

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066183.D
 Acq On : 11 Aug 2020 13:40
 Operator : VA/SY
 Sample : L3639-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-J08

Quant Time: Aug 11 15:15:28 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

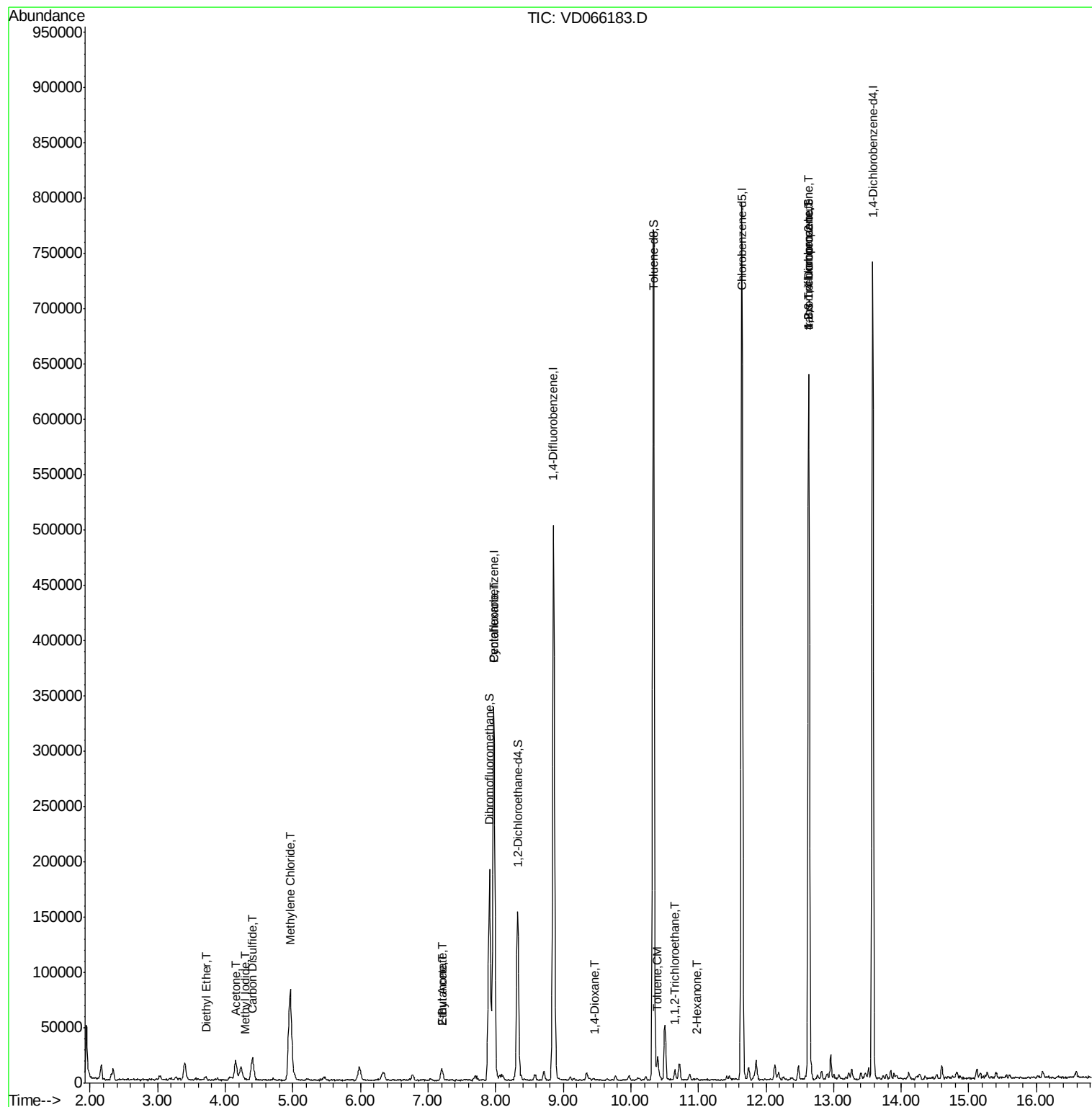
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	268526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	441986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	465073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199251	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	115640	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.54%	
35) Dibromofluoromethane	7.91	113	135722	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
50) Toluene-d8	10.33	98	531026	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.63	95	199987	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.71	74	1480	1.235	ug/l	84
10) Methyl Iodide	4.29	142	773	7.003	ug/l #	60
11) Tert butyl alcohol	5.20	59	1911	Below Cal	#	84
16) Acetone	4.16	43	32012	70.424	ug/l	90
17) Carbon Disulfide	4.40	76	42515	5.623	ug/l	98
20) Methylene Chloride	4.96	84	62083	21.084	ug/l	96
25) 2-Butanone	7.21	43	10379	15.524	ug/l #	89
31) Cyclohexane	7.97	56	7805	1.860	ug/l #	23
37) Ethyl Acetate	7.21	43	10379	6.307	ug/l #	82
49) 1,4-Dioxane	9.47	88	77	3.861	ug/l #	17
52) Toluene	10.40	92	7703	1.016	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	7216	3.229	ug/l #	20
59) 2-Hexanone	10.98	43	1462	1.251	ug/l #	56
76) 1,2,3-Trichloropropane	12.63	75	99981	60.171	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	99981	133.012	ug/l #	13

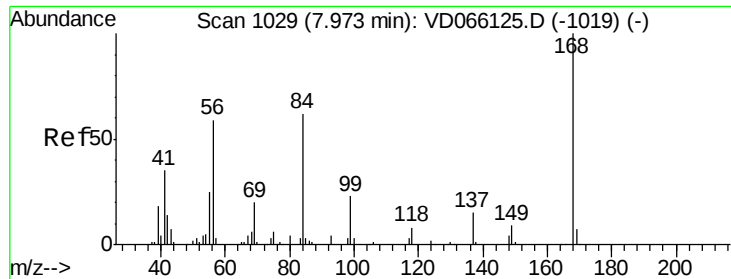
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

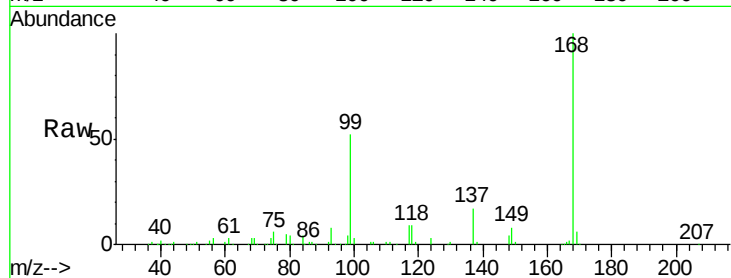
MH-J08

Tgt Ion:168 Resp: 268526

Ion Ratio Lower Upper

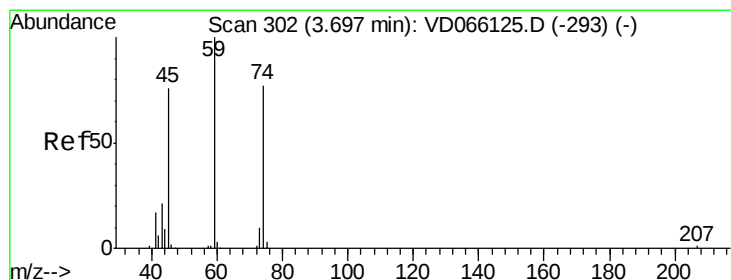
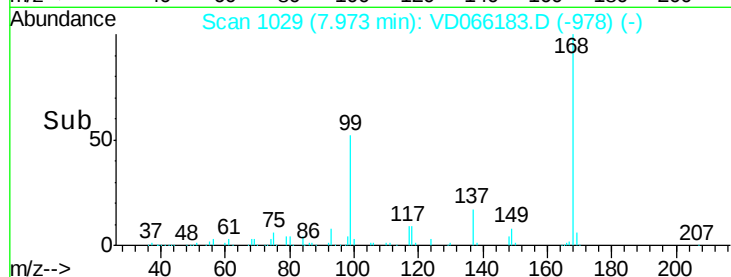
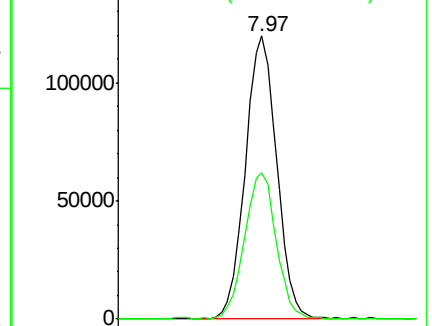
168 100

99 51.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.235 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066183.D

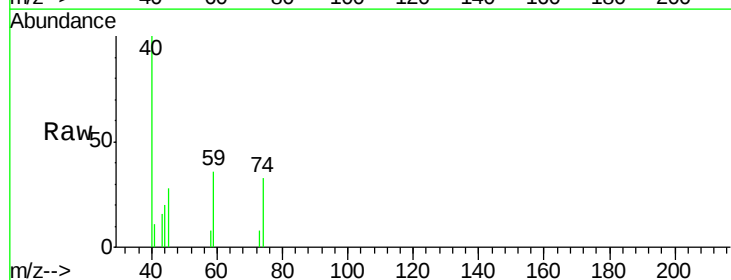
Acq: 11 Aug 2020 13:40

Tgt Ion: 74 Resp: 1480

Ion Ratio Lower Upper

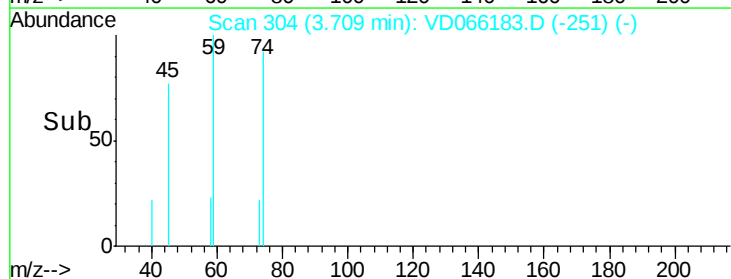
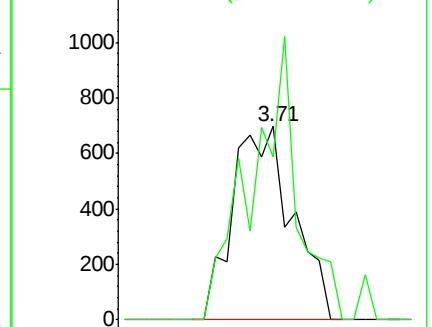
74 100

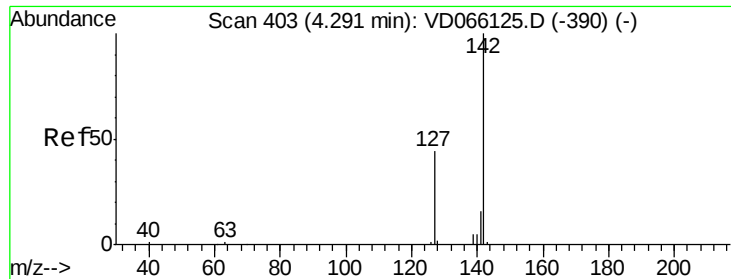
45 112.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

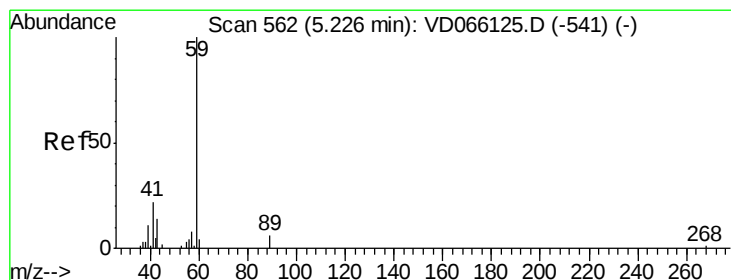
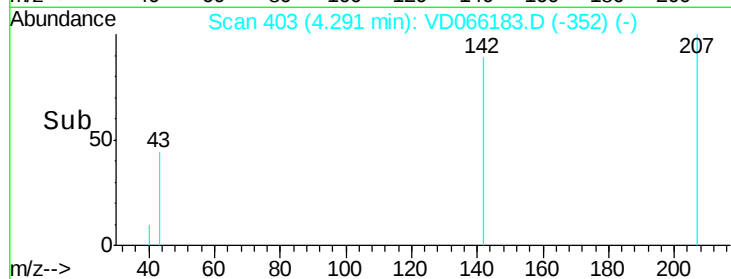
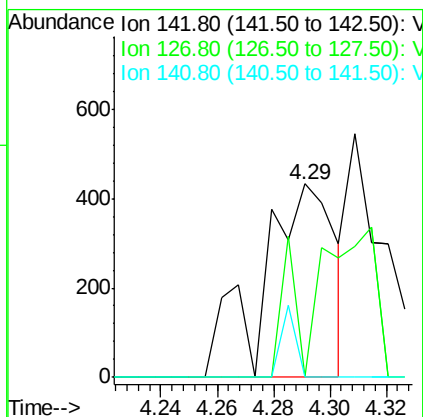
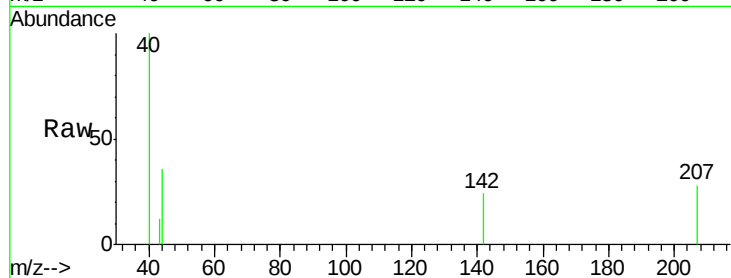




#10
Methyl Iodide
Concen: 7.003 ug/l
RT: 4.29 min Scan# 403
Delta R.T. 0.00 min
Lab File: VD066183.D
Acq: 11 Aug 2020 13:40

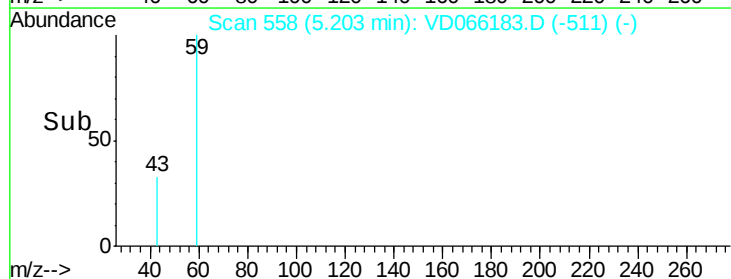
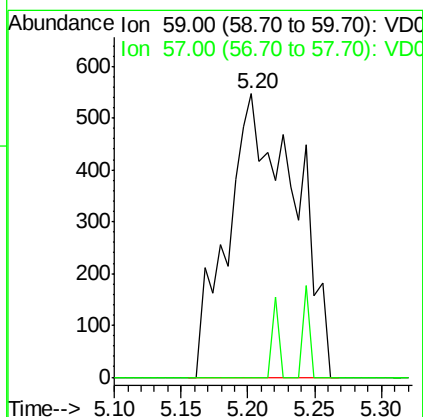
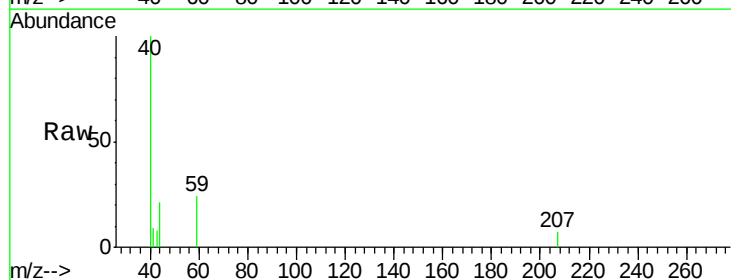
Instrument :
MSVOA_D
ClientSampleId :
MH-J08

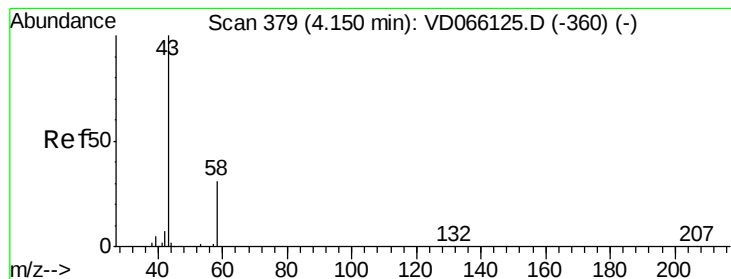
Tgt Ion: 142 Resp: 773
Ion Ratio Lower Upper
142 100
127 14.4 36.2 54.4#
141 7.4 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066183.D
Acq: 11 Aug 2020 13:40

Tgt Ion: 59 Resp: 1911
Ion Ratio Lower Upper
59 100
57 2.8 7.0 10.4#





#16

Acetone

Concen: 70.424 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

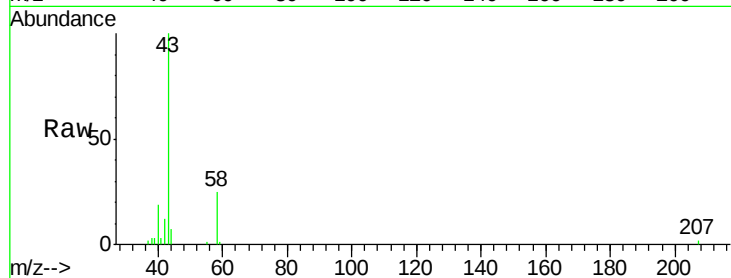
MH-J08

Tgt Ion: 43 Resp: 32012

Ion Ratio Lower Upper

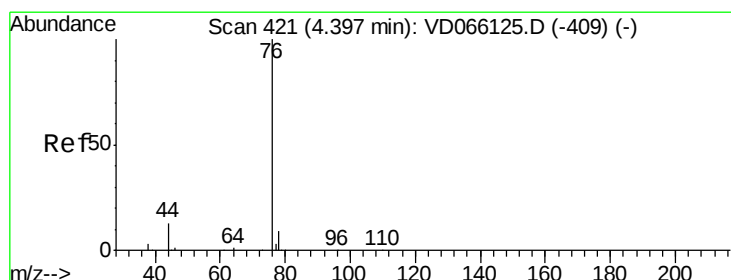
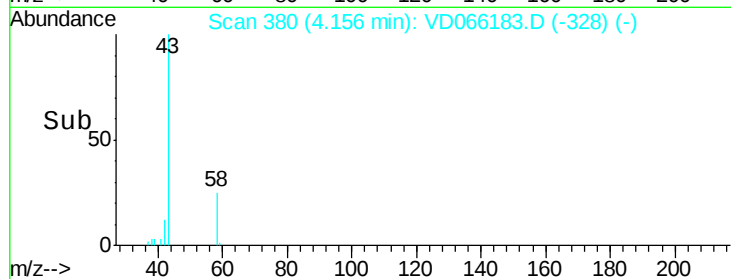
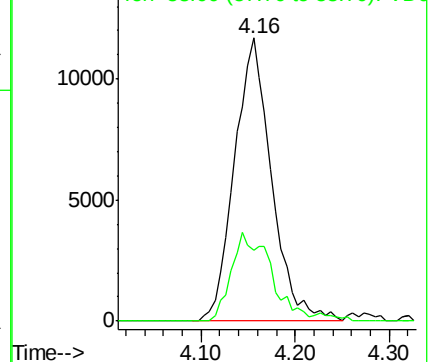
43 100

58 25.1 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 5.623 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066183.D

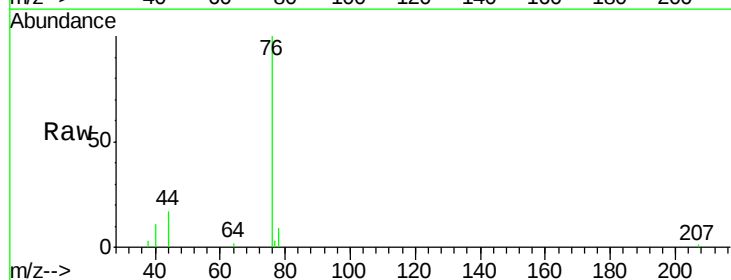
Acq: 11 Aug 2020 13:40

Tgt Ion: 76 Resp: 42515

Ion Ratio Lower Upper

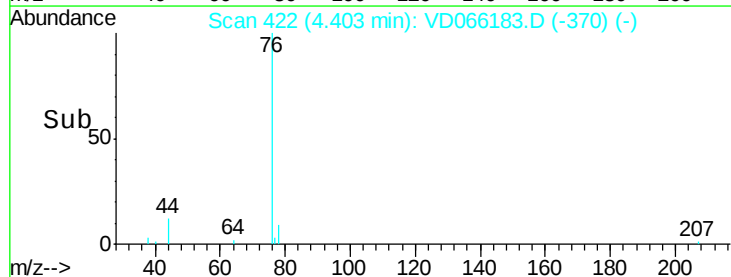
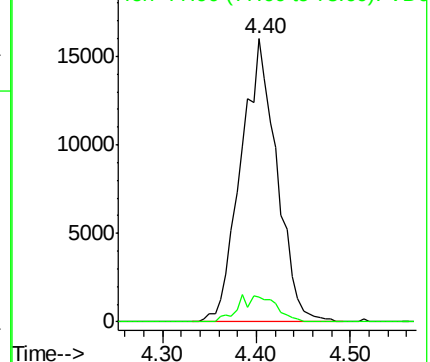
76 100

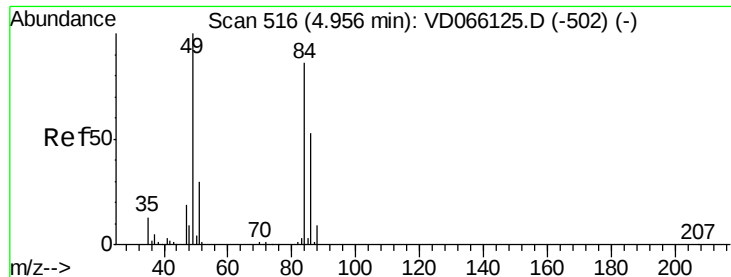
78 8.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

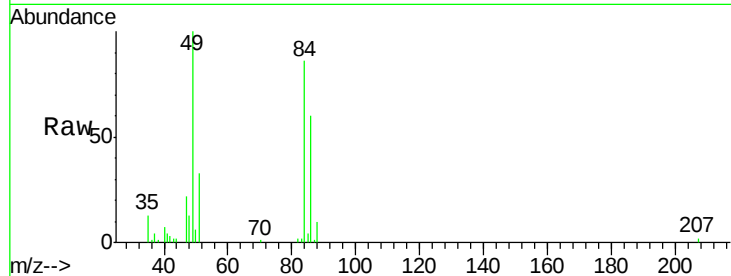




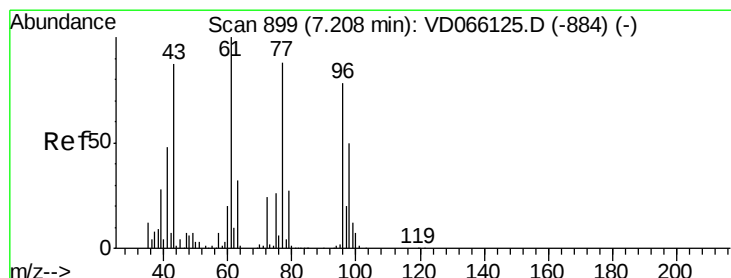
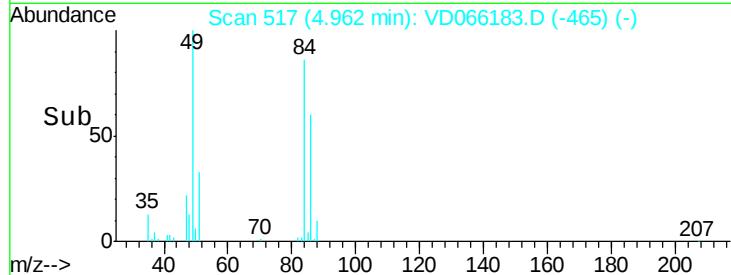
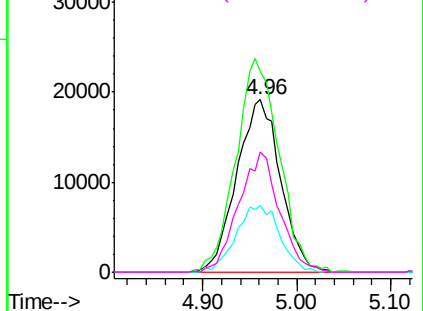
#20
Methylene Chloride
Concen: 21.084 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066183.D
Acq: 11 Aug 2020 13:40

Instrument :
MSVOA_D
ClientSampleId :
MH-J08

Tgt Ion: 84 Resp: 62083
Ion Ratio Lower Upper
84 100
49 116.8 93.5 140.3
51 38.9 28.2 42.4
86 69.8 49.5 74.3

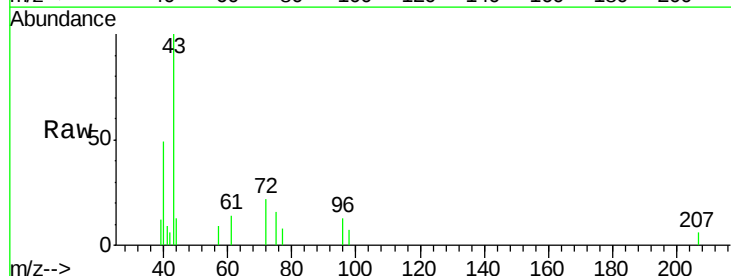


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

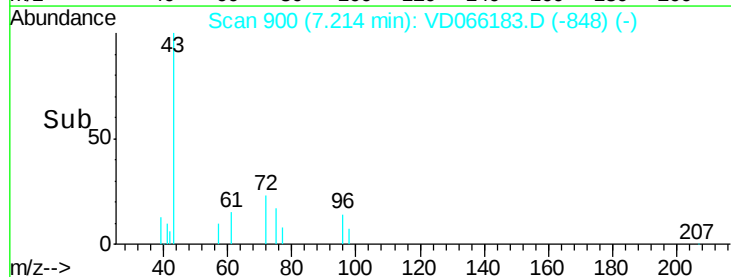
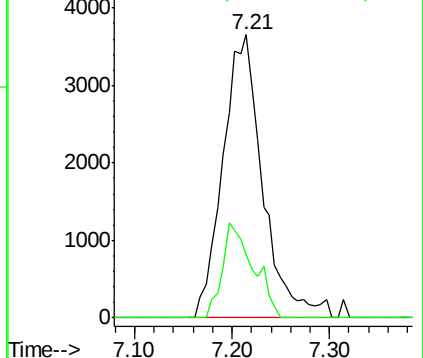


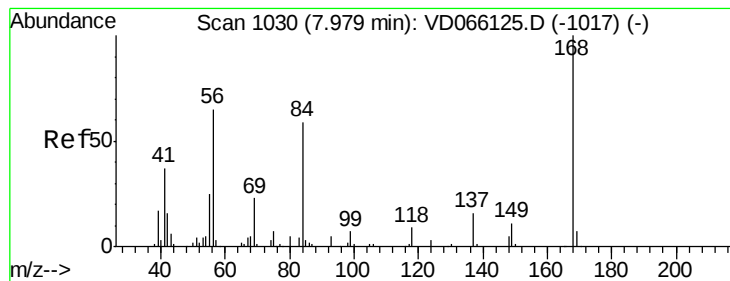
#25
2-Butanone
Concen: 15.524 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066183.D
Acq: 11 Aug 2020 13:40

Tgt Ion: 43 Resp: 10379
Ion Ratio Lower Upper
43 100
72 22.1 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: 1.860 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

MH-J08

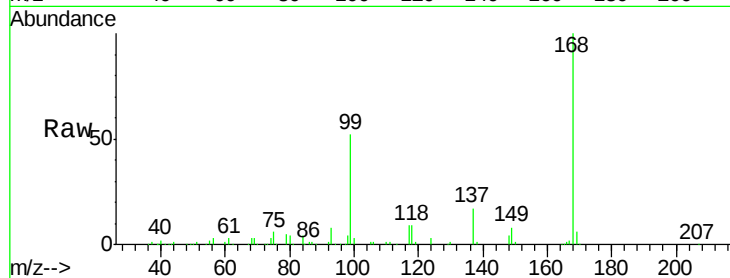
Tgt Ion: 56 Resp: 7805

Ion Ratio Lower Upper

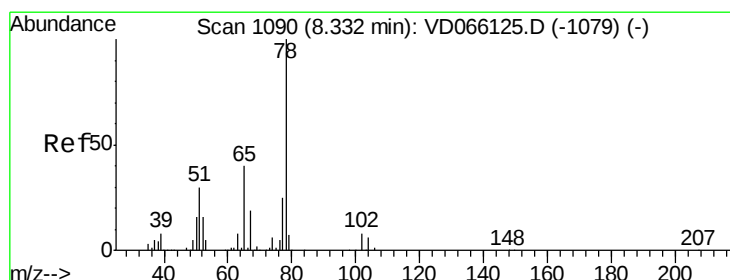
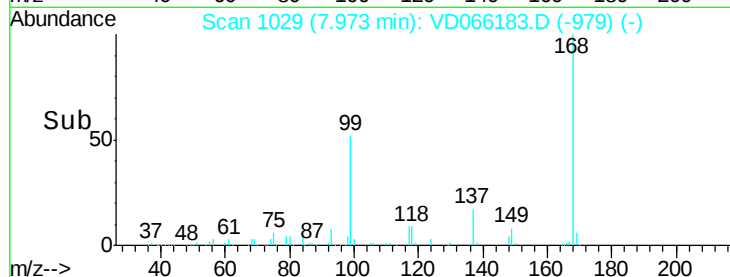
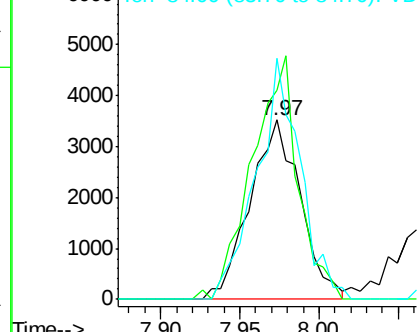
56 100

69 116.6 28.8 43.2#

84 141.6 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: 48.271 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066183.D

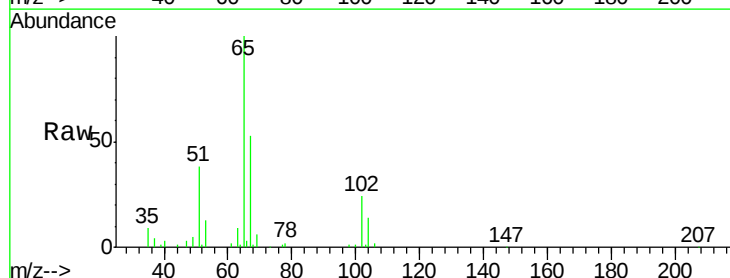
Acq: 11 Aug 2020 13:40

Tgt Ion: 65 Resp: 115640

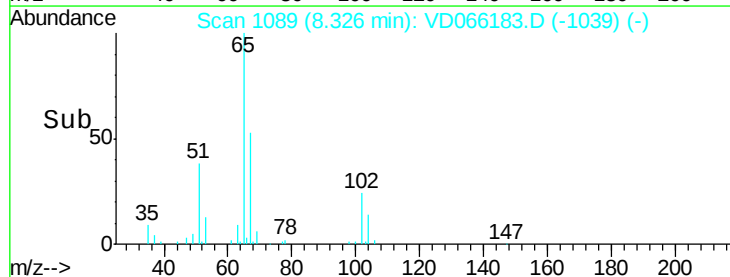
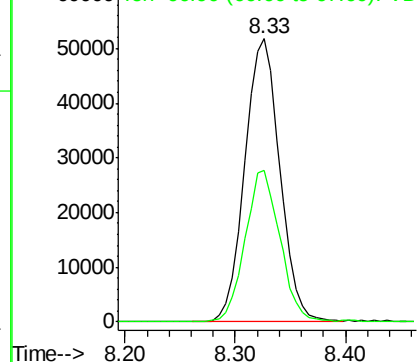
Ion Ratio Lower Upper

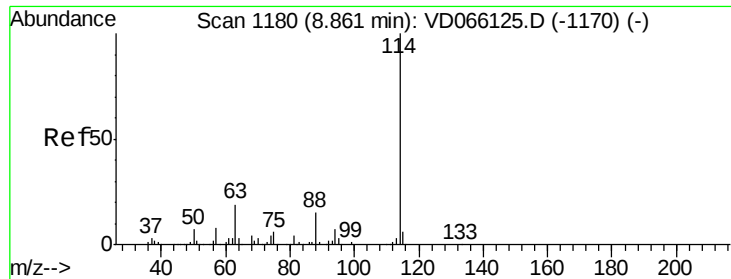
65 100

67 53.0 0.0 104.6



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

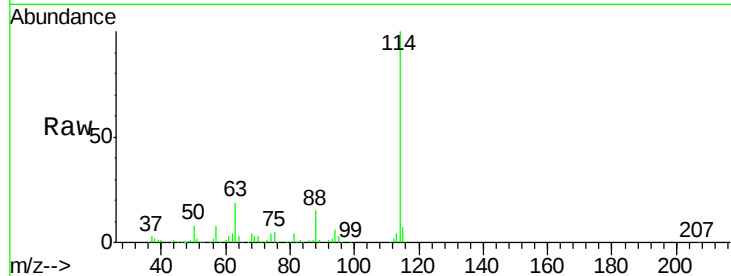




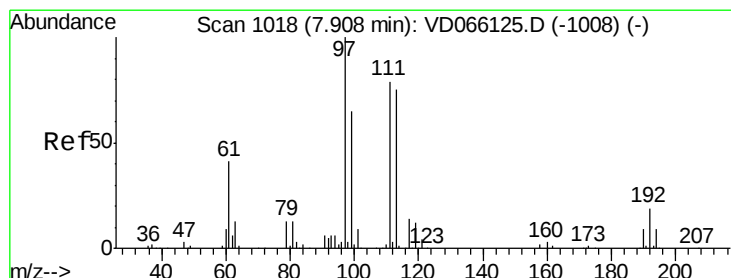
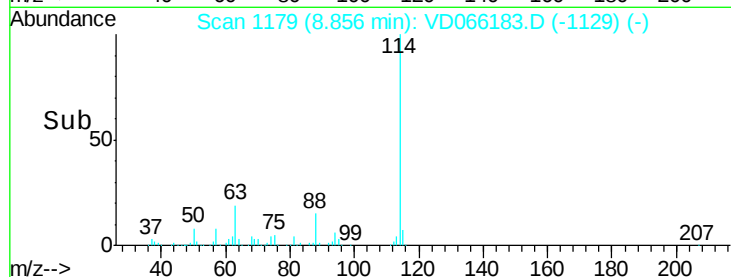
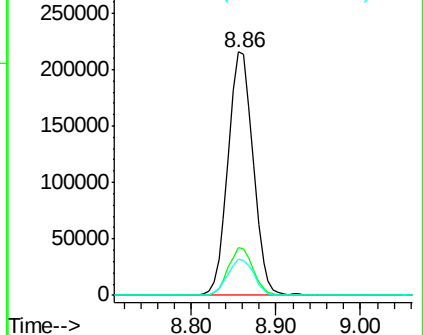
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066183.D
 Acq: 11 Aug 2020 13:40

Instrument :
 MSVOA_D
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 MH-J08

Tgt Ion:114 Resp: 441986
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.0 0.0 30.0

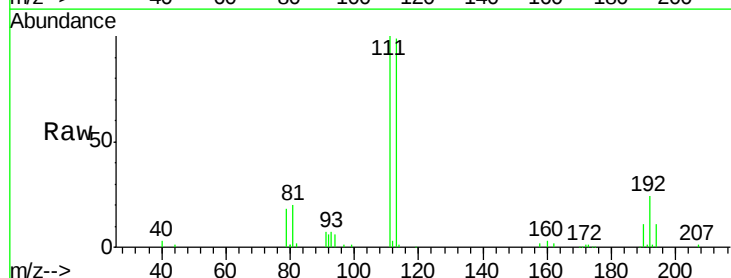


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

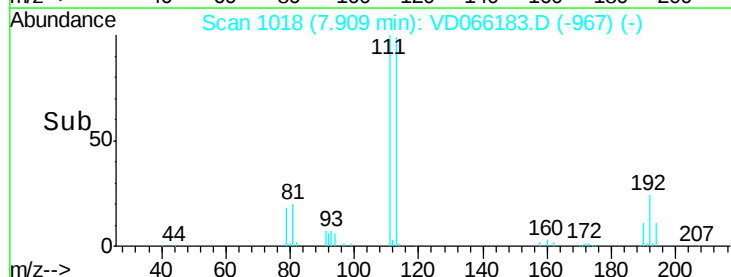
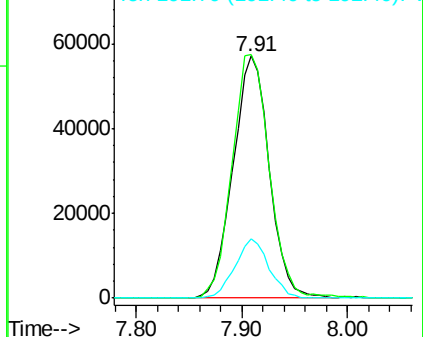


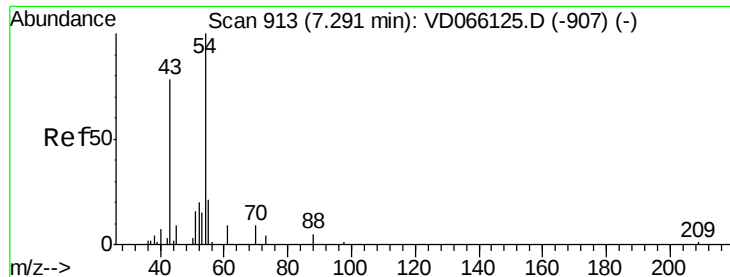
#35
 Dibromofluoromethane
 Concen: 48.473 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066183.D
 Acq: 11 Aug 2020 13:40

Tgt Ion:113 Resp: 135722
 Ion Ratio Lower Upper
 113 100
 111 103.8 80.7 121.1
 192 23.0 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#37

Ethyl Acetate

Concen: 6.307 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

MH-J08

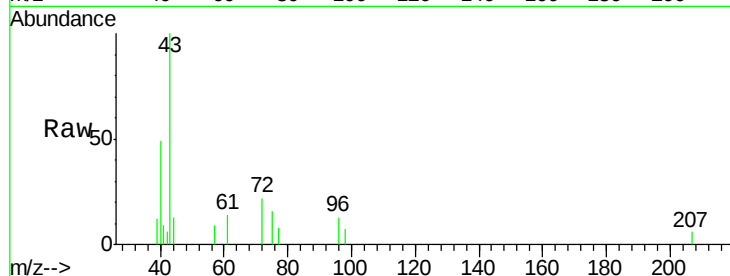
Tgt Ion: 43 Resp: 10379

Ion Ratio Lower Upper

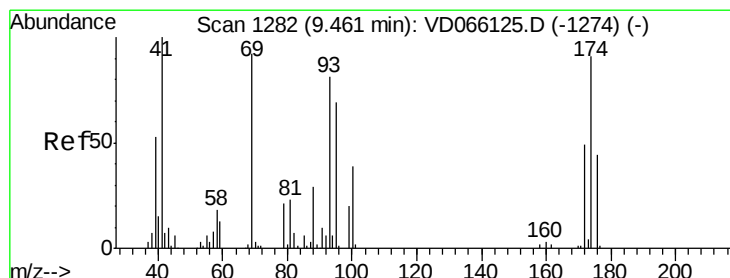
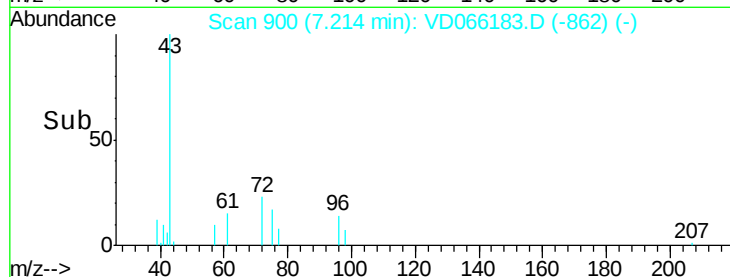
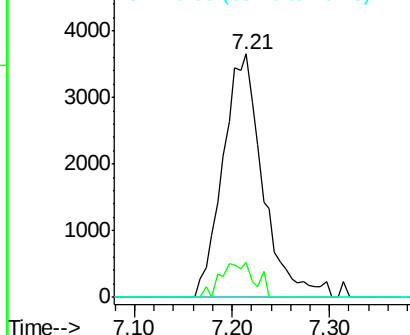
43 100

61 12.0 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



#49

1,4-Dioxane

Concen: 3.861 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

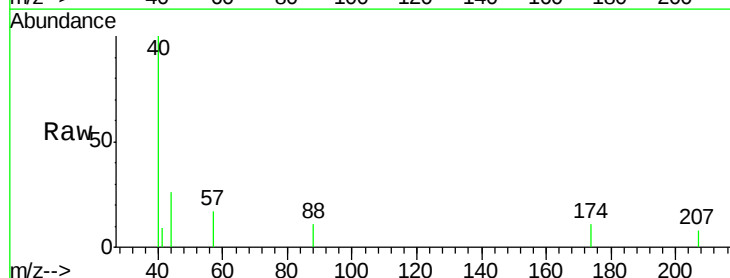
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

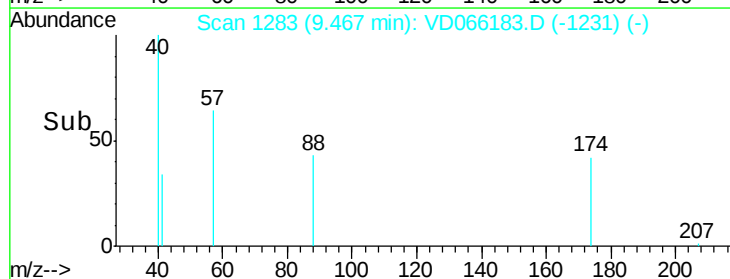
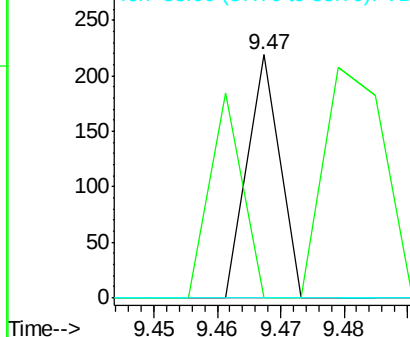
88 100

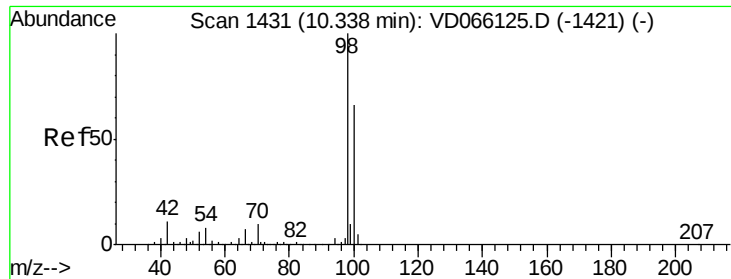
43 84.4 27.5 41.3#

58 0.0 50.2 75.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

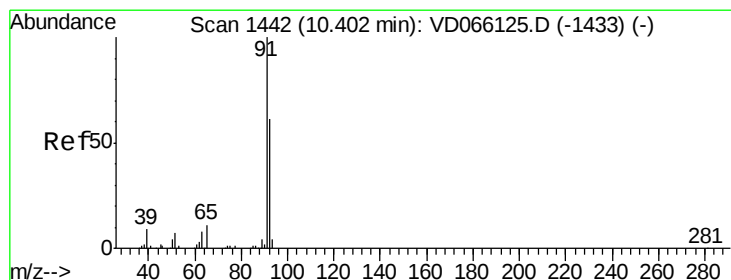
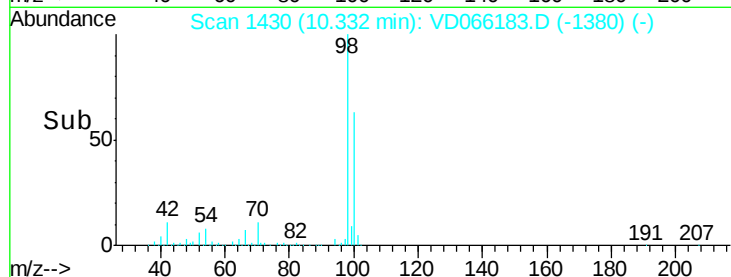
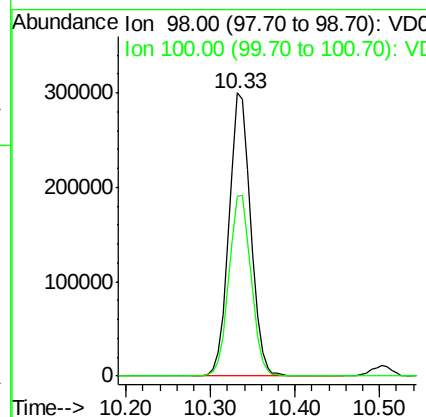
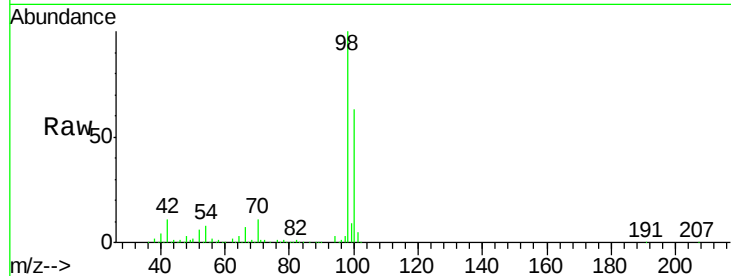




#50
Toluene-d8
Concen: 51.394 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066183.D
Acq: 11 Aug 2020 13:40

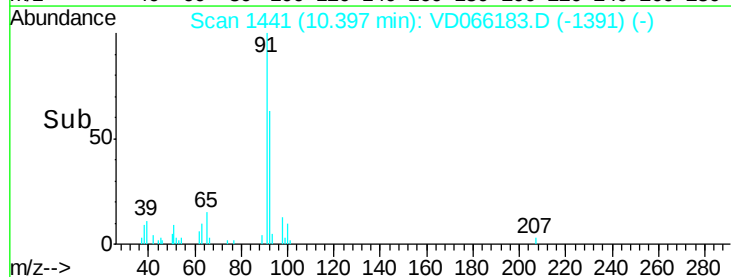
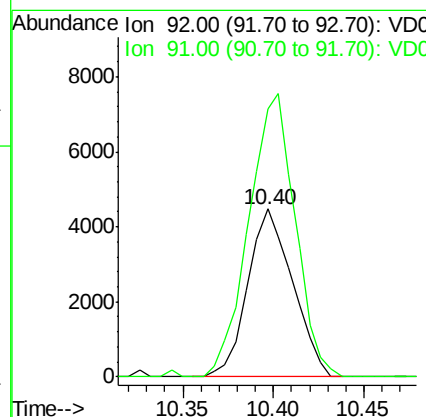
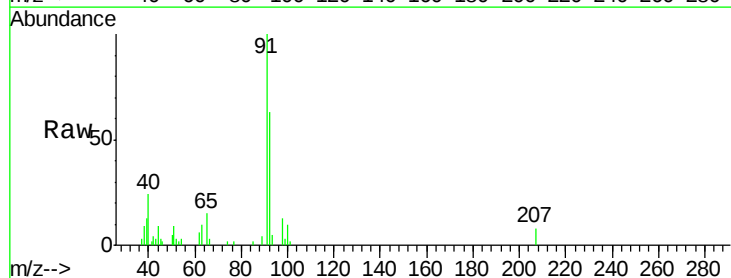
Instrument :
MSVOA_D
ClientSampleId :
MH-J08

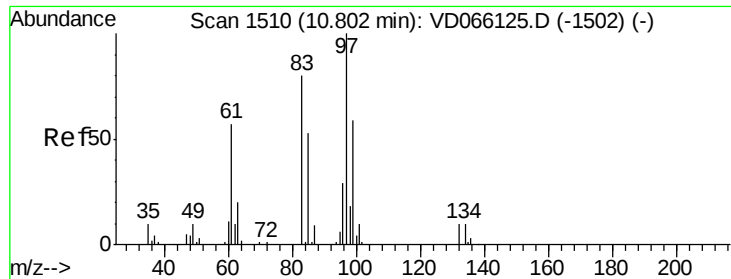
Tgt Ion: 98 Resp: 531026
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#52
Toluene
Concen: 1.016 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066183.D
Acq: 11 Aug 2020 13:40

Tgt Ion: 92 Resp: 7703
Ion Ratio Lower Upper
92 100
91 174.0 135.2 202.8

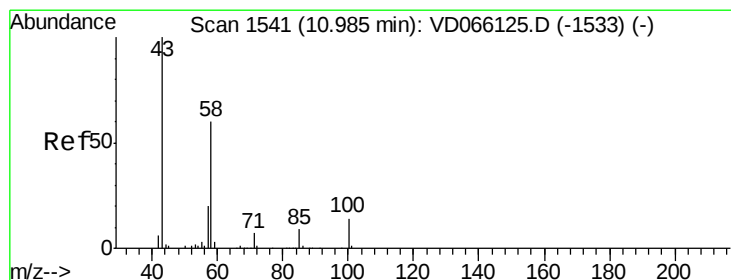
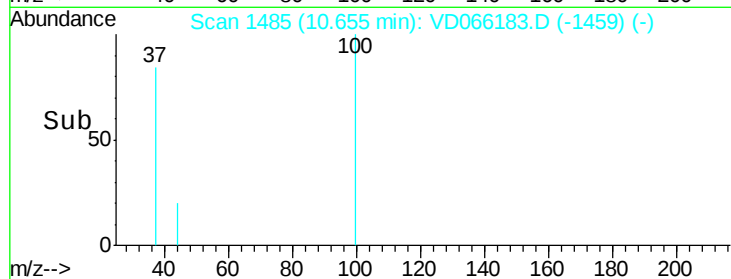
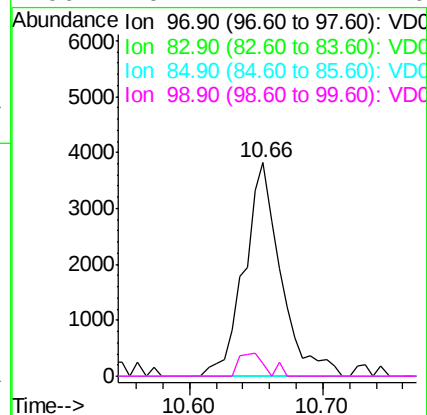
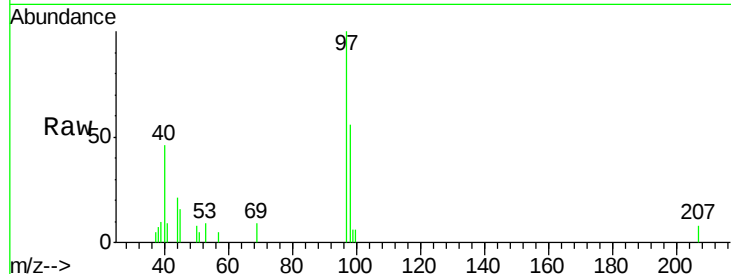




#55
 1,1,2-Trichloroethane
 Concen: 3.229 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.15 min
 Lab File: VD066183.D
 Acq: 11 Aug 2020 13:40

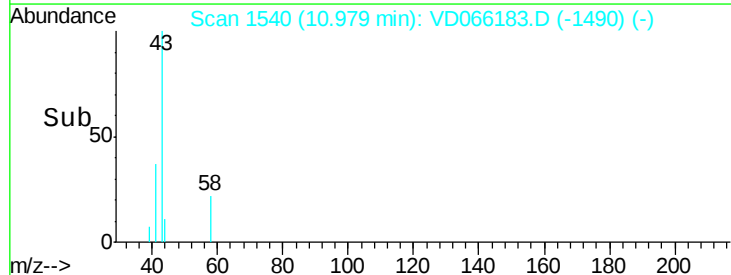
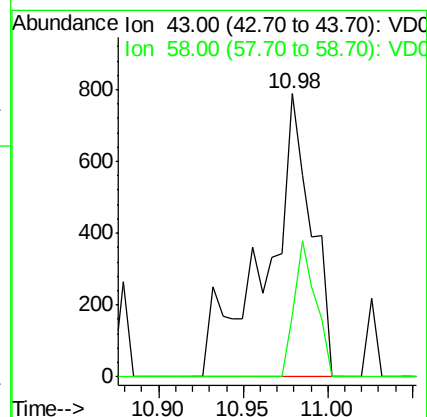
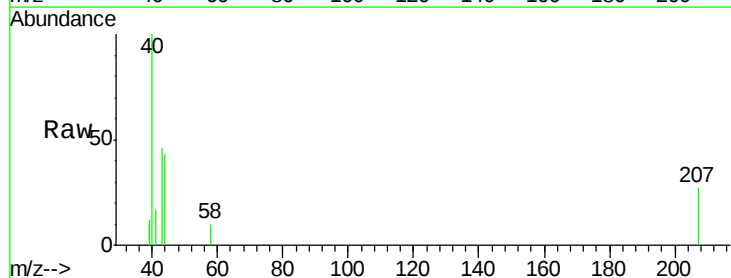
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-J08

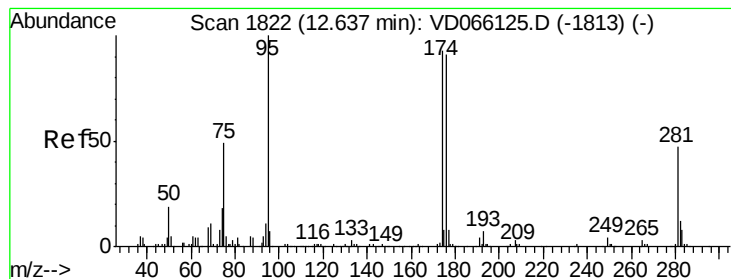
Tgt Ion: 97 Resp: 7216
 Ion Ratio Lower Upper
 97 100
 83 0.0 63.9 95.9#
 85 0.0 42.5 63.7#
 99 6.2 47.4 71.0#



#59
 2-Hexanone
 Concen: 1.251 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: VD066183.D
 Acq: 11 Aug 2020 13:40

Tgt Ion: 43 Resp: 1462
 Ion Ratio Lower Upper
 43 100
 58 23.3 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 53.696 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

MH-J08

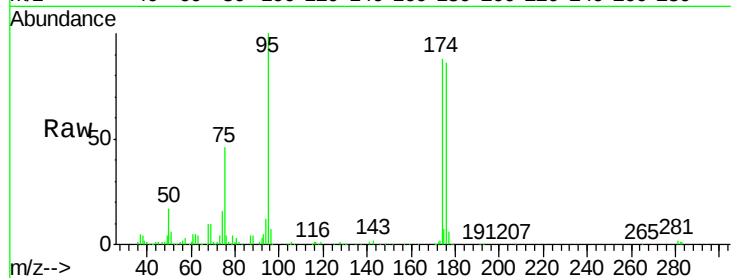
Tgt Ion: 95 Resp: 199987

Ion Ratio Lower Upper

95 100

174 92.9 0.0 180.8

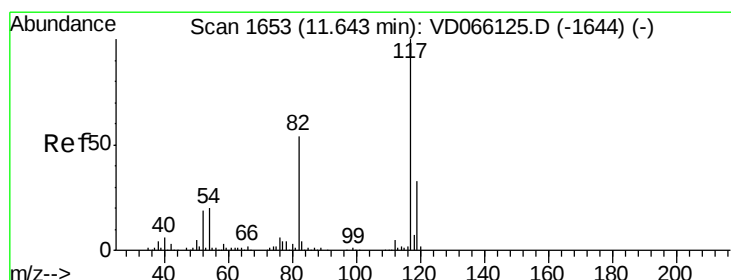
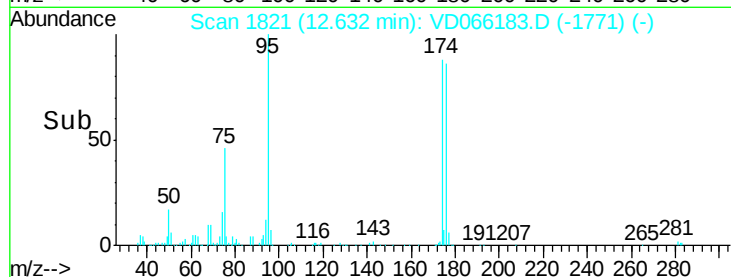
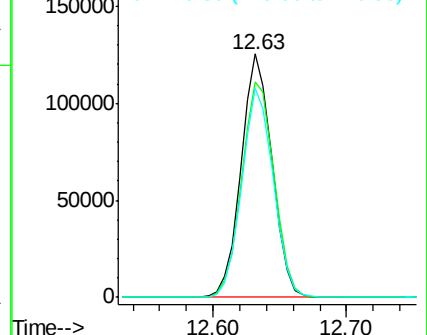
176 87.5 0.0 181.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

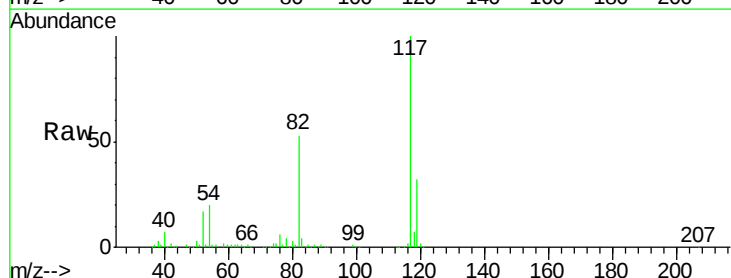
Tgt Ion: 117 Resp: 465073

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.4

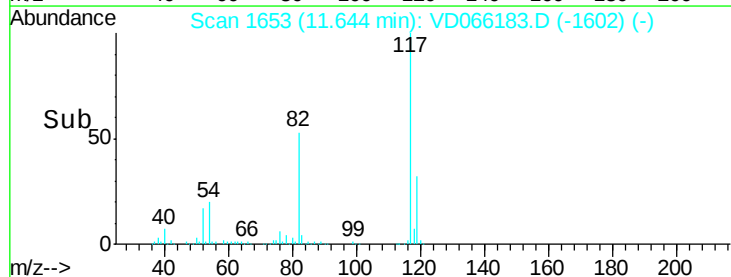
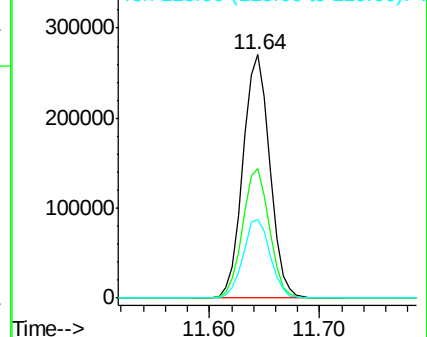
119 32.2 26.1 39.1

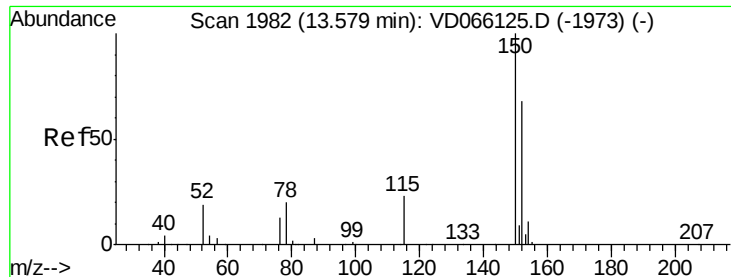


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

MH-J08

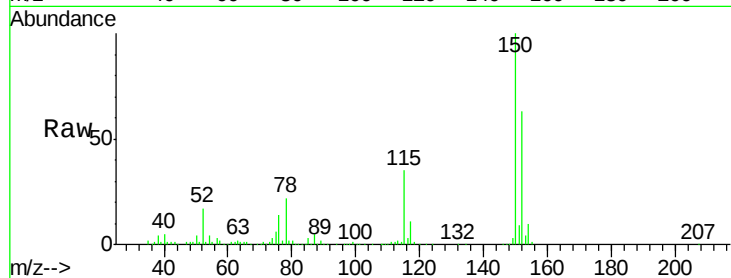
Tgt Ion:152 Resp: 199251

Ion Ratio Lower Upper

152 100

115 55.4 28.0 83.9

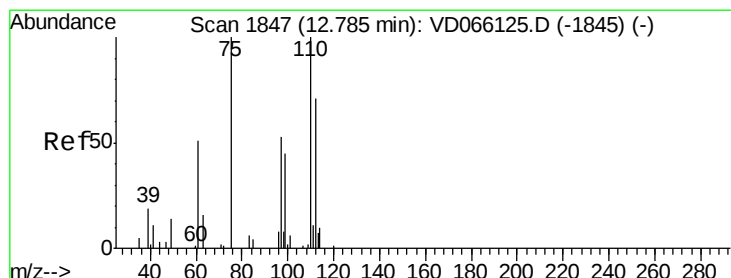
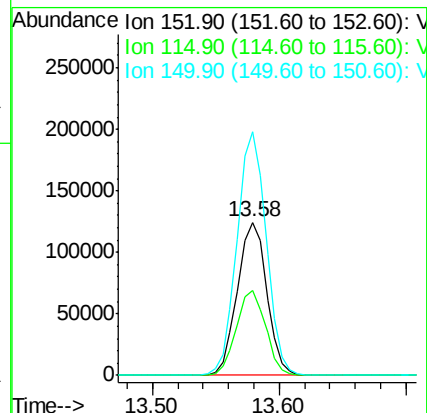
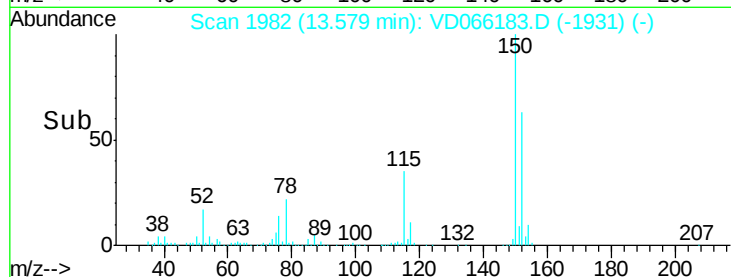
150 158.0 0.0 346.4



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: 60.171 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066183.D

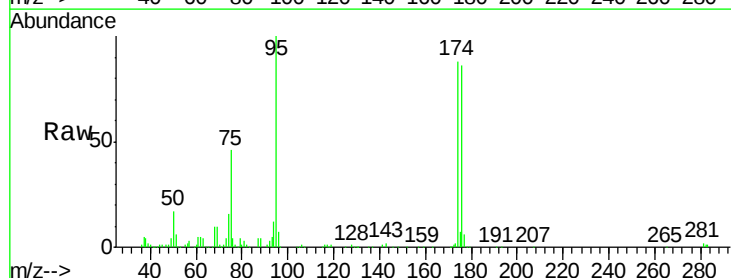
Acq: 11 Aug 2020 13:40

Tgt Ion: 75 Resp: 99981

Ion Ratio Lower Upper

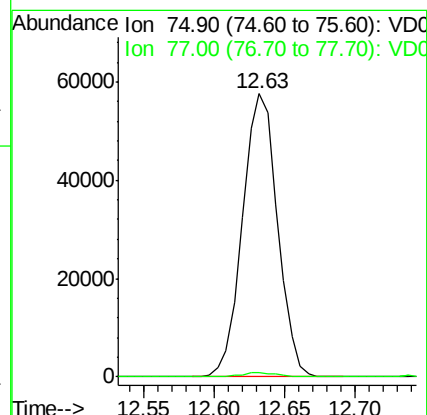
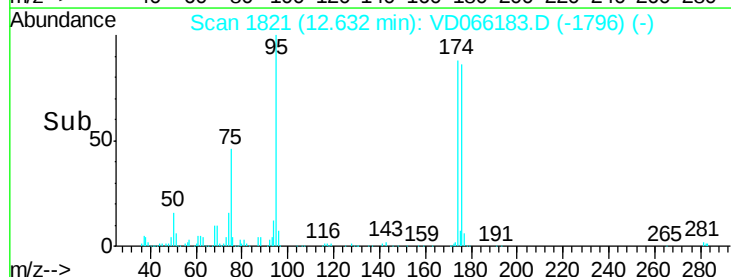
75 100

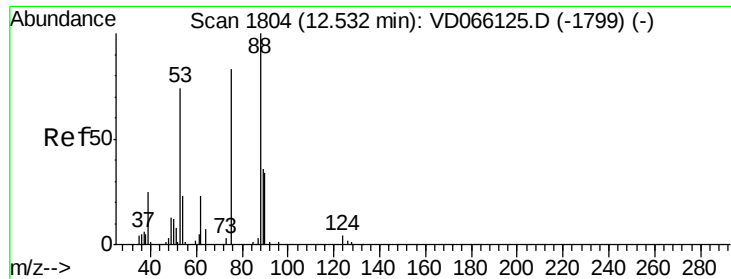
77 1.4 0.0 0.0#



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: 133.012 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066183.D

Acq: 11 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

MH-J08

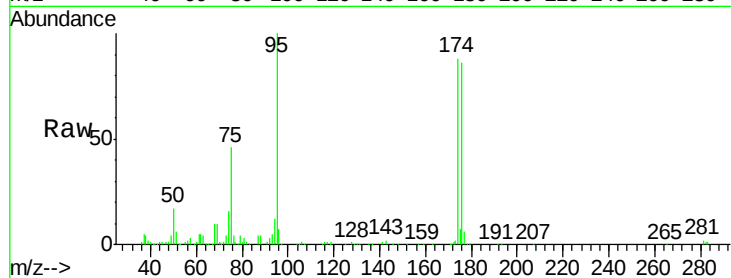
Tgt Ion: 75 Resp: 99981

Ion Ratio Lower Upper

75 100

53 0.4 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

