

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066776.D
 Acq On : 18 Sep 2020 19:49
 Operator : VA/SY
 Sample : L3870-06RE
 Misc : 5.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-091720

Quant Time: Sep 19 03:16:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	255291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	457294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	460633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	202346	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	188922	69.36	ug/l	0.00
Spiked Amount			Recovery	=	138.72%	
35) Dibromofluoromethane	7.91	113	166693	59.46	ug/l	0.00
Spiked Amount			Recovery	=	118.92%	
50) Toluene-d8	10.34	98	573761	57.44	ug/l	0.00
Spiked Amount			Recovery	=	114.88%	
62) 4-Bromofluorobenzene	12.63	95	194486	56.41	ug/l	0.00
Spiked Amount			Recovery	=	112.82%	

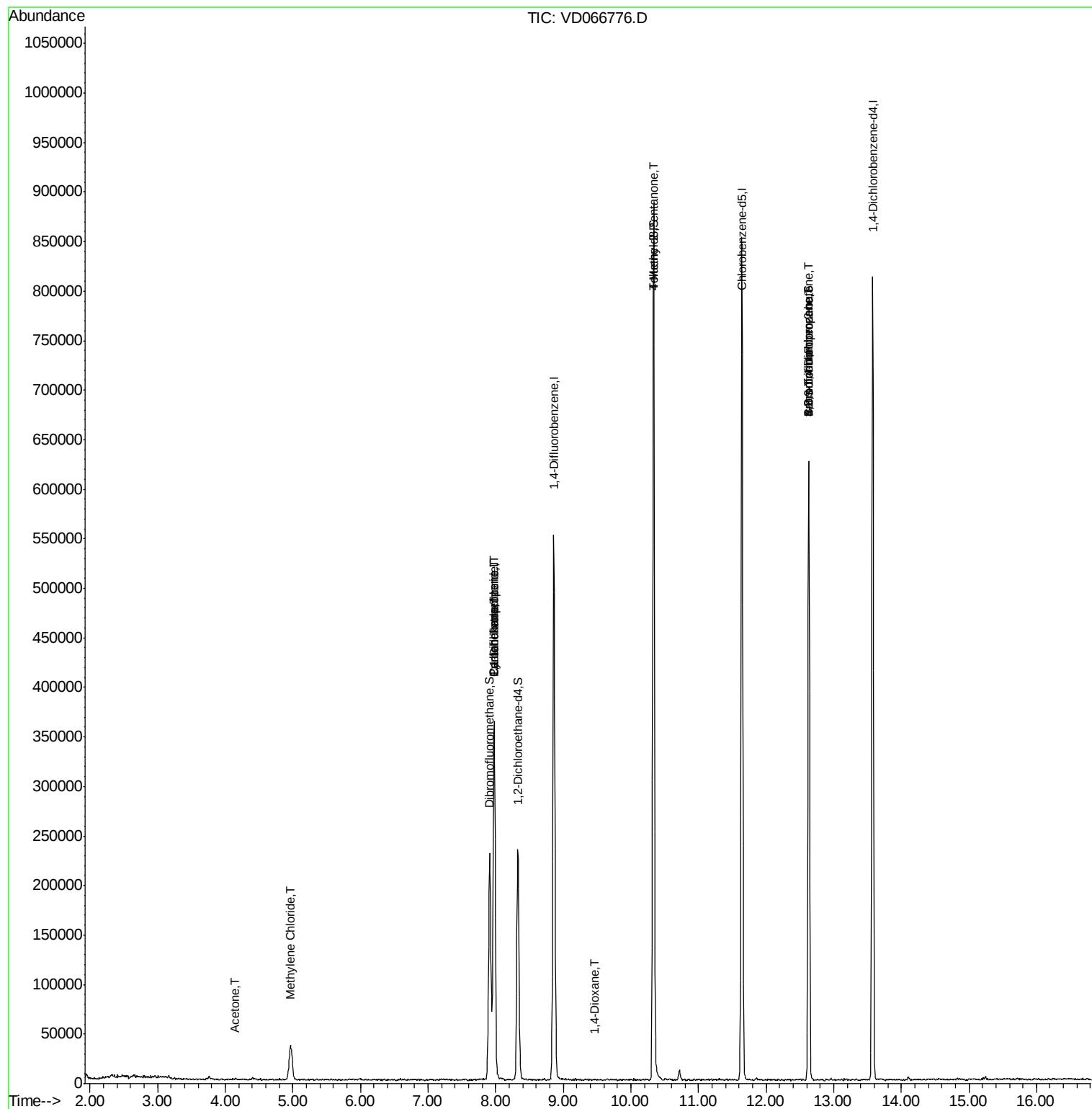
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	104	Below Cal	#	43
16) Acetone	4.15	43	898	1.619	ug/l	99
18) Methyl Acetate	4.64	43	54	Below Cal	#	52
20) Methylene Chloride	4.96	84	26946	1.964	ug/l #	81
31) Cyclohexane	7.97	56	6341	1.318	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	23778	5.057	ug/l #	50
38) Carbon Tetrachloride	7.98	117	30237	6.056	ug/l #	17
49) 1,4-Dioxane	9.47	88	55	2.971	ug/l #	1
51) 4-Methyl-2-Pentanone	10.34	43	3064	1.776	ug/l #	1
71) Bromoform	12.63	173	1836	1.040	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	108590	62.696	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	108590	135.309	ug/l #	8

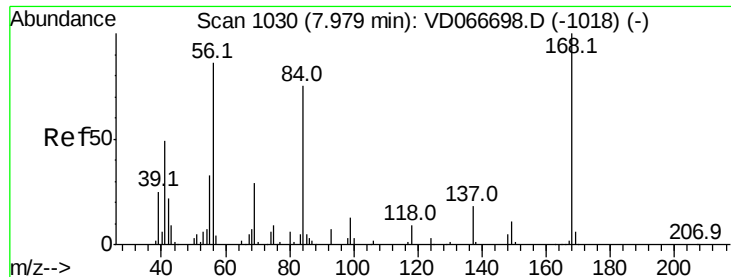
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

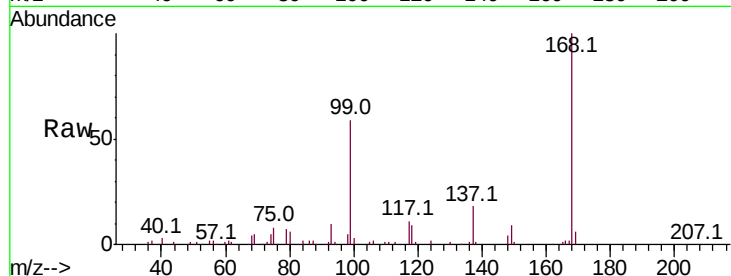
SU-02-091720

Tot Ion:168 Resp: 255291

Ion Ratio Lower Upper

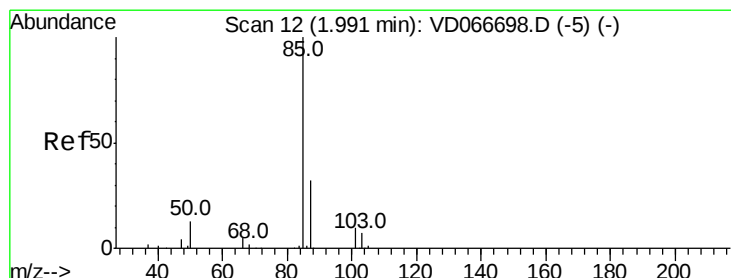
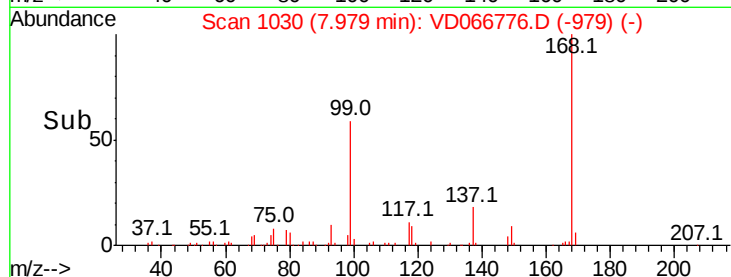
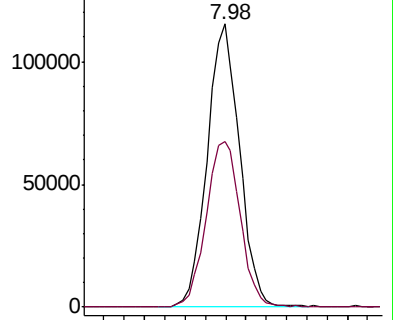
168 100

99 58.6 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066776.D

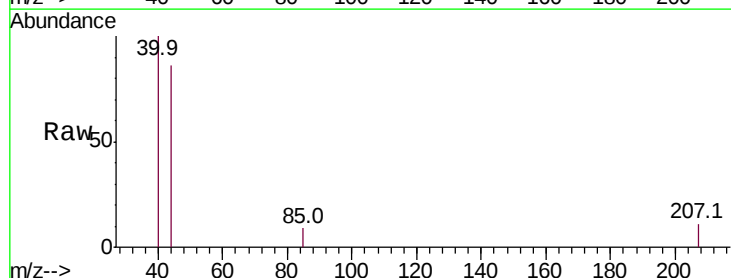
Acq: 18 Sep 2020 19:49

Tgt Ion: 85 Resp: 104

Ion Ratio Lower Upper

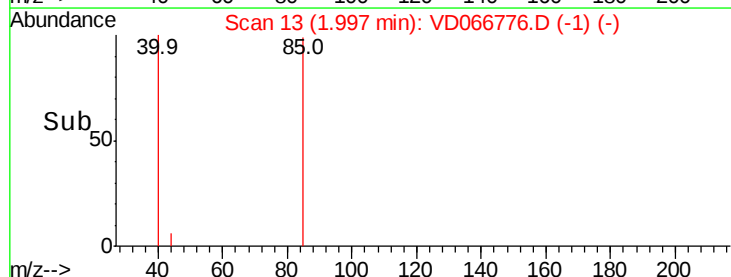
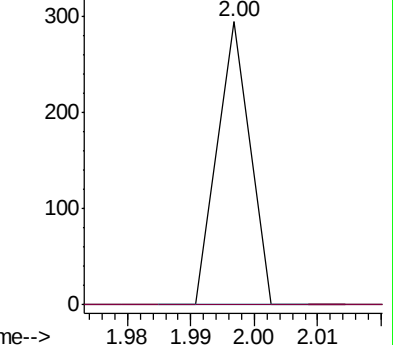
85 100

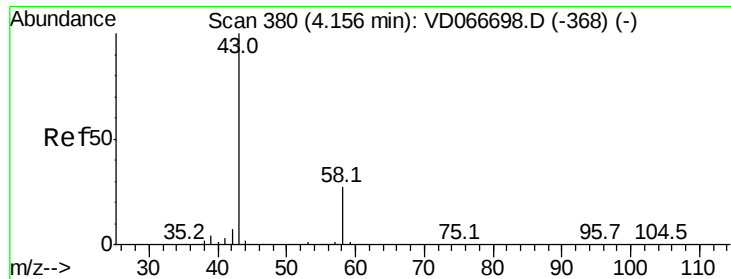
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 1.619 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

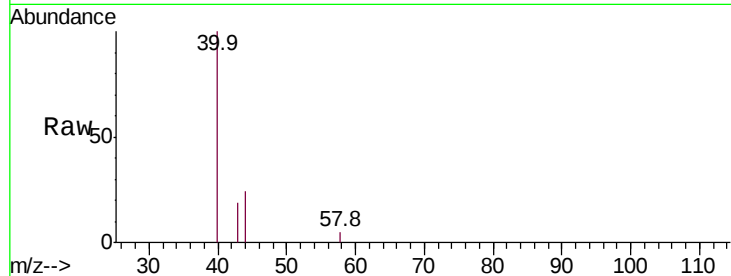
SU-02-091720

Tot Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

58 26.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800

600

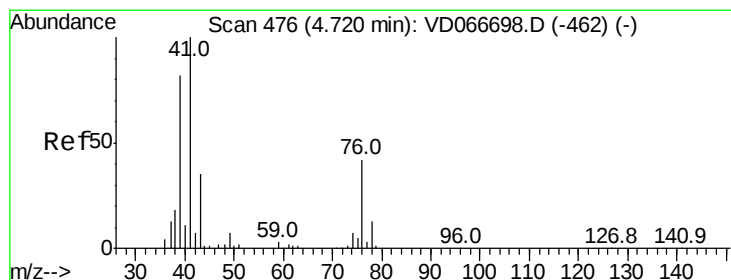
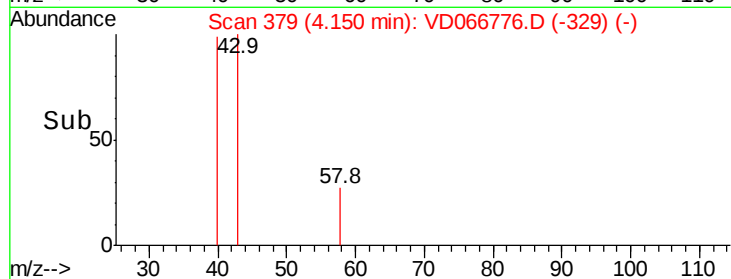
400

200

0

4.12 4.14 4.16 4.18

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.64 min Scan# 463

Delta R.T. -0.08 min

Lab File: VD066776.D

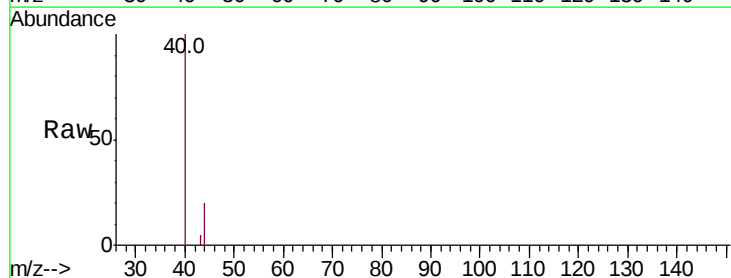
Acq: 18 Sep 2020 19:49

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

150

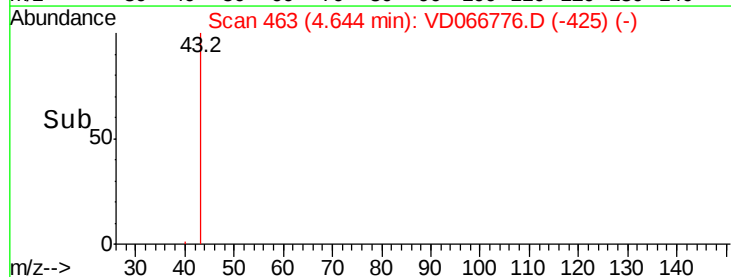
100

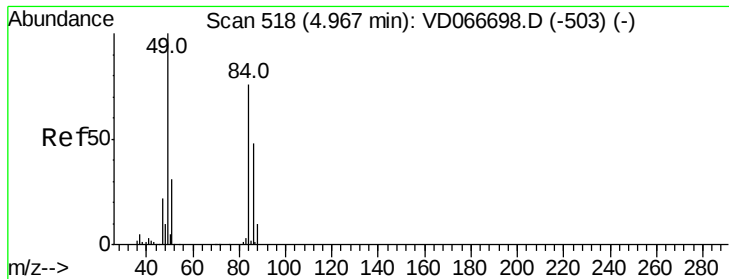
50

0

4.63 4.64 4.65 4.66

Time-->

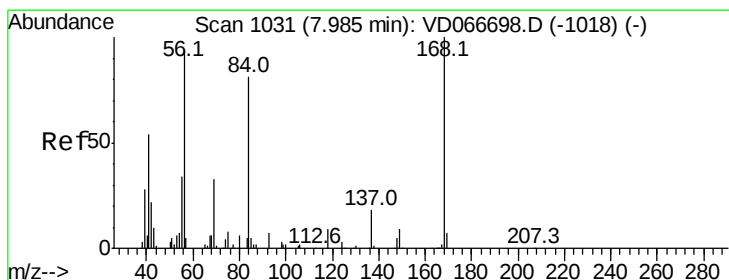
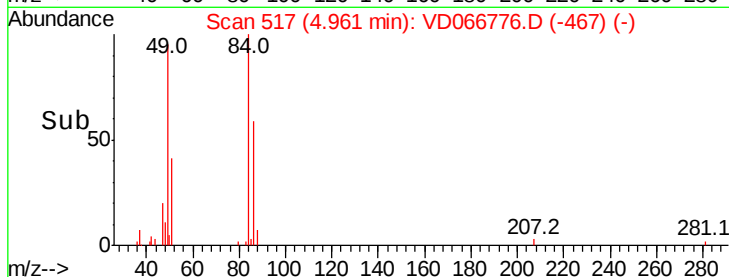
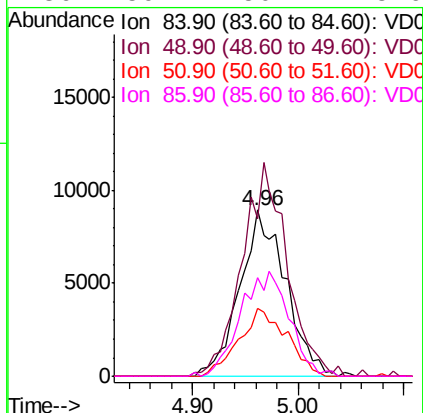
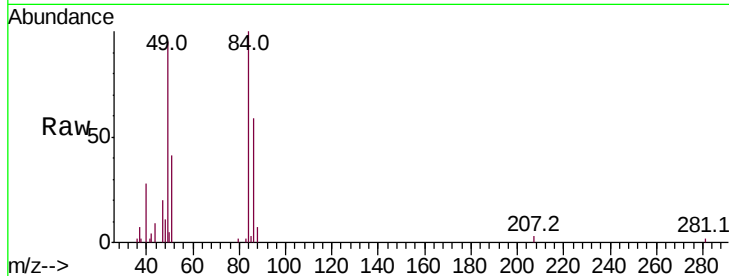




#20
Methvlene Chloride
Concen: 1.964 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066776.D
Acq: 18 Sep 2020 19:49

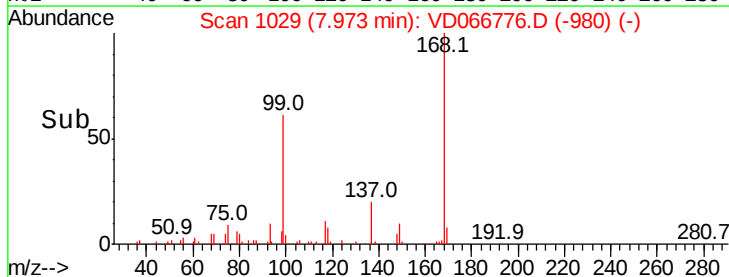
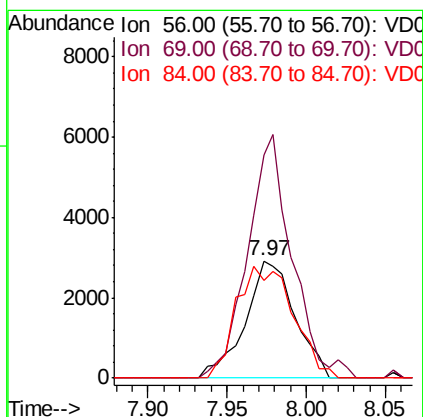
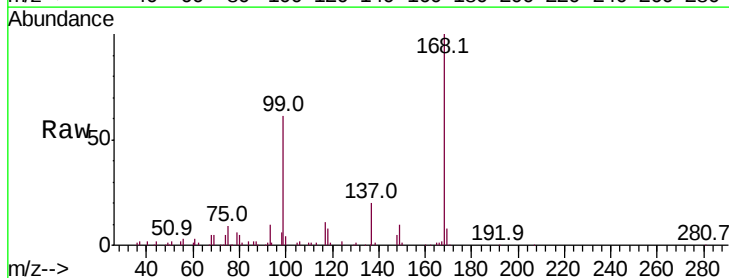
Instrument :
MSVOA_D
ClientSampleId :
SU-02-091720

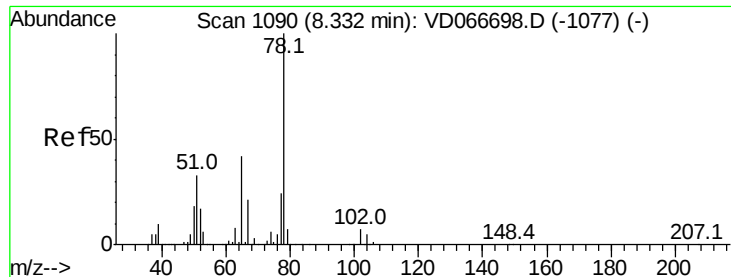
Tot Ion:	84	Resp:	26946
Ion	Ratio	Lower	Upper
84	100		
49	94.5	105.0	157.6#
51	40.7	32.2	48.4
86	59.2	50.4	75.6



#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066776.D
Acq: 18 Sep 2020 19:49

Tgt Ion:	56	Resp:	6341
Ion	Ratio	Lower	Upper
56	100		
69	190.2	27.7	41.5#
84	83.6	68.5	102.7





#33

1,2-Dichloroethane-d4

Concen: 69.360 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

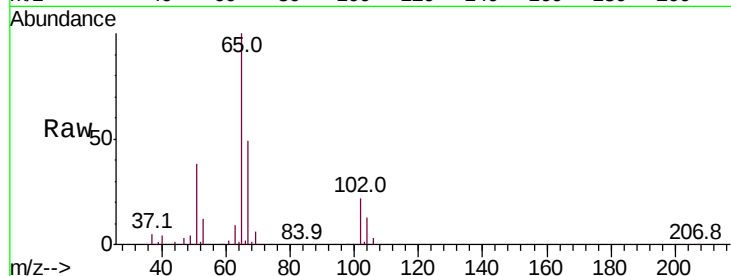
SU-02-091720

Tot Ion: 65 Resp: 188922

Ion Ratio Lower Upper

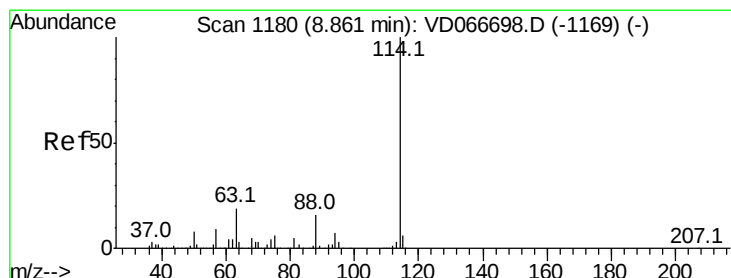
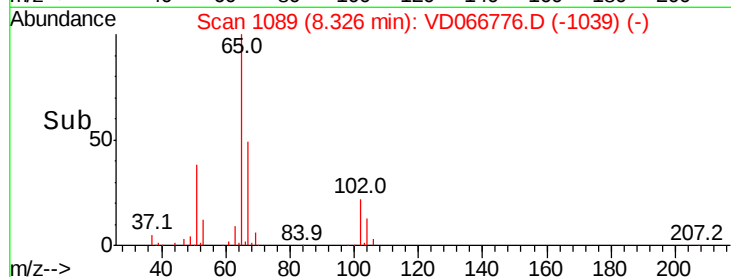
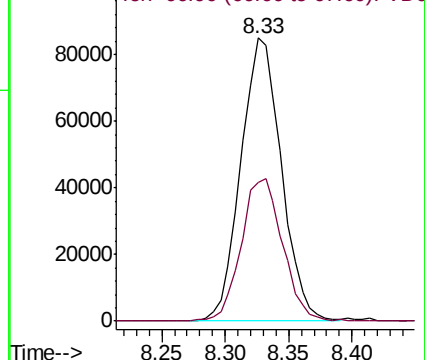
65 100

67 51.6 0.0 102.2



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: VD066776.D

Acq: 18 Sep 2020 19:49

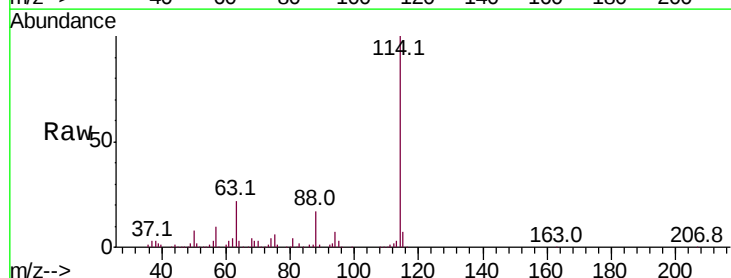
Tgt Ion:114 Resp: 457294

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.6

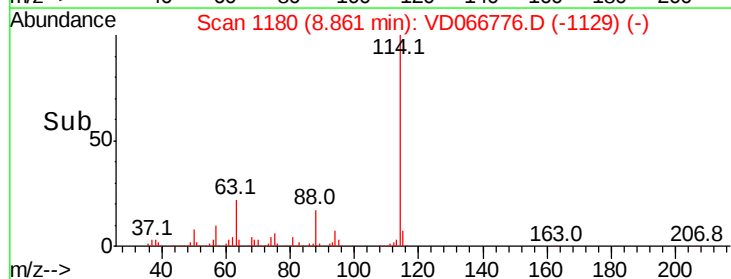
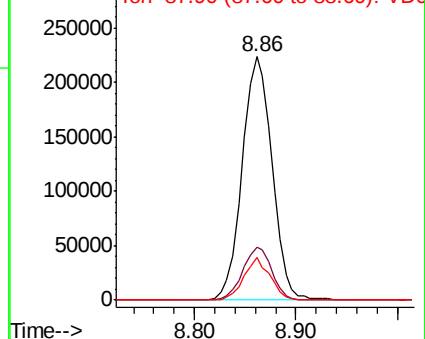
88 17.4 0.0 32.2

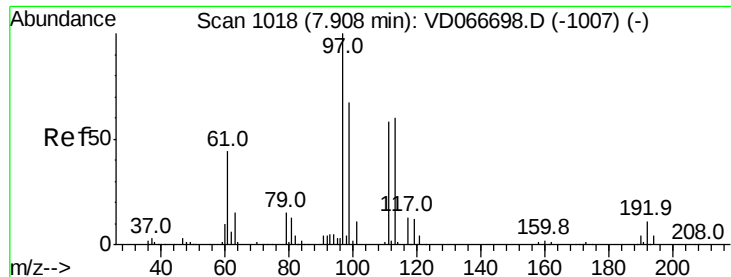


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

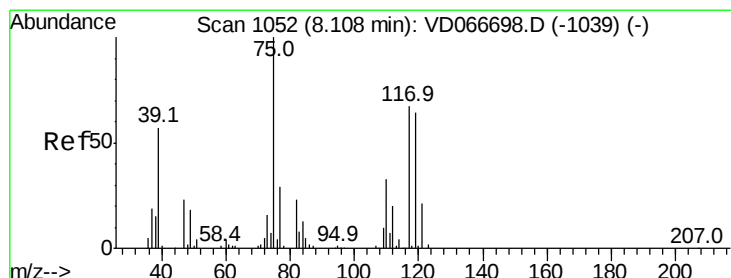
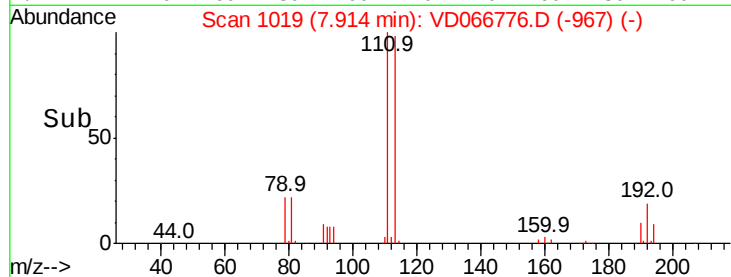
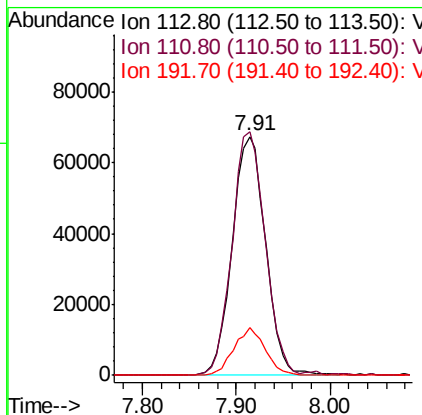
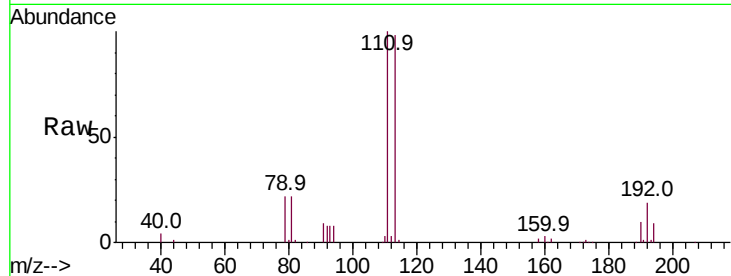




#35
 Dibromofluoromethane
 Concen: 59.456 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066776.D
 Acq: 18 Sep 2020 19:49

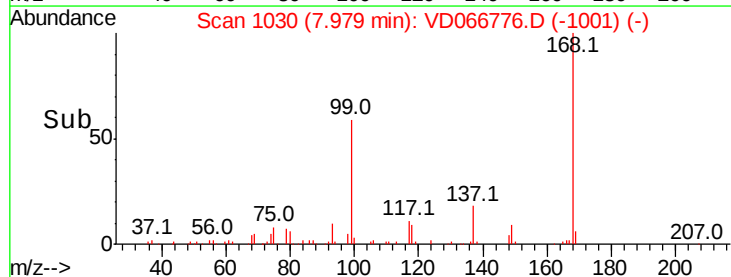
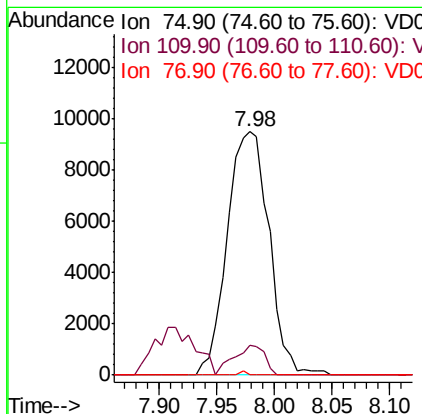
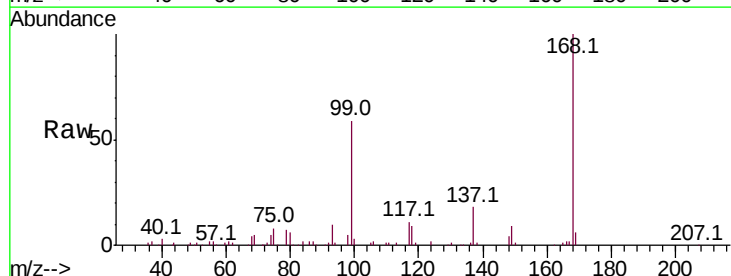
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-091720

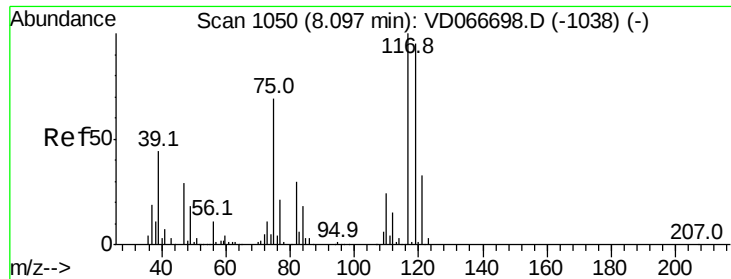
Tot Ion:113 Resp: 166693
 Ion Ratio Lower Upper
 113 100
 111 100.8 83.2 124.8
 192 18.5 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 5.057 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066776.D
 Acq: 18 Sep 2020 19:49

Tgt Ion: 75 Resp: 23778
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.1 51.2#
 77 0.2 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

SU-02-091720

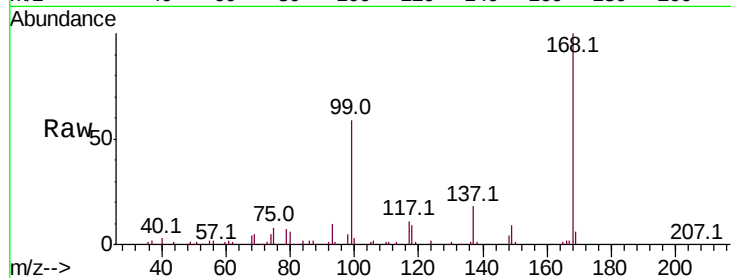
Tot Ion:117 Resp: 30237

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

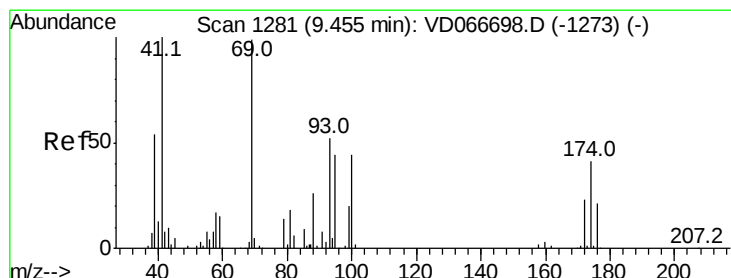
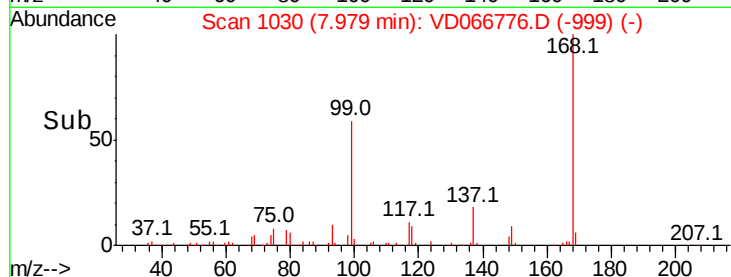
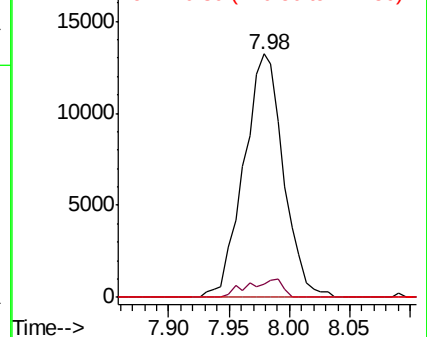
121 0.0 26.2 39.4#



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



#49

1,4-Dioxane

Concen: 2.971 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.02 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

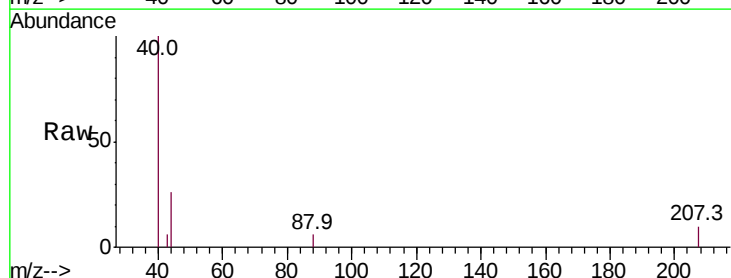
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 287.3 29.3 43.9#

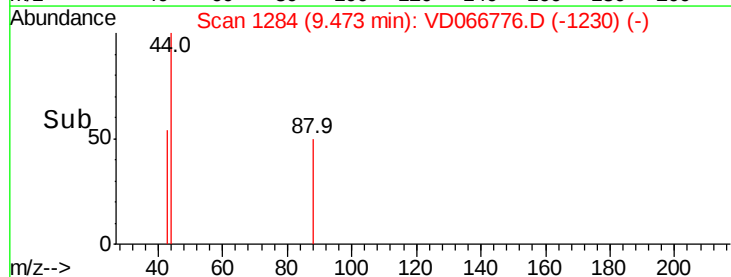
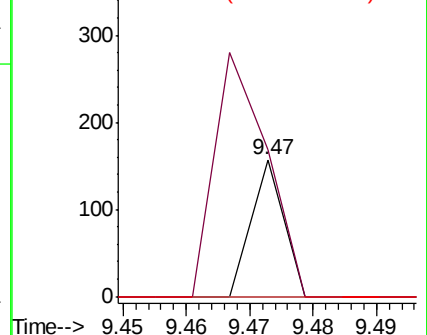
58 0.0 51.4 77.2#

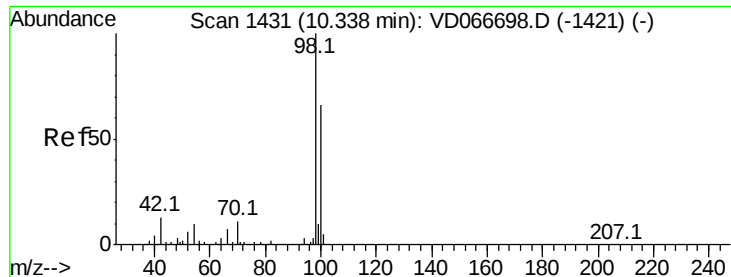


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 57.441 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

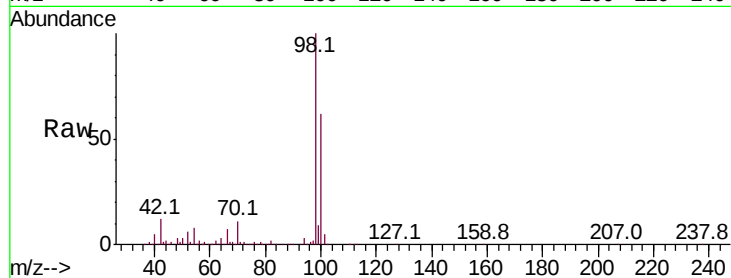
SU-02-091720

Tot Ion: 98 Resp: 573761

Ion Ratio Lower Upper

98 100

100 64.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

300000

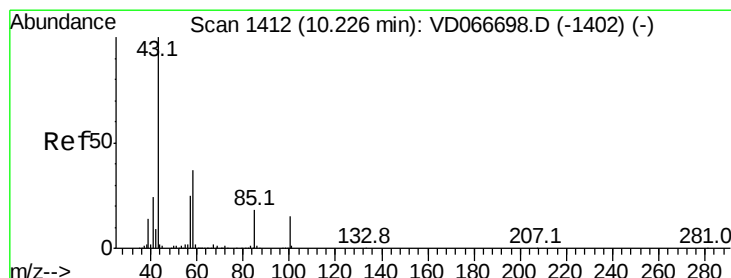
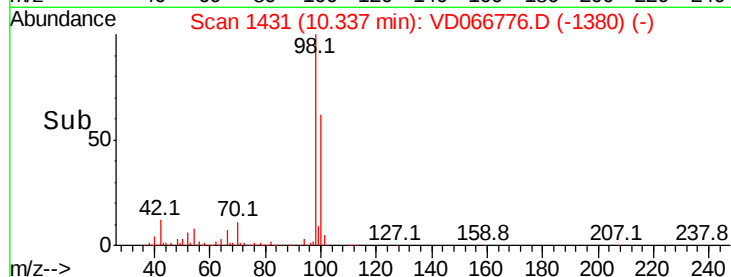
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.776 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.12 min

Lab File: VD066776.D

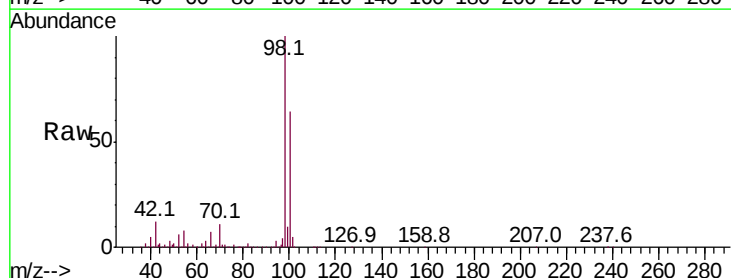
Acq: 18 Sep 2020 19:49

Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

43 100

58 174.6 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

3000

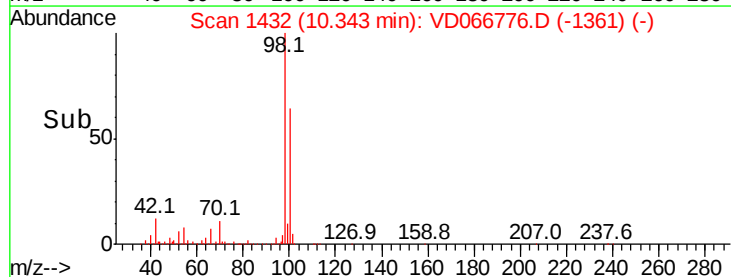
2000

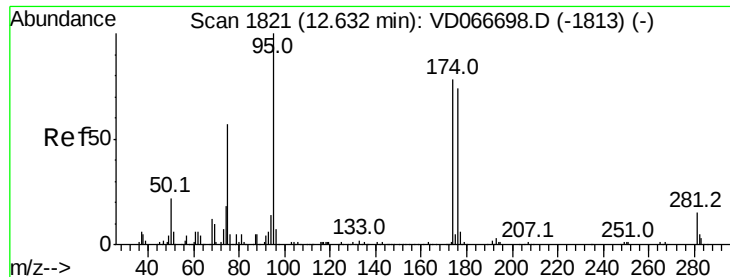
1000

0

Time-->

10.30 10.35

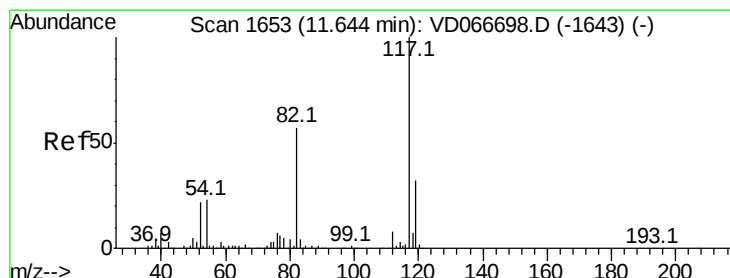
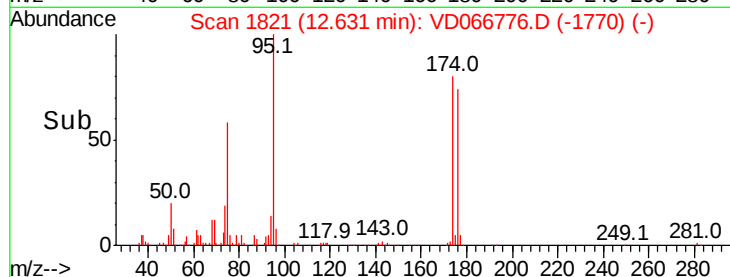
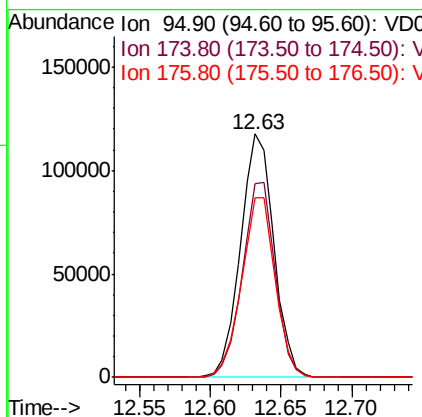
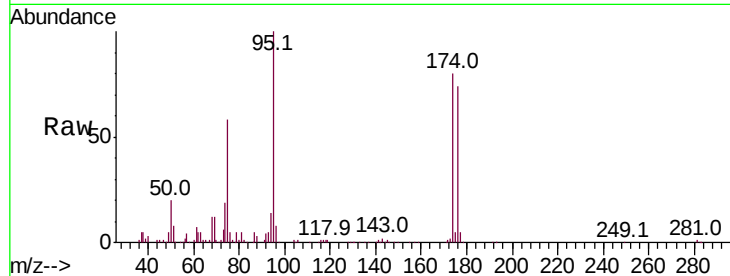




#62
4-Bromofluorobenzene
Concen: 56.406 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066776.D
Acq: 18 Sep 2020 19:49

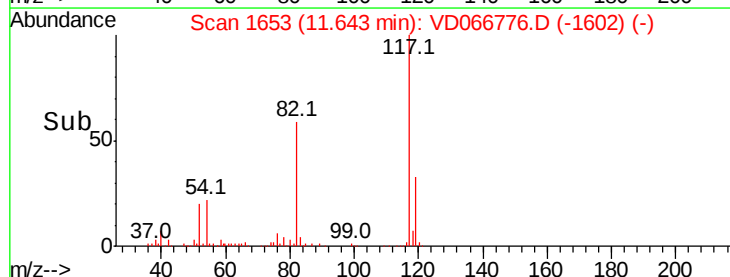
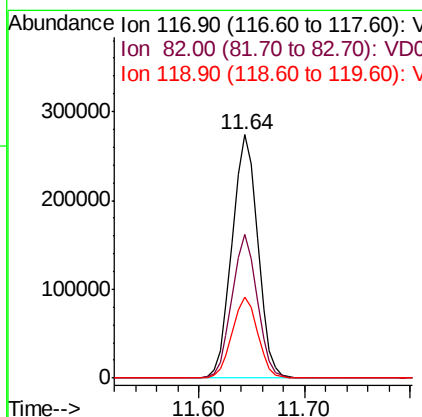
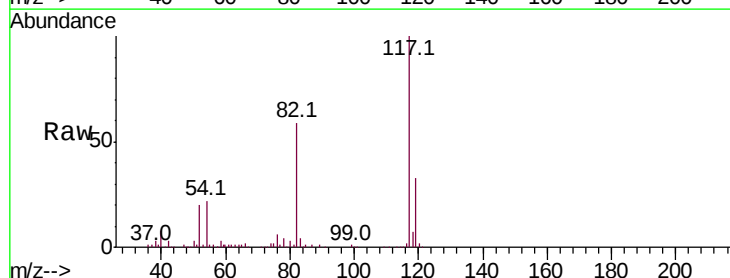
Instrument :
MSVOA_D
ClientSampleId :
SU-02-091720

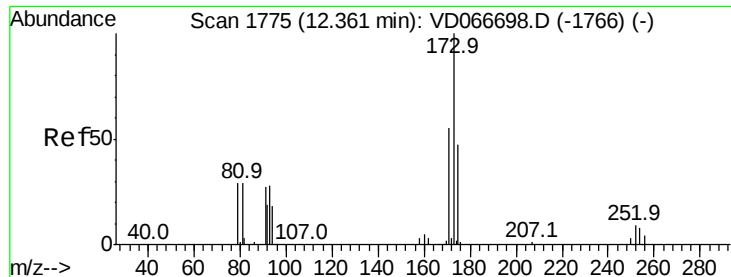
Tot Ion: 95 Resp: 194486
Ion Ratio Lower Upper
95 100
174 78.8 0.0 156.6
176 74.9 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066776.D
Acq: 18 Sep 2020 19:49

Tgt Ion: 117 Resp: 460633
Ion Ratio Lower Upper
117 100
82 58.9 45.4 68.0
119 33.3 25.8 38.6





#71

Bromoform

Concen: 1.040 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

SU-02-091720

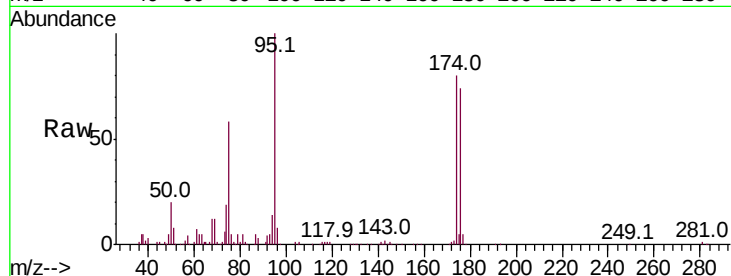
Tot Ion:173 Resp: 1836

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

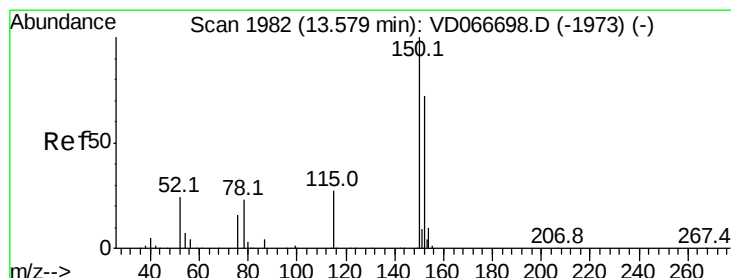
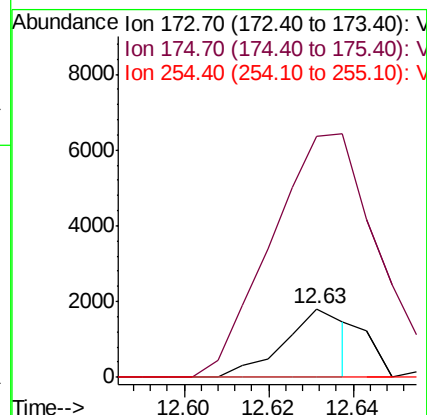
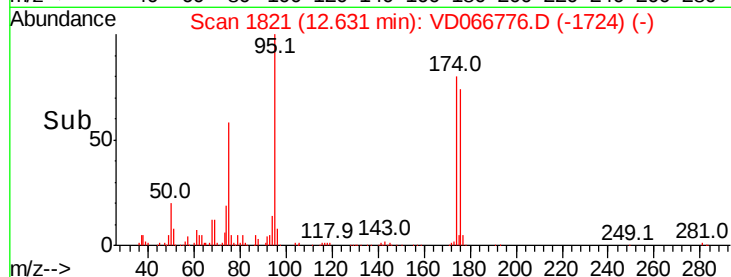
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD066776.D

Acq: 18 Sep 2020 19:49

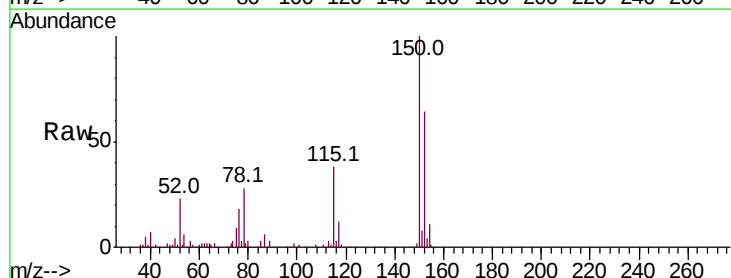
Tgt Ion:152 Resp: 202346

Ion Ratio Lower Upper

152 100

115 62.6 30.5 91.5

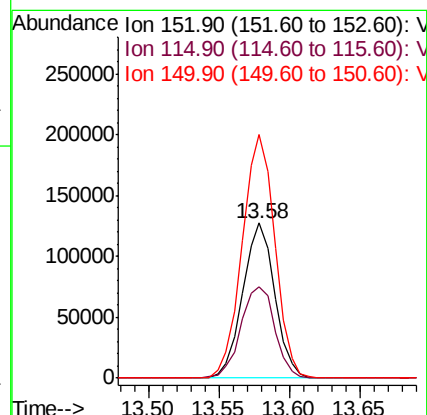
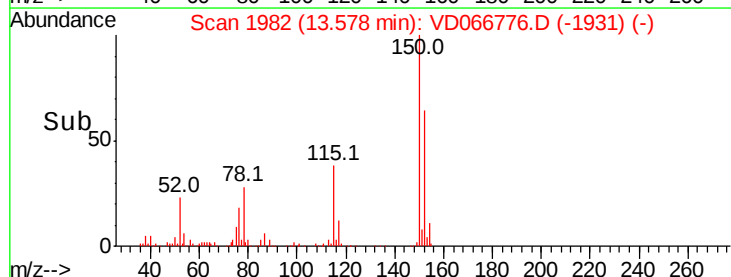
150 160.2 0.0 344.6

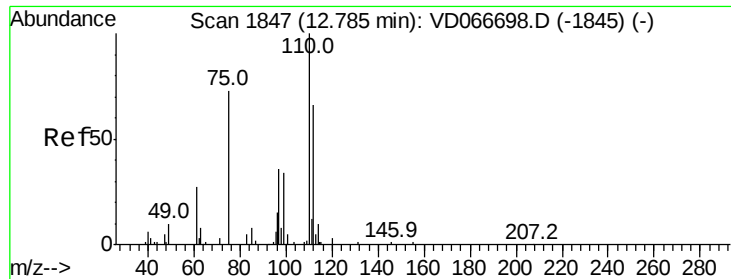


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.696 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

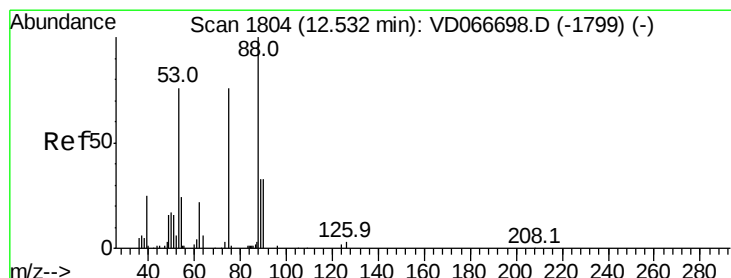
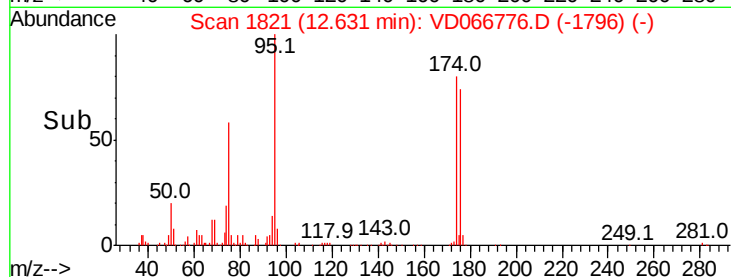
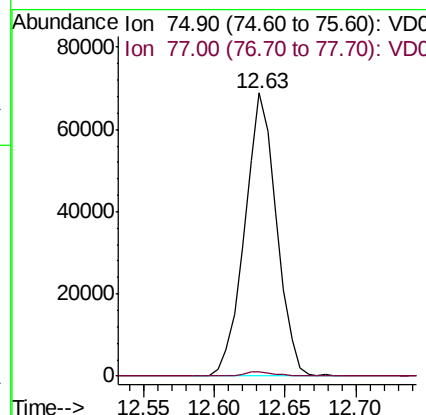
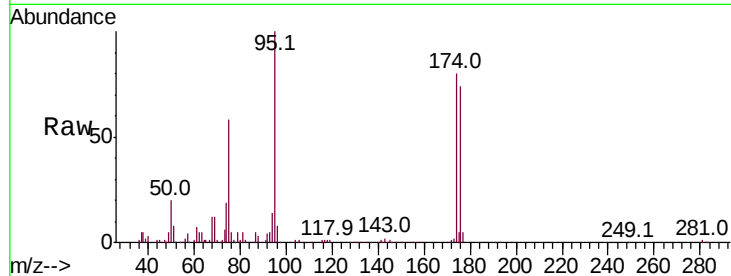
SU-02-091720

Tot Ion: 75 Resp: 108590

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.309 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066776.D

Acq: 18 Sep 2020 19:49

Tgt Ion: 75 Resp: 108590

Ion Ratio Lower Upper

75 100

53 0.0 82.2 123.4#

89 0.0 39.6 59.4#

