

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066761.D
 Acq On : 18 Sep 2020 12:56
 Operator : VA/SY
 Sample : L3870-06
 Misc : 5.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-091720

Quant Time: Sep 19 03:14:12 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	76712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	128793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	145006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	62296	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	74071	90.50	ug/l	0.00
Spiked Amount			Recovery	=	181.00%	
35) Dibromofluoromethane	7.91	113	58246	73.76	ug/l	0.00
Spiked Amount			Recovery	=	147.52%	
50) Toluene-d8	10.34	98	158887	56.48	ug/l	0.00
Spiked Amount			Recovery	=	112.96%	
62) 4-Bromofluorobenzene	12.63	95	57217	58.92	ug/l	0.00
Spiked Amount			Recovery	=	117.84%	

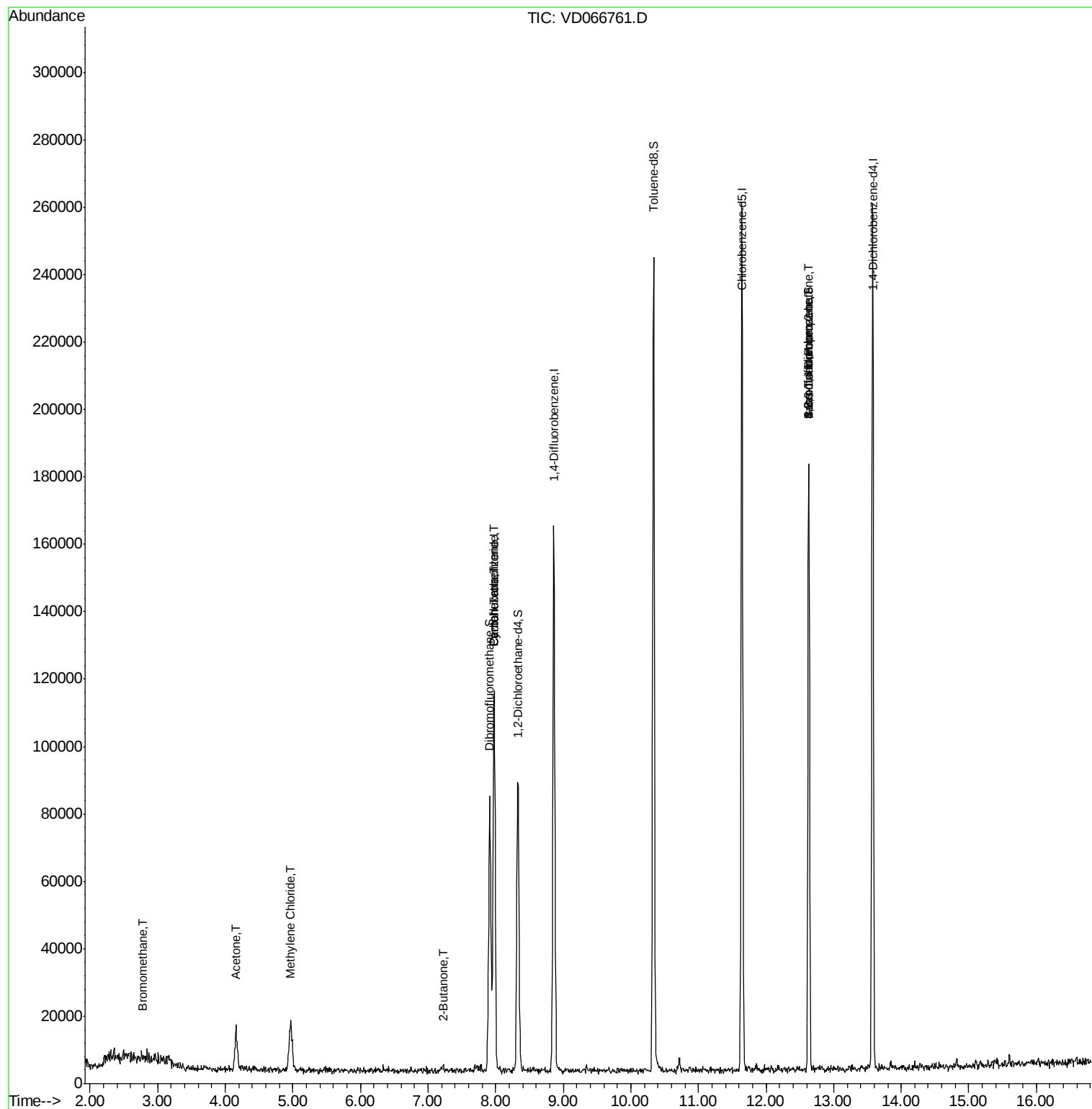
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	932	1.504	ug/l	83
16) Acetone	4.16	43	20321	121.922	ug/l #	79
18) Methyl Acetate	4.66	43	94	Below Cal	#	52
20) Methylene Chloride	4.96	84	11375	6.255	ug/l #	79
25) 2-Butanone	7.21	43	343	1.580	ug/l #	49
31) Cyclohexane	7.98	56	2268	1.569	ug/l #	54
38) Carbon Tetrachloride	7.98	117	8246	5.864	ug/l #	18
71) Bromoform	12.63	173	704	1.266	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	31670	59.393	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	31670	128.180	ug/l #	8

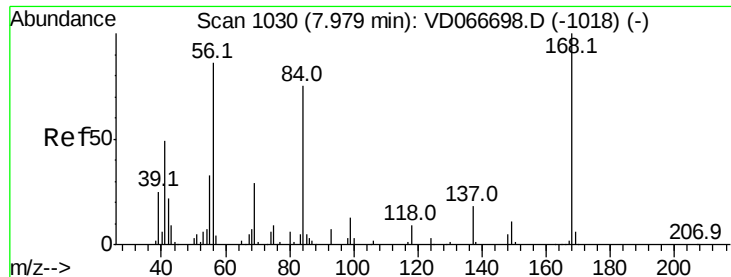
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

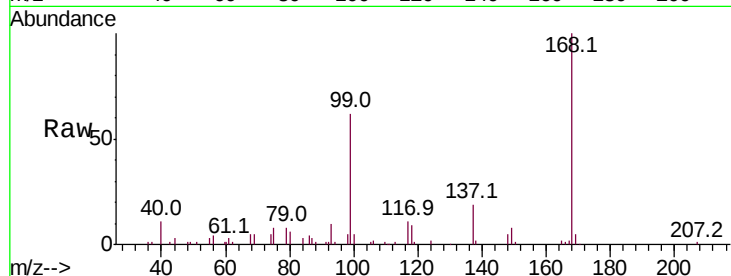
SU-02-091720

Tot Ion:168 Resp: 76712

Ion Ratio Lower Upper

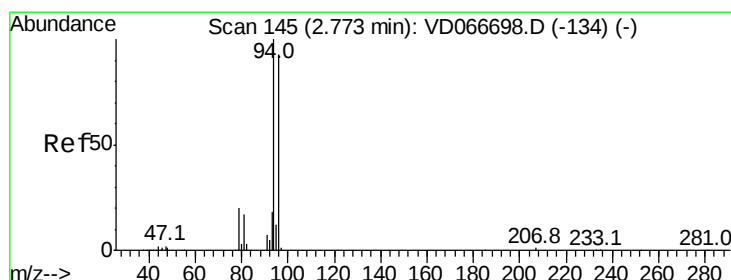
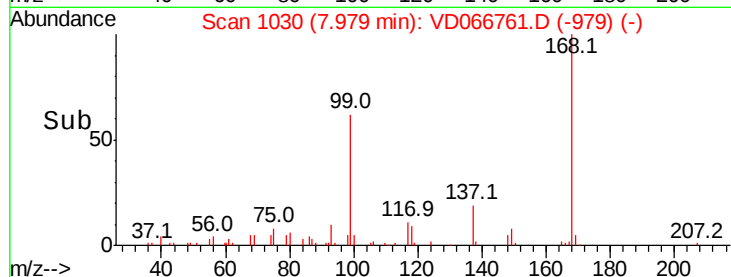
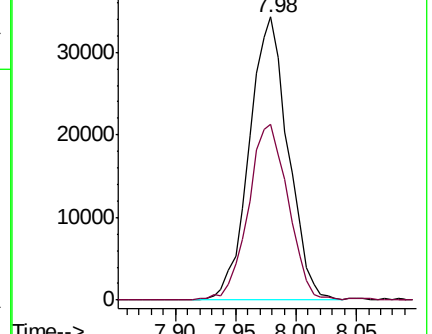
168 100

99 62.3 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.504 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD066761.D

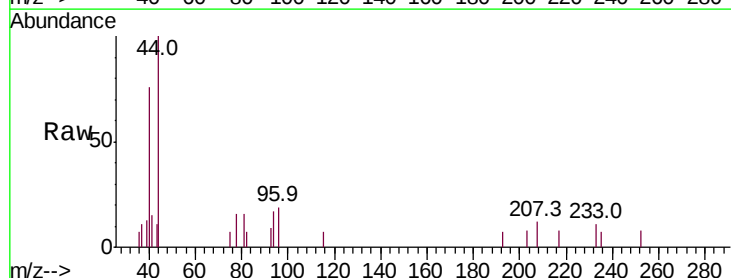
Acq: 18 Sep 2020 12:56

Tgt Ion: 94 Resp: 932

Ion Ratio Lower Upper

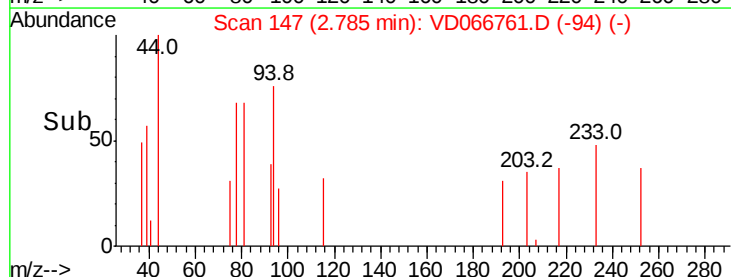
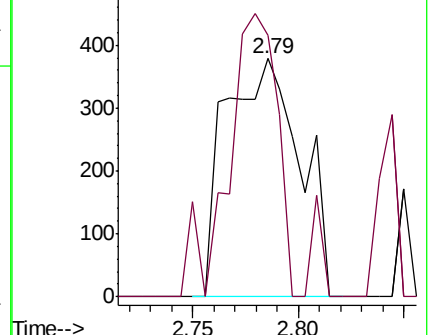
94 100

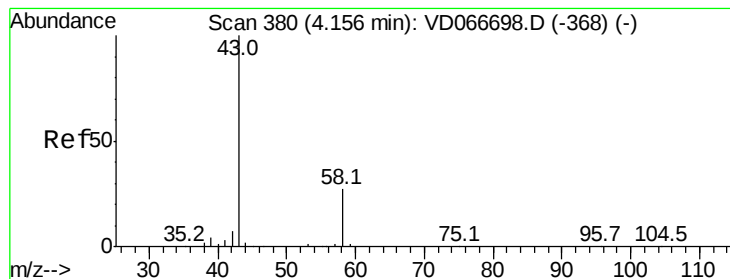
96 109.8 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 121.922 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

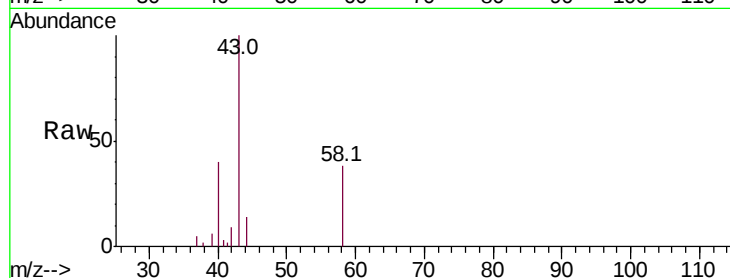
SU-02-091720

Tot Ion: 43 Resp: 20321

Ion Ratio Lower Upper

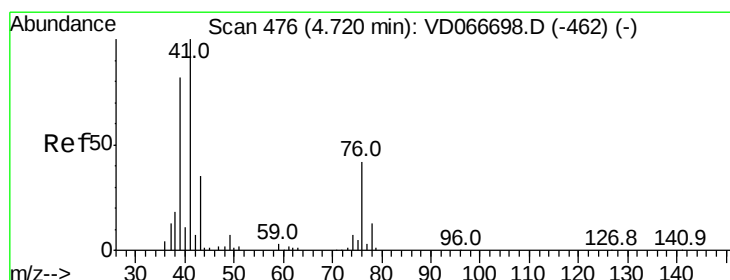
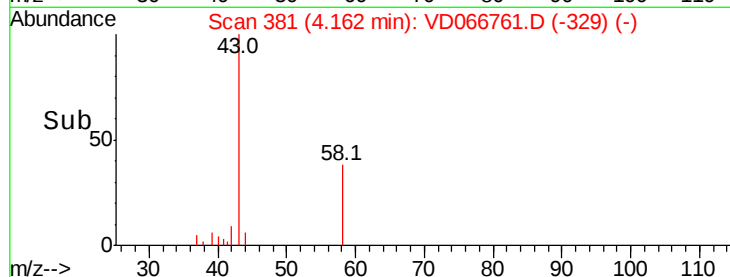
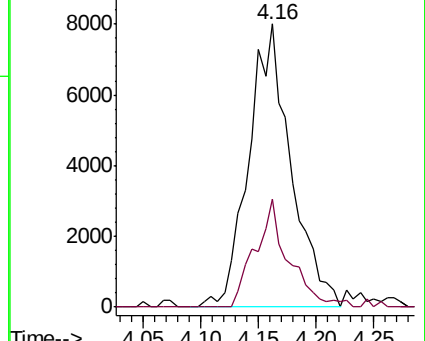
43 100

58 38.1 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.66 min Scan# 465

Delta R.T. -0.06 min

Lab File: VD066761.D

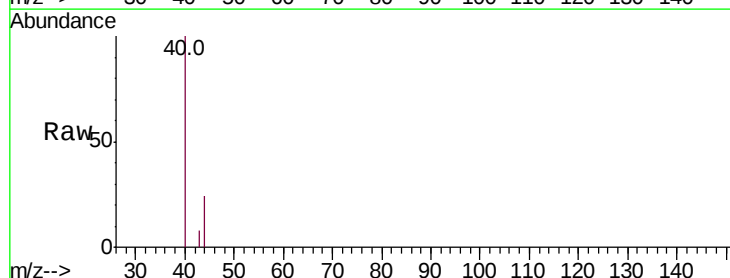
Acq: 18 Sep 2020 12:56

Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

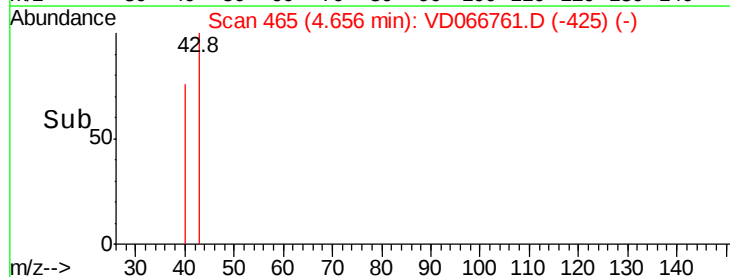
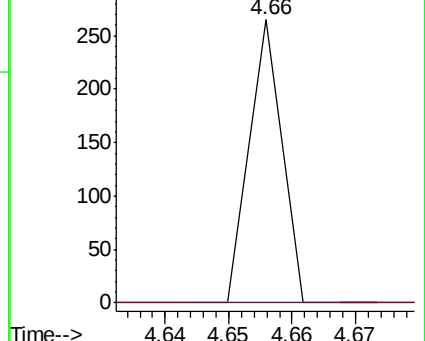
43 100

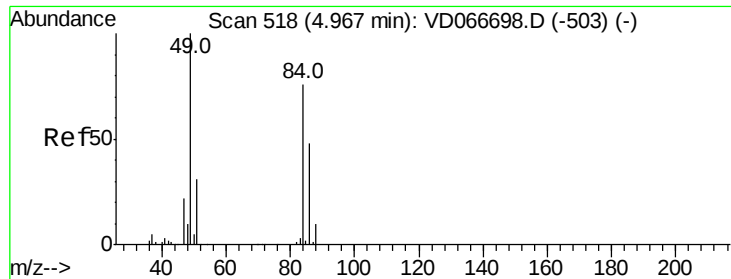
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 6.255 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-091720

Tot Ion: 84 Resp: 11375

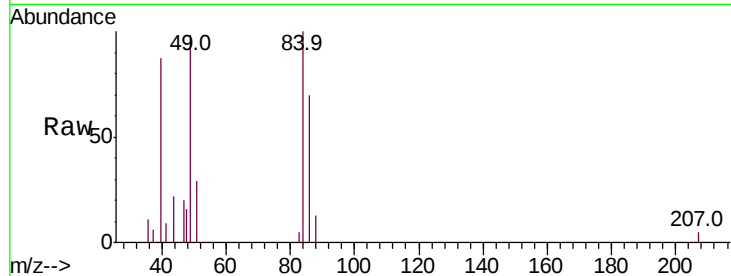
Ion Ratio Lower Upper

84 100

49 98.1 105.0 157.6#

51 28.8 32.2 48.4#

86 69.9 50.4 75.6

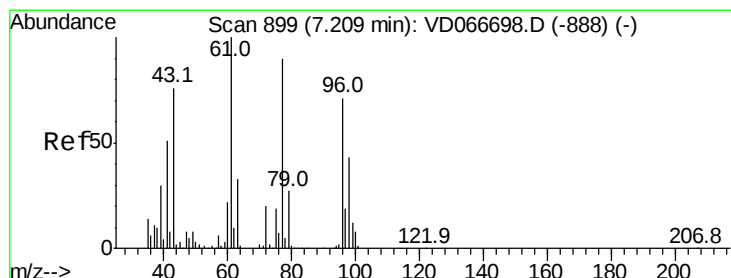
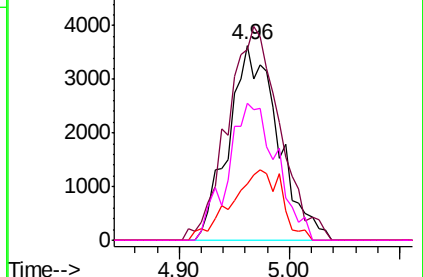
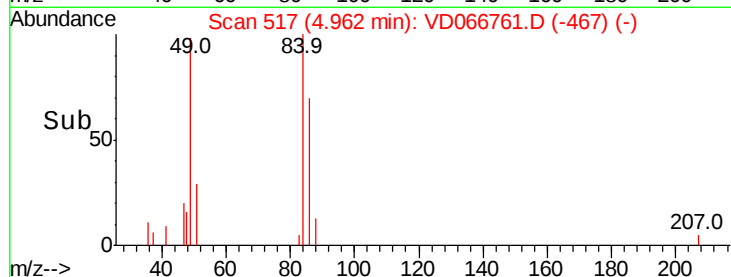


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.580 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066761.D

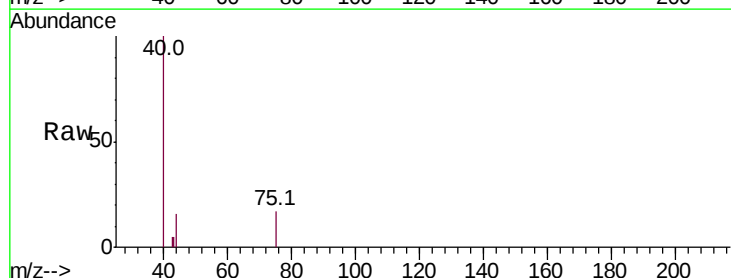
Acq: 18 Sep 2020 12:56

Tgt Ion: 43 Resp: 343

Ion Ratio Lower Upper

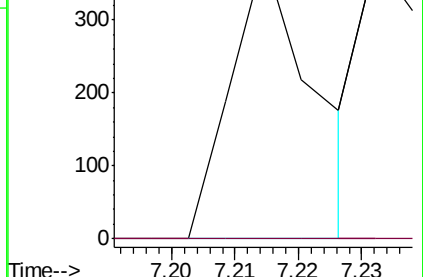
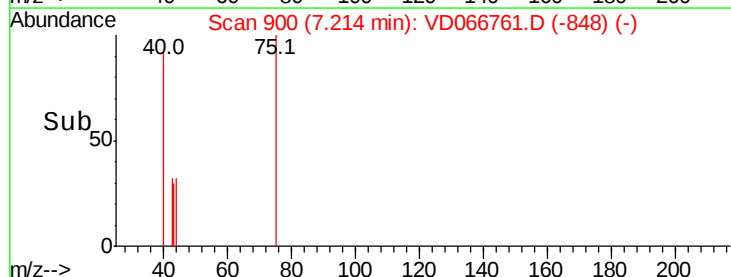
43 100

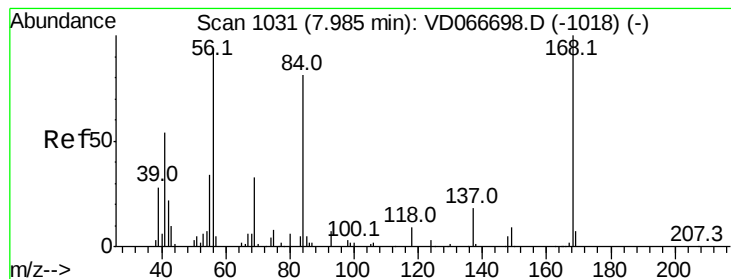
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.569 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-091720

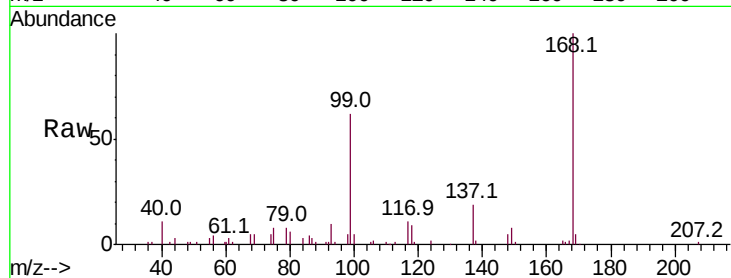
Tot Ion: 56 Resp: 2268

Ion Ratio Lower Upper

56 100

69 123.9 27.7 41.5#

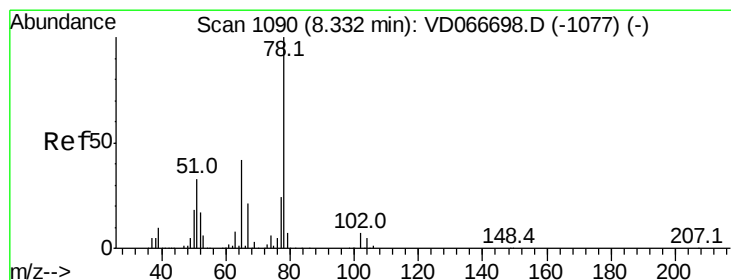
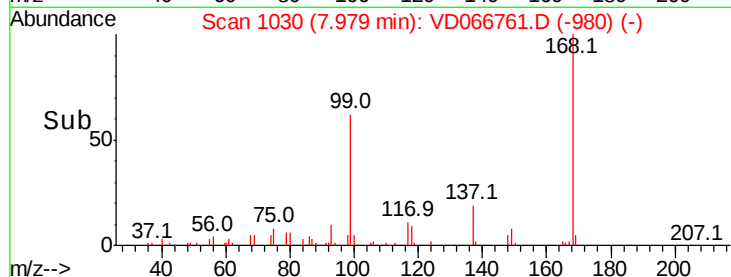
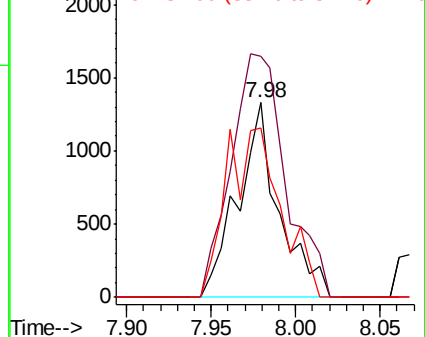
84 87.1 68.5 102.7



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: 90.499 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066761.D

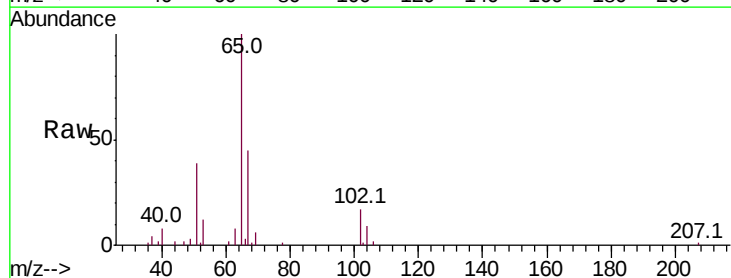
Acq: 18 Sep 2020 12:56

Tgt Ion: 65 Resp: 74071

Ion Ratio Lower Upper

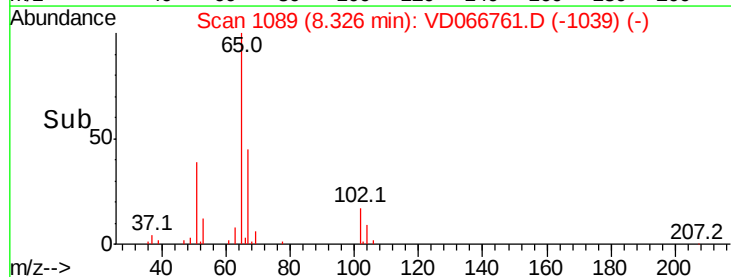
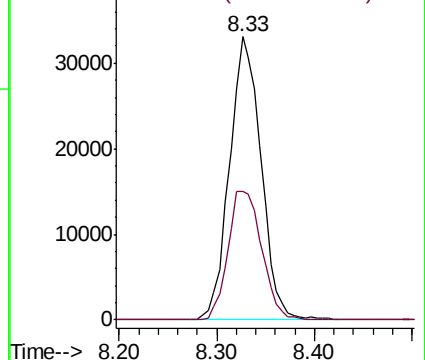
65 100

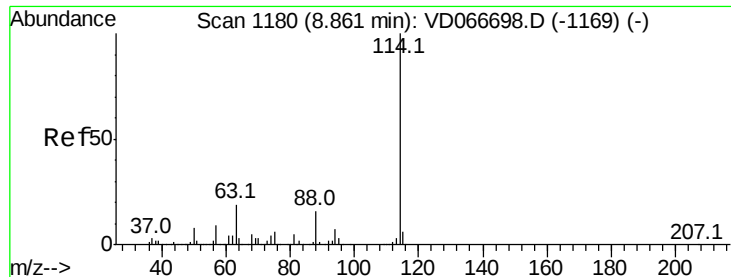
67 48.9 0.0 102.2



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: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-091720

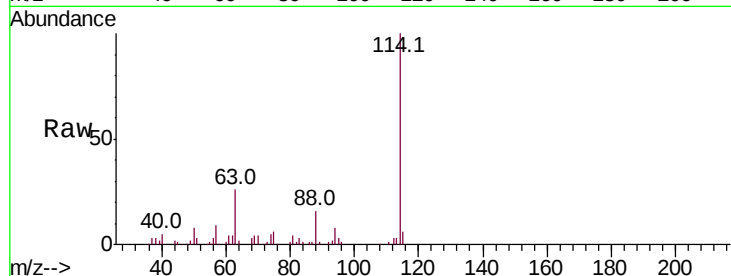
Tot Ion:114 Resp: 128793

Ion Ratio Lower Upper

114 100

63 25.8 0.0 37.6

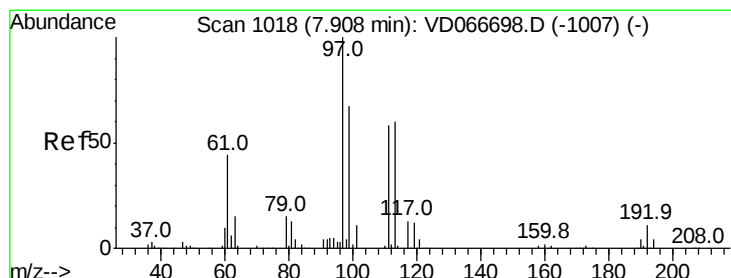
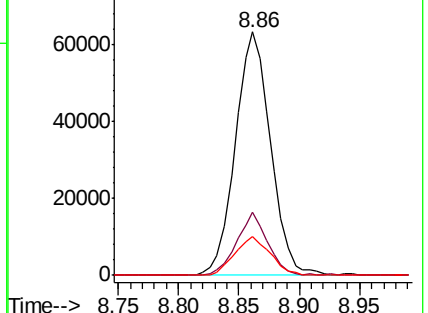
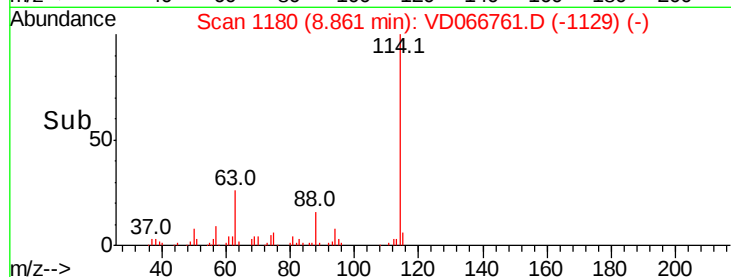
88 16.1 0.0 32.2



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: 73.764 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

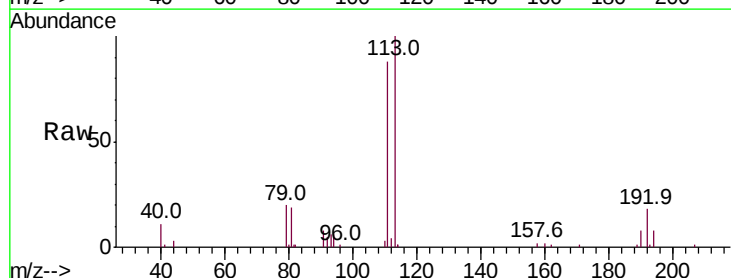
Tgt Ion:113 Resp: 58246

Ion Ratio Lower Upper

113 100

111 99.1 83.2 124.8

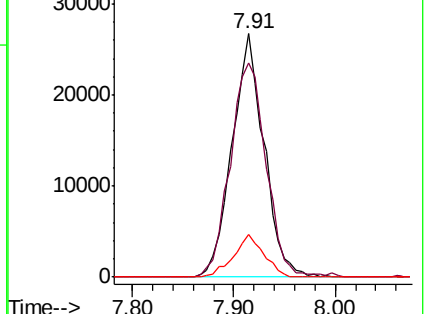
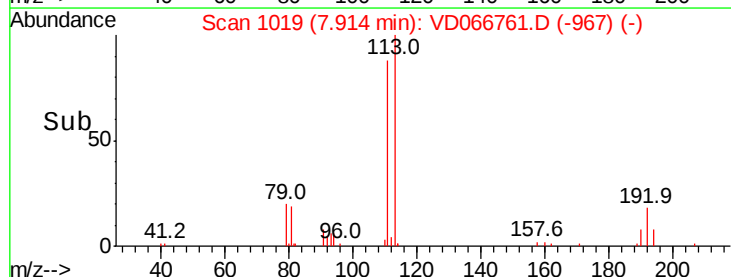
192 16.6 14.8 22.2

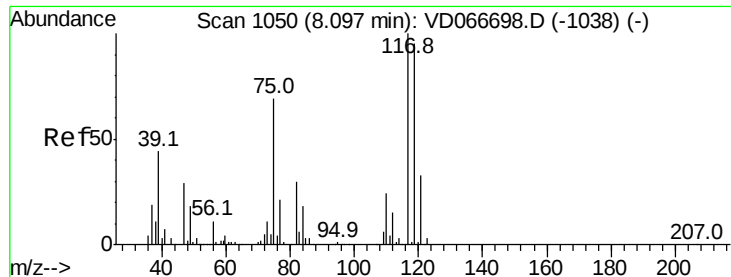


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.864 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-091720

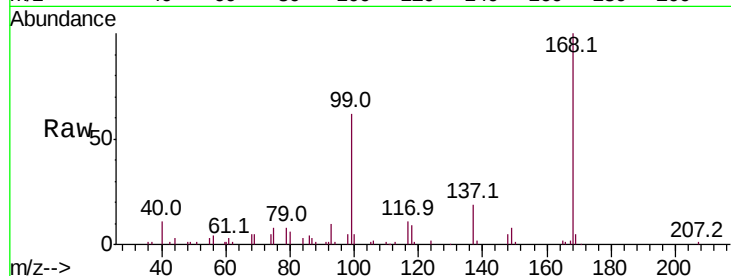
Tot Ion:117 Resp: 8246

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.6#

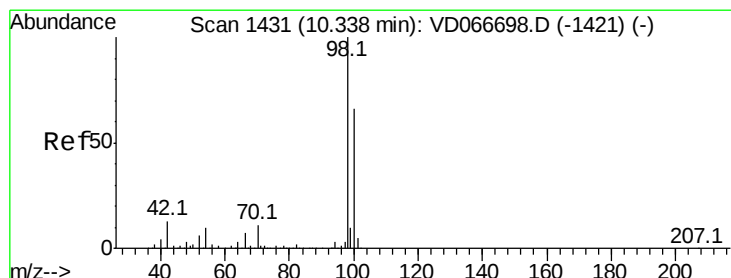
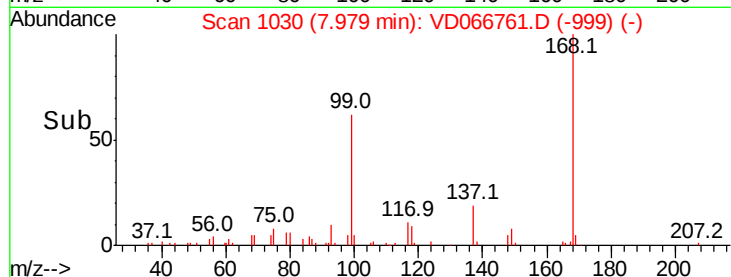
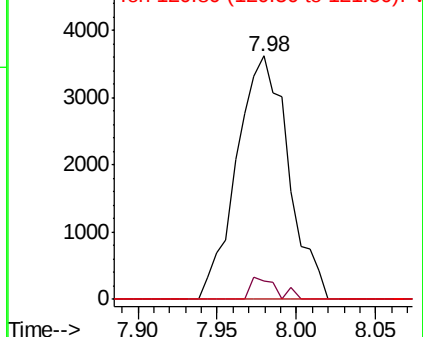
121 0.0 26.2 39.4#



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



#50

Toluene-d8

Concen: 56.478 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066761.D

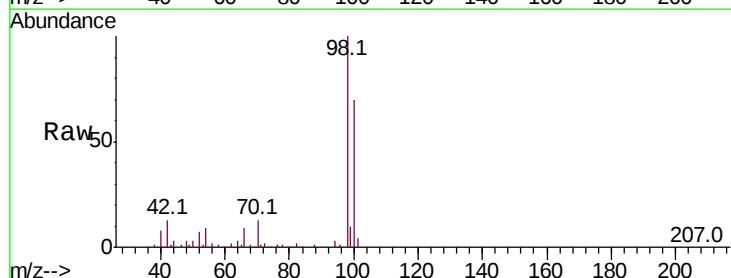
Acq: 18 Sep 2020 12:56

Tgt Ion: 98 Resp: 158887

Ion Ratio Lower Upper

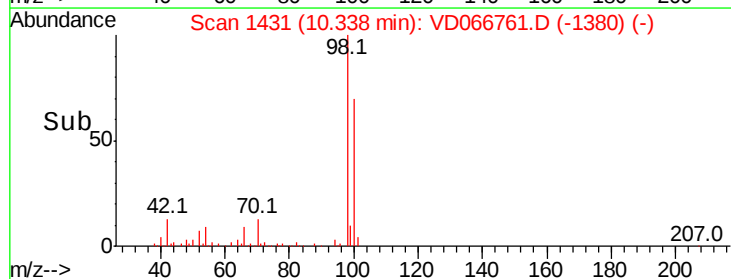
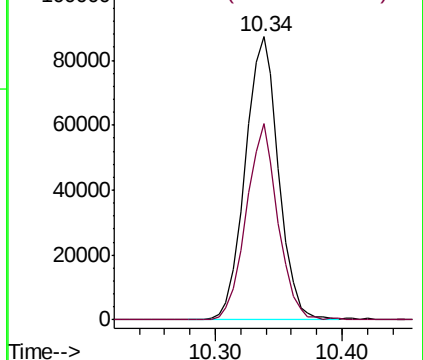
98 100

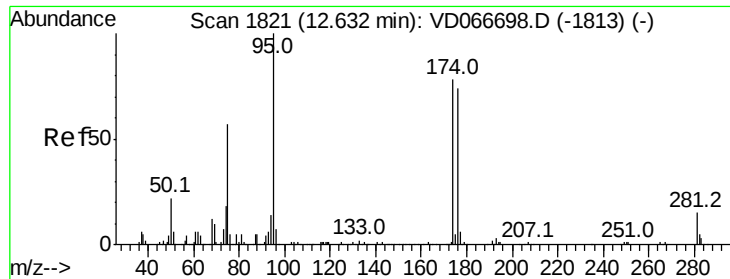
100 66.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

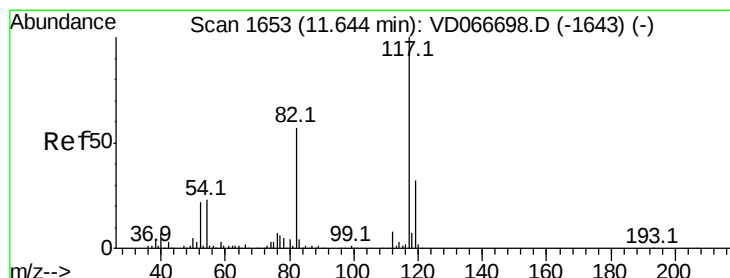
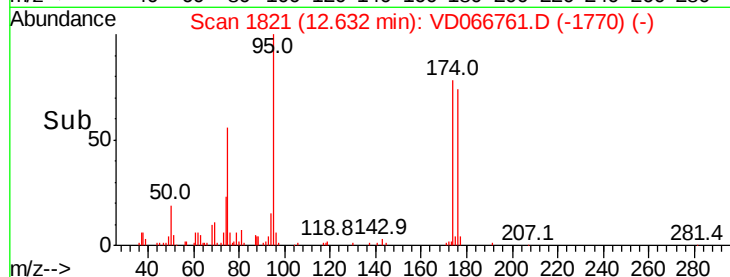
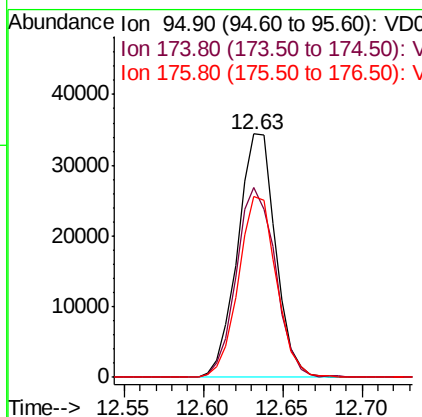
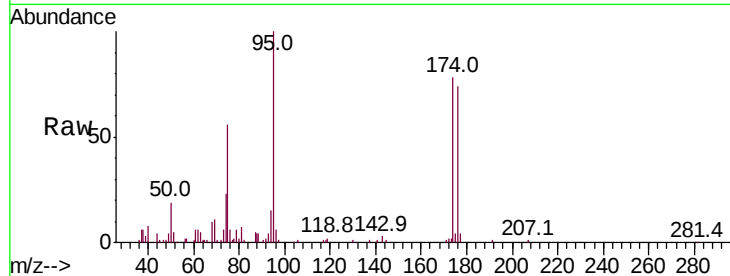




#62
4-Bromofluorobenzene
Concen: 58.920 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

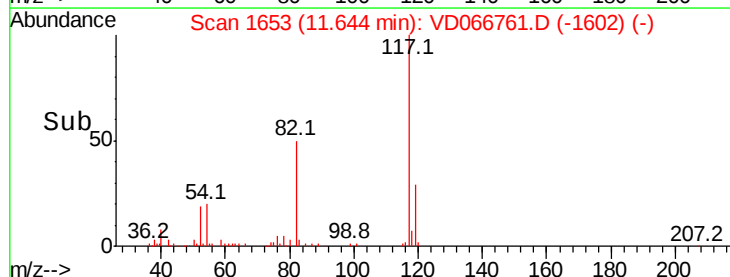
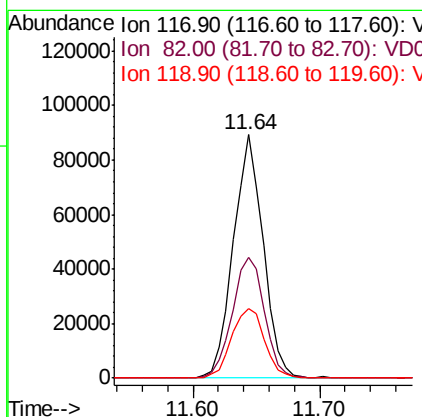
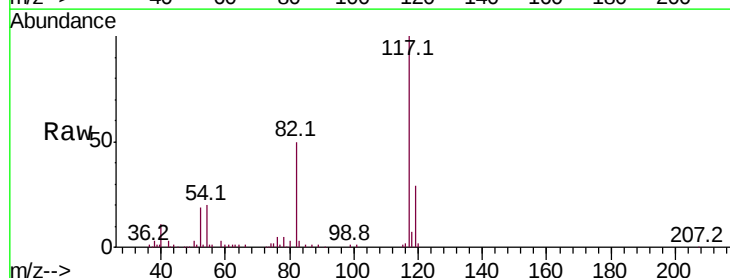
Instrument :
MSVOA_D
ClientSampleId :
SU-02-091720

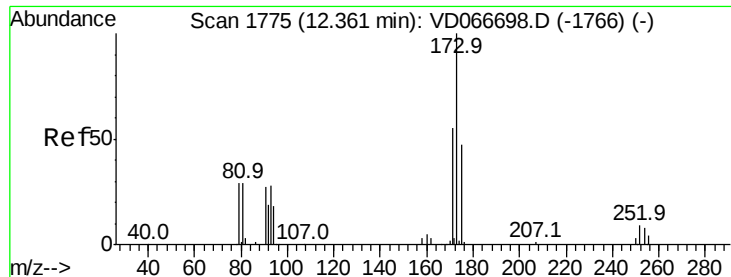
Tot Ion: 95 Resp: 57217
Ion Ratio Lower Upper
95 100
174 80.1 0.0 156.6
176 74.4 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion: 117 Resp: 145006
Ion Ratio Lower Upper
117 100
82 49.5 45.4 68.0
119 28.7 25.8 38.6





#71

Bromoform

Concen: 1.266 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. 0.26 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-091720

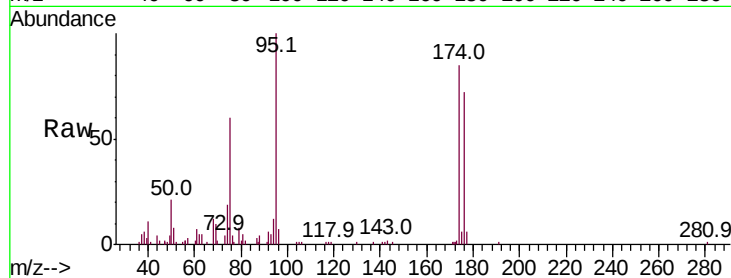
Tot Ion:173 Resp: 704

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

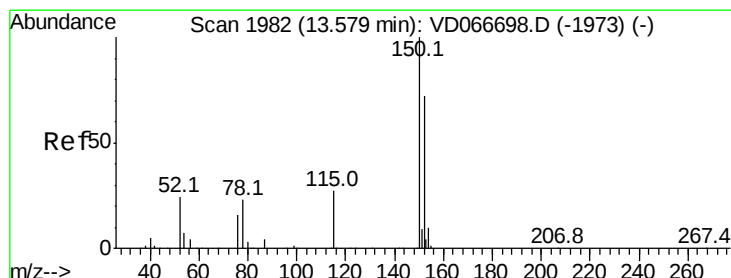
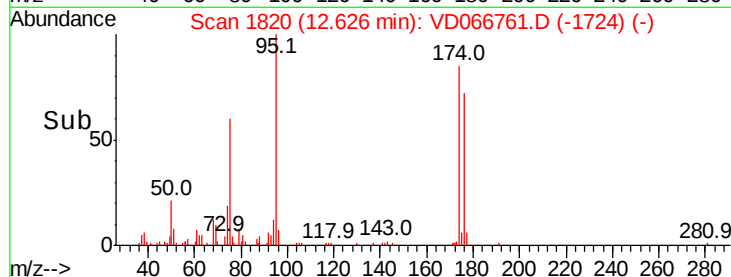
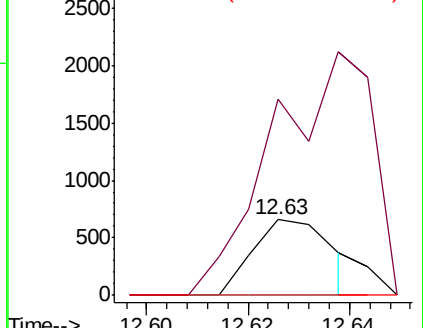
254 0.0 0.1 0.1#



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: VD066761.D

Acq: 18 Sep 2020 12:56

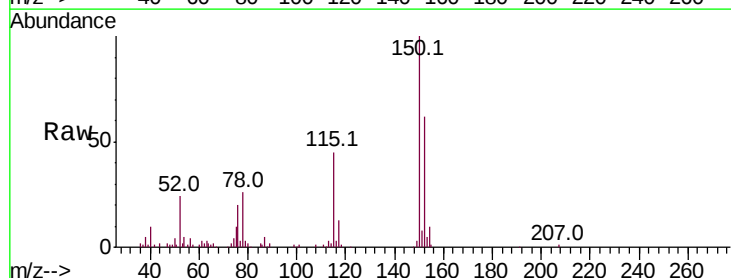
Tgt Ion:152 Resp: 62296

Ion Ratio Lower Upper

152 100

115 63.3 30.5 91.5

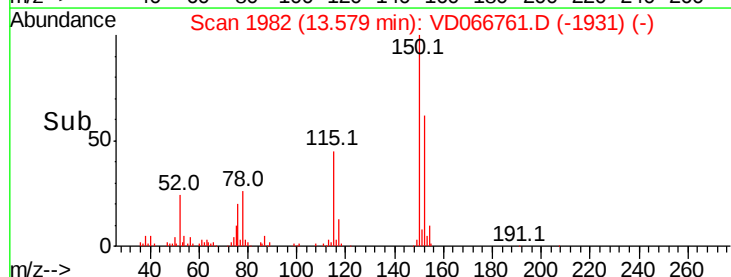
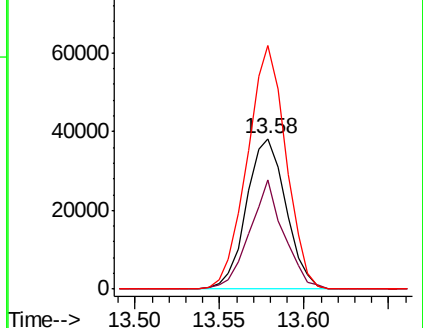
150 158.7 0.0 344.6

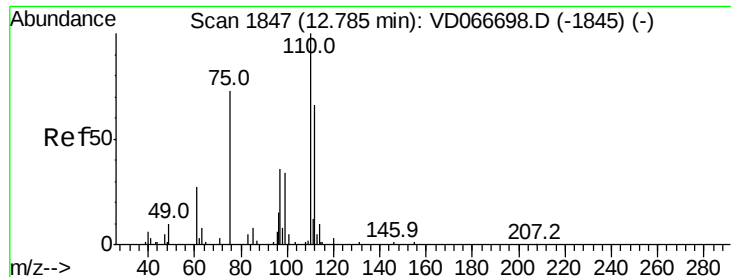


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 59.393 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

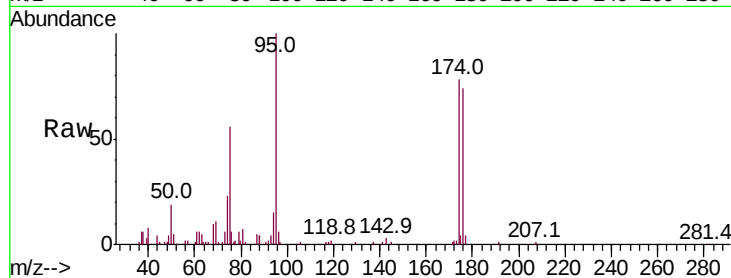
SU-02-091720

Tot Ion: 75 Resp: 31670

Ion Ratio Lower Upper

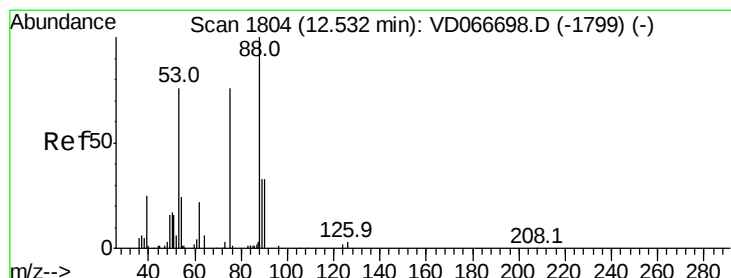
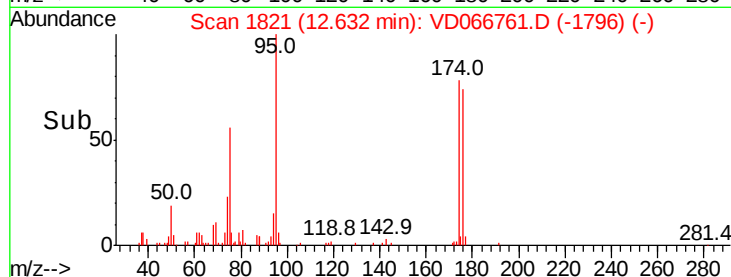
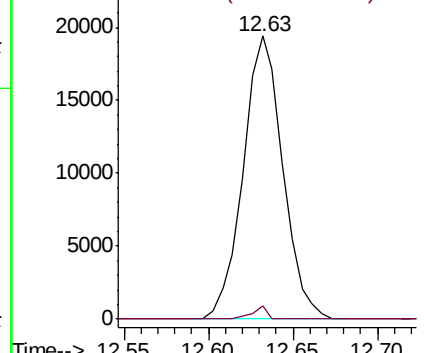
75 100

77 1.6 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: 128.180 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066761.D

Acq: 18 Sep 2020 12:56

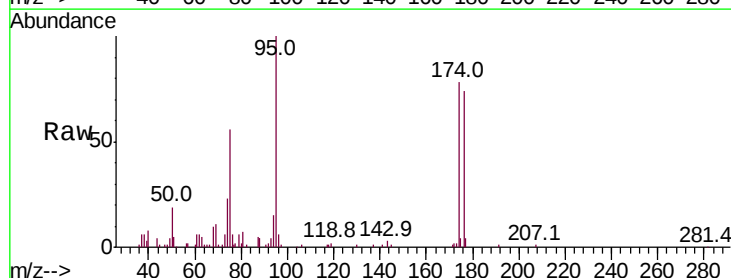
Tgt Ion: 75 Resp: 31670

Ion Ratio Lower Upper

75 100

53 0.2 82.2 123.4#

89 0.0 39.6 59.4#



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

