

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066243.D
 Acq On : 14 Aug 2020 18:17
 Operator : VA/SY
 Sample : L3691-01
 Misc : 8.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 17 08:47:19 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

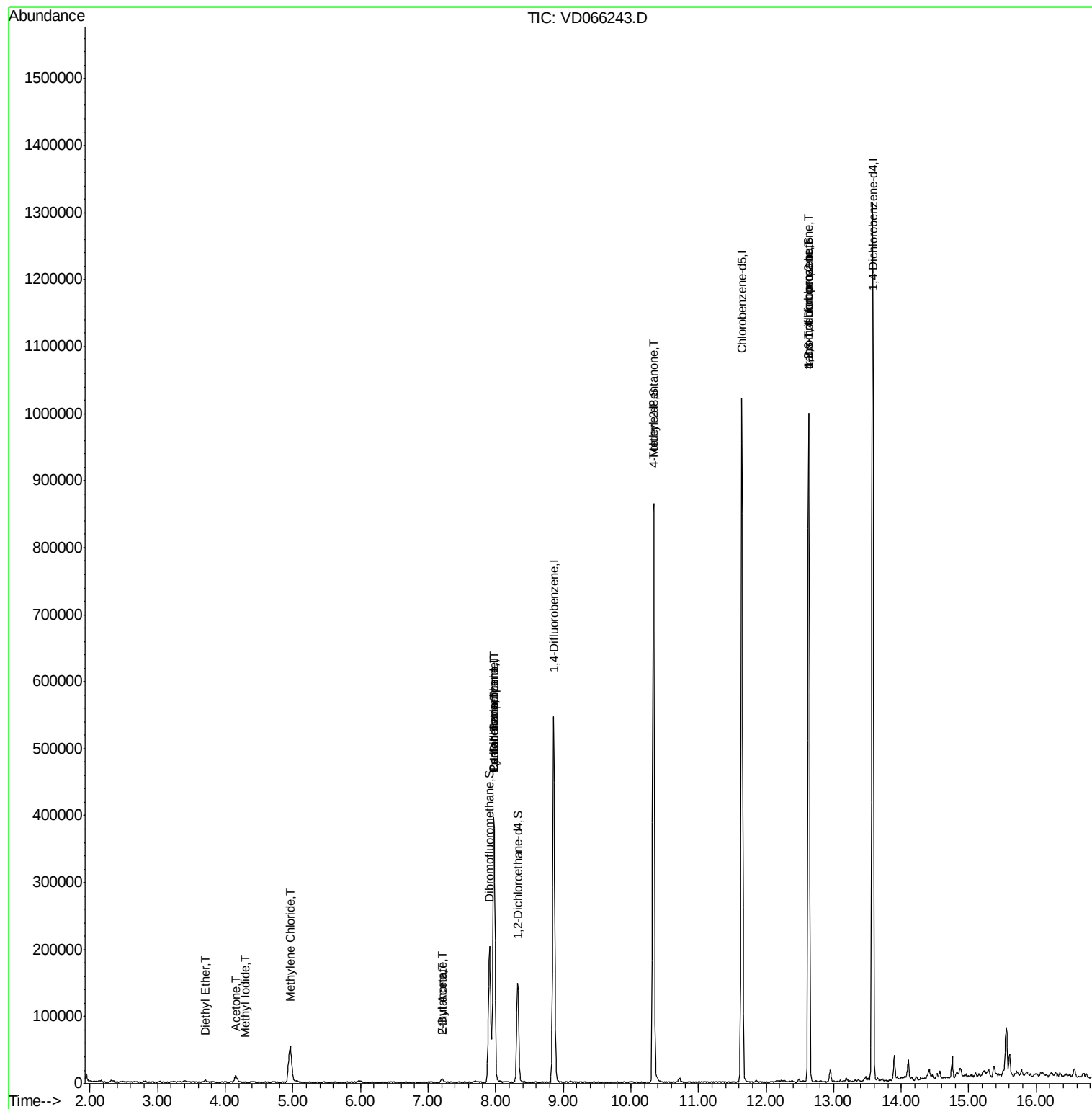
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	310886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	482847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	601435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	358015	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	120725	43.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.06%	
35) Dibromofluoromethane	7.91	113	144667	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
50) Toluene-d8	10.34	98	602077	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.63	95	301933	74.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.42%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	1439	1.037	ug/l	79
10) Methyl Iodide	4.29	142	110	6.747	ug/l #	39
11) Tert butyl alcohol	5.21	59	55	Below Cal	#	76
16) Acetone	4.16	43	17471	33.198	ug/l	89
20) Methylene Chloride	4.96	84	44057	10.933	ug/l	94
25) 2-Butanone	7.21	43	4427	5.719	ug/l	91
31) Cyclohexane	7.98	56	5680	1.169	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	21657	4.773	ug/l #	50
37) Ethyl Acetate	7.21	43	4427	2.463	ug/l #	51
38) Carbon Tetrachloride	7.97	117	30654	6.058	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2672	1.469	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	156052	52.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	156052	115.542	ug/l #	13

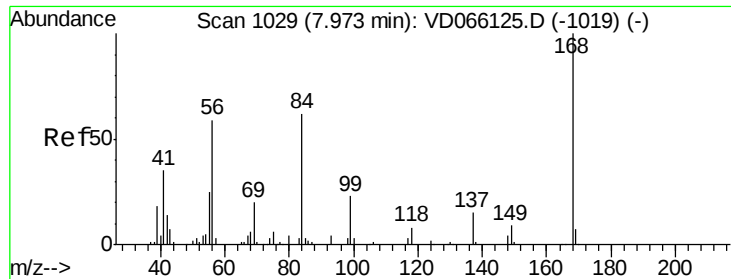
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
Data File : VD066243.D
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Quant Time: Aug 17 08:47:19 2020
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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: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

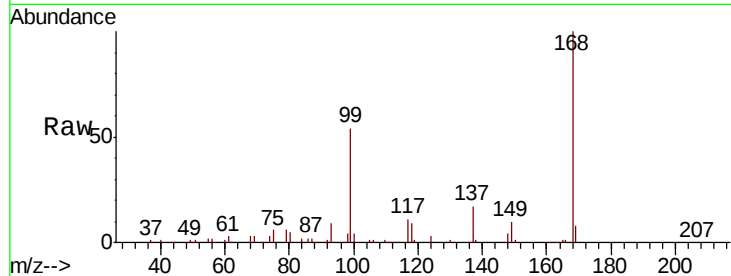
S603-M-SO-1-1.5-081320

Tot Ion:168 Resp: 310886

Ion Ratio Lower Upper

168 100

99 53.6 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

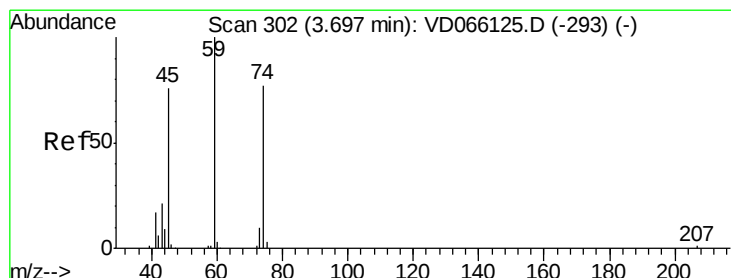
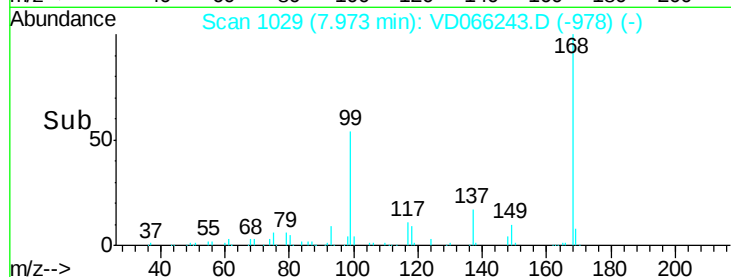
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.037 ug/l

RT: 3.70 min Scan# 302

Delta R.T. 0.00 min

Lab File: VD066243.D

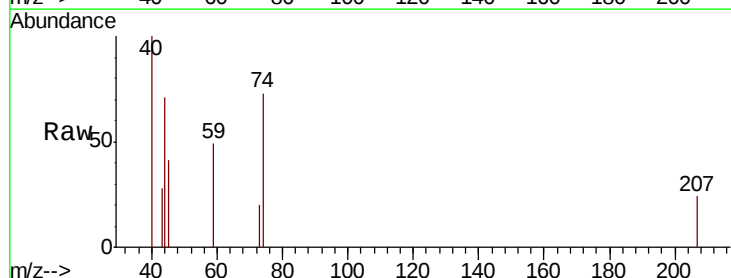
Acq: 14 Aug 2020 18:17

Tgt Ion: 74 Resp: 1439

Ion Ratio Lower Upper

74 100

45 76.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

1000

800

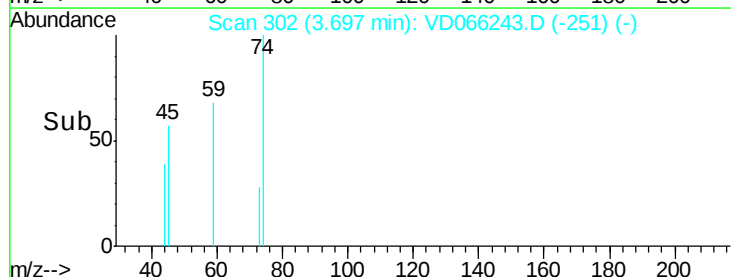
600

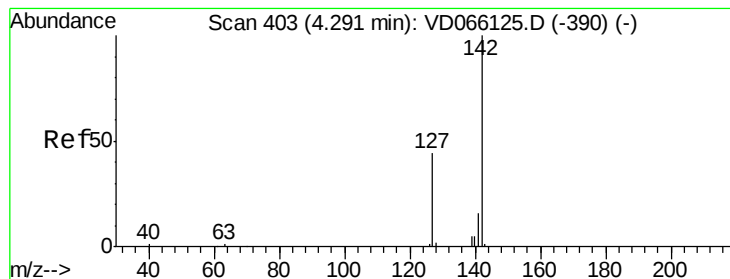
400

200

0

Time-->





#10

Methyl Iodide

Concen: 6.747 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.00 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320

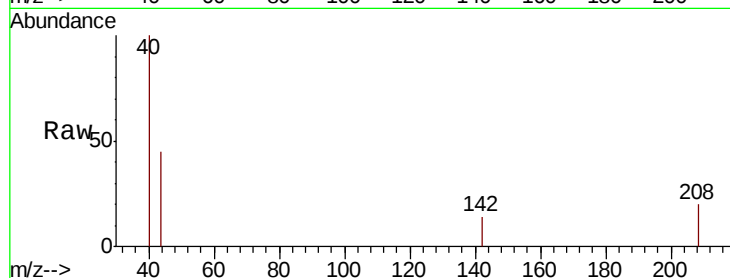
Tot Ion:142 Resp: 110

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

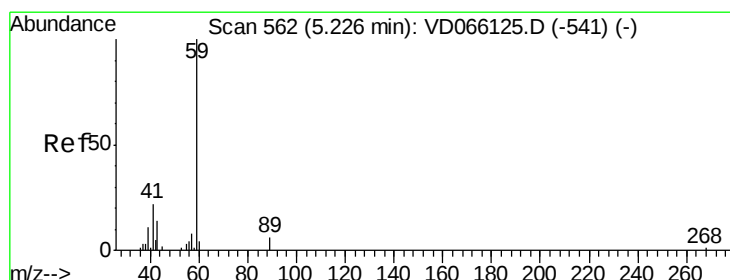
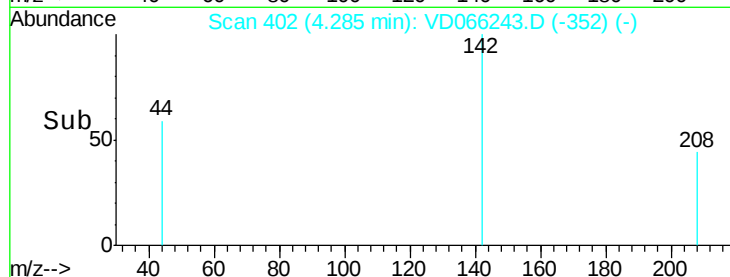
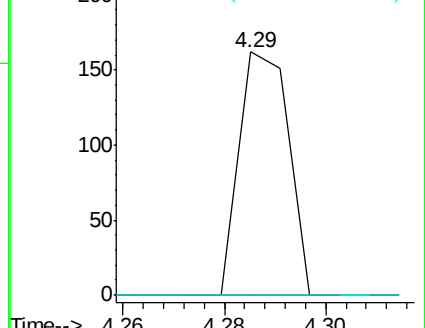
141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066243.D

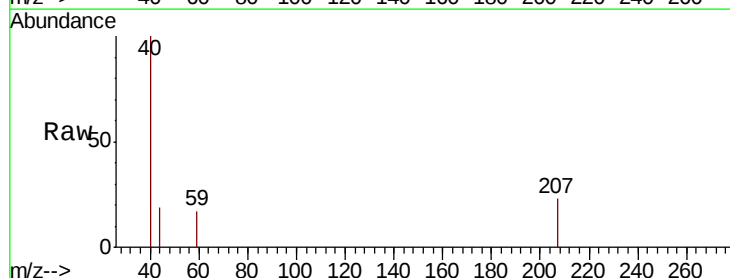
Acq: 14 Aug 2020 18:17

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

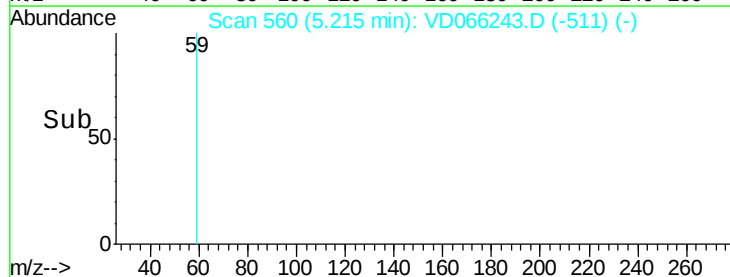
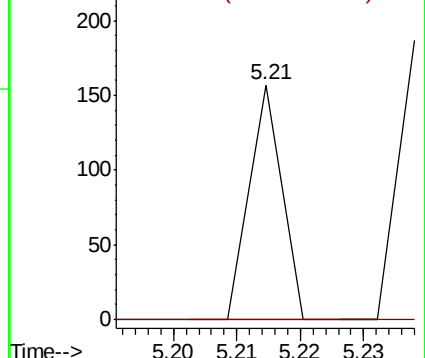
59 100

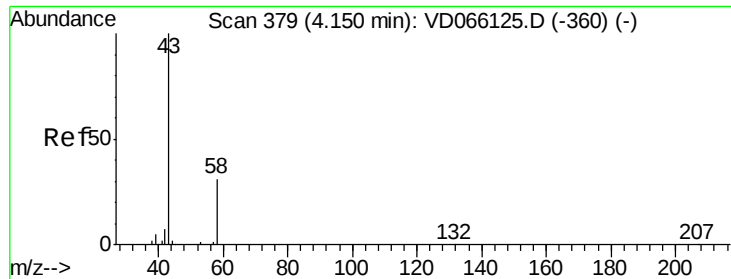
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 33.198 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

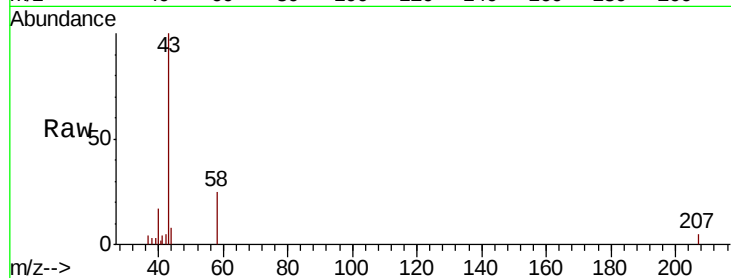
S603-M-SO-1-1.5-081320

Tot Ion: 43 Resp: 17471

Ion Ratio Lower Upper

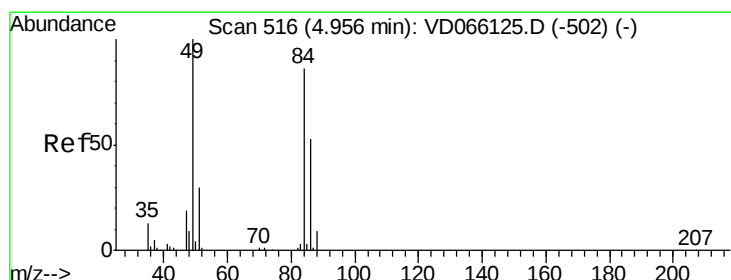
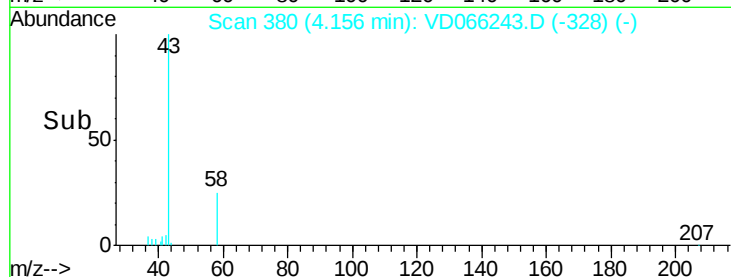
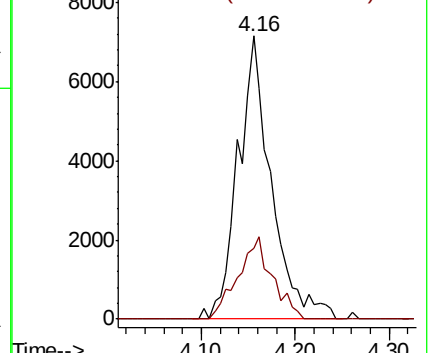
43 100

58 24.9 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: 10.933 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

Tgt Ion: 84 Resp: 44057

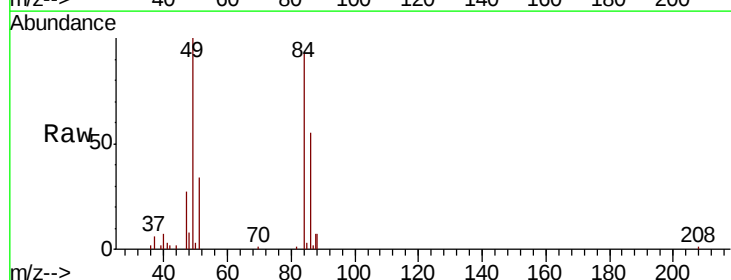
Ion Ratio Lower Upper

84 100

49 107.7 93.5 140.3

51 36.3 28.2 42.4

86 58.9 49.5 74.3

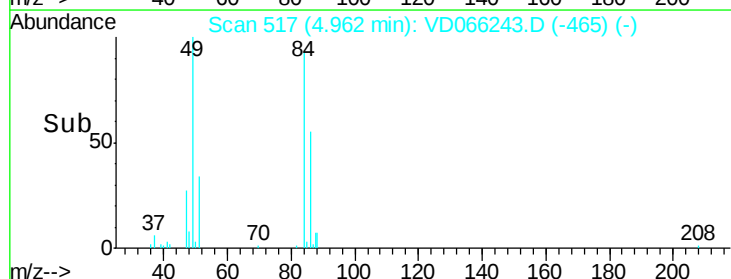
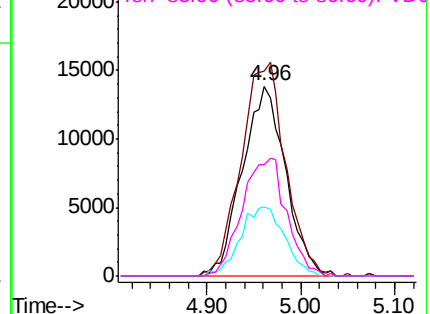


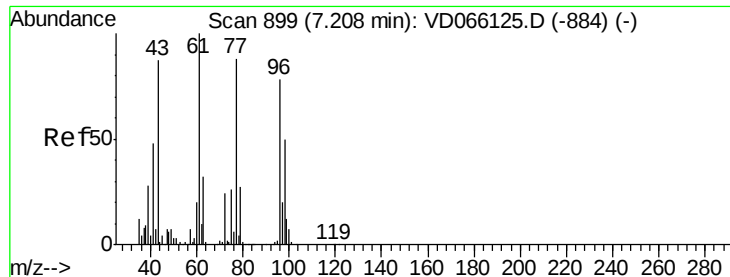
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 5.719 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

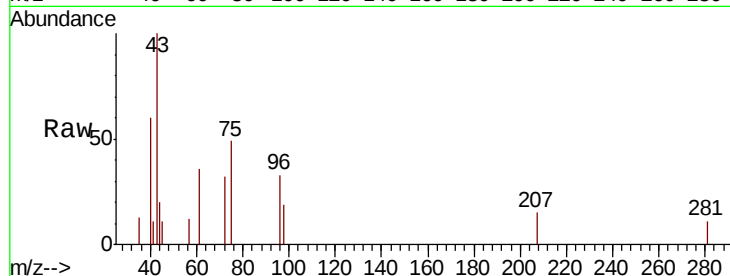
S603-M-SO-1-1.5-081320

Tot Ion: 43 Resp: 4427

Ion Ratio Lower Upper

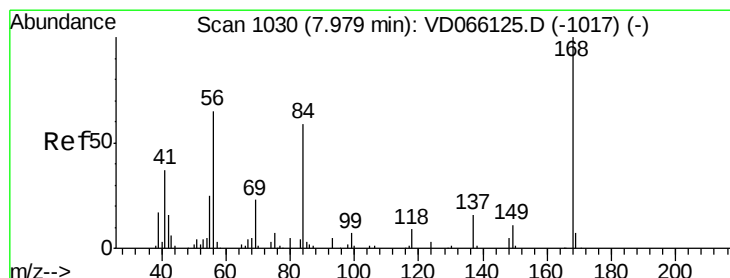
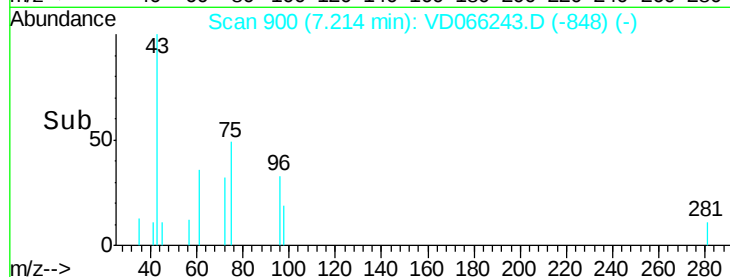
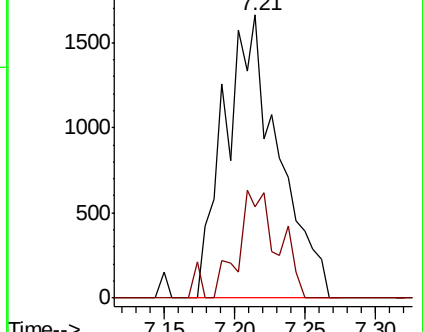
43 100

72 32.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

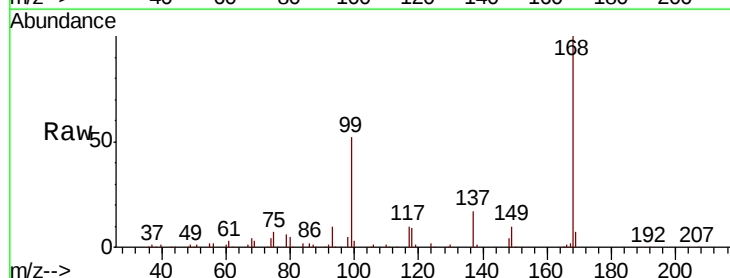
Tgt Ion: 56 Resp: 5680

Ion Ratio Lower Upper

56 100

69 153.0 28.8 43.2#

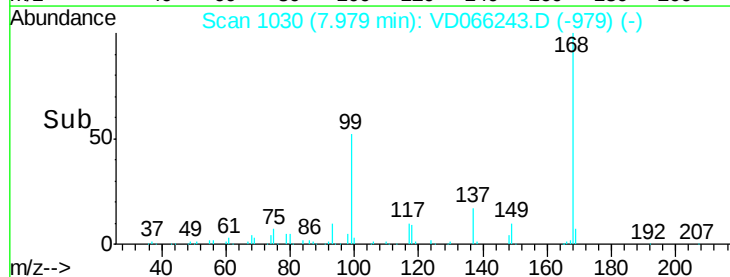
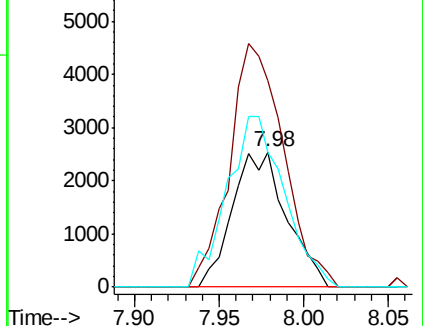
84 100.0 73.0 109.6

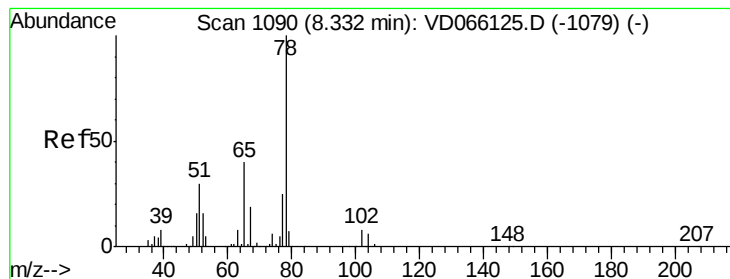


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 43.527 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

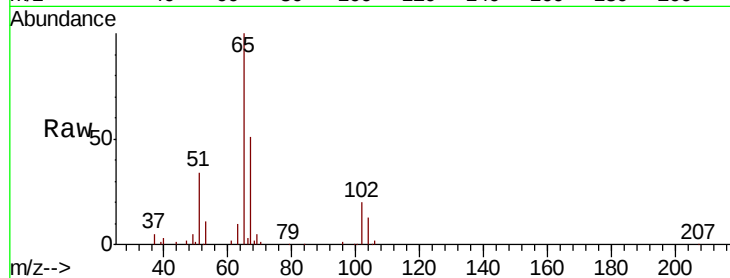
S603-M-SO-1-1.5-081320

Tot Ion: 65 Resp: 120725

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

30000

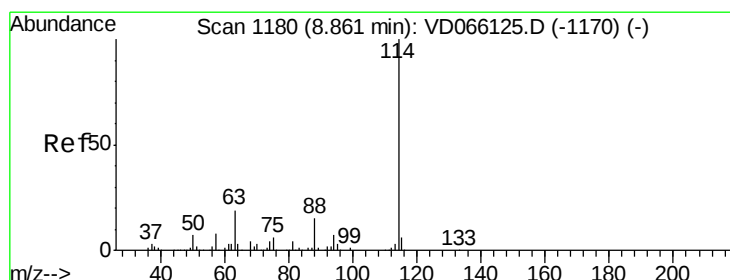
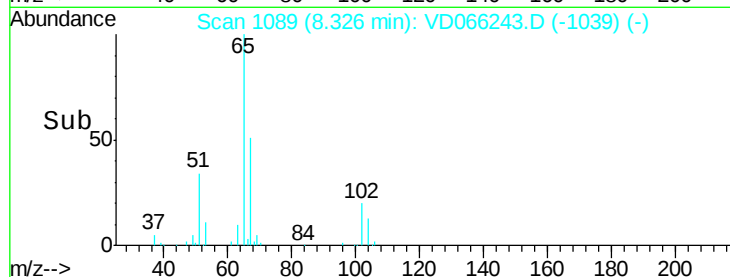
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

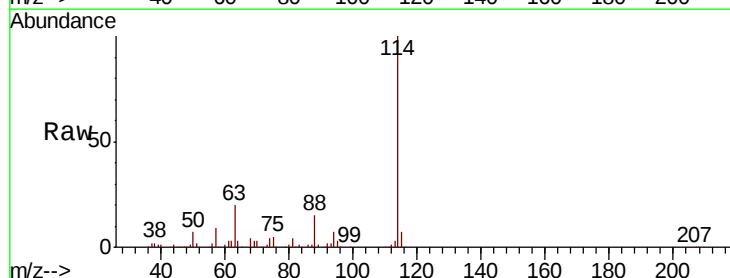
Tgt Ion: 114 Resp: 482847

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

88 14.9 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

8.86

300000

250000

200000

150000

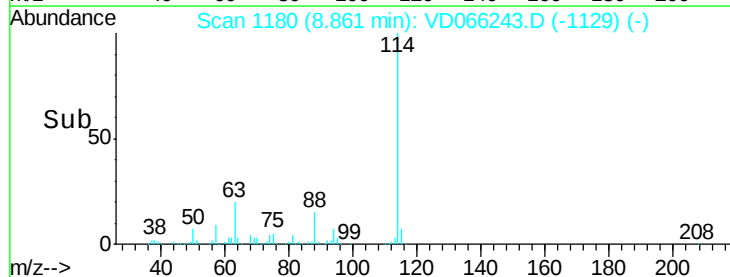
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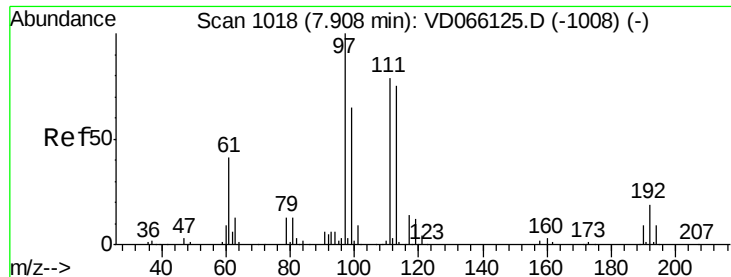
50000

0

8.80 8.90 9.00

Time-->

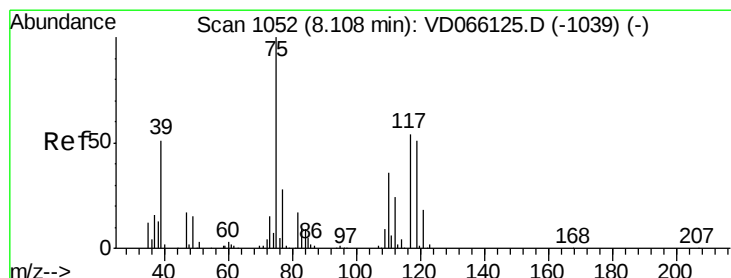
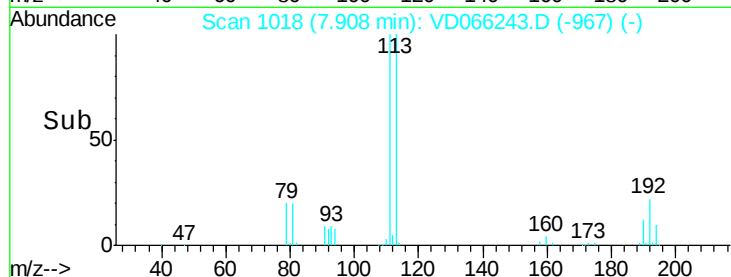
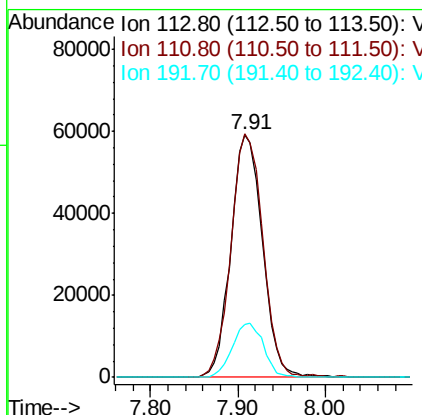
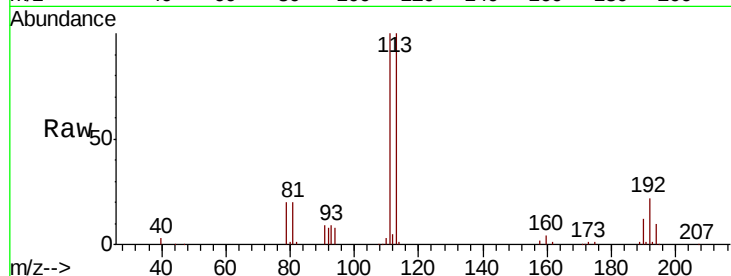




#35
 Dibromofluoromethane
 Concen: 47.296 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066243.D
 Acq: 14 Aug 2020 18:17

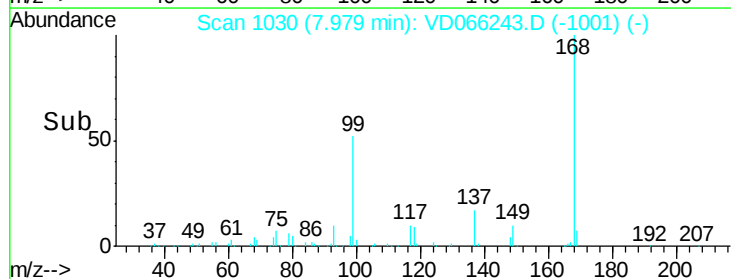
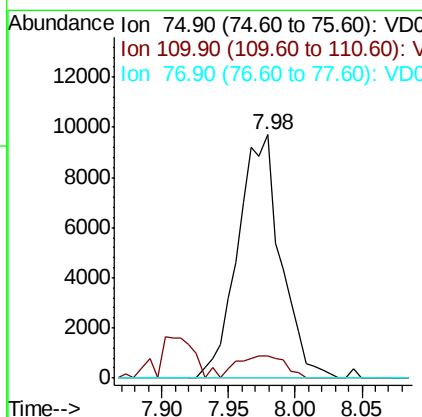
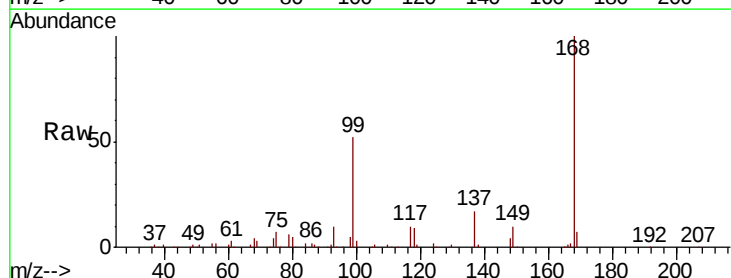
Instrument :
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 S603-M-SO-1-1.5-081320

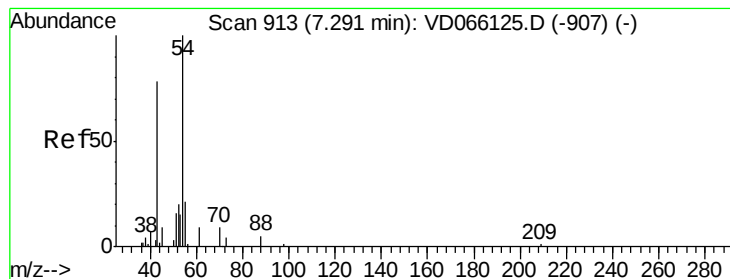
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	80.7	121.1
192	22.0	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066243.D
 Acq: 14 Aug 2020 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.8	56.3#
77	0.0	24.2	36.2#





#37

Ethyl Acetate

Concen: 2.463 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320

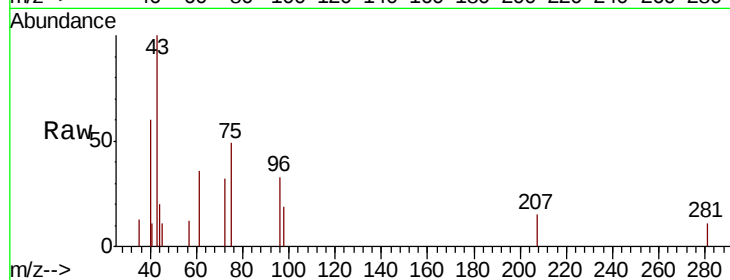
Tot Ion: 43 Resp: 4427

Ion Ratio Lower Upper

43 100

61 41.2 12.0 18.0#

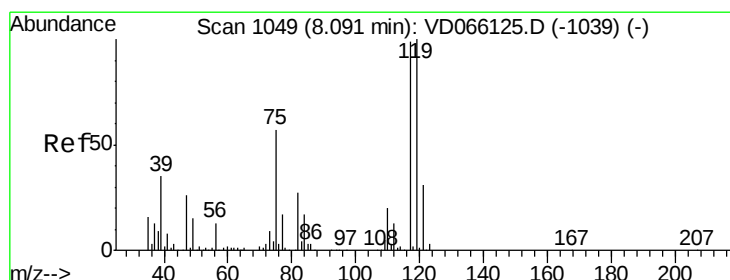
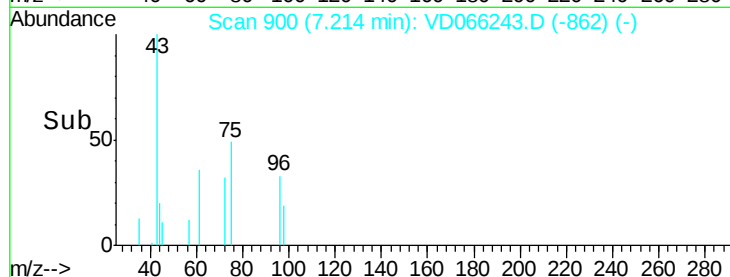
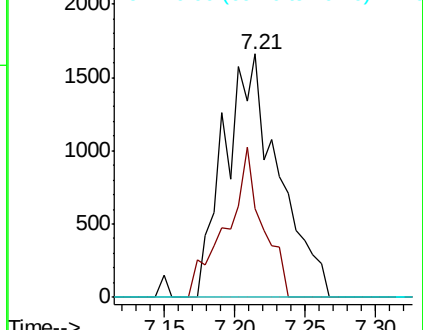
70 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.058 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

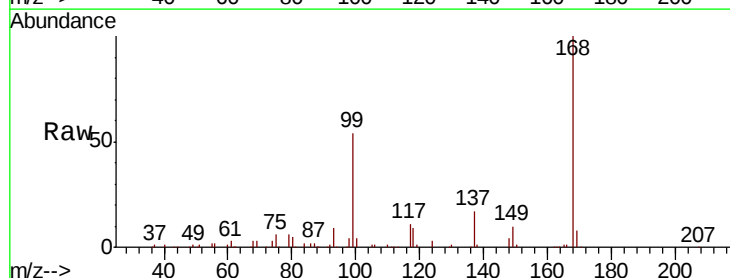
Tgt Ion: 117 Resp: 30654

Ion Ratio Lower Upper

117 100

119 5.0 81.0 121.4#

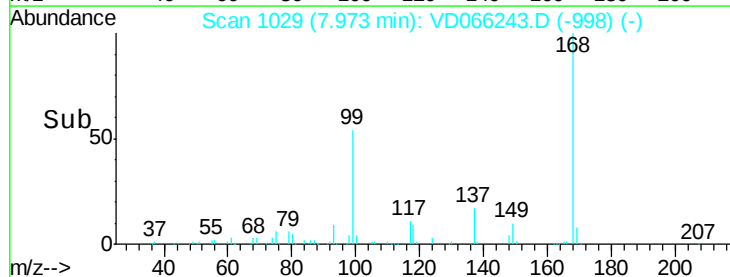
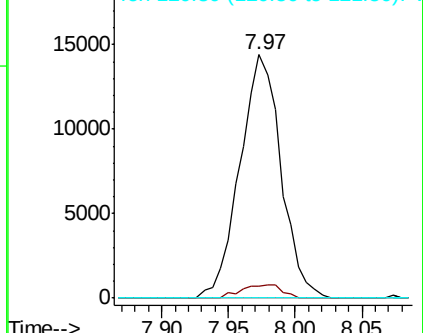
121 0.0 24.8 37.2#

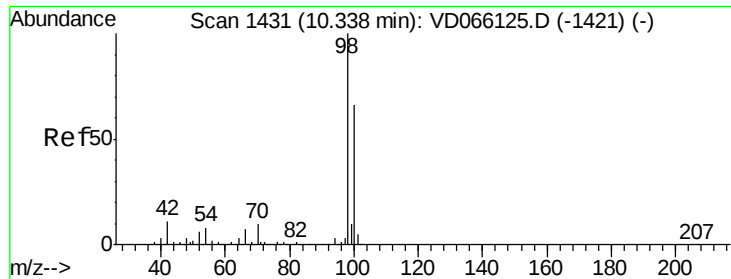


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

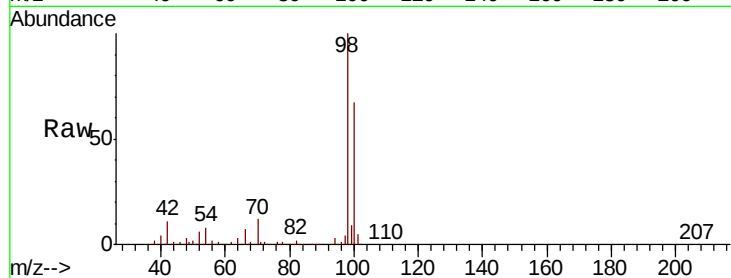




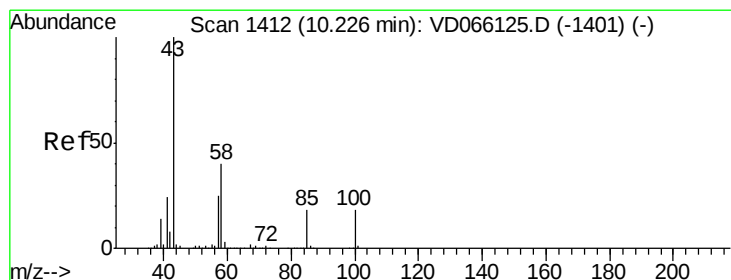
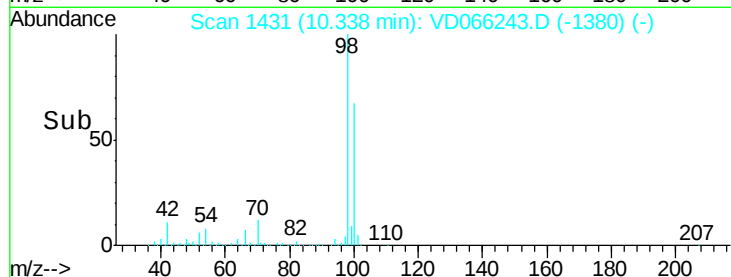
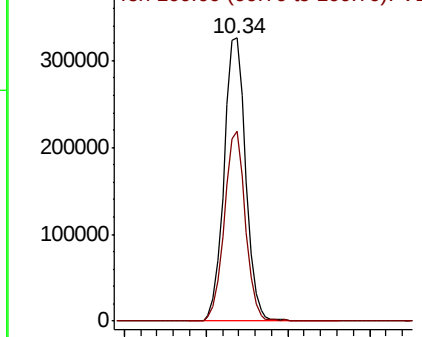
#50
Toluene-d8
Concen: 53.339 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066243.D
Acq: 14 Aug 2020 18:17

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

Tot Ion: 98 Resp: 602077
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

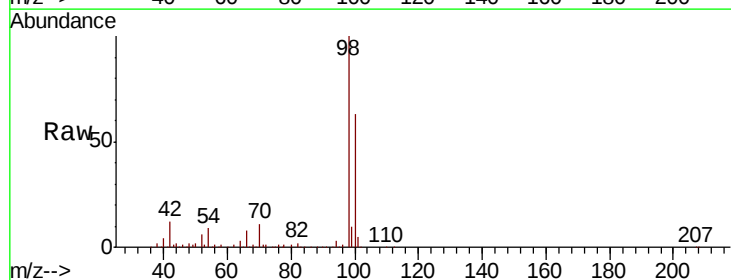


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

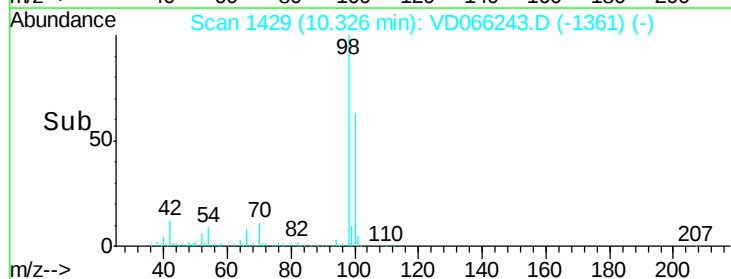
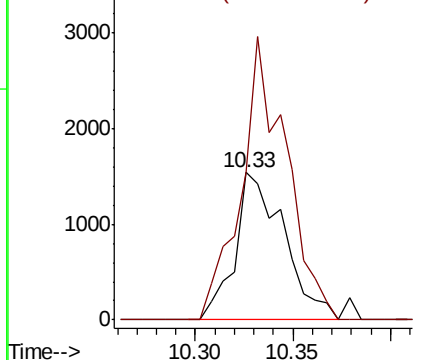


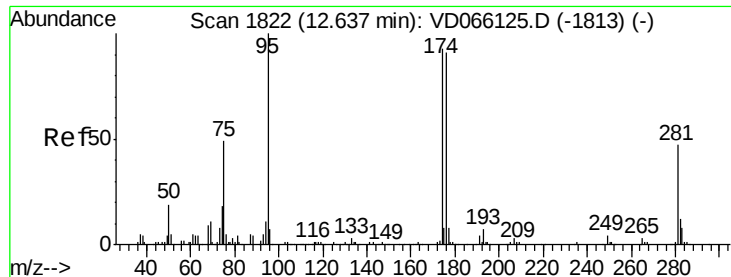
#51
4-Methyl-2-Pentanone
Concen: 1.469 ug/l
RT: 10.33 min Scan# 1429
Delta R.T. 0.10 min
Lab File: VD066243.D
Acq: 14 Aug 2020 18:17

Tgt Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
58 177.5 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

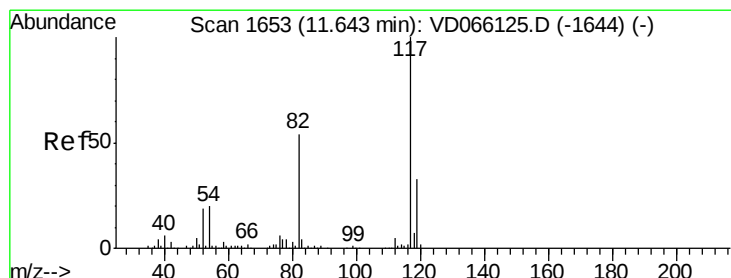
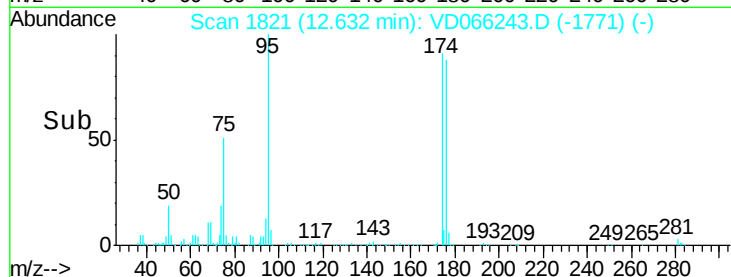
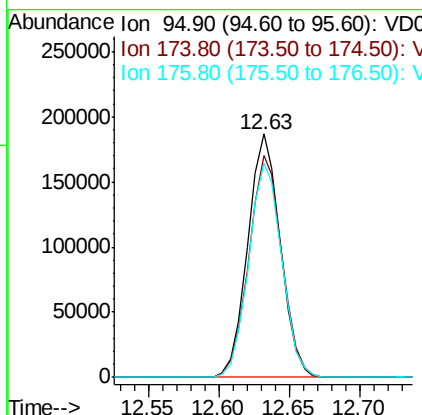
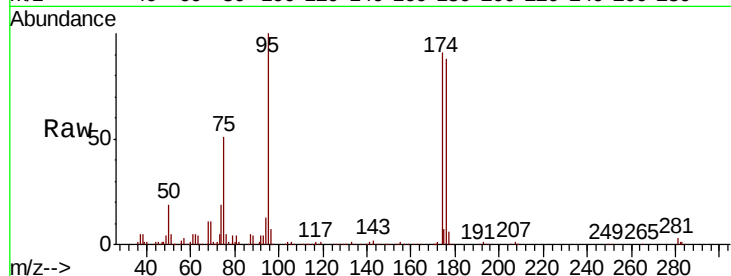




#62
4-Bromofluorobenzene
Concen: 74.208 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066243.D
Acq: 14 Aug 2020 18:17

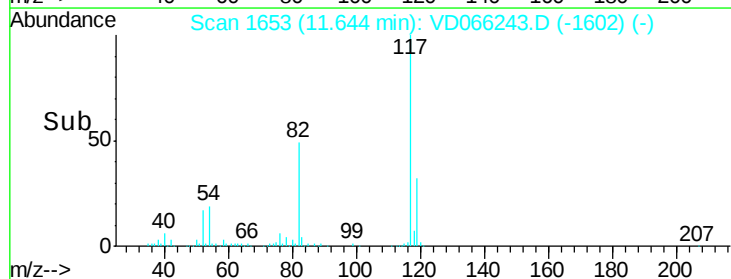
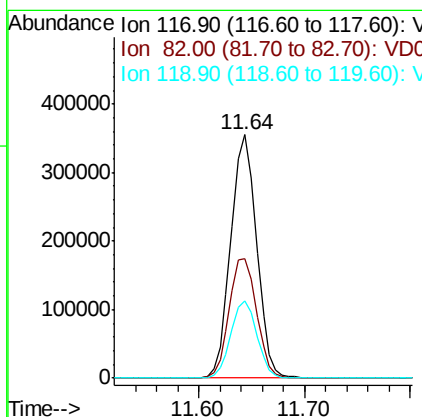
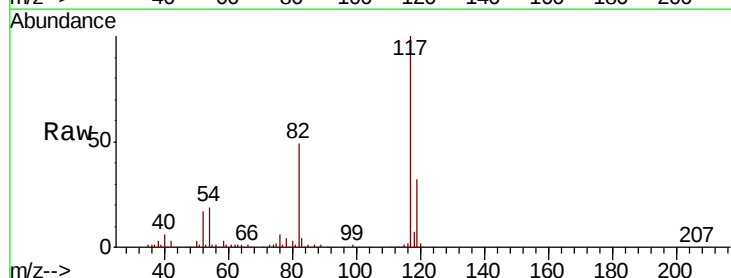
Instrument :
MSVOA_D
ClientSampleId :
S603-M-SO-1-1.5-081320

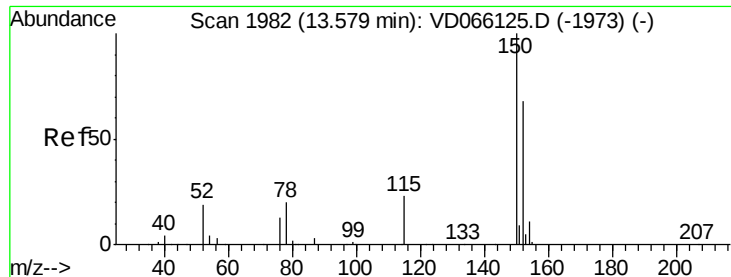
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	180.8
176	89.4	0.0	181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066243.D
Acq: 14 Aug 2020 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.0	43.0	64.4
119	31.8	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: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320

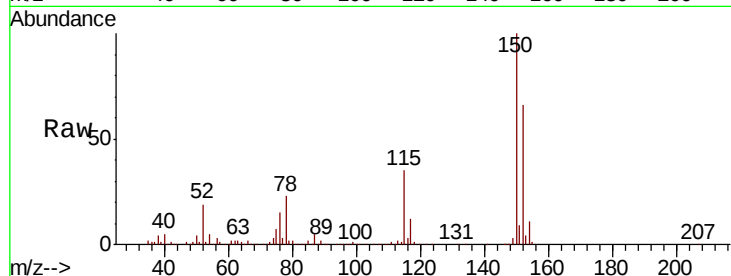
Tot Ion:152 Resp: 358015

Ion Ratio Lower Upper

152 100

115 55.5 28.0 83.9

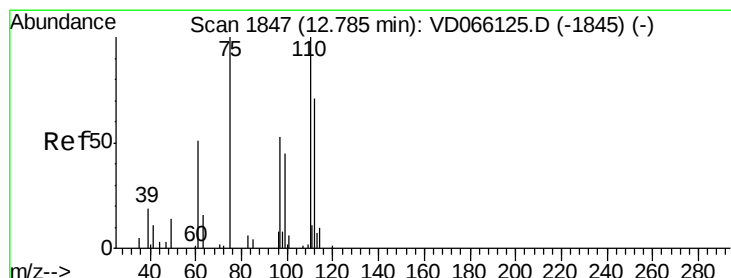
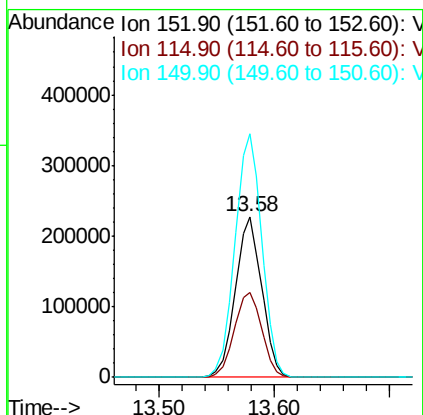
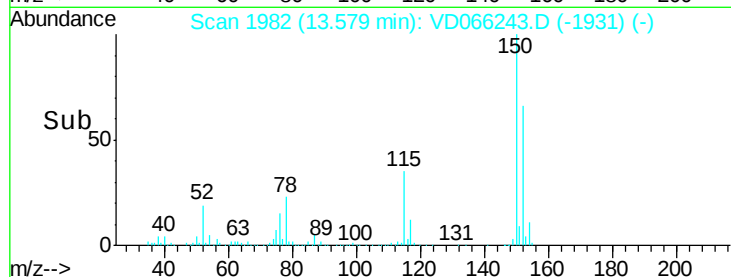
150 155.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 52.268 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066243.D

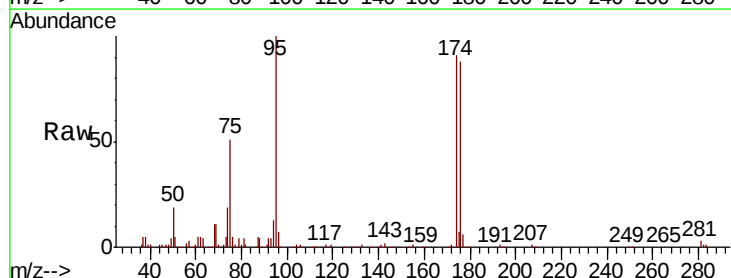
Acq: 14 Aug 2020 18:17

Tgt Ion: 75 Resp: 156052

Ion Ratio Lower Upper

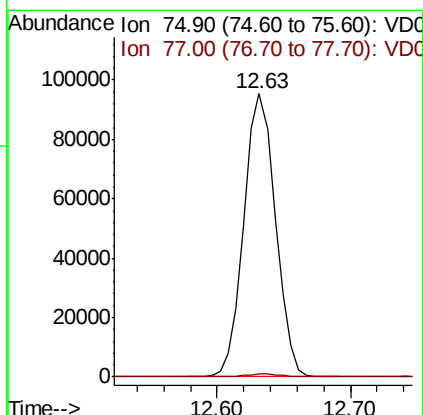
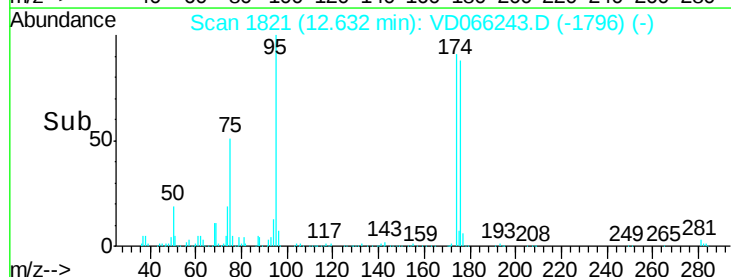
75 100

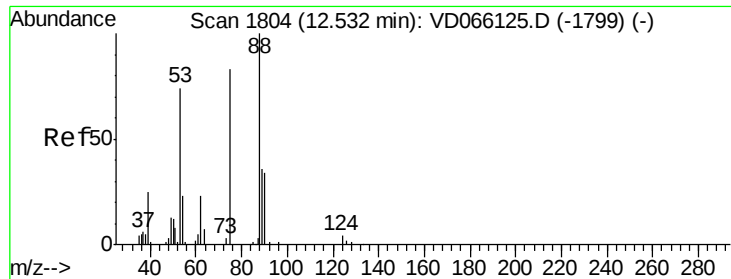
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 115.542 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066243.D

Acq: 14 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320

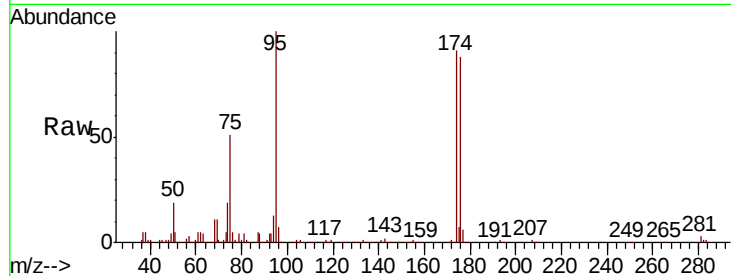
Tot Ion: 75 Resp: 156052

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

