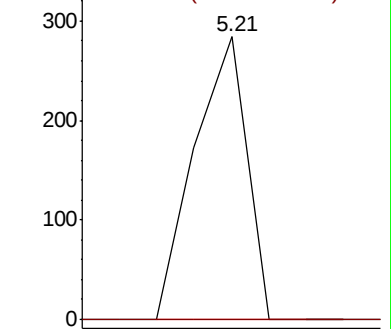
59 100

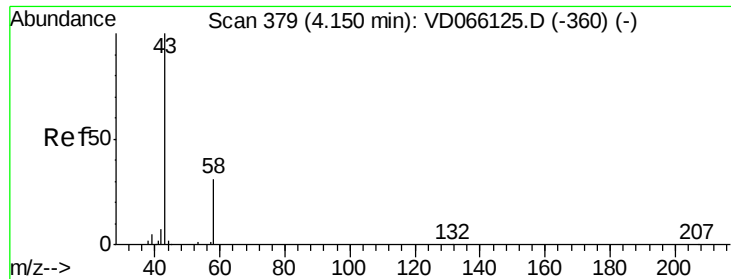
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 23.519 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

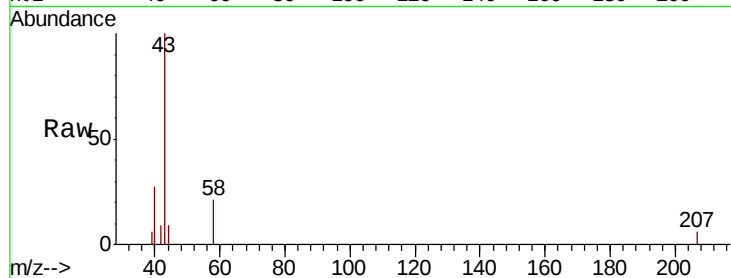
S603-M-SO-1-1.5-081320RE

Tot Ion: 43 Resp: 12089

Ion Ratio Lower Upper

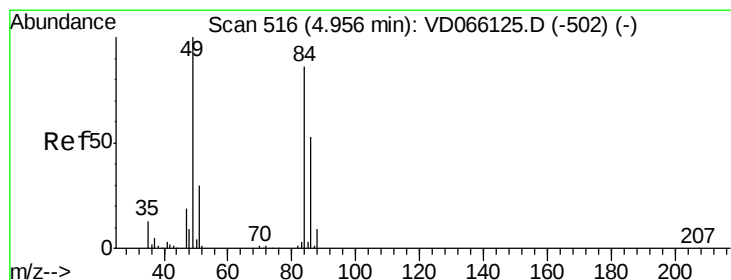
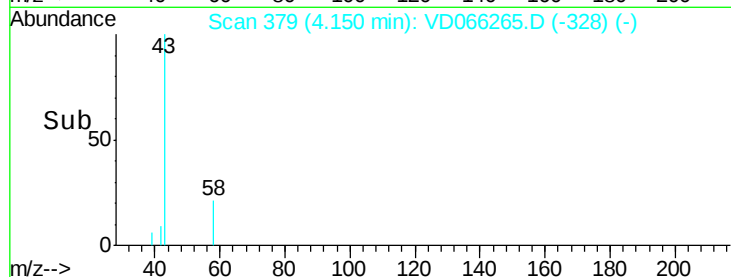
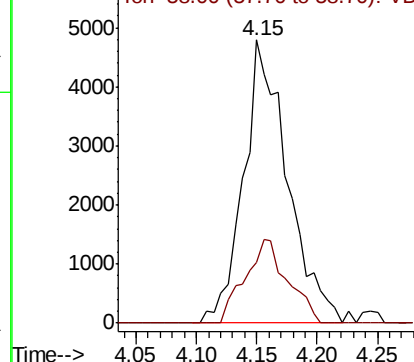
43 100

58 21.4 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 6.365 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

Tgt Ion: 84 Resp: 30806

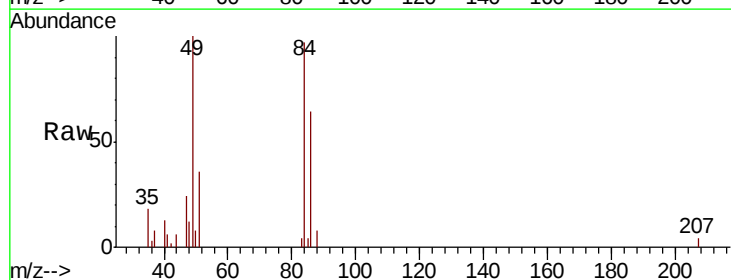
Ion Ratio Lower Upper

84 100

49 102.8 93.5 140.3

51 37.5 28.2 42.4

86 66.3 49.5 74.3

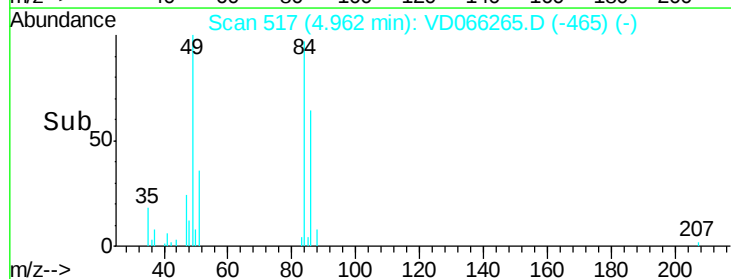
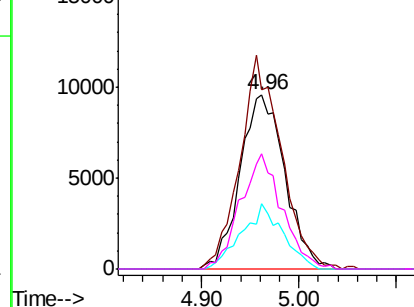


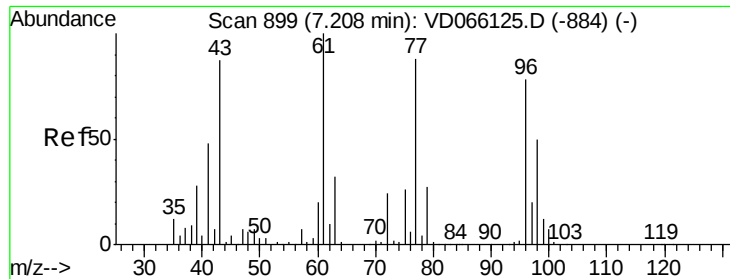
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

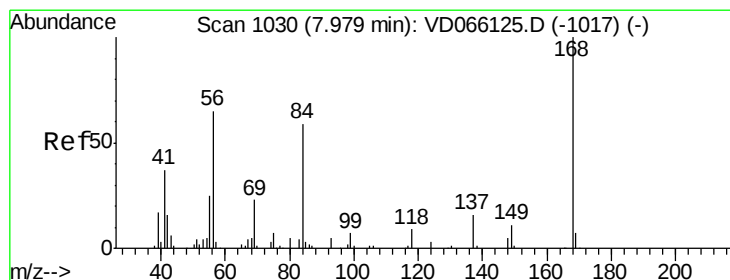
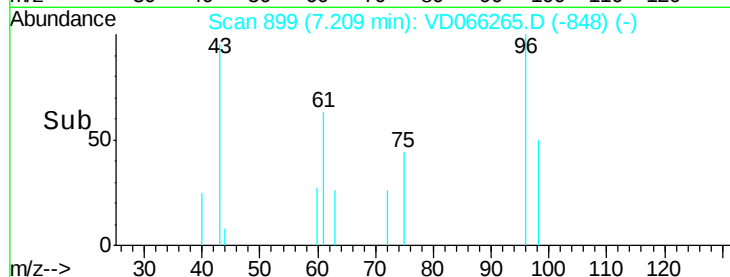
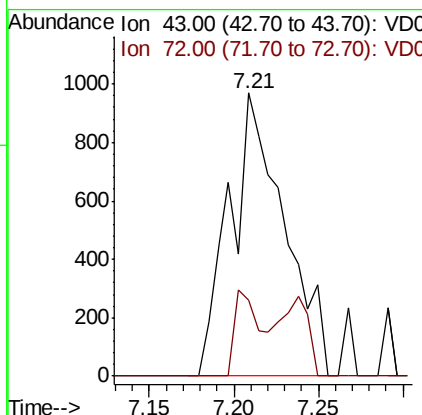
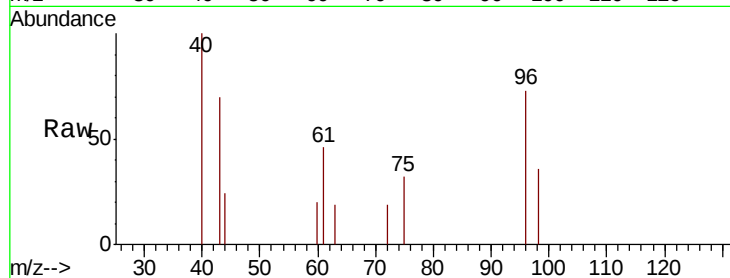




#25
2-Butanone
Concen: 2.907 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066265.D
Acq: 17 Aug 2020 18:37

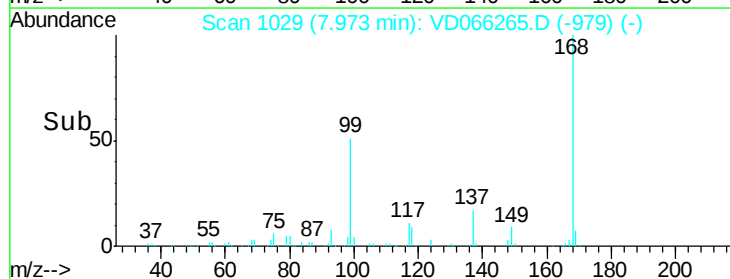
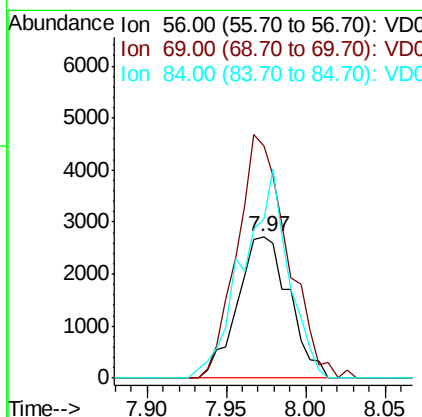
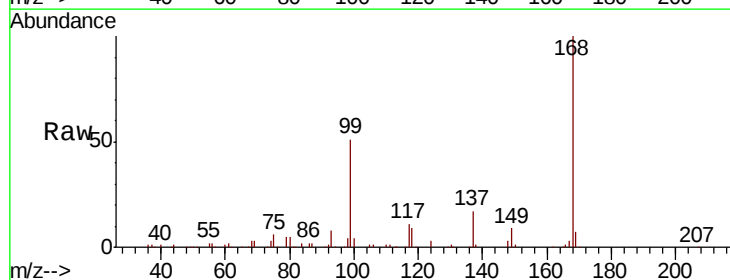
Instrument :
MSVOA_D
ClientSampleId :
S603-M-SO-1-1.5-081320RE

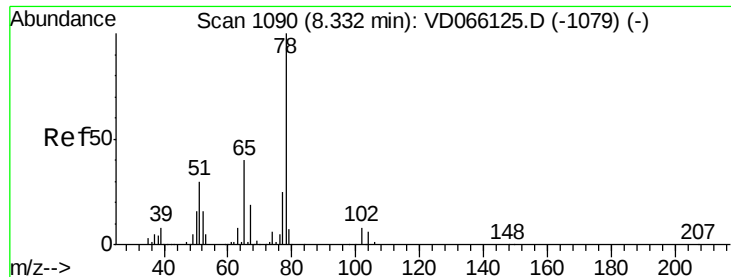
Tot Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
72 26.9 22.2 33.2



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066265.D
Acq: 17 Aug 2020 18:37

Tgt Ion: 56 Resp: 6140
Ion Ratio Lower Upper
56 100
69 164.1 28.8 43.2#
84 113.0 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 44.693 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

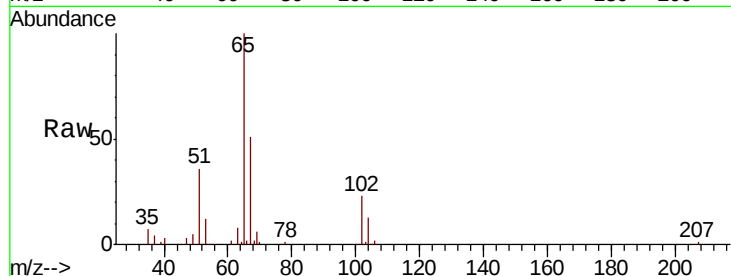
S603-M-SO-1-1.5-081320RE

Tot Ion: 65 Resp: 121073

Ion Ratio Lower Upper

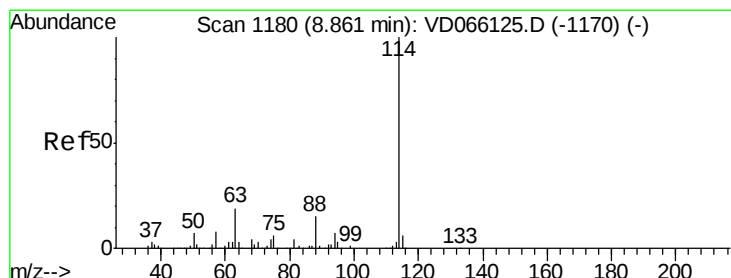
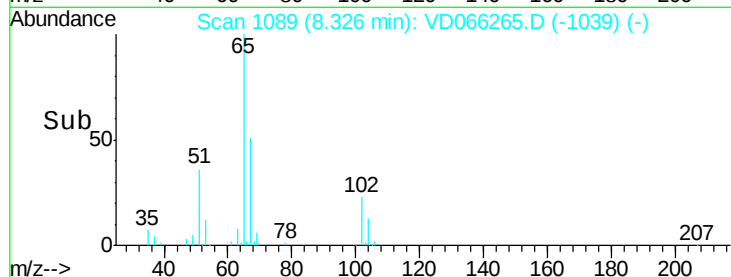
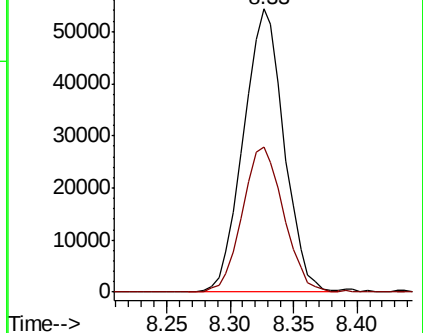
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

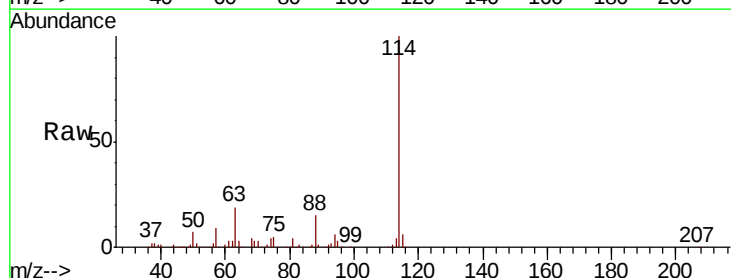
Tgt Ion:114 Resp: 486020

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

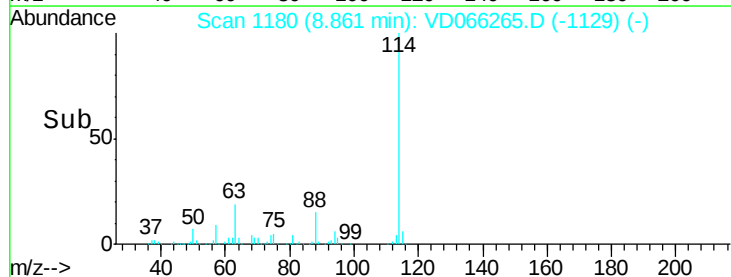
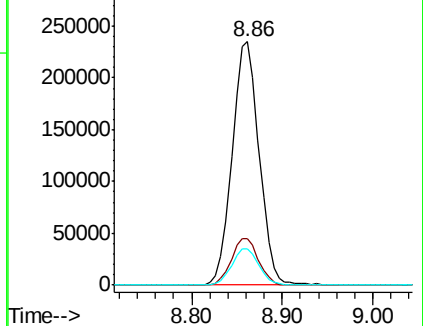
88 14.7 0.0 30.0

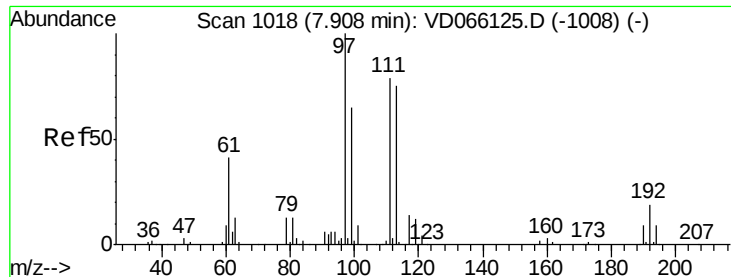


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

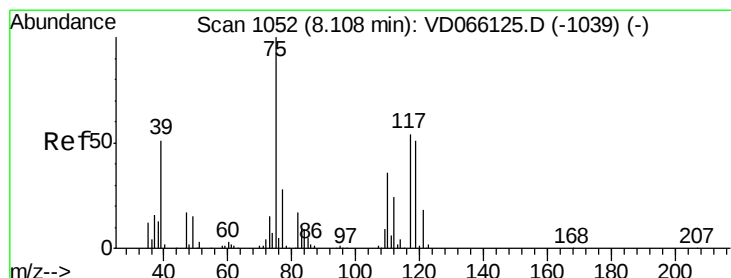
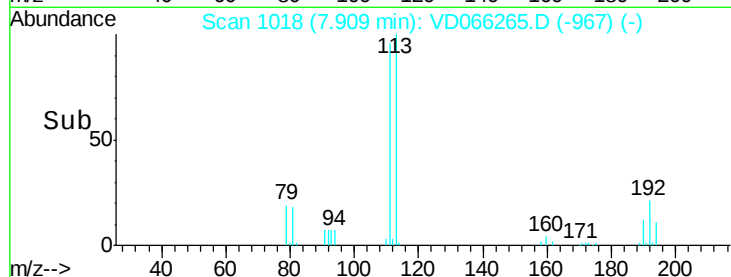
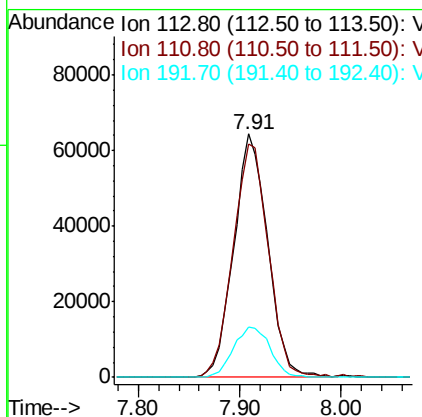
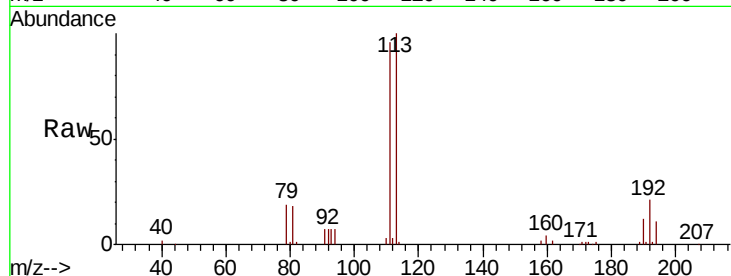




#35
 Dibromofluoromethane
 Concen: 48.708 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066265.D
 Acq: 17 Aug 2020 18:37

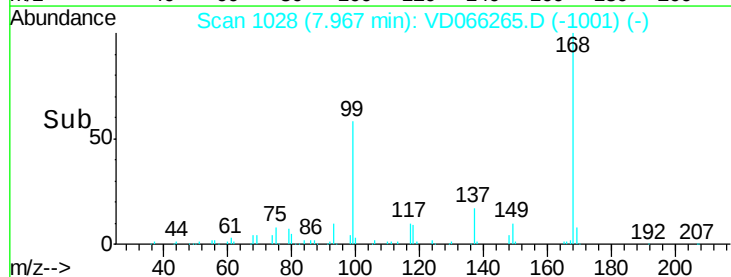
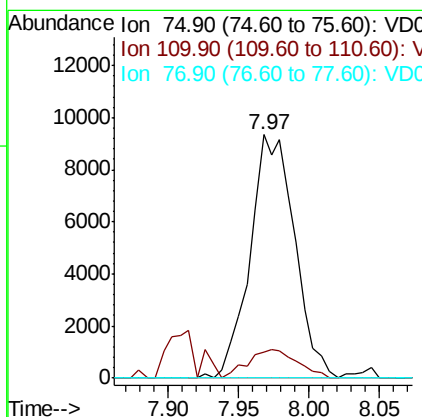
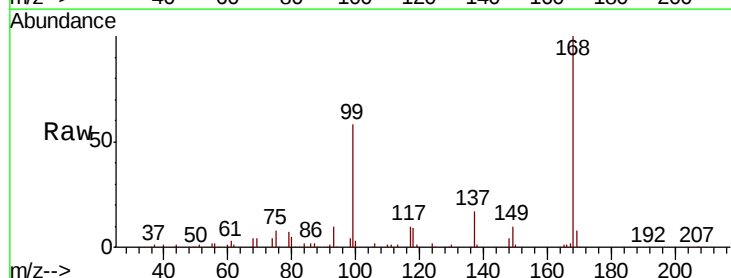
Instrument :
 MSVOA_D
 ClientSampleId :
 S603-M-SO-1-1.5-081320RE

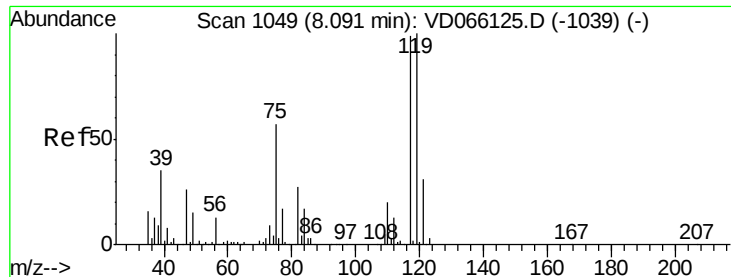
Tot Ion:113 Resp: 149968
 Ion Ratio Lower Upper
 113 100
 111 99.4 80.7 121.1
 192 22.3 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.518 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066265.D
 Acq: 17 Aug 2020 18:37

Tgt Ion: 75 Resp: 20634
 Ion Ratio Lower Upper
 75 100
 110 13.0 18.8 56.3#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.004 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320RE

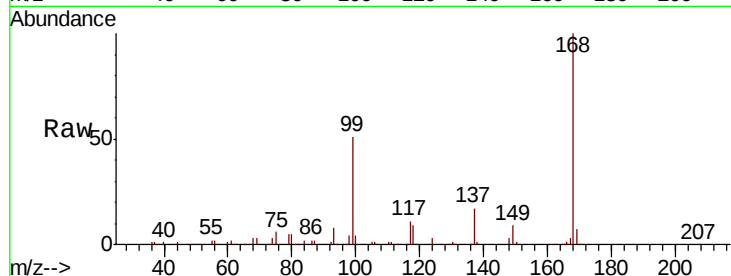
Tot Ion:117 Resp: 30578

Ion Ratio Lower Upper

117 100

119 4.1 81.0 121.4#

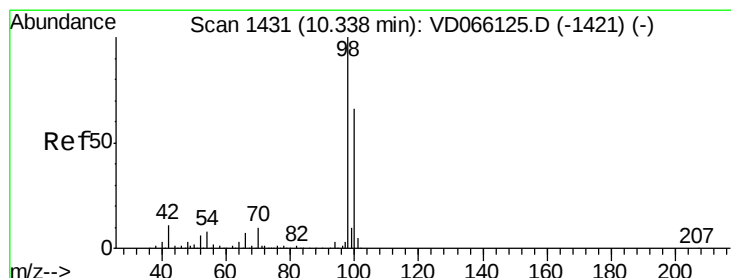
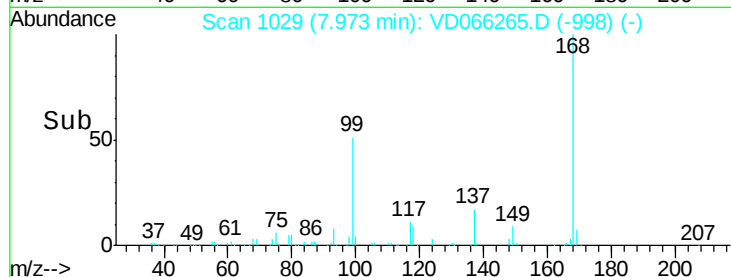
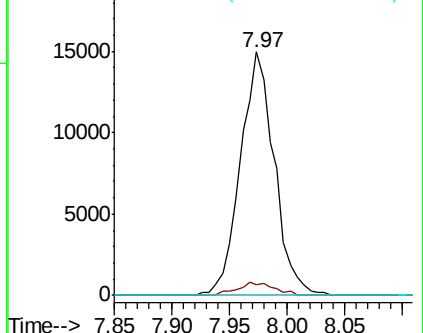
121 0.0 24.8 37.2#



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: 53.989 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066265.D

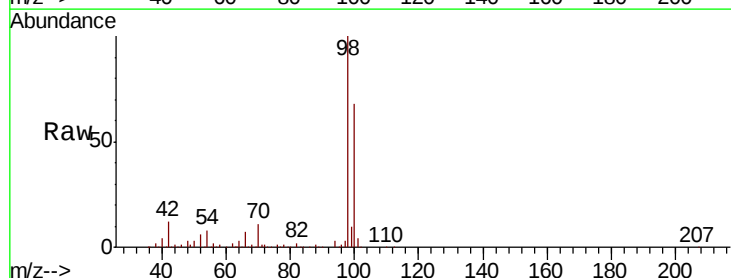
Acq: 17 Aug 2020 18:37

Tgt Ion: 98 Resp: 613419

Ion Ratio Lower Upper

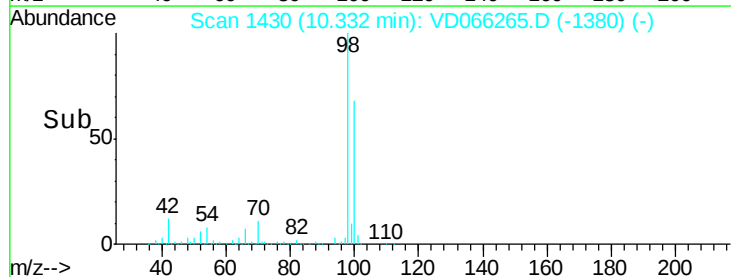
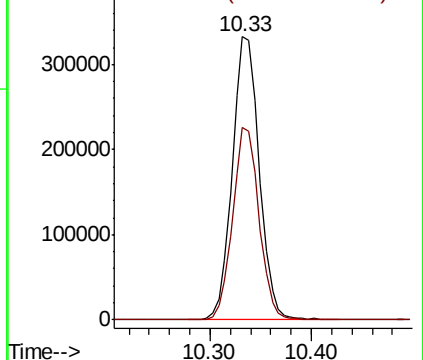
98 100

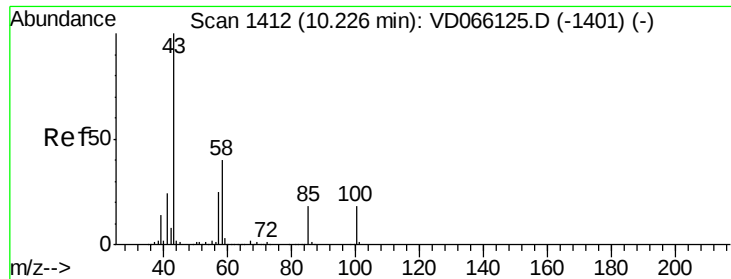
100 66.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.661 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

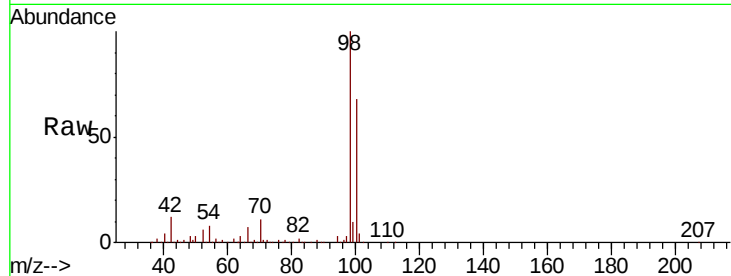
S603-M-SO-1-1.5-081320RE

Tot Ion: 43 Resp: 3042

Ion Ratio Lower Upper

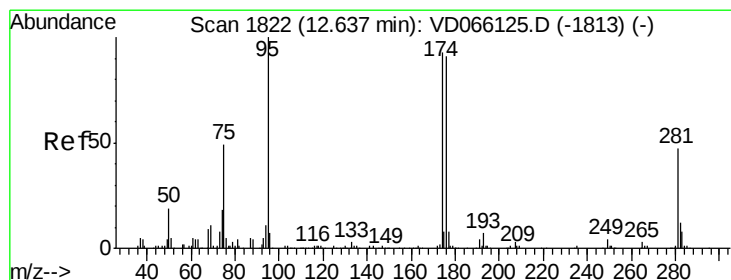
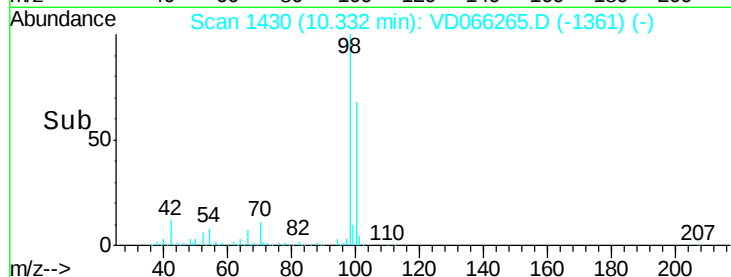
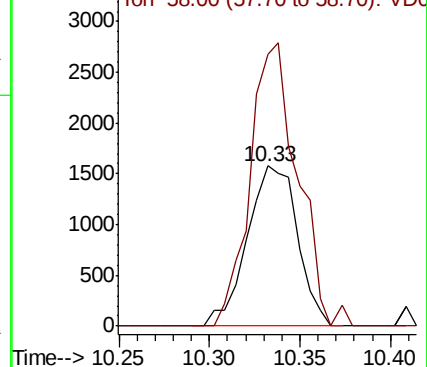
43 100

58 167.1 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: 78.756 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

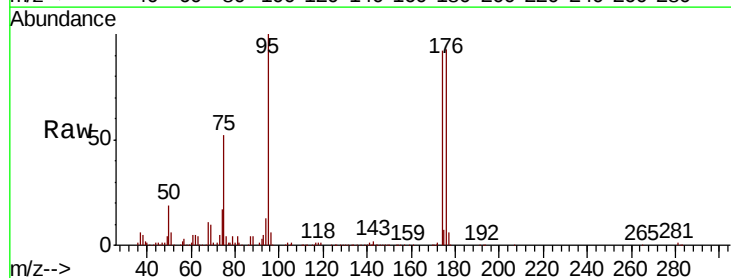
Tgt Ion: 95 Resp: 322546

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.8

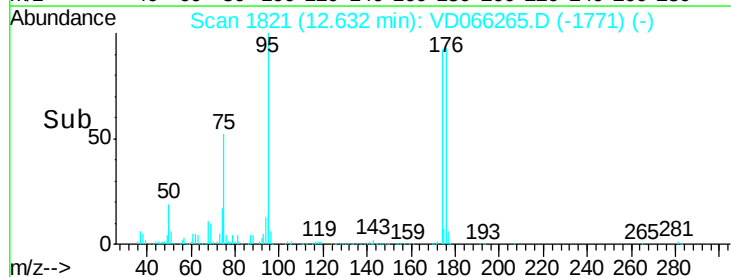
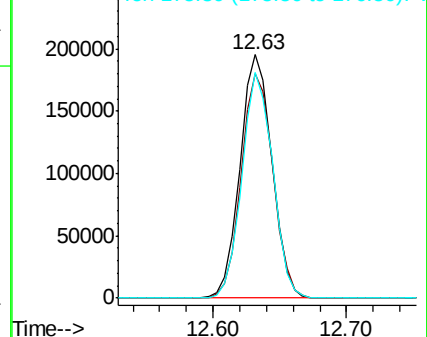
176 89.4 0.0 181.2

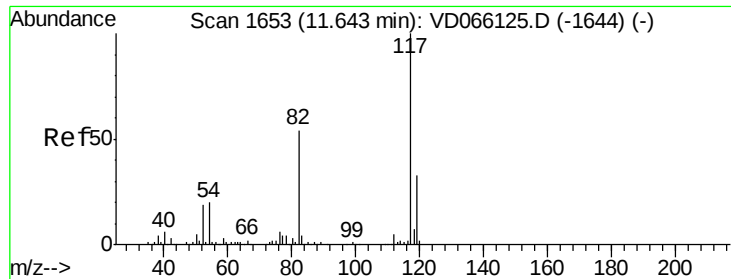


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

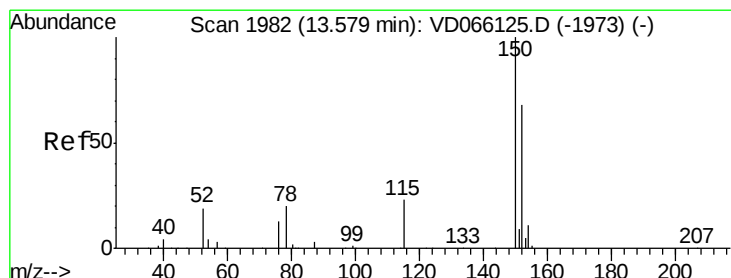
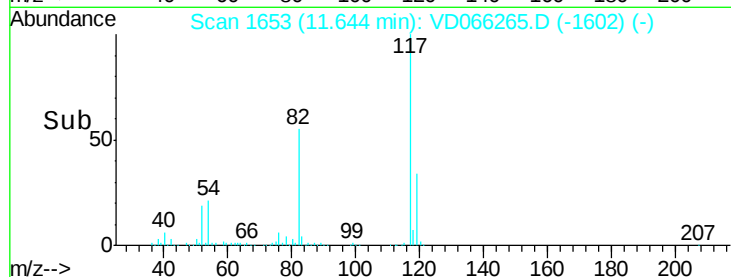
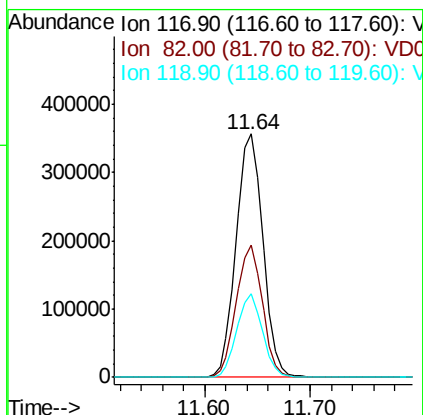
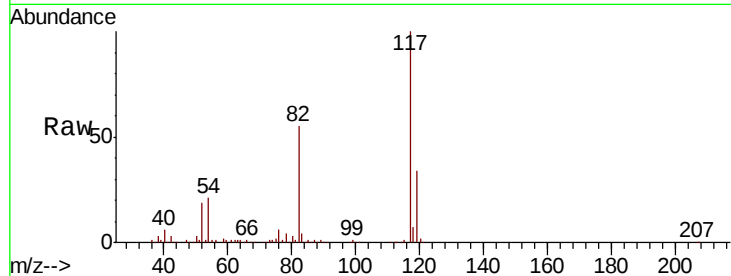




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066265.D
Acq: 17 Aug 2020 18:37

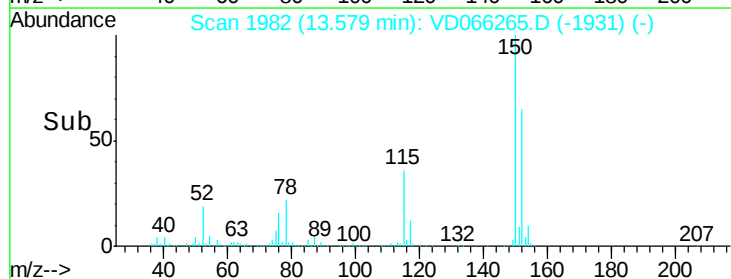
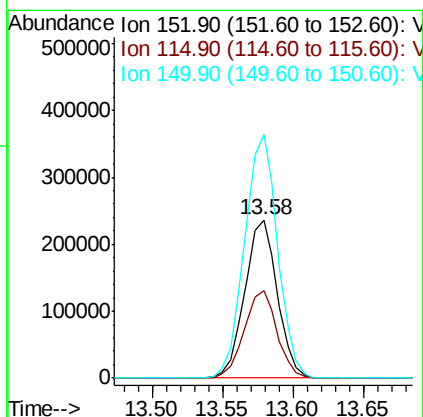
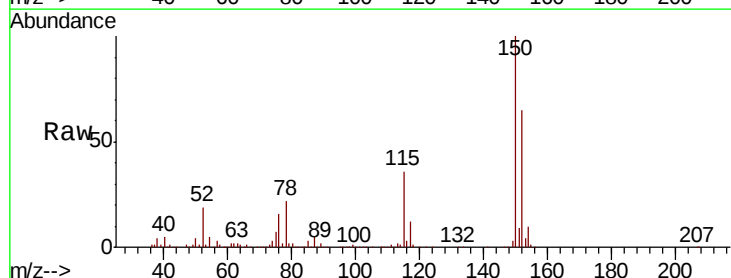
Instrument :
MSVOA_D
ClientSampleId :
S603-M-SO-1-1.5-081320RE

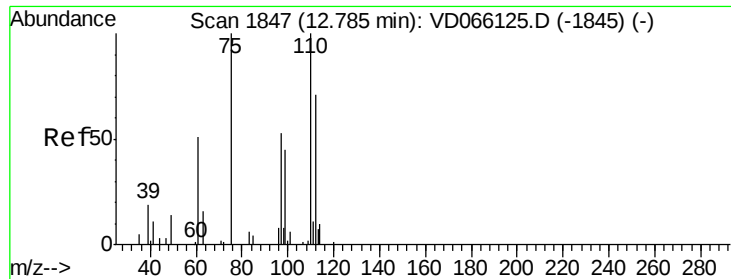
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	34.3	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066265.D
Acq: 17 Aug 2020 18:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	83.9
150	156.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 51.667 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

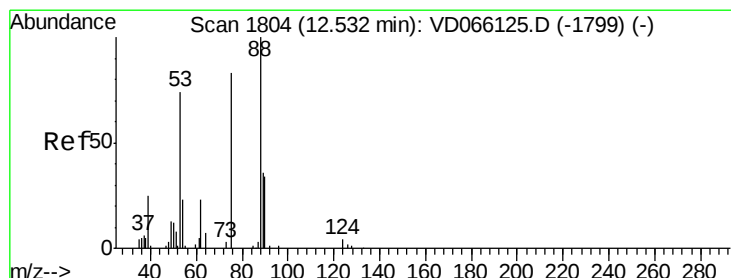
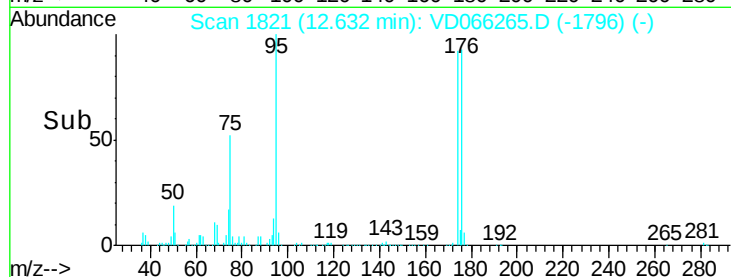
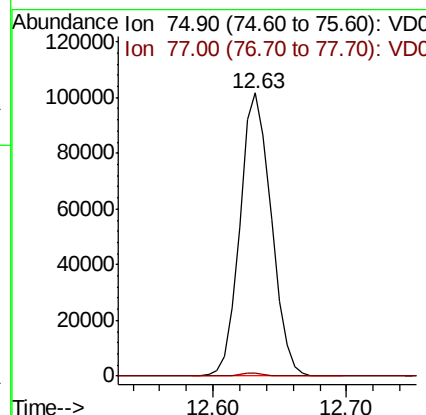
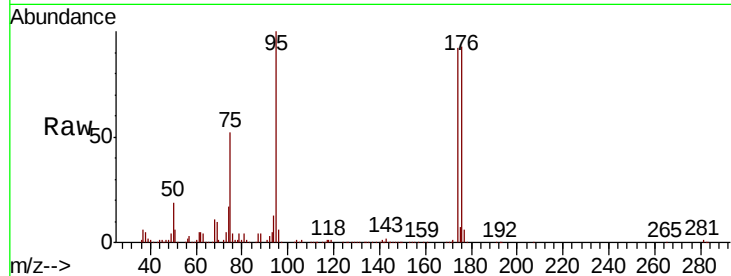
S603-M-SO-1-1.5-081320RE

Tot Ion: 75 Resp: 164607

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.212 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066265.D

Acq: 17 Aug 2020 18:37

Tgt Ion: 75 Resp: 164607

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#

