

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066918.D
 Acq On : 28 Sep 2020 17:27
 Operator : VA/SY
 Sample : L4155-02
 Misc : 7.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-061-A

Quant Time: Sep 29 00:58:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	372903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	673463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	698252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328764	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	199038	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	
35) Dibromofluoromethane	7.91	113	212149	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	10.34	98	821260	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
62) 4-Bromofluorobenzene	12.63	95	305826	61.20	ug/l	0.00
Spiked Amount			Recovery	=	122.40%	

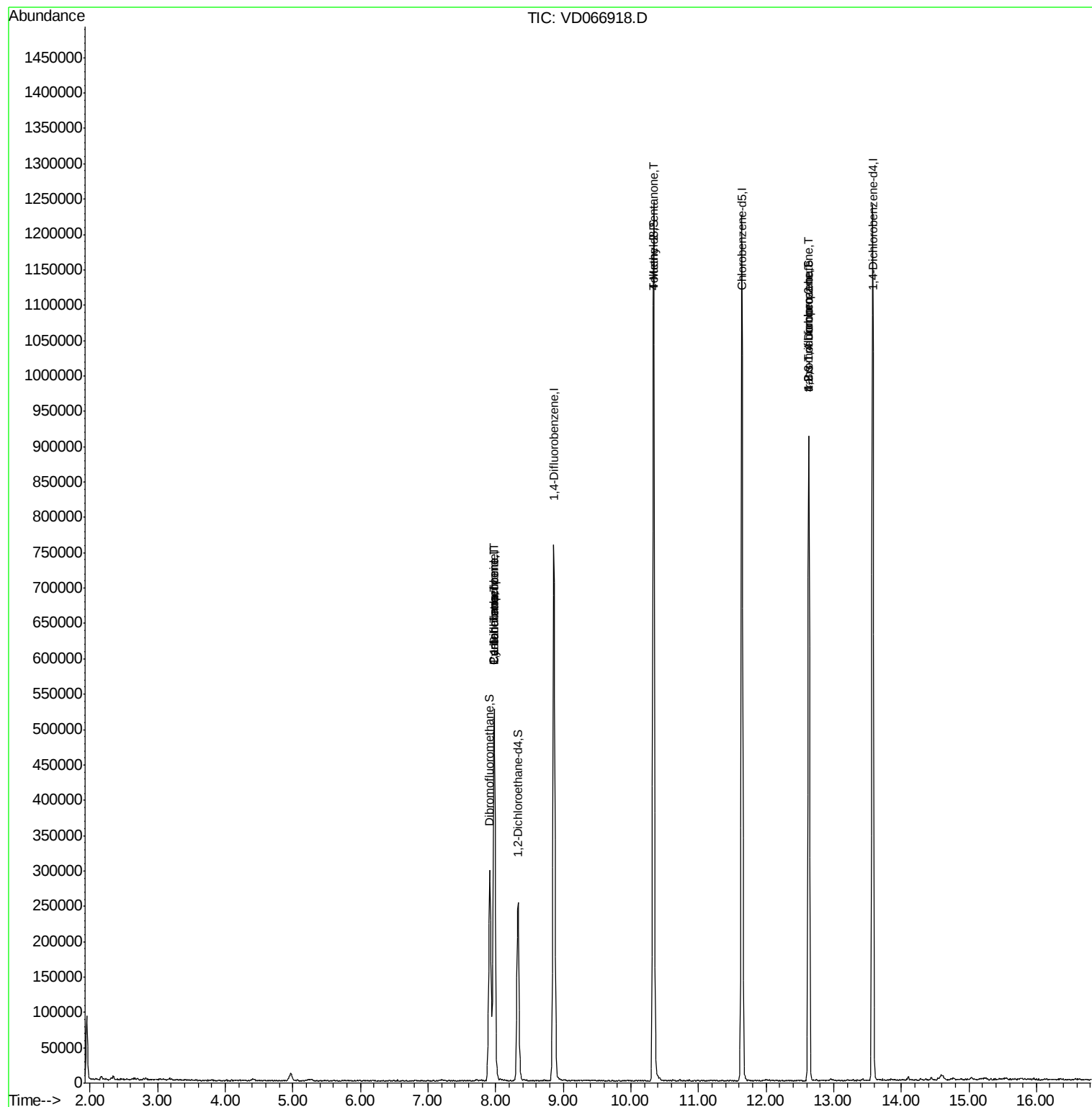
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	1995	Below Cal	#	72
18) Methyl Acetate	4.72	43	249	Below Cal	#	50
20) Methylene Chloride	4.98	84	7736	Below Cal	#	84
31) Cyclohexane	7.98	56	8052	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30592	4.579	ug/l #	49
38) Carbon Tetrachloride	7.97	117	38130	5.220	ug/l #	16
49) 1,4-Dioxane	9.70	88	83	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.33	43	3627	1.537	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	151156	55.480	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151156	138.805	ug/l #	10

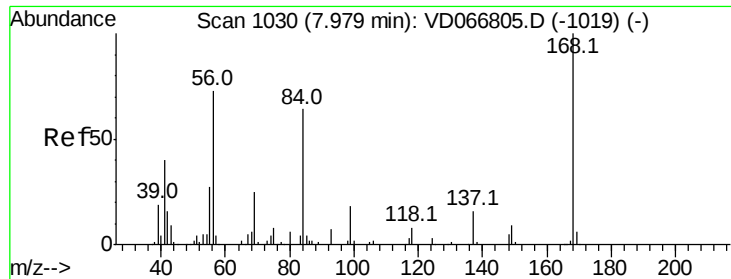
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092820\
Data File : VD066918.D
Acq On : 28 Sep 2020 17:27
Operator : VA/SY
Sample : L4155-02
Misc : 7.14G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-061-A

Quant Time: Sep 29 00:58:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

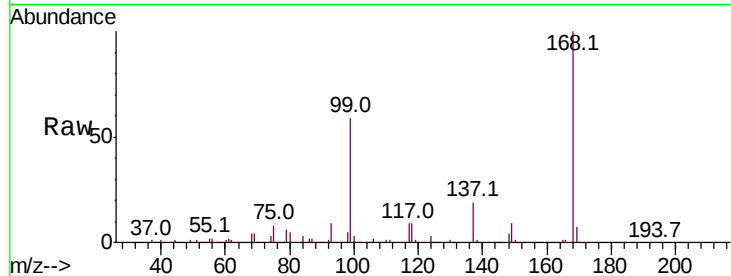
FK-GF-02-061-A

Tot Ion:168 Resp: 372903

Ion Ratio Lower Upper

168 100

99 58.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

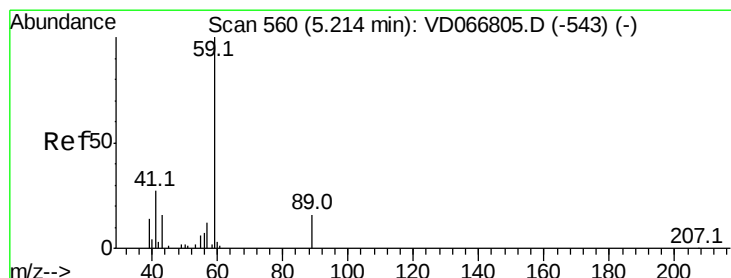
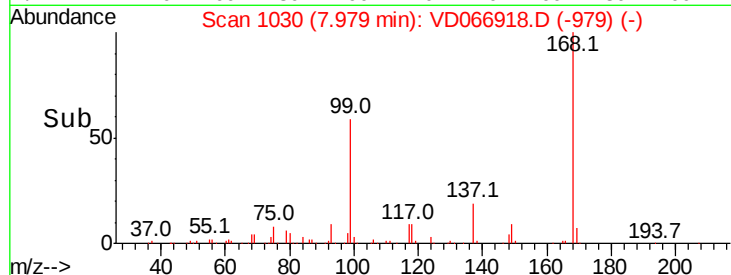
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD066918.D

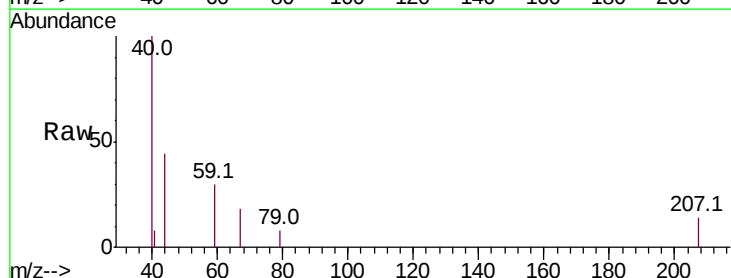
Acq: 28 Sep 2020 17:27

Tgt Ion: 59 Resp: 1995

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

800

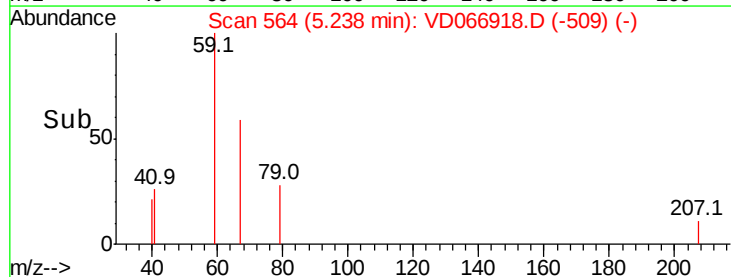
600

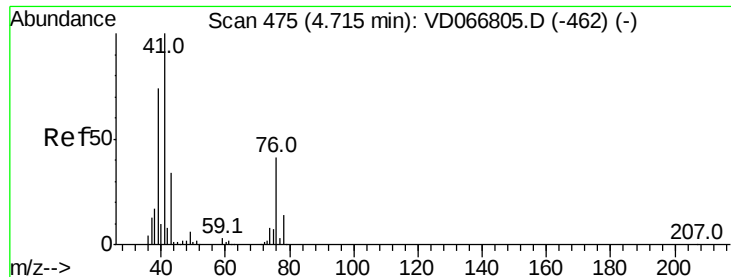
400

200

0

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

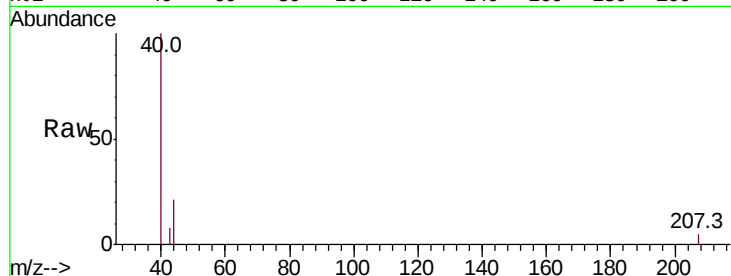
FK-GF-02-061-A

Tot Ion: 43 Resp: 249

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

300

250

200

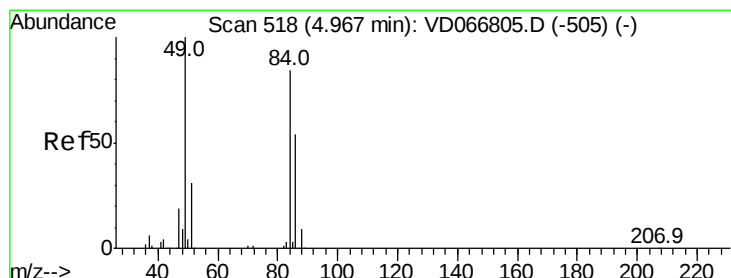
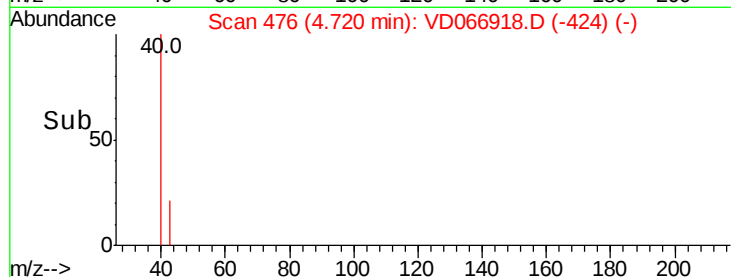
150

100

50

0

Time--> 4.70 4.72 4.74



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Tgt Ion: 84 Resp: 7736

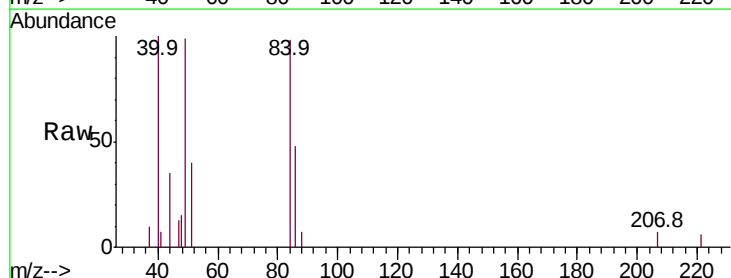
Ion Ratio Lower Upper

84 100

49 100.5 95.4 143.2

51 40.6 29.7 44.5

86 49.1 51.4 77.2#



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

5000

4000

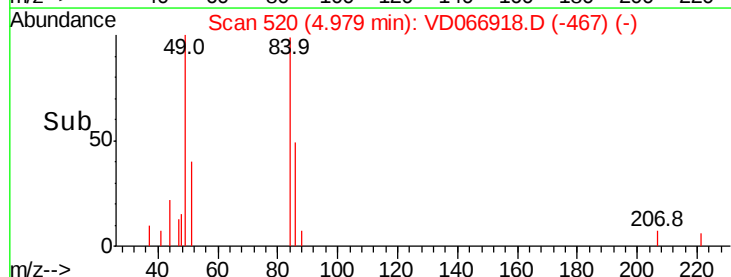
3000

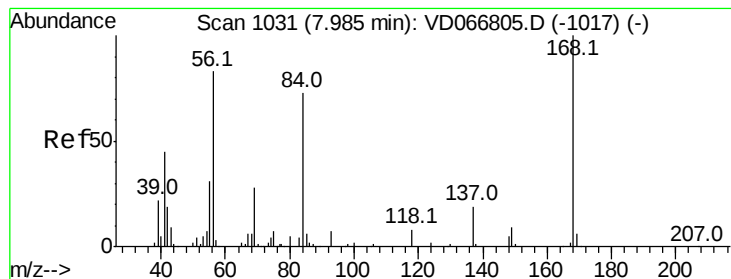
2000

1000

0

Time--> 4.85 4.90 4.95 5.00 5.05





#31

Cyclohexane

Concen: 1.213 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-061-A

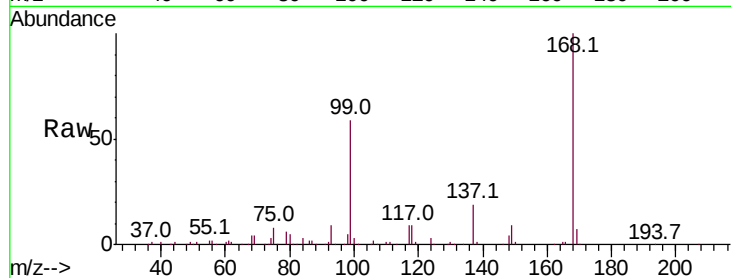
Tot Ion: 56 Resp: 8052

Ion Ratio Lower Upper

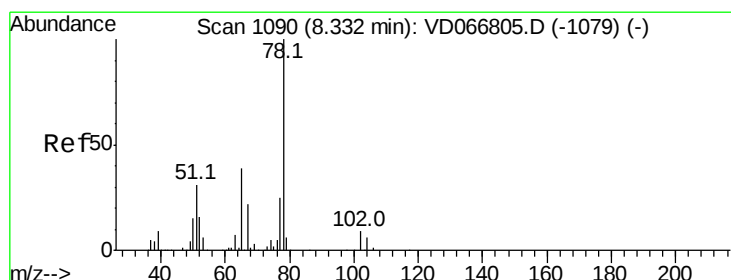
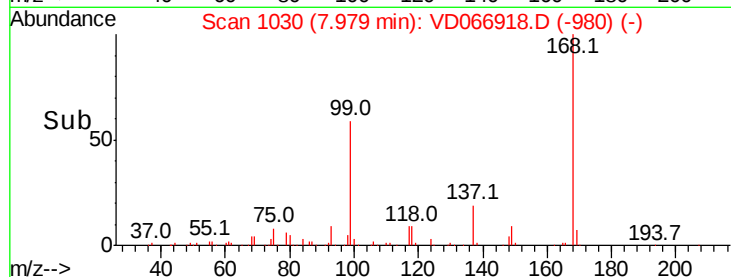
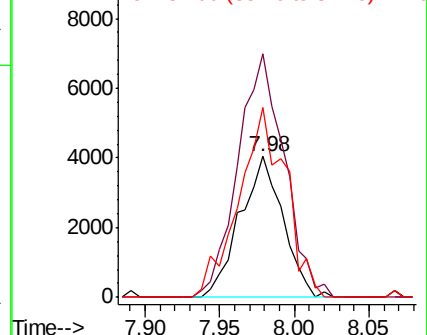
56 100

69 172.8 27.0 40.4#

84 134.8 70.2 105.4#



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: 54.534 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066918.D

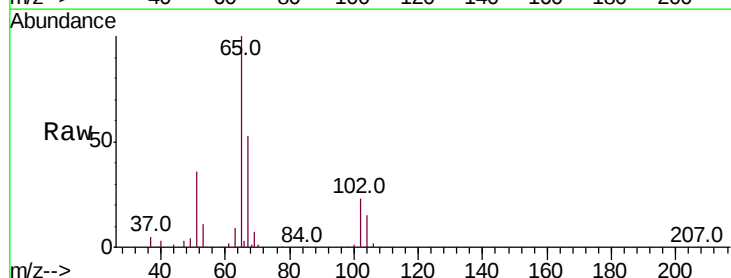
Acq: 28 Sep 2020 17:27

Tgt Ion: 65 Resp: 199038

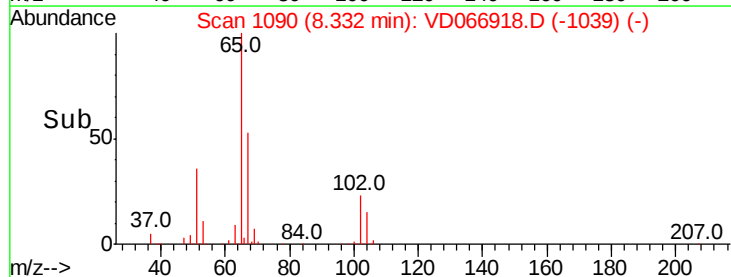
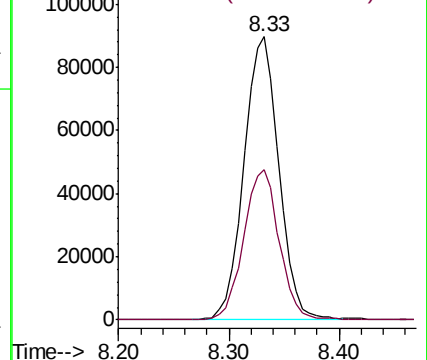
Ion Ratio Lower Upper

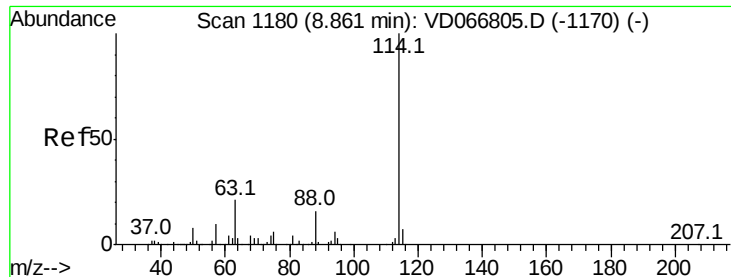
65 100

67 54.0 0.0 107.2



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

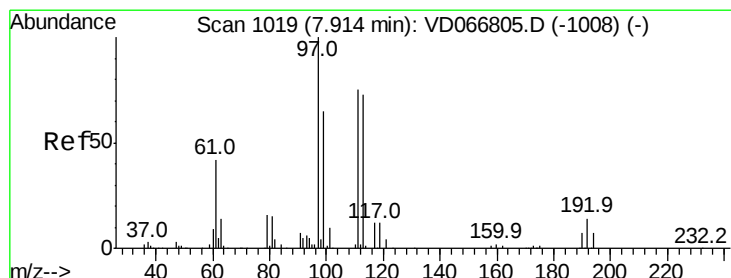
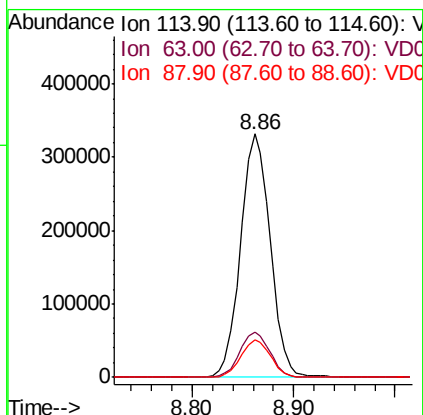
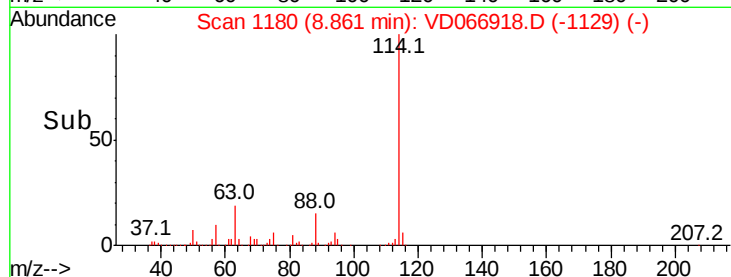
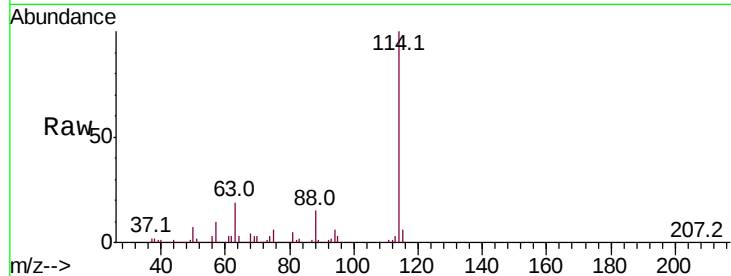




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066918.D
 Acq: 28 Sep 2020 17:27

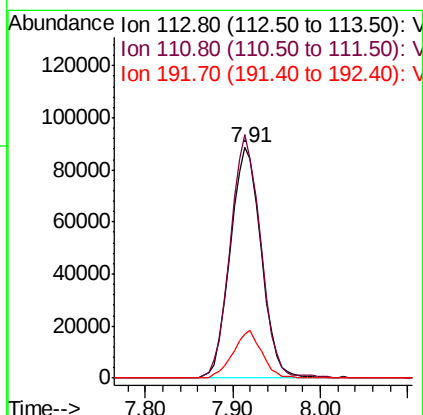
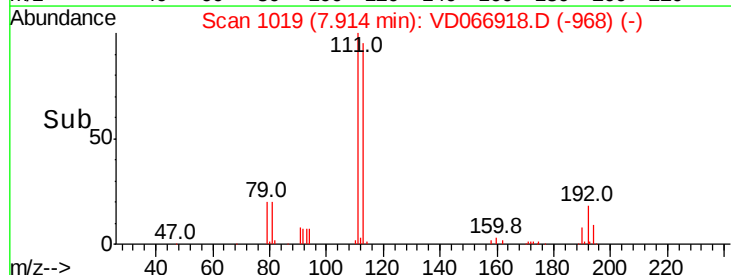
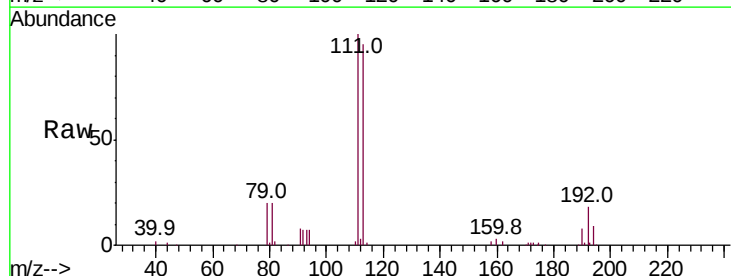
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-061-A

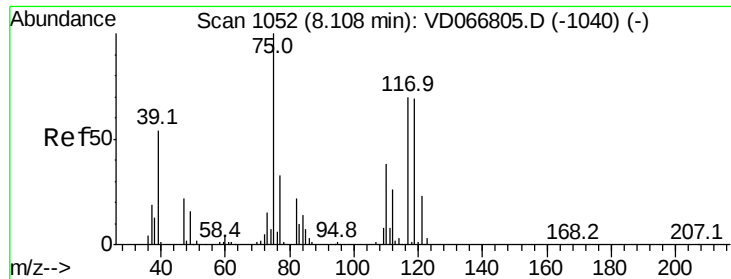
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	42.6
88	15.4	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 49.515 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066918.D
 Acq: 28 Sep 2020 17:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.8	122.8
192	19.0	14.4	21.6





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-061-A

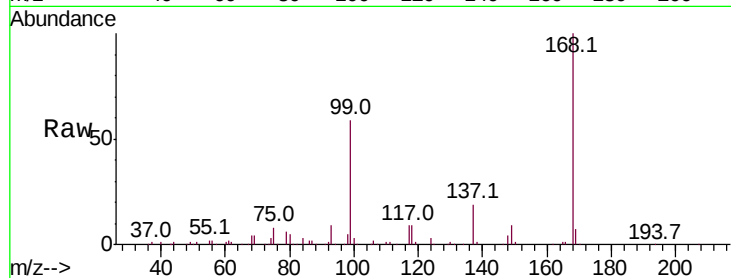
Tot Ion: 75 Resp: 30592

Ion Ratio Lower Upper

75 100

110 9.1 17.9 53.8#

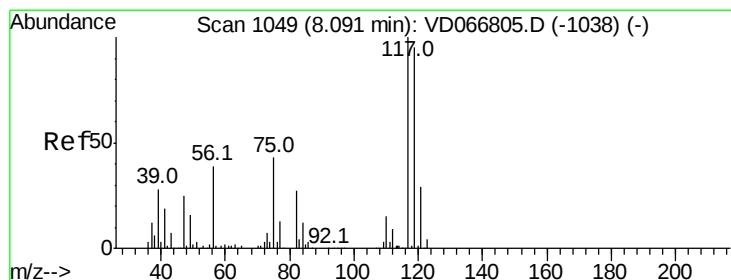
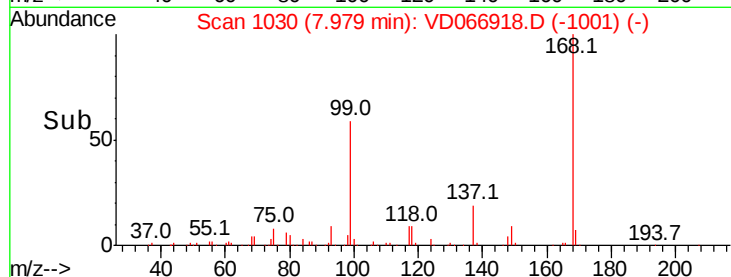
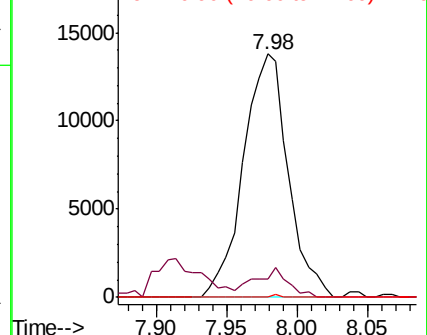
77 0.2 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.220 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

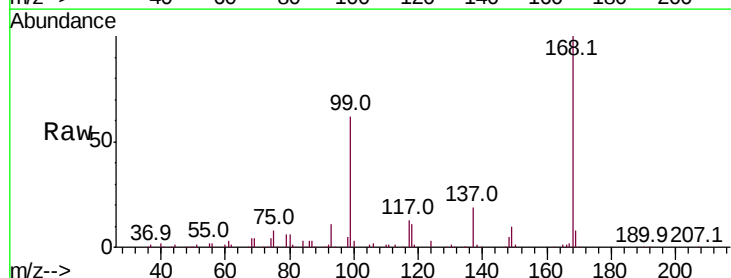
Tgt Ion: 117 Resp: 38130

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

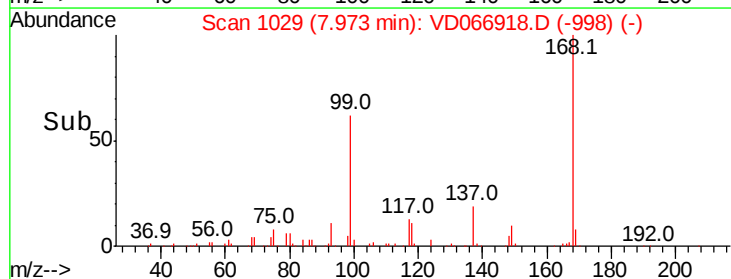
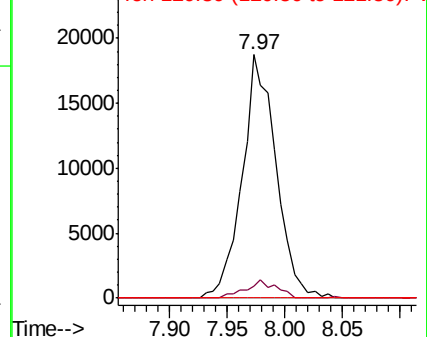
121 0.0 23.4 35.0#

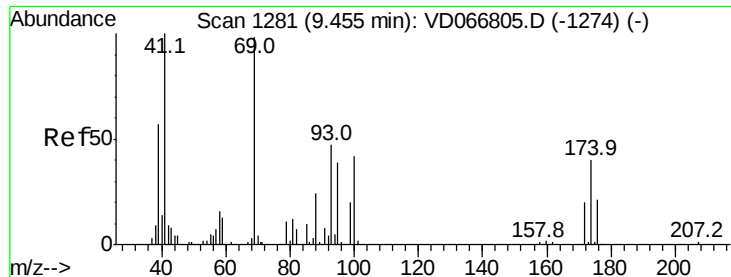


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.70 min Scan# 1323

Delta R.T. 0.25 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-061-A

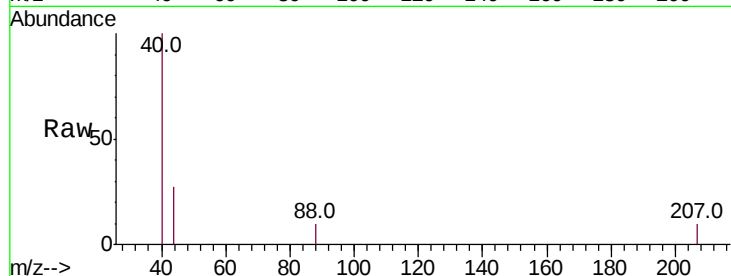
Tot Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 78.3 27.7 41.5#

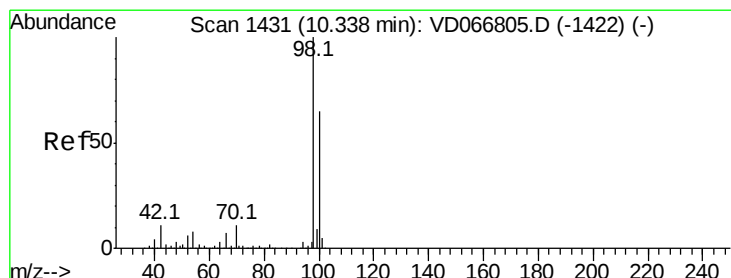
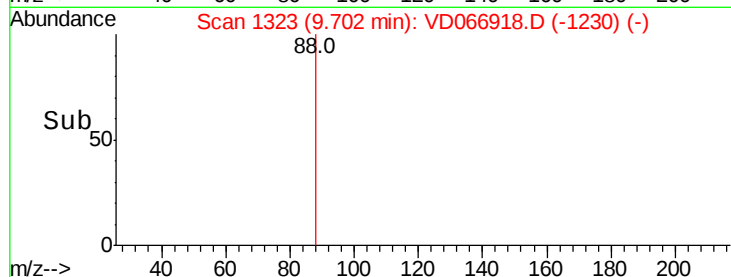
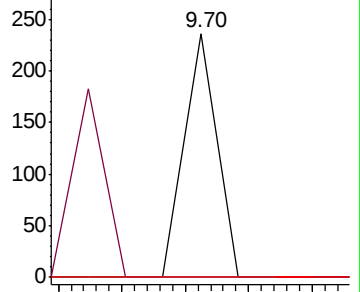
58 0.0 55.5 83.3#



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: 56.257 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066918.D

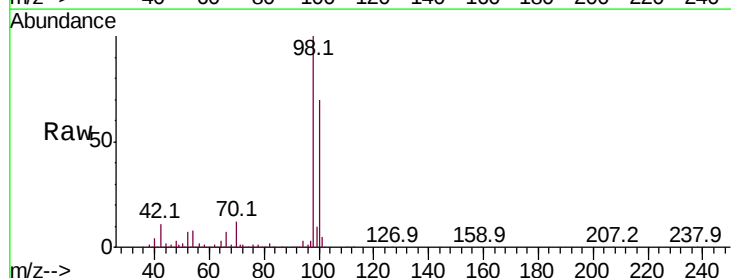
Acq: 28 Sep 2020 17:27

Tgt Ion: 98 Resp: 821260

Ion Ratio Lower Upper

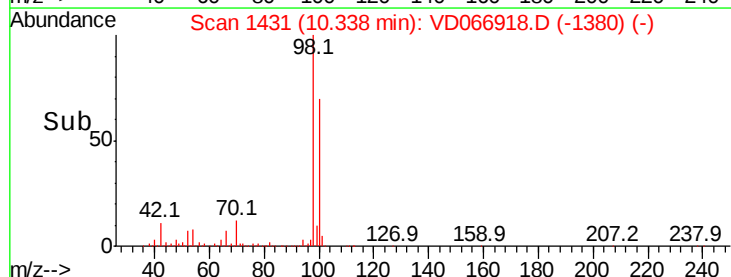
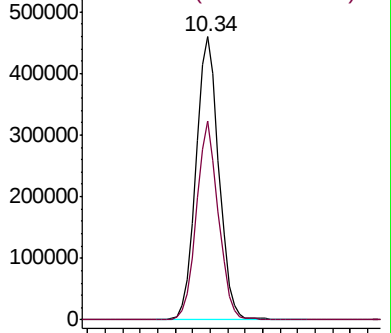
98 100

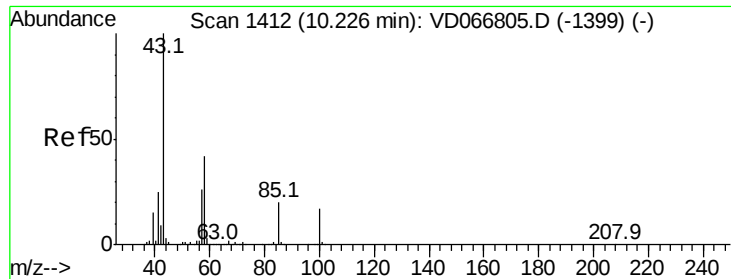
100 67.1 52.2 78.2



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: 1.537 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

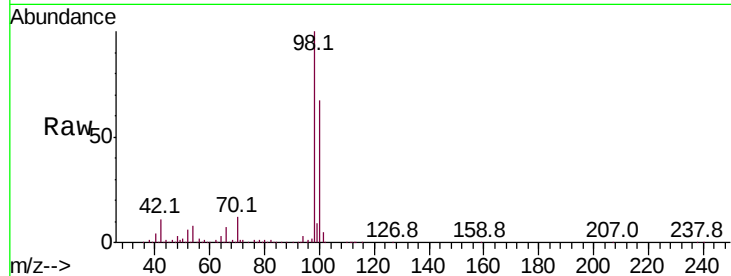
FK-GF-02-061-A

Tot Ion: 43 Resp: 3627

Ion Ratio Lower Upper

43 100

58 189.7 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

5000

4000

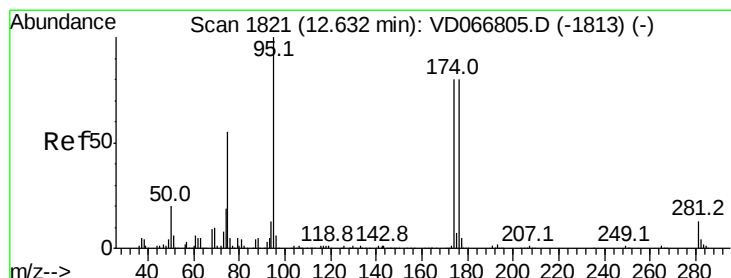
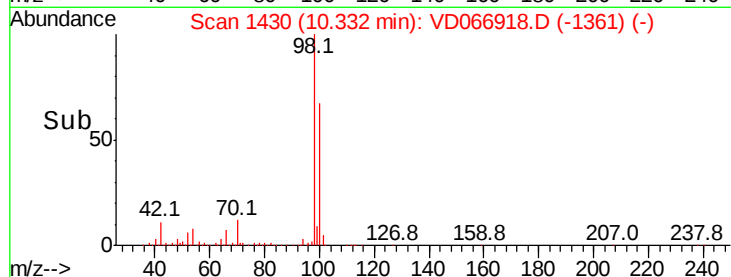
3000

2000

1000

0

Time--> 10.25 10.30 10.35



#62

4-Bromofluorobenzene

Concen: 61.196 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

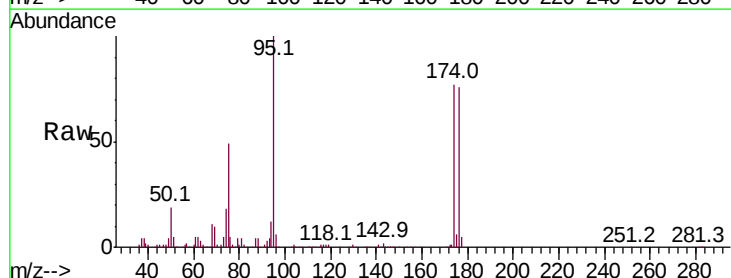
Tgt Ion: 95 Resp: 305826

Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.8

176 77.5 0.0 154.4



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

250000

200000

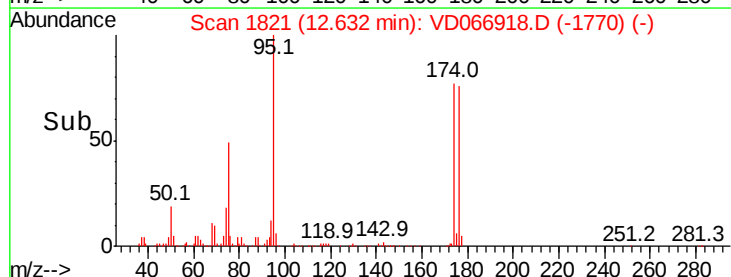
150000

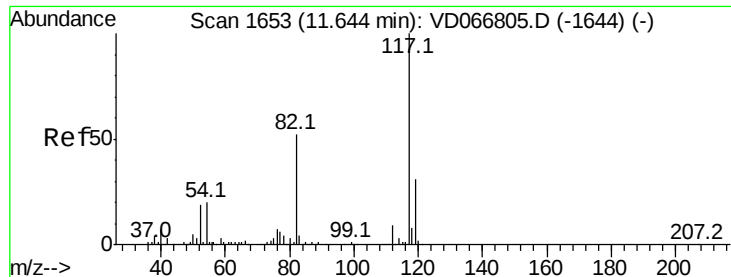
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

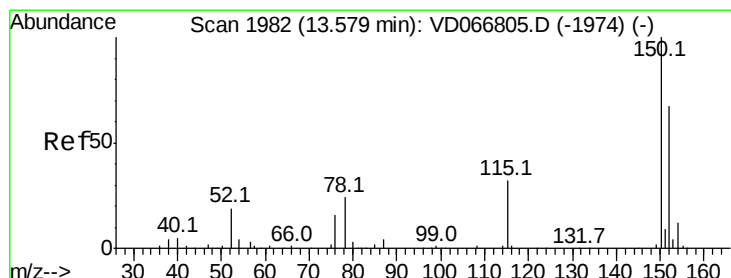
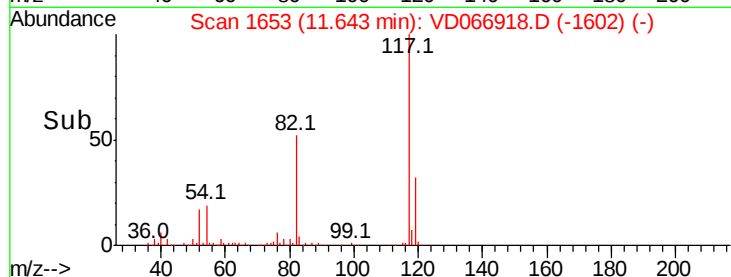
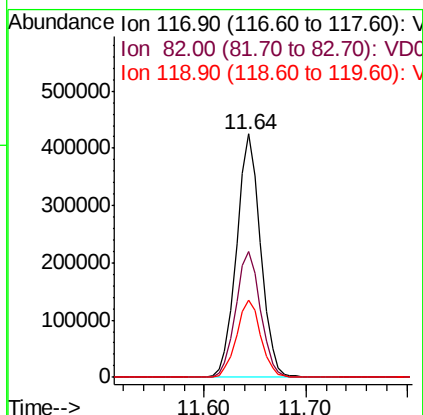
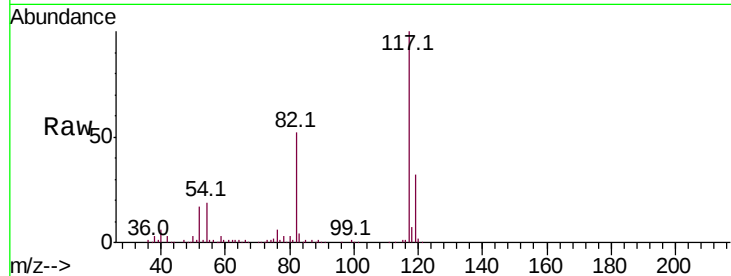




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066918.D
Acq: 28 Sep 2020 17:27

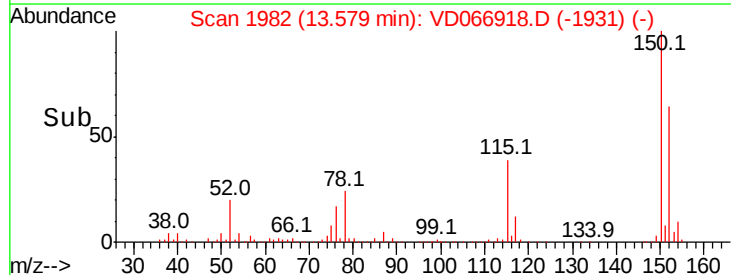
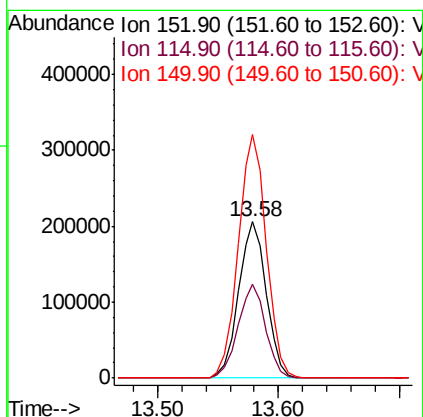
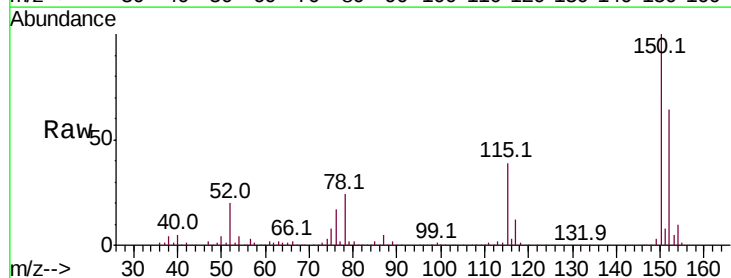
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-061-A

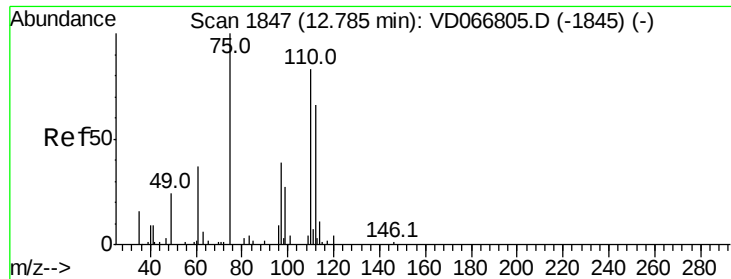
Tot Ion:117 Resp: 698252
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.6
119 31.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066918.D
Acq: 28 Sep 2020 17:27

Tgt Ion:152 Resp: 328764
Ion Ratio Lower Upper
152 100
115 59.7 30.3 91.0
150 156.9 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 55.480 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

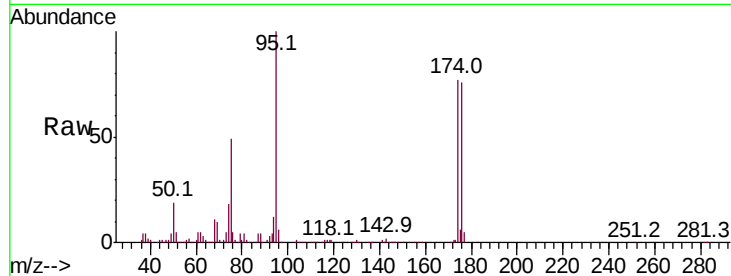
FK-GF-02-061-A

Tot Ion: 75 Resp: 151156

Ion Ratio Lower Upper

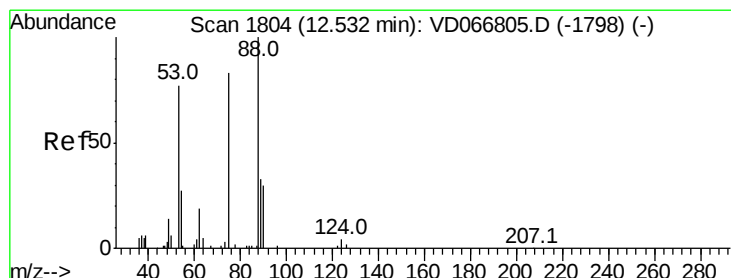
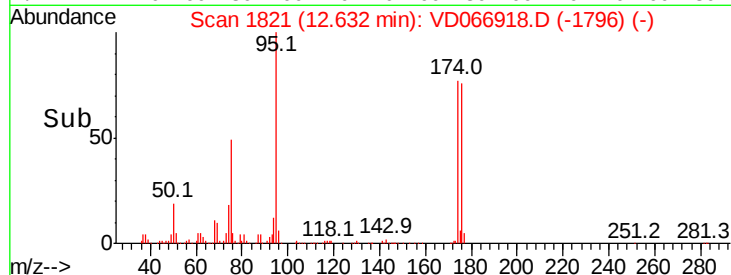
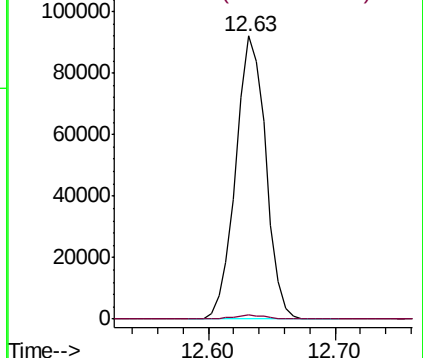
75 100

77 1.5 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: 138.805 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066918.D

Acq: 28 Sep 2020 17:27

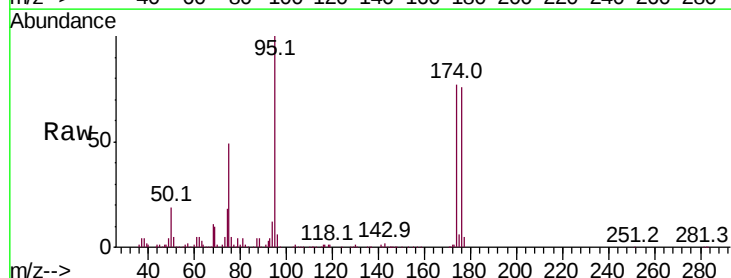
Tgt Ion: 75 Resp: 151156

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.2 38.1 57.1#



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

