

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066244.D
 Acq On : 14 Aug 2020 18:45
 Operator : VA/SY
 Sample : L3691-02
 Misc : 8.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 17 08:47:37 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	315383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	478026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	602390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	360902	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	122754	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	
35) Dibromofluoromethane	7.91	113	143423	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	10.33	98	599892	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.63	95	308357	76.55	ug/l	0.00
Spiked Amount			Recovery	=	153.10%	

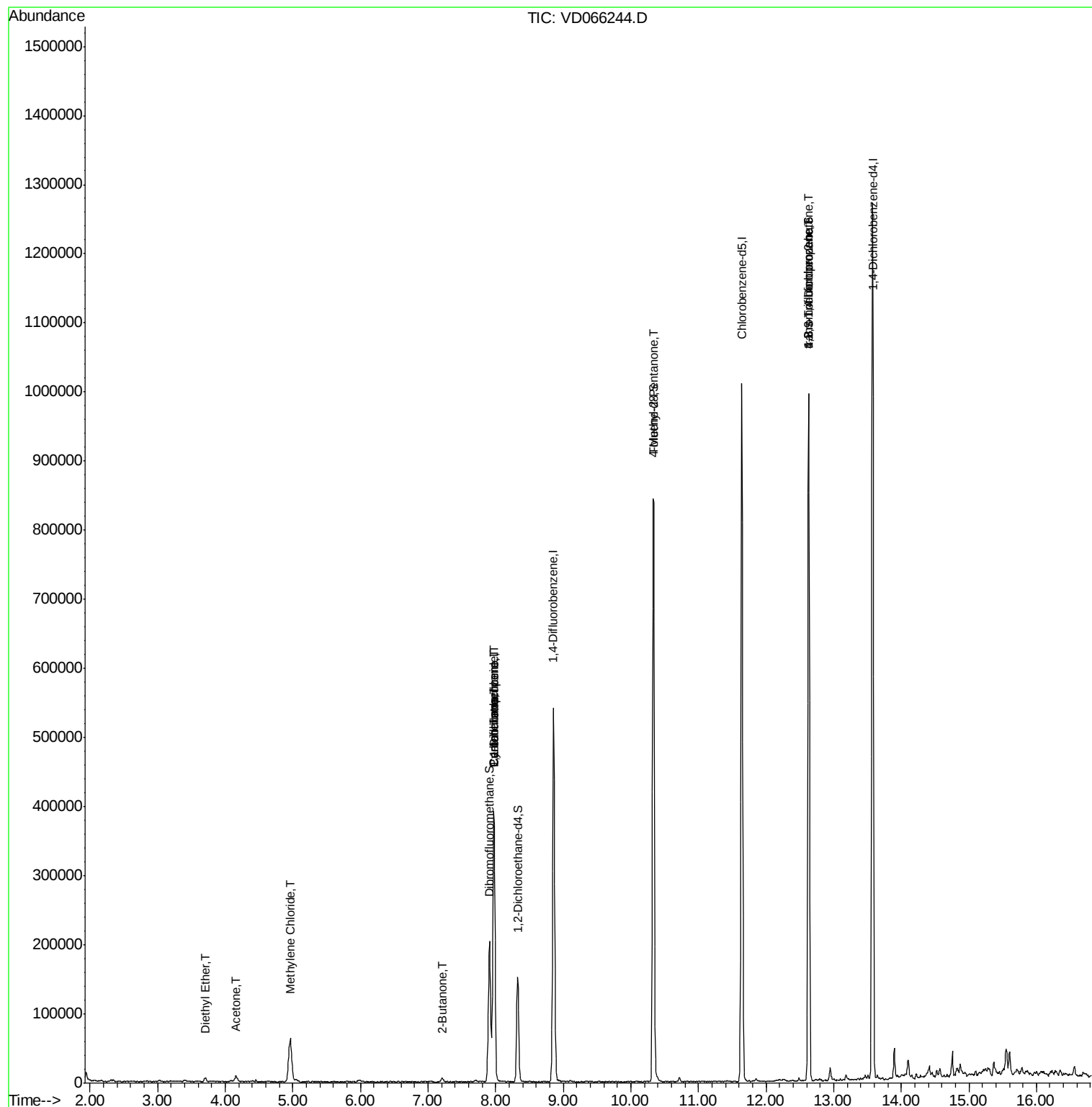
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2723	1.934	ug/l #	1
11) Tert butyl alcohol	5.23	59	289	Below Cal	#	76
16) Acetone	4.16	43	15580	29.183	ug/l #	81
20) Methylene Chloride	4.96	84	49947	12.822	ug/l	93
25) 2-Butanone	7.21	43	4093	5.212	ug/l #	83
31) Cyclohexane	7.97	56	6754	1.370	ug/l #	36
36) 1,1-Dichloropropene	7.97	75	20054	4.464	ug/l #	52
38) Carbon Tetrachloride	7.97	117	29968	5.983	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	2687	1.492	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	158046	52.513	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	158046	116.083	ug/l #	13

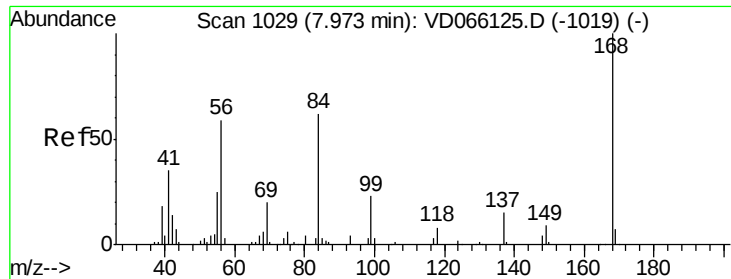
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
Data File : VD066244.D
Acq On : 14 Aug 2020 18:45
Operator : VA/SY
Sample : L3691-02
Misc : 8.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 17 08:47:37 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: VD066244.D

Acq: 14 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

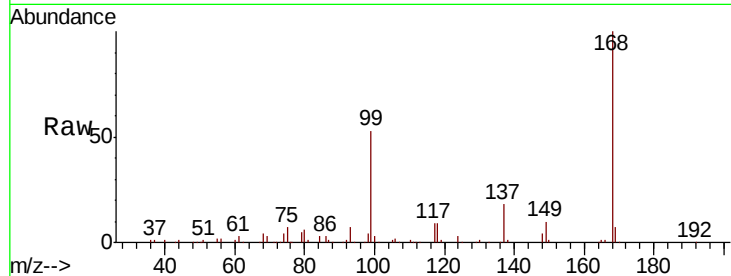
S603-M-SO-1-1.5-081320-FD

Tot Ion:168 Resp: 315383

Ion Ratio Lower Upper

168 100

99 53.2 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

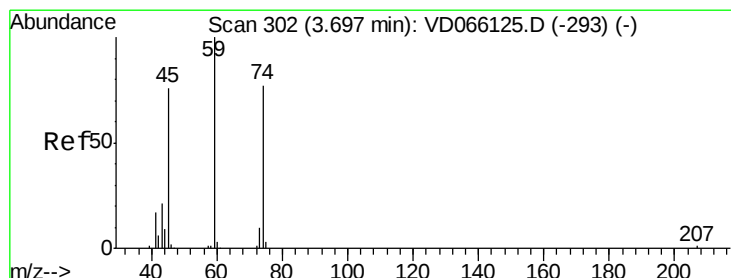
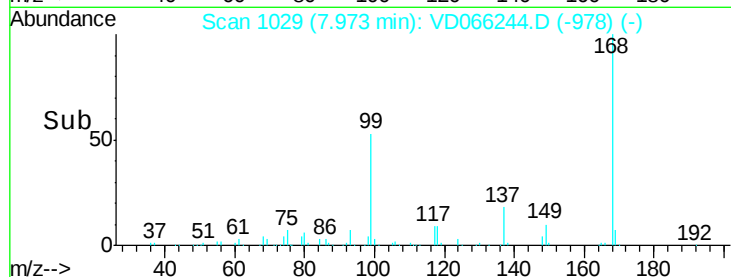
100000

50000

0

Time-->

7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.934 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD066244.D

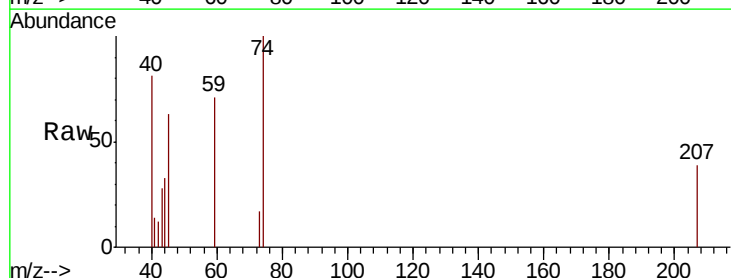
Acq: 14 Aug 2020 18:45

Tgt Ion: 74 Resp: 2723

Ion Ratio Lower Upper

74 100

45 0.0 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

1500

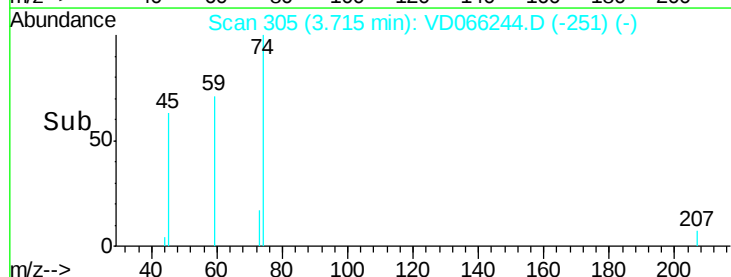
1000

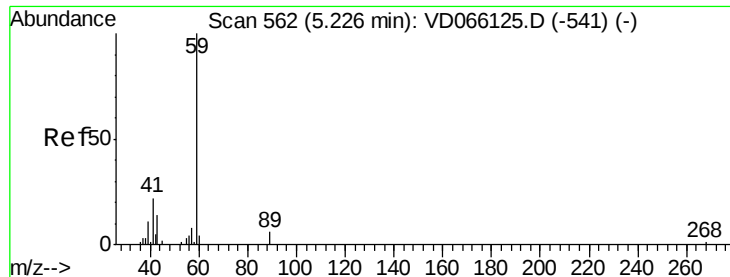
500

0

Time-->

3.65 3.70 3.75



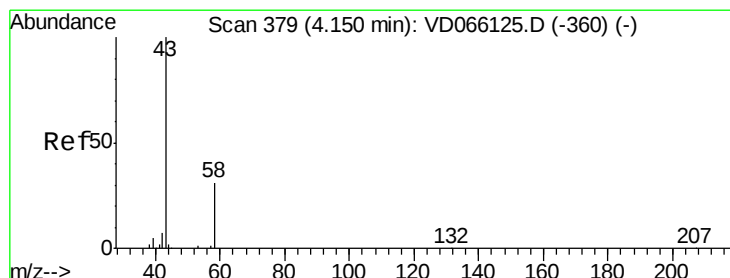
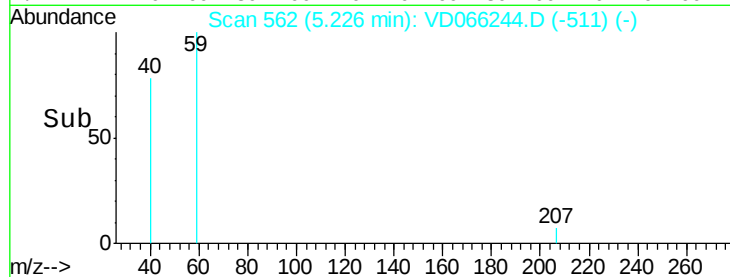
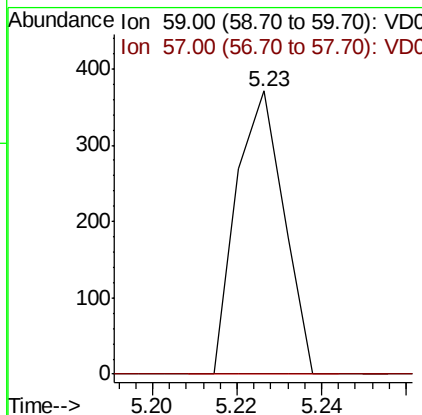
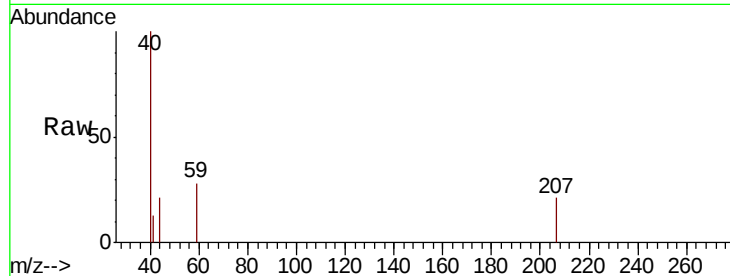


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066244.D
 Acq: 14 Aug 2020 18:45

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

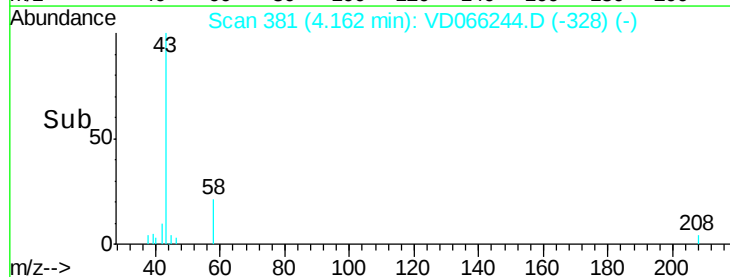
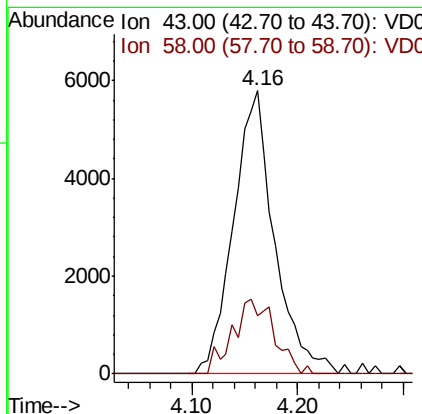
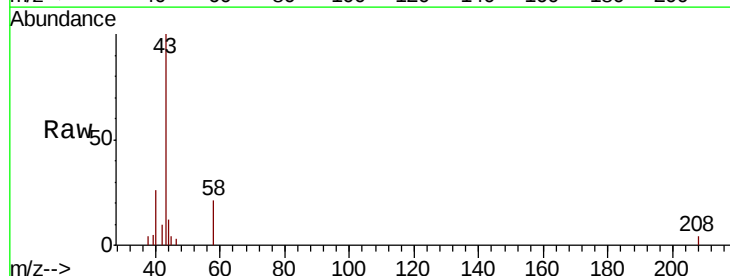
Tot Ion: 59 Resp: 289
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

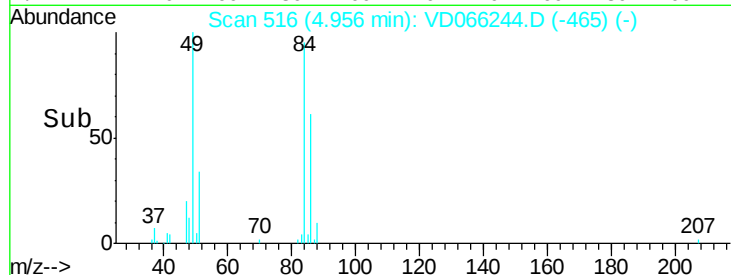
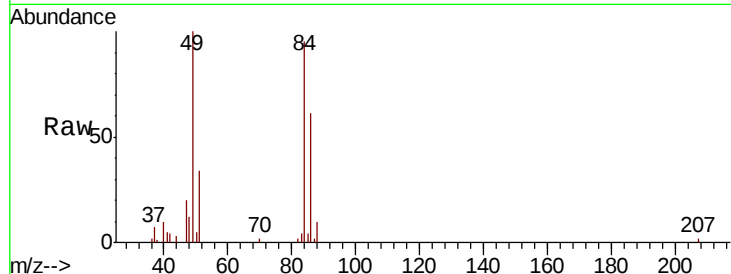
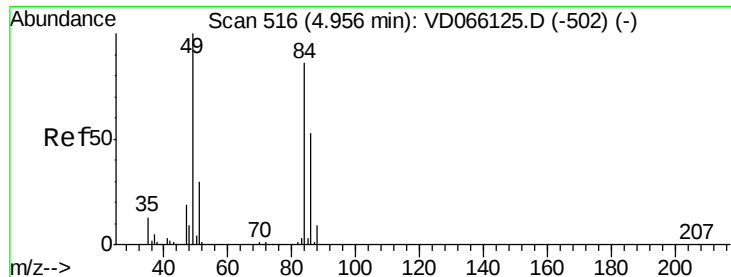


#16

Acetone
 Concen: 29.183 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066244.D
 Acq: 14 Aug 2020 18:45

Tgt Ion: 43 Resp: 15580
 Ion Ratio Lower Upper
 43 100
 58 20.7 24.7 37.1#

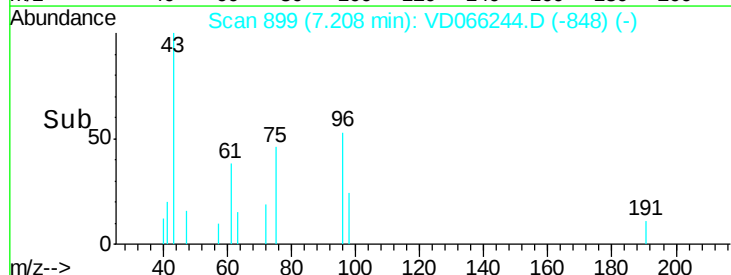
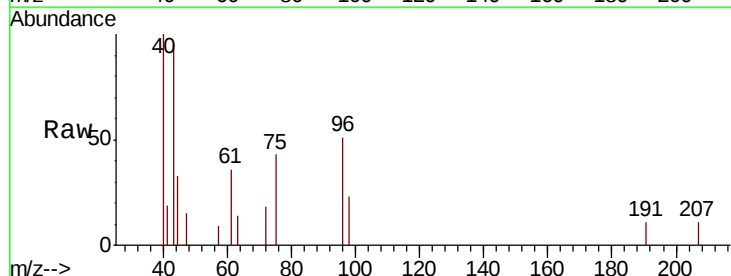
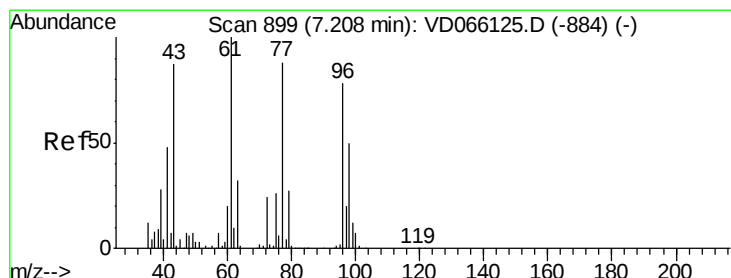
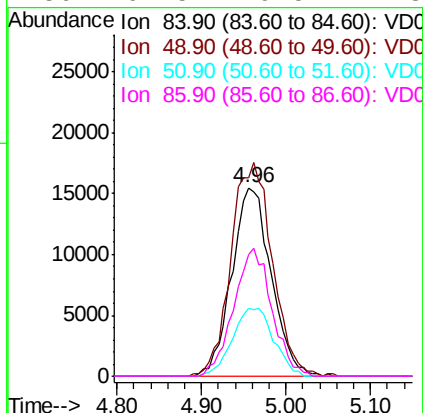




#20
Methvlene Chloride
Concen: 12.822 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066244.D
Acq: 14 Aug 2020 18:45

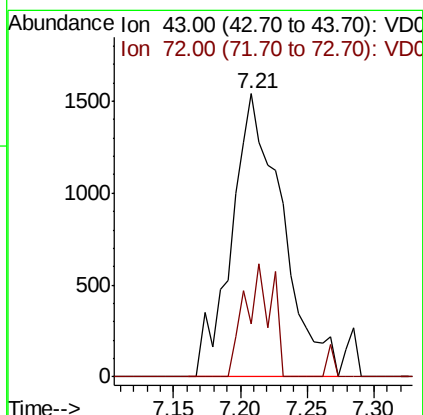
Instrument :
MSVOA_D
ClientSampleId :
S603-M-SO-1-1.5-081320-FD

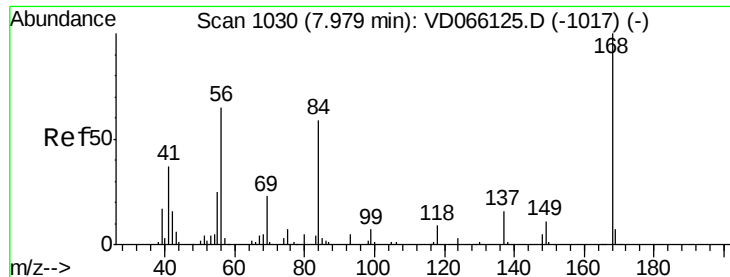
Tot Ion:	84	Resp:	49947
Ion	Ratio	Lower	Upper
84	100		
49	105.4	93.5	140.3
51	35.9	28.2	42.4
86	64.5	49.5	74.3



#25
2-Butanone
Concen: 5.212 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066244.D
Acq: 14 Aug 2020 18:45

Tgt Ion:	43	Resp:	4093
Ion	Ratio	Lower	Upper
43	100		
72	18.6	22.2	33.2#

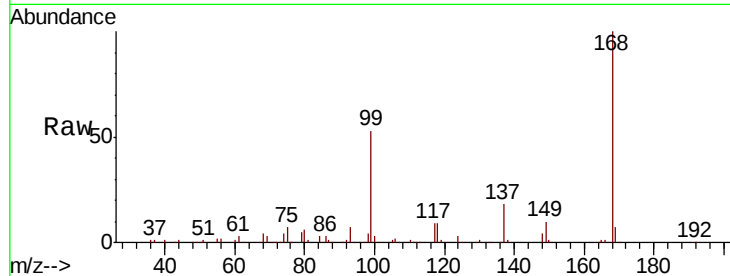




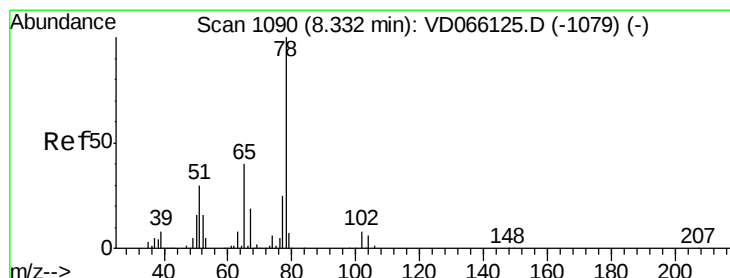
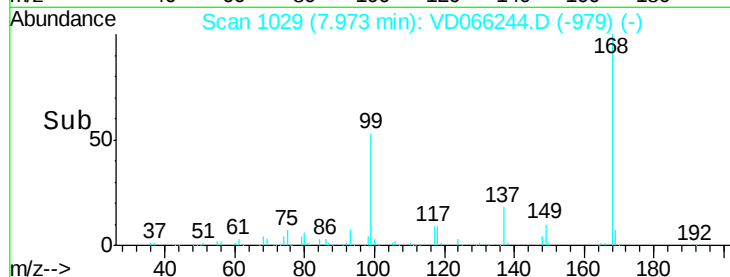
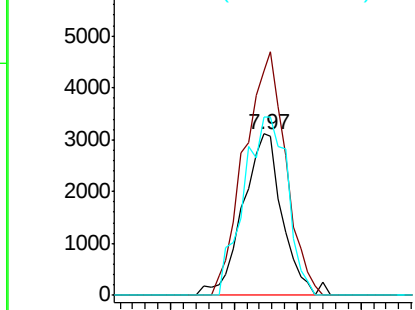
#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066244.D
Acq: 14 Aug 2020 18:45

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

Tot Ion: 56 Resp: 6754
Ion Ratio Lower Upper
56 100
69 139.2 28.8 43.2#
84 110.9 73.0 109.6#

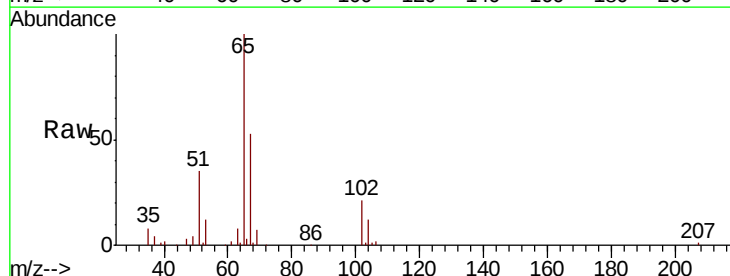


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

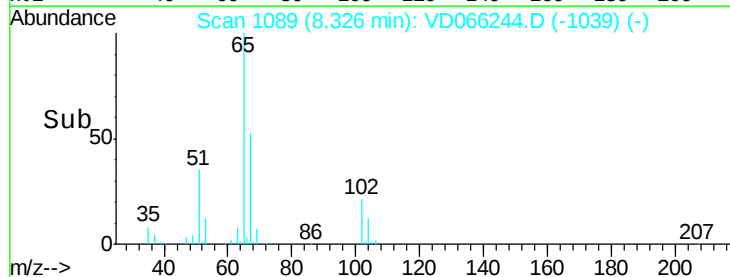
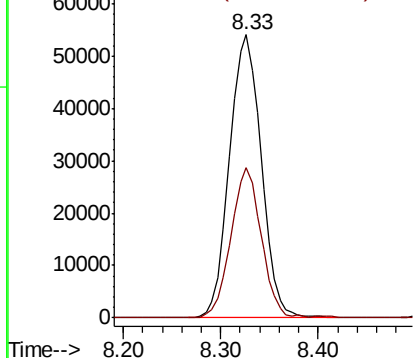


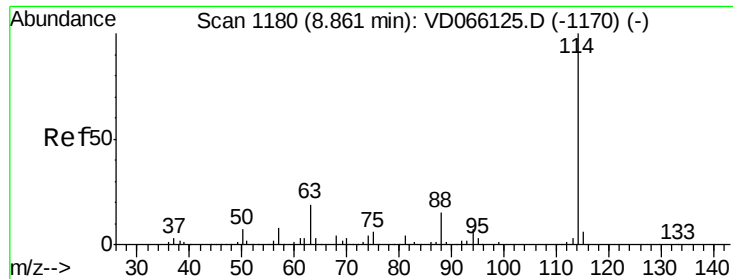
#33
1,2-Dichloroethane-d4
Concen: 43.627 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066244.D
Acq: 14 Aug 2020 18:45

Tgt Ion: 65 Resp: 122754
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

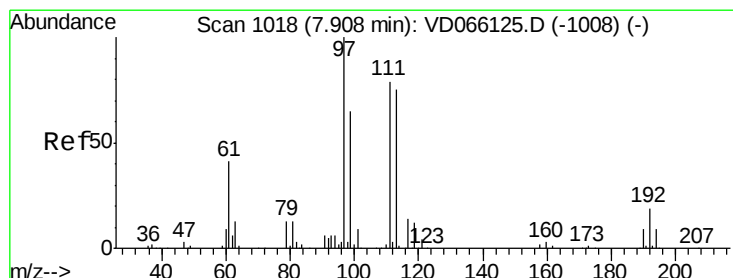
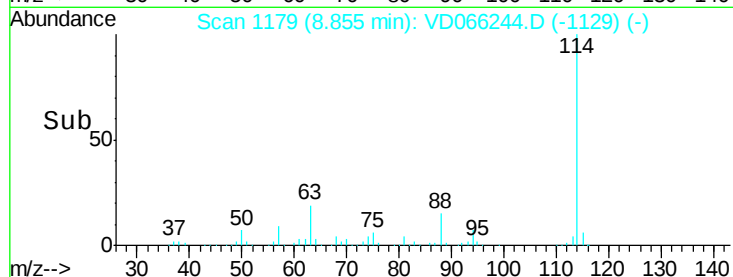
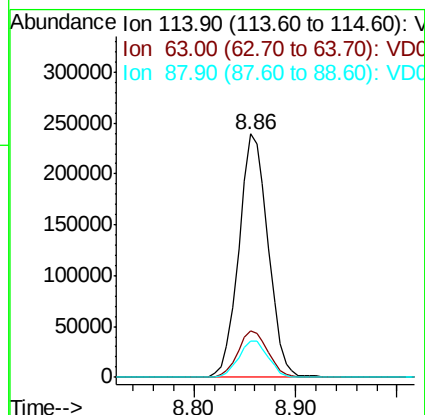
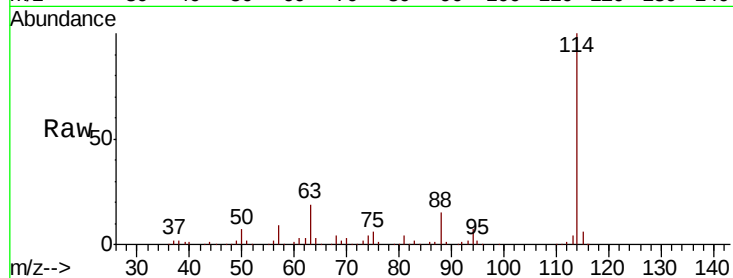




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066244.D
 Acq: 14 Aug 2020 18:45

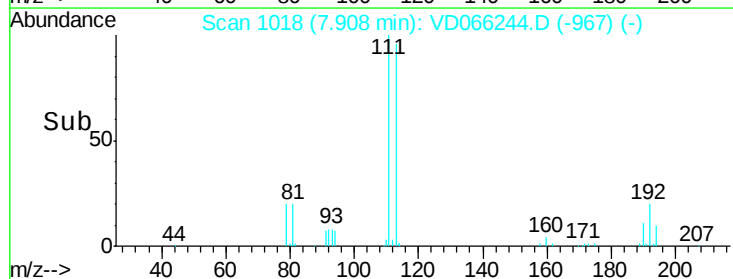
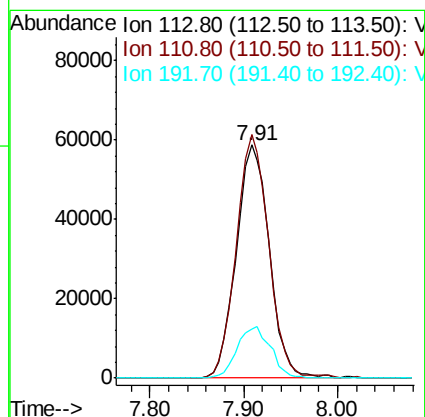
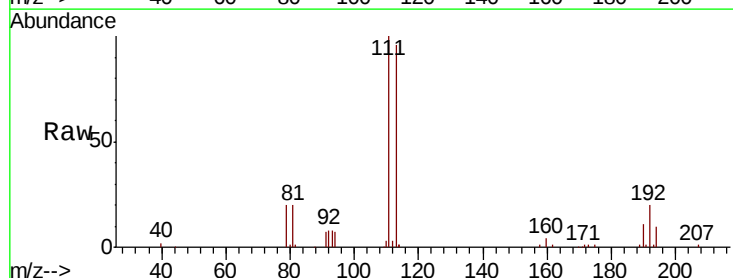
Instrument :
 MSVOA_D
 ClientSampleId :
 S603-M-SO-1-1.5-081320-FD

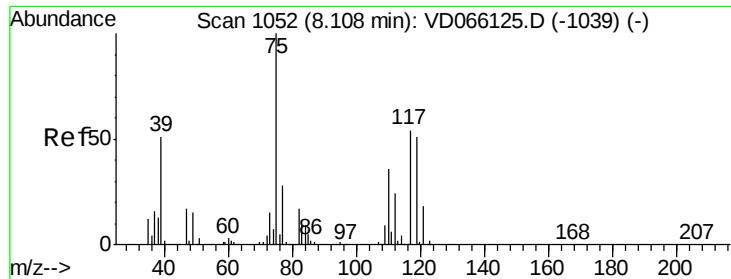
Tot Ion:114 Resp: 478026
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 14.8 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 47.362 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066244.D
 Acq: 14 Aug 2020 18:45

Tgt Ion:113 Resp: 143423
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.7 121.1
 192 22.6 18.4 27.6

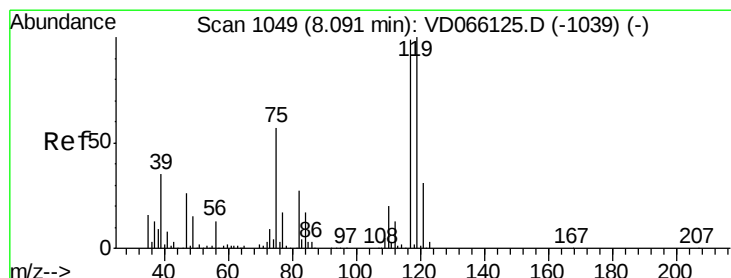
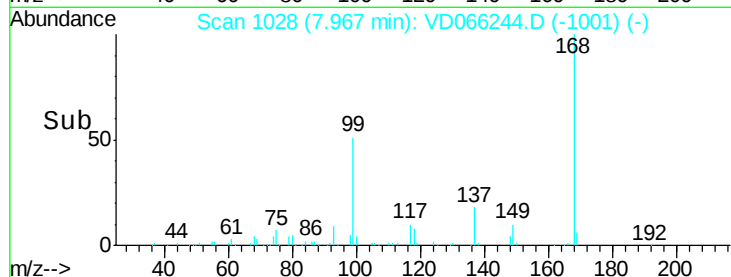
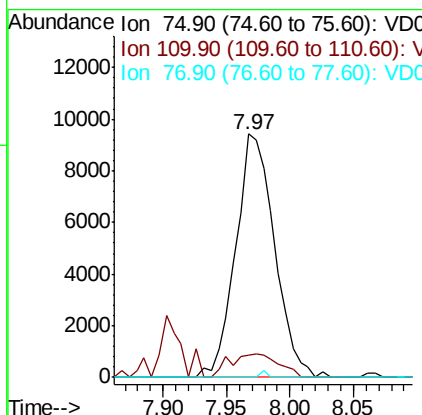
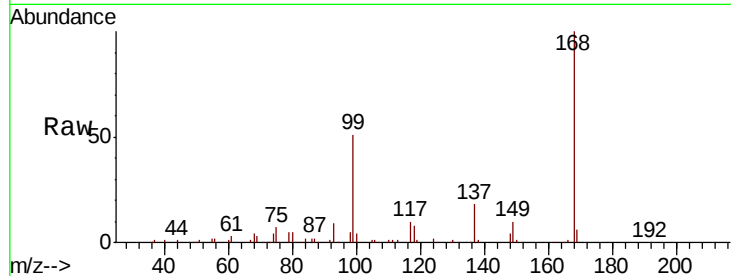




#36
 1,1-Dichloropropene
 Concen: 4.464 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066244.D
 Acq: 14 Aug 2020 18:45

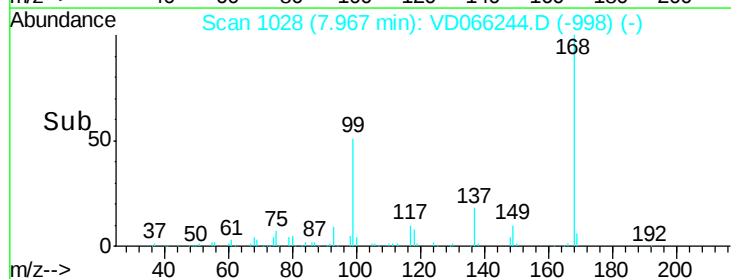
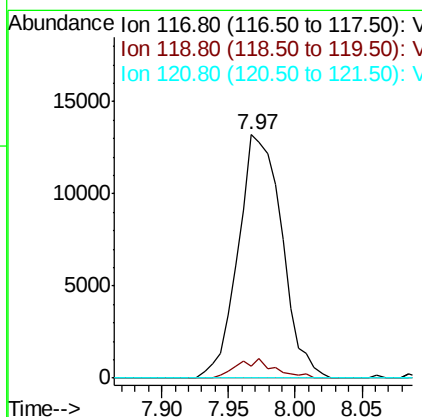
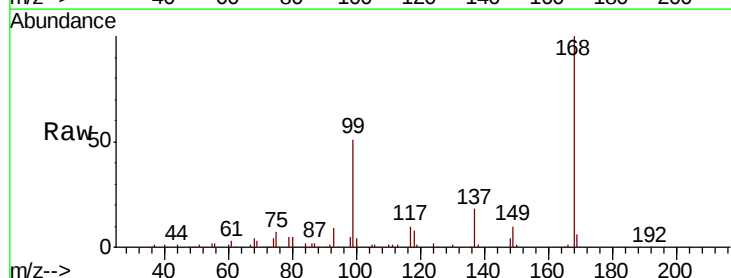
Instrument :
 MSVOA_D
 ClientSampleId :
 S603-M-SO-1-1.5-081320-FD

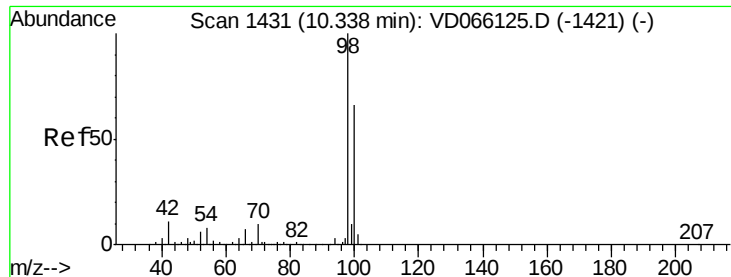
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.3	18.8	56.3#
77	0.4	24.2	36.2#

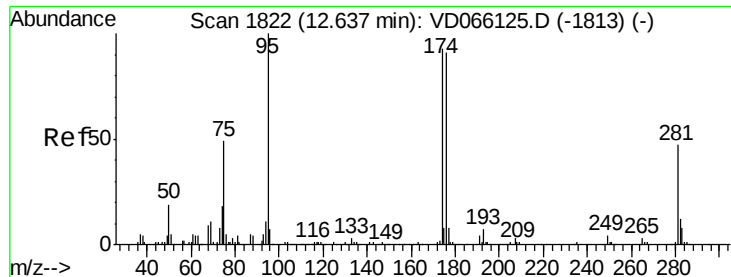


#38
 Carbon Tetrachloride
 Concen: 5.983 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.12 min
 Lab File: VD066244.D
 Acq: 14 Aug 2020 18:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	81.0	121.4#
121	0.0	24.8	37.2#







#62

4-Bromofluorobenzene

Concen: 76.551 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066244.D

Acq: 14 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320-FD

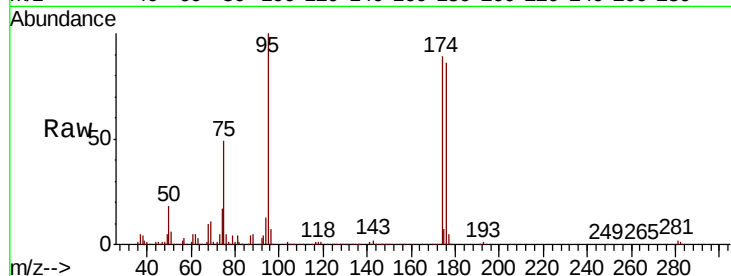
Tot Ion: 95 Resp: 308357

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.8

176 88.3 0.0 181.2



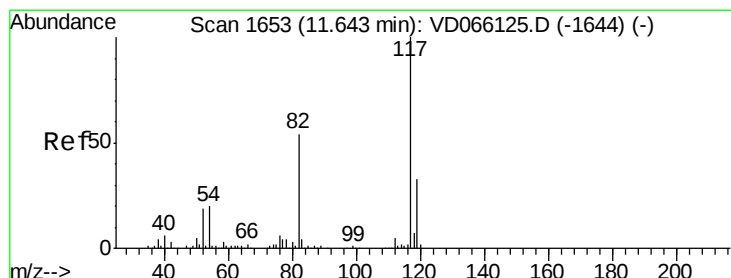
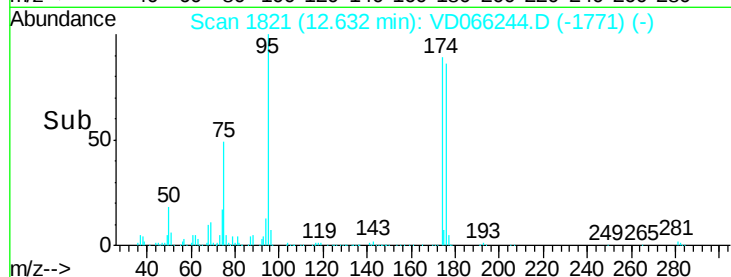
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066244.D

Acq: 14 Aug 2020 18:45

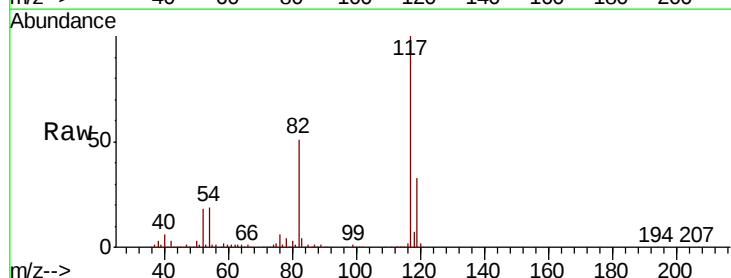
Tgt Ion: 117 Resp: 602390

Ion Ratio Lower Upper

117 100

82 50.9 43.0 64.4

119 32.8 26.1 39.1



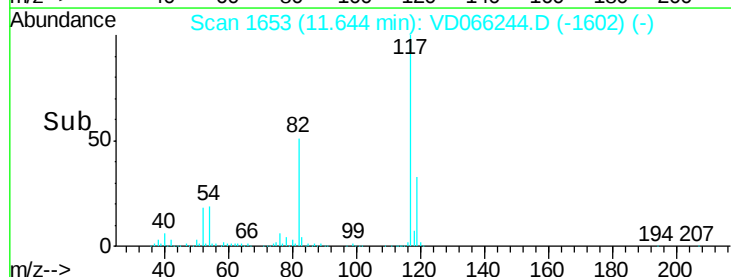
Abundance Ion 116.90 (116.60 to 117.60): V

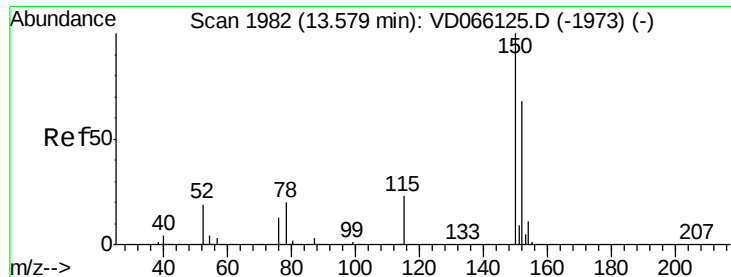
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066244.D

Acq: 14 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320-FD

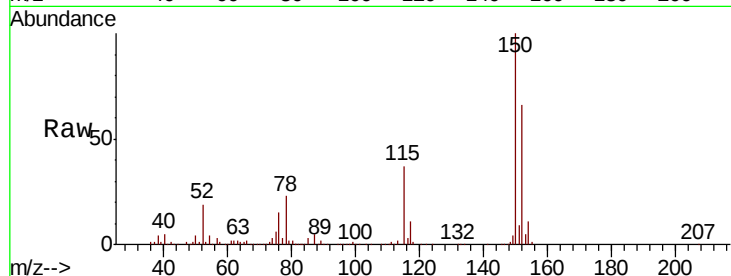
Tot Ion:152 Resp: 360902

Ion Ratio Lower Upper

152 100

115 56.4 28.0 83.9

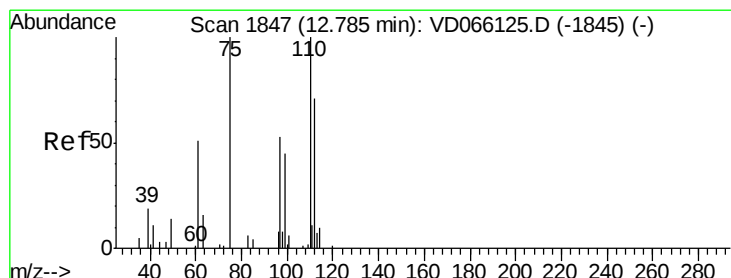
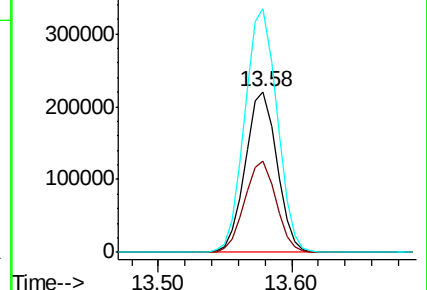
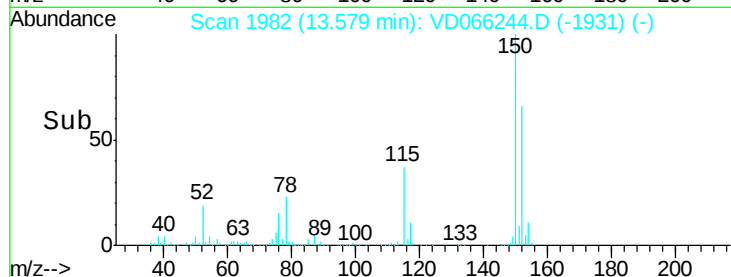
150 155.2 0.0 346.4



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: 52.513 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066244.D

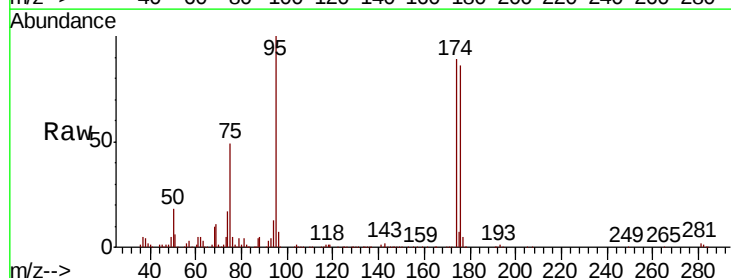
Acq: 14 Aug 2020 18:45

Tgt Ion: 75 Resp: 158046

Ion Ratio Lower Upper

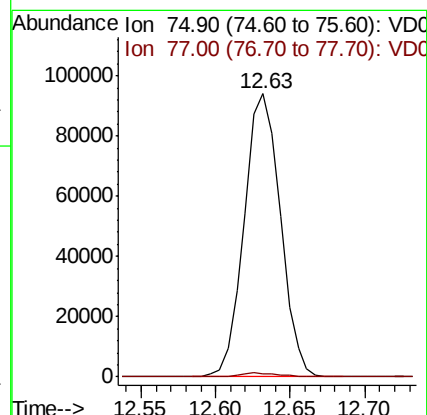
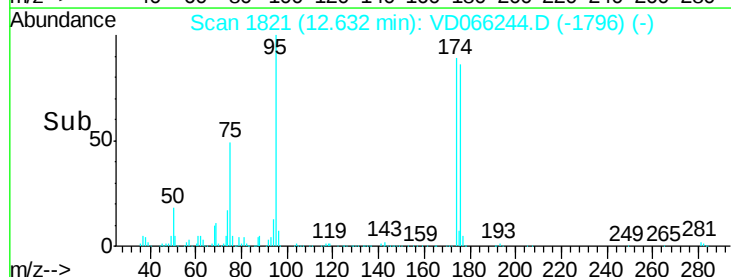
75 100

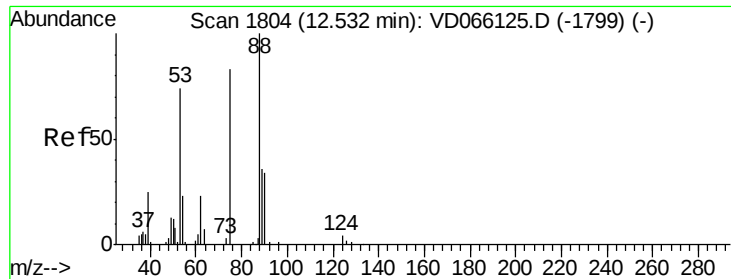
77 1.4 0.0 0.0#



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: 116.083 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066244.D

Acq: 14 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

S603-M-SO-1-1.5-081320-FD

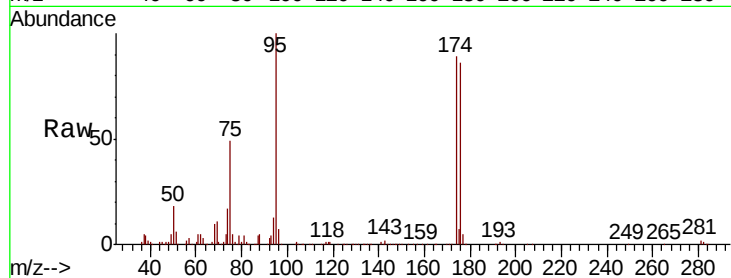
Tot Ion: 75 Resp: 158046

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 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

