

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066144.D
 Acq On : 06 Aug 2020 19:40
 Operator : VA/SY
 Sample : L3573-04
 Misc : 7.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-03-016-B

Quant Time: Aug 07 01:31:04 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	7.98	168	300256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	519890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	590843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301809	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	137982	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	7.91	113	164002	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.34	98	653032	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
62) 4-Bromofluorobenzene	12.64	95	277524	63.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.70%	

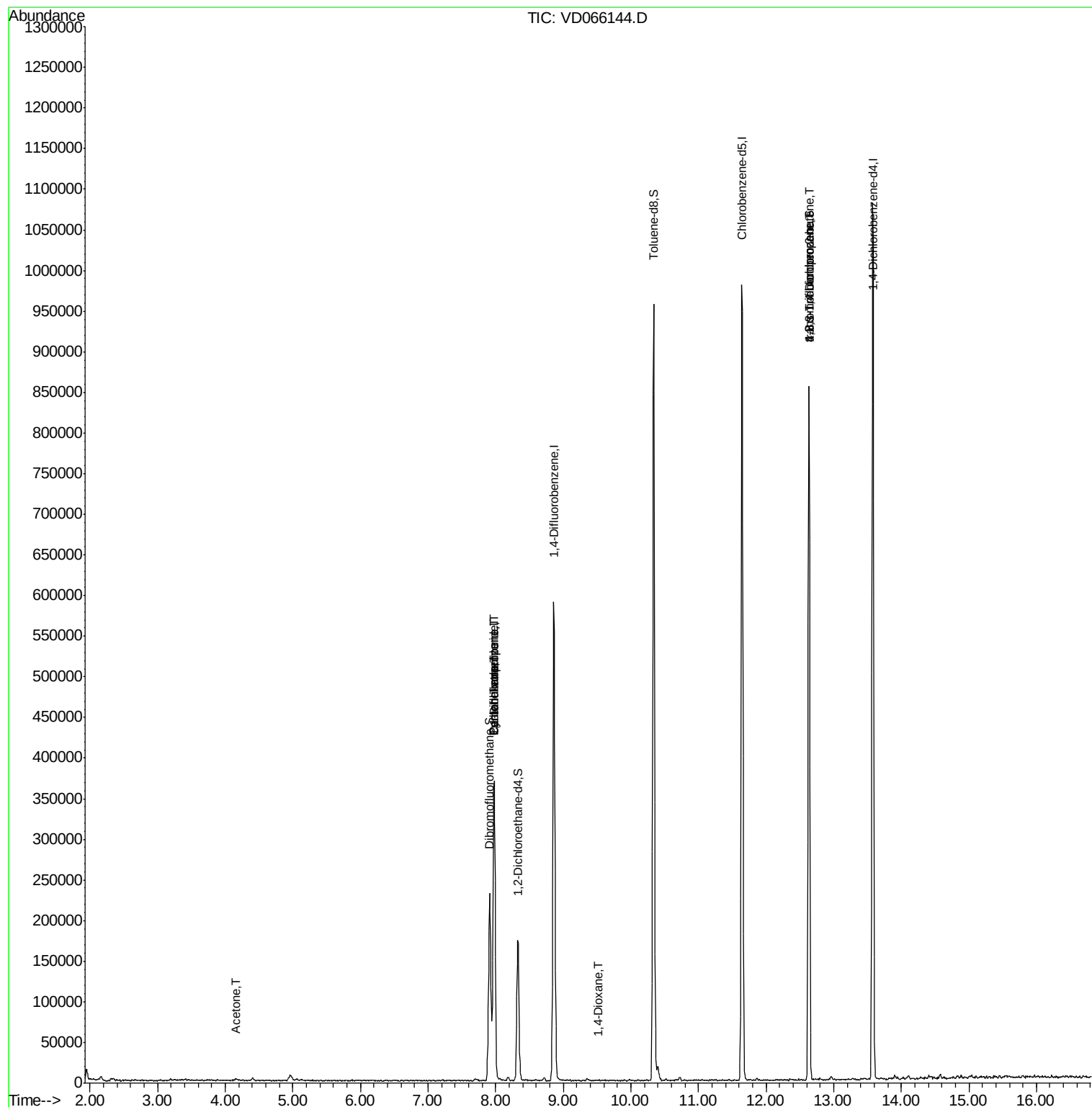
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.19	59	113	Below Cal	#	76
16) Acetone	4.16	43	4000	7.870	ug/l #	68
20) Methylene Chloride	4.96	84	5644	Below Cal	#	74
31) Cyclohexane	7.97	56	6306	1.344	ug/l #	30
36) 1,1-Dichloropropene	7.98	75	19908	4.075	ug/l #	51
38) Carbon Tetrachloride	7.97	117	27717	5.088	ug/l #	14
49) 1,4-Dioxane	9.52	88	55	2.345	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	137251	54.532	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	137251	120.547	ug/l #	13

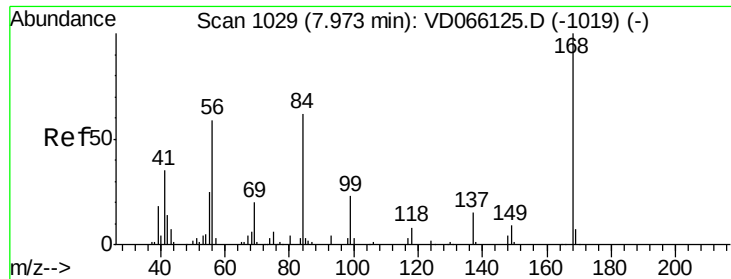
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

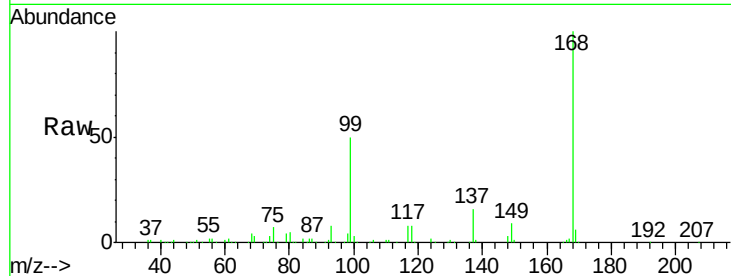
FK-GF-03-016-B

Tot Ion:168 Resp: 300256

Ion Ratio Lower Upper

168 100

99 50.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

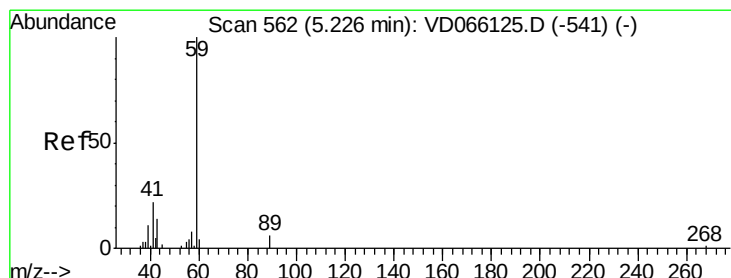
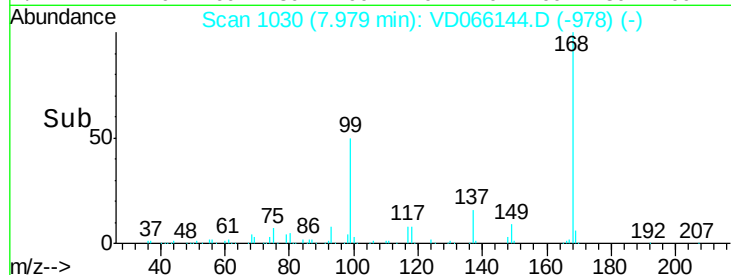
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD066144.D

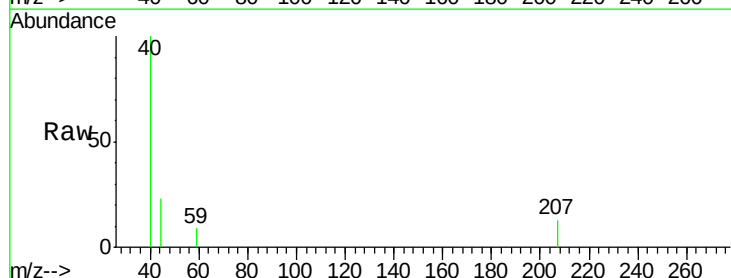
Acq: 06 Aug 2020 19:40

Tgt Ion: 59 Resp: 113

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

5.19

200

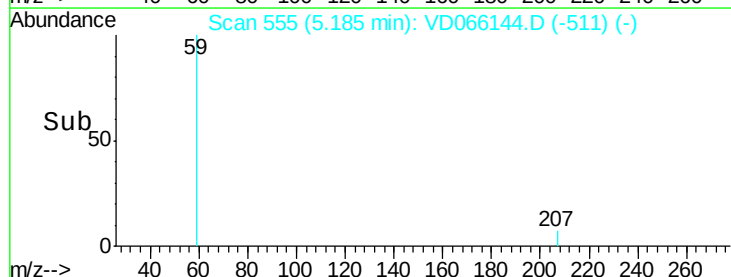
150

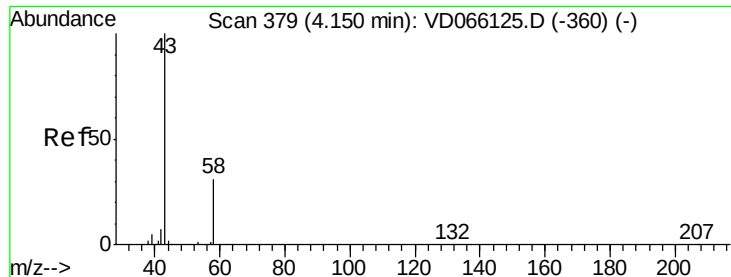
100

50

0

Time-->





#16

Acetone

Concen: 7.870 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

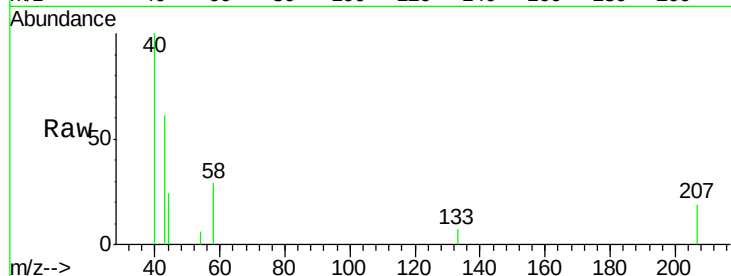
FK-GF-03-016-B

Tot Ion: 43 Resp: 4000

Ion Ratio Lower Upper

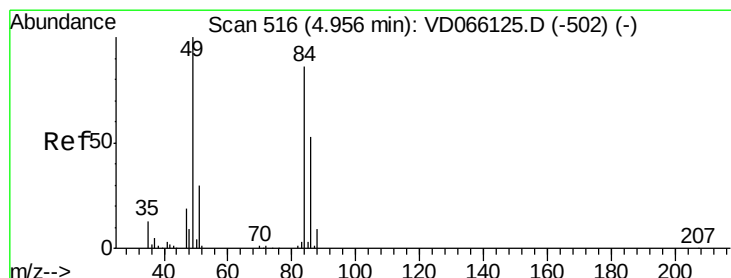
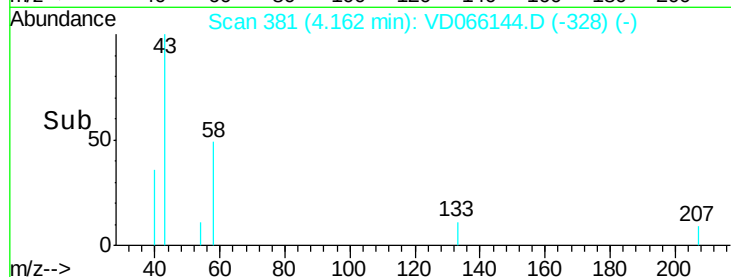
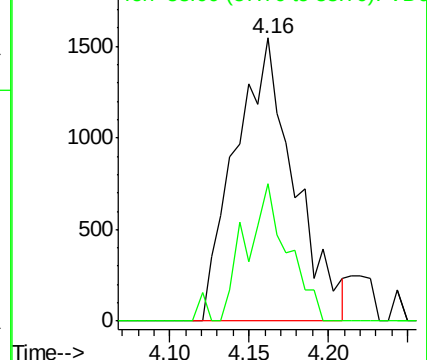
43 100

58 48.6 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: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

Tgt Ion: 84 Resp: 5644

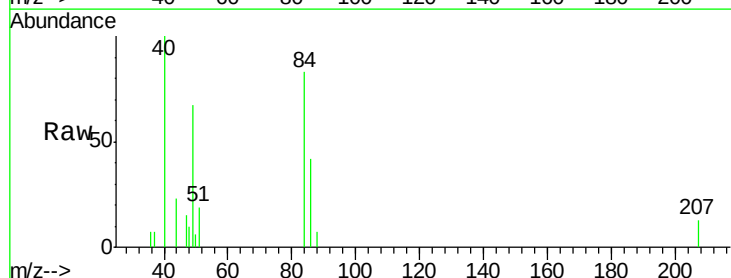
Ion Ratio Lower Upper

84 100

49 80.4 93.5 140.3#

51 23.3 28.2 42.4#

86 50.9 49.5 74.3

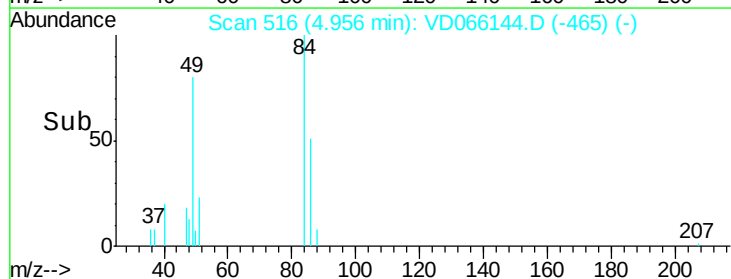
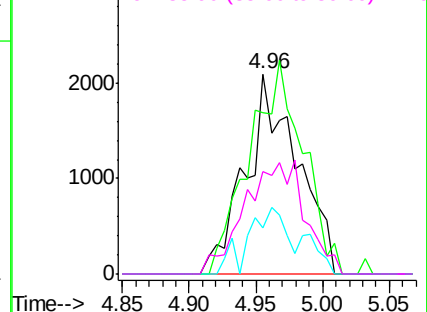


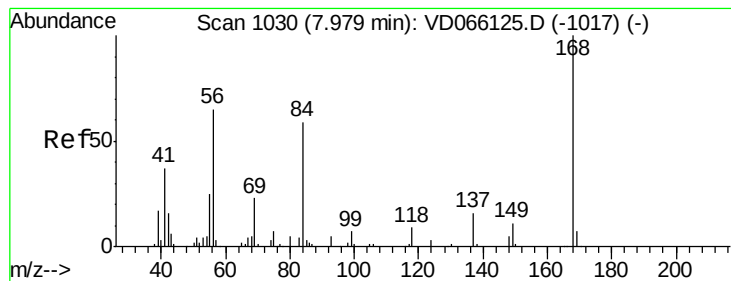
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.344 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-016-B

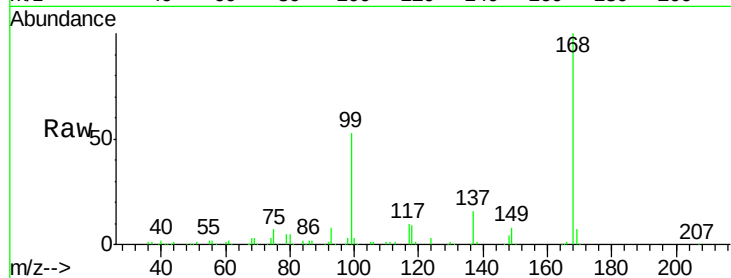
Tot Ion: 56 Resp: 6306

Ion Ratio Lower Upper

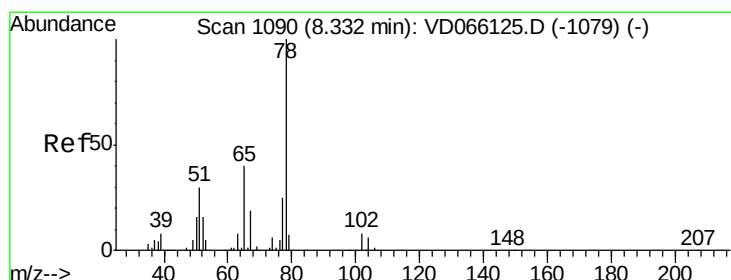
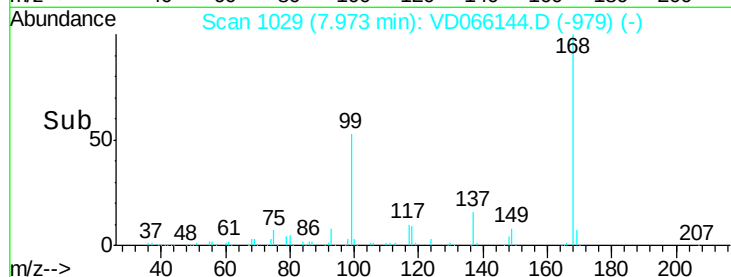
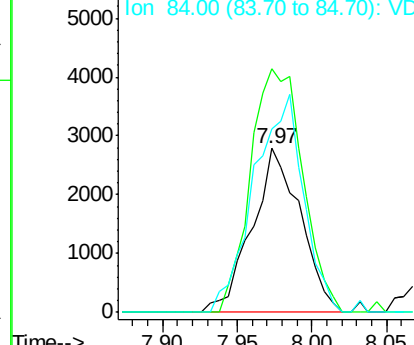
56 100

69 148.4 28.8 43.2#

84 111.9 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: 51.510 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066144.D

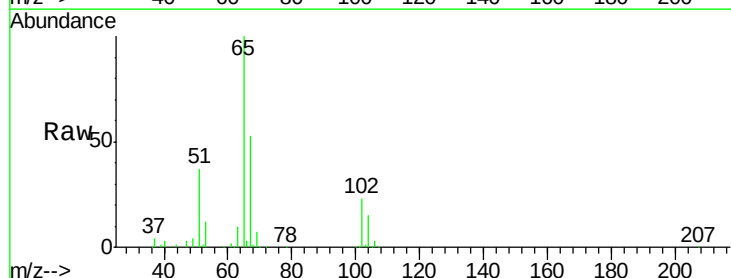
Acq: 06 Aug 2020 19:40

Tgt Ion: 65 Resp: 137982

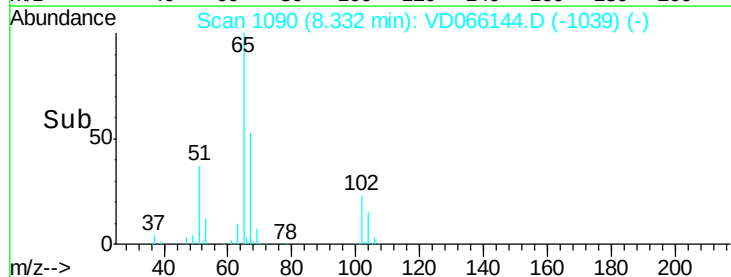
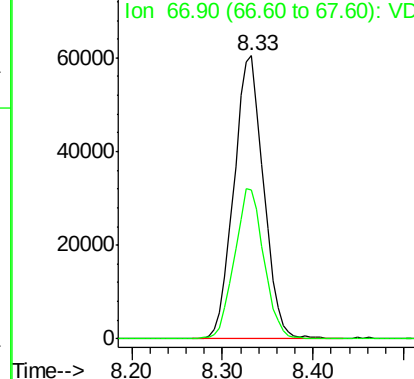
Ion Ratio Lower Upper

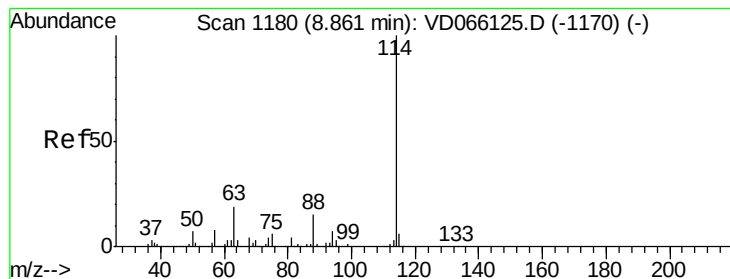
65 100

67 52.6 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: VD066144.D

Acq: 06 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-016-B

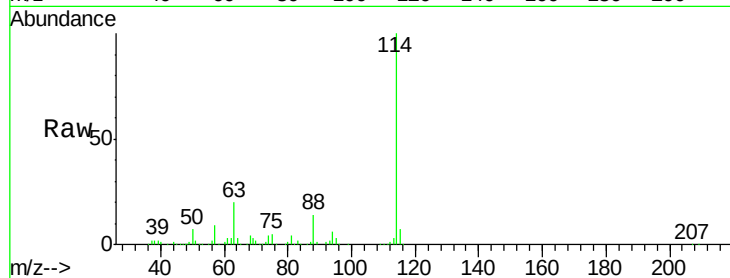
Tot Ion:114 Resp: 519890

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

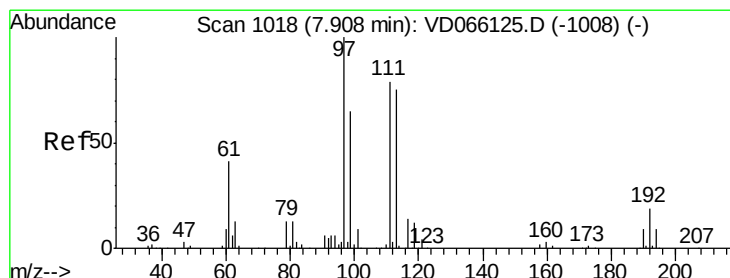
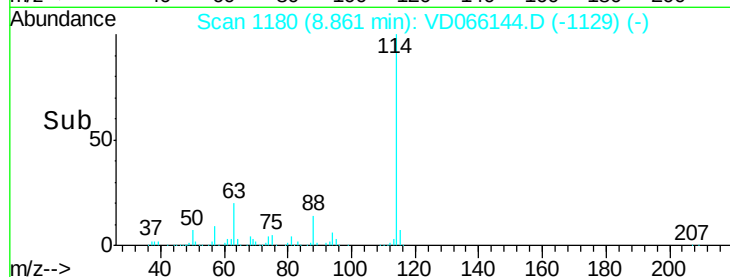
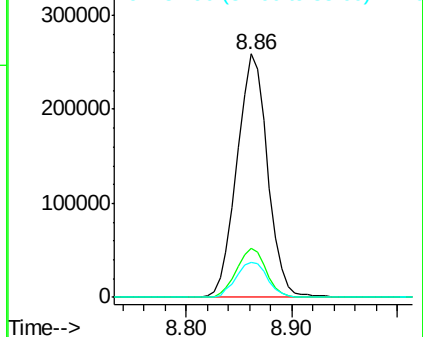
88 14.5 0.0 30.0



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: 49.796 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

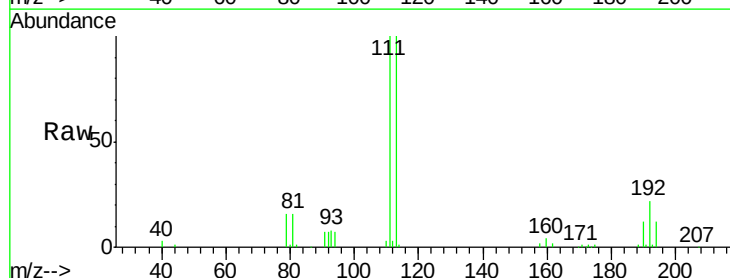
Tgt Ion:113 Resp: 164002

Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

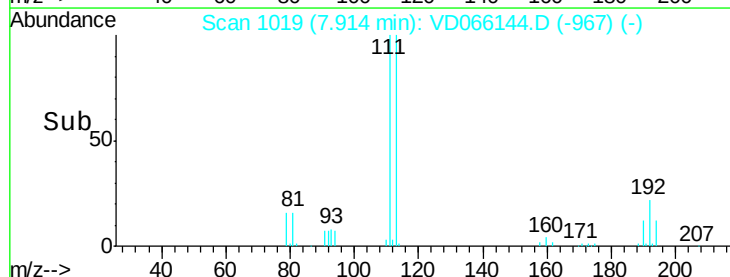
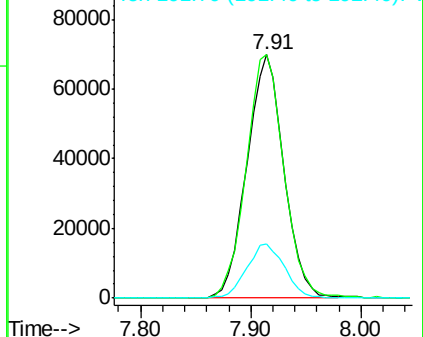
192 22.7 18.4 27.6

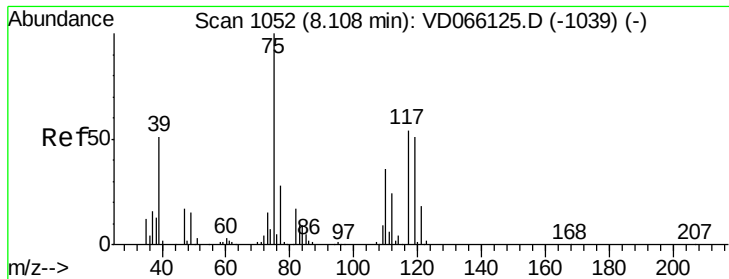


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

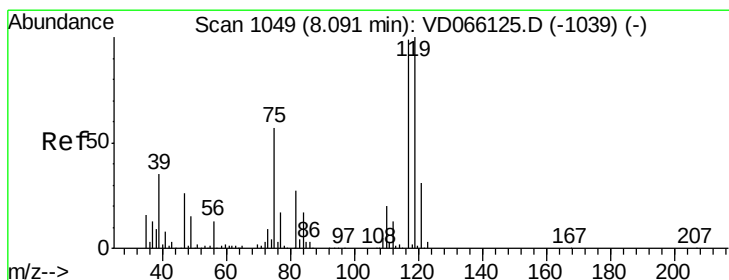
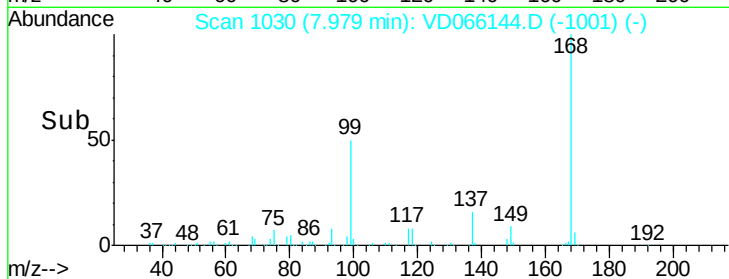
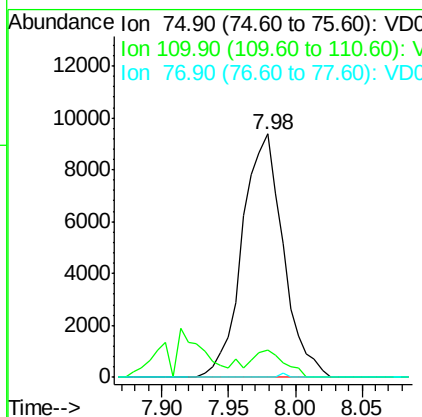
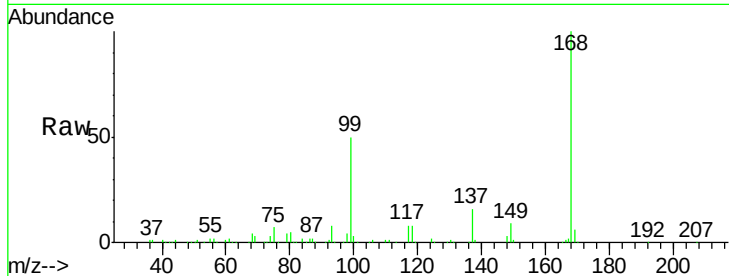




#36
 1,1-Dichloropropene
 Concen: 4.075 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066144.D
 Acq: 06 Aug 2020 19:40

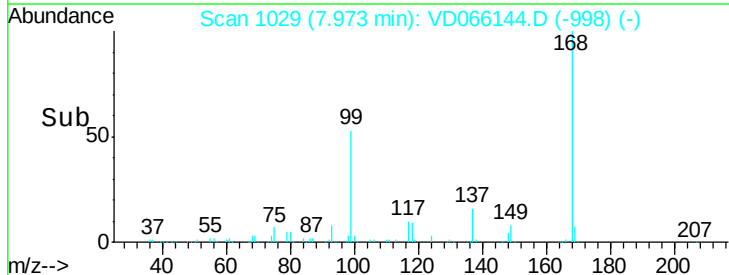
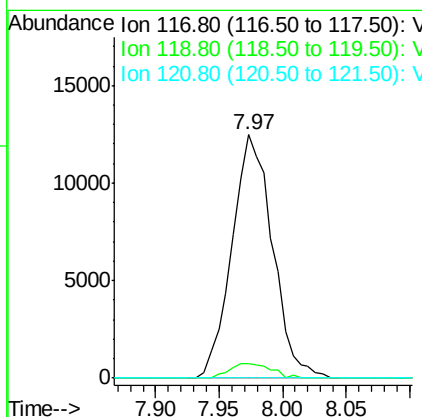
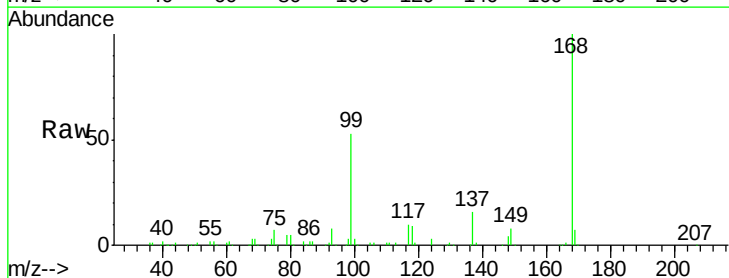
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-03-016-B

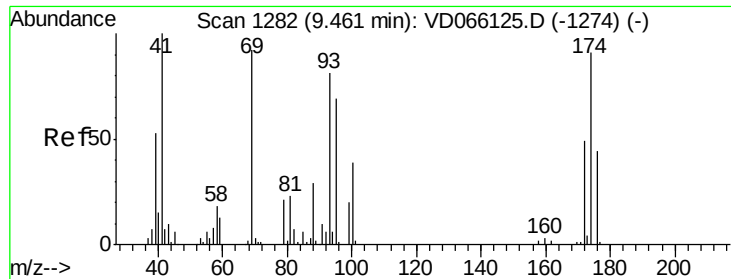
Tot Ion	75	Resp	19908
Ion Ratio	100	Lower	Upper
75	100		
110	10.5	18.8	56.3#
77	0.3	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 5.088 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066144.D
 Acq: 06 Aug 2020 19:40

Tgt Ion	117	Resp	27717
Ion Ratio	100	Lower	Upper
117	100		
119	5.9	81.0	121.4#
121	0.0	24.8	37.2#





#49

1,4-Dioxane

Concen: 2.345 ug/l

RT: 9.52 min Scan# 1292

Delta R.T. 0.06 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-016-B

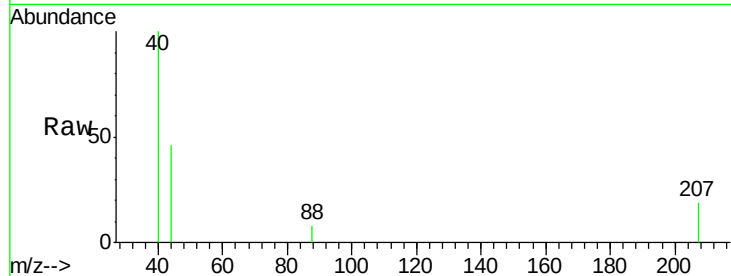
Tot Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 132.7 27.5 41.3#

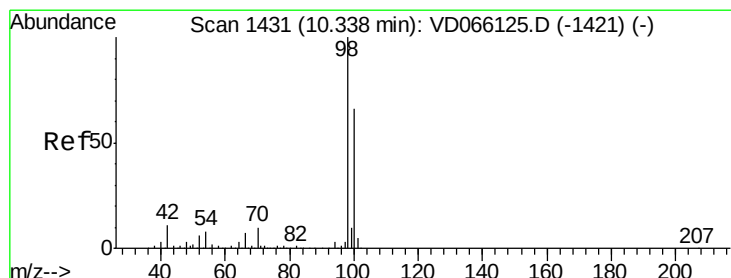
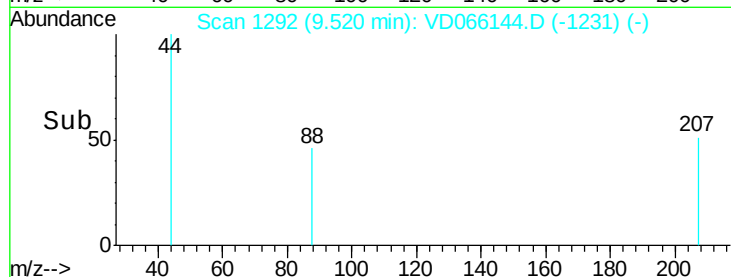
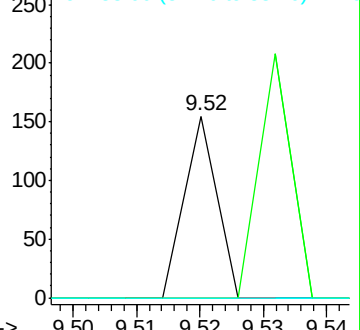
58 0.0 50.2 75.4#



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: 53.731 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066144.D

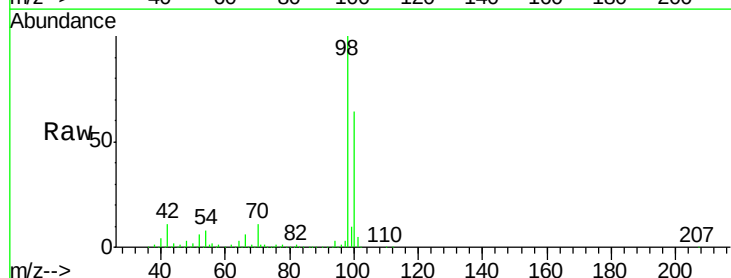
Acq: 06 Aug 2020 19:40

Tgt Ion: 98 Resp: 653032

Ion Ratio Lower Upper

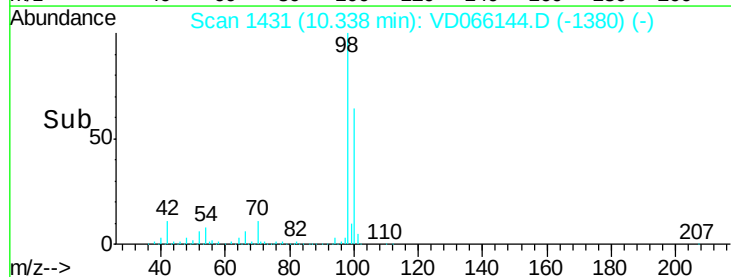
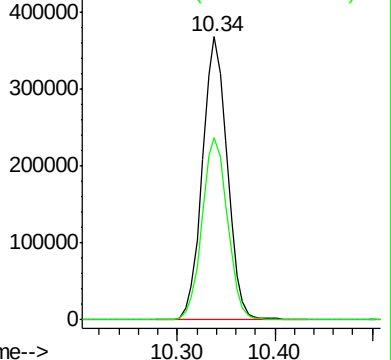
98 100

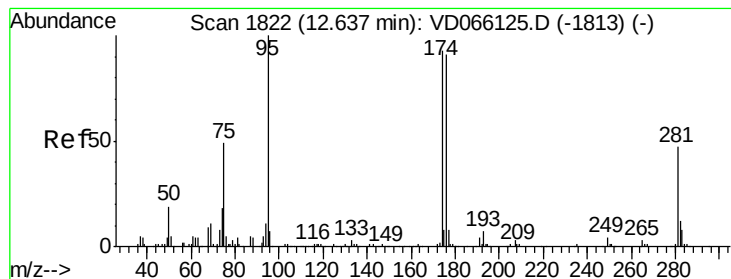
100 65.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 63.348 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-016-B

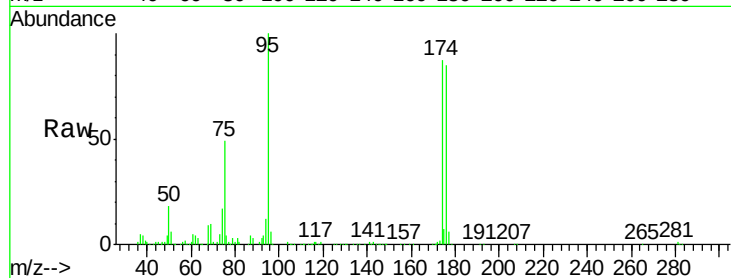
Tot Ion: 95 Resp: 277524

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.8

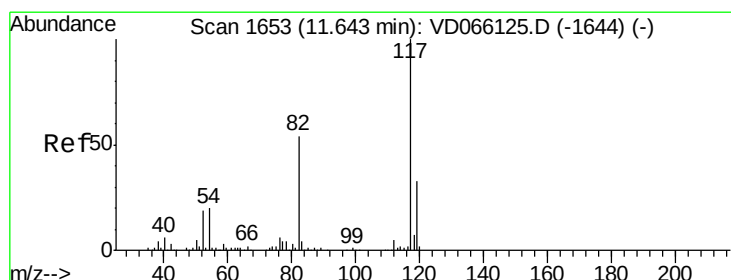
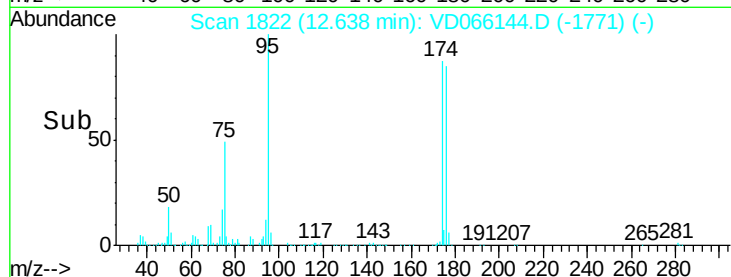
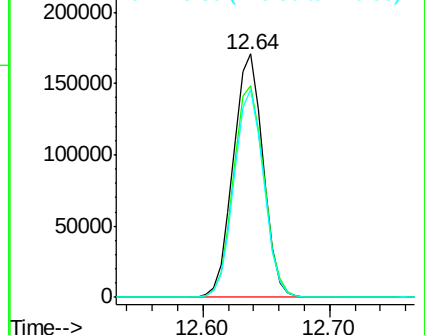
176 84.7 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD

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: VD066144.D

Acq: 06 Aug 2020 19:40

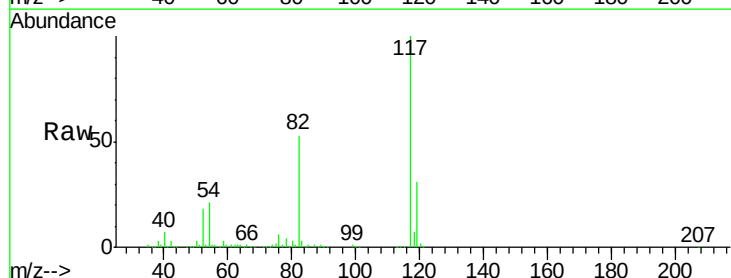
Tgt Ion: 117 Resp: 590843

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

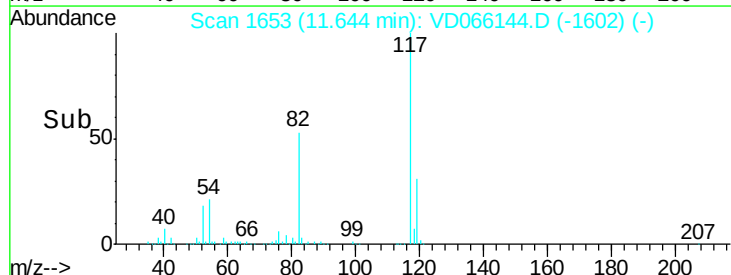
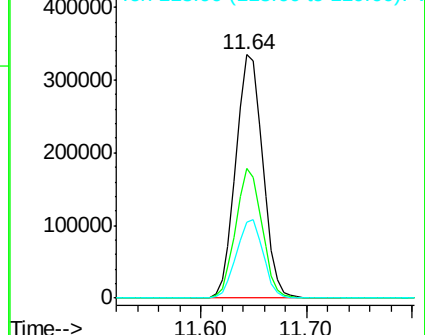
119 31.1 26.1 39.1

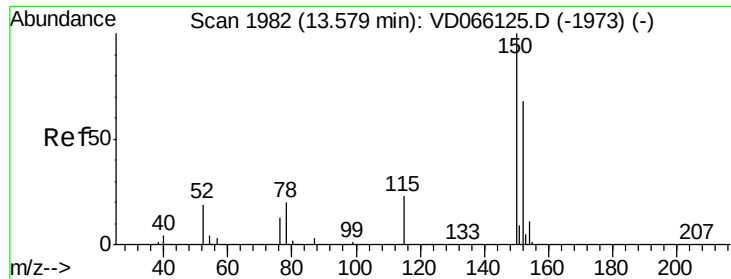


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V

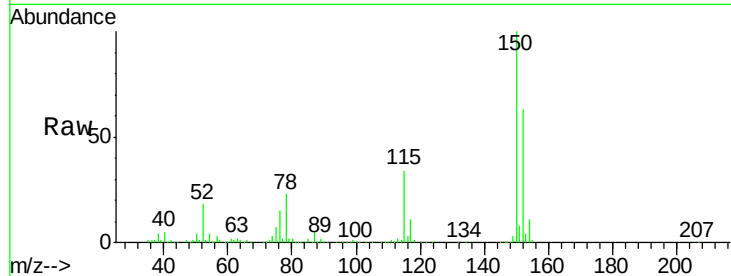




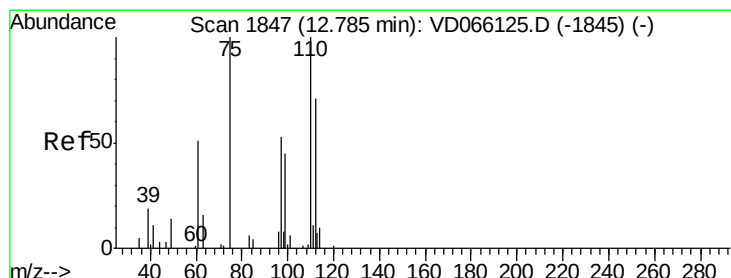
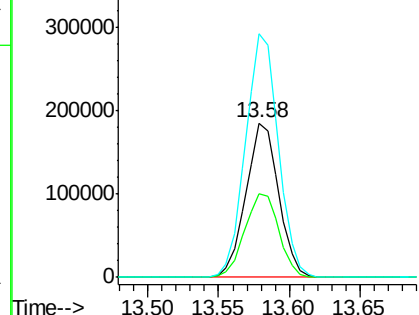
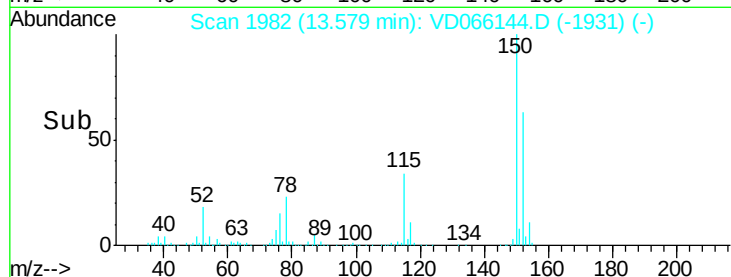
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066144.D
 Acq: 06 Aug 2020 19:40

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-03-016-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	83.9
150	158.0	0.0	346.4

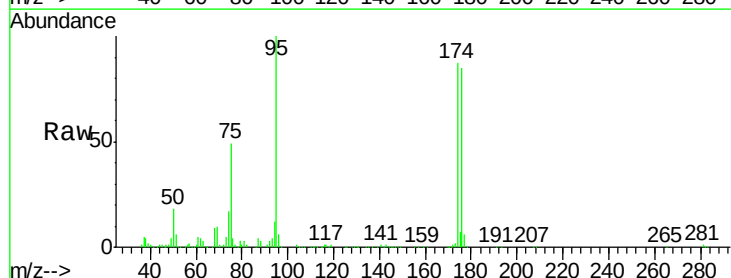


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

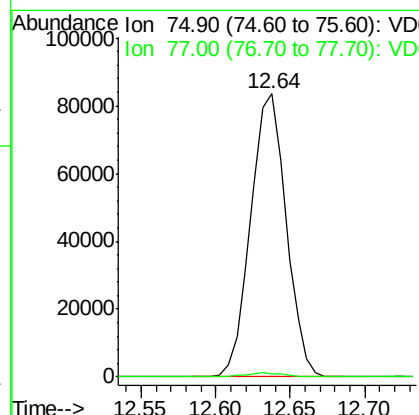
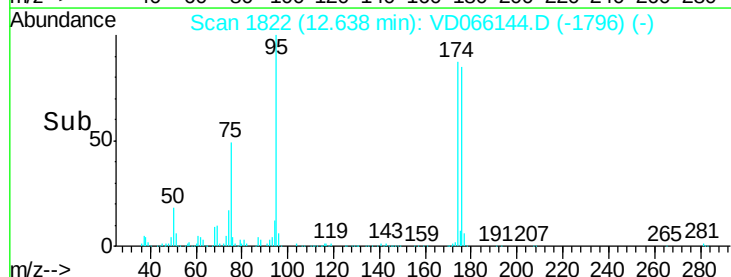


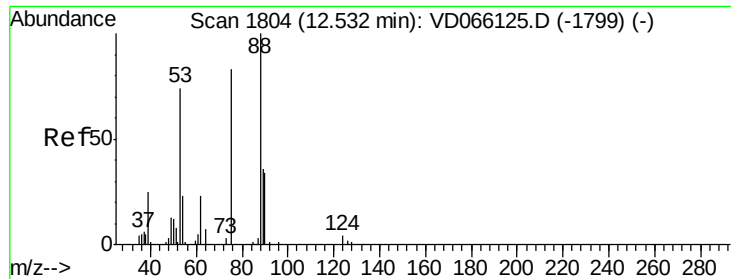
#76
 1,2,3-Trichloropropane
 Concen: 54.532 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066144.D
 Acq: 06 Aug 2020 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 120.547 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066144.D

Acq: 06 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-016-B

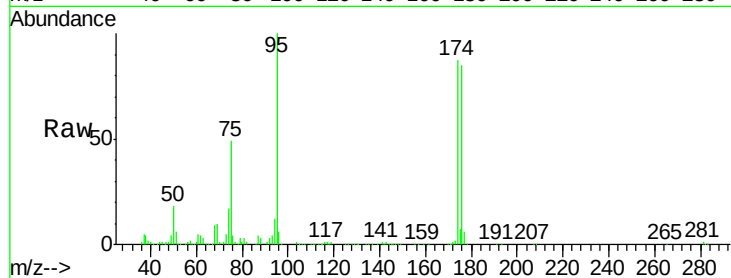
Tot Ion: 75 Resp: 137251

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

