

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066764.D
 Acq On : 18 Sep 2020 14:18
 Operator : VA/SY
 Sample : L3871-19
 Misc : 7.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-08-091720

Quant Time: Sep 19 03:14:47 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	380654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	702004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	672102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284516	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	228327	56.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.44%	
35) Dibromofluoromethane	7.91	113	216161	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	10.34	98	857212	55.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.80%	
62) 4-Bromofluorobenzene	12.63	95	288004	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	

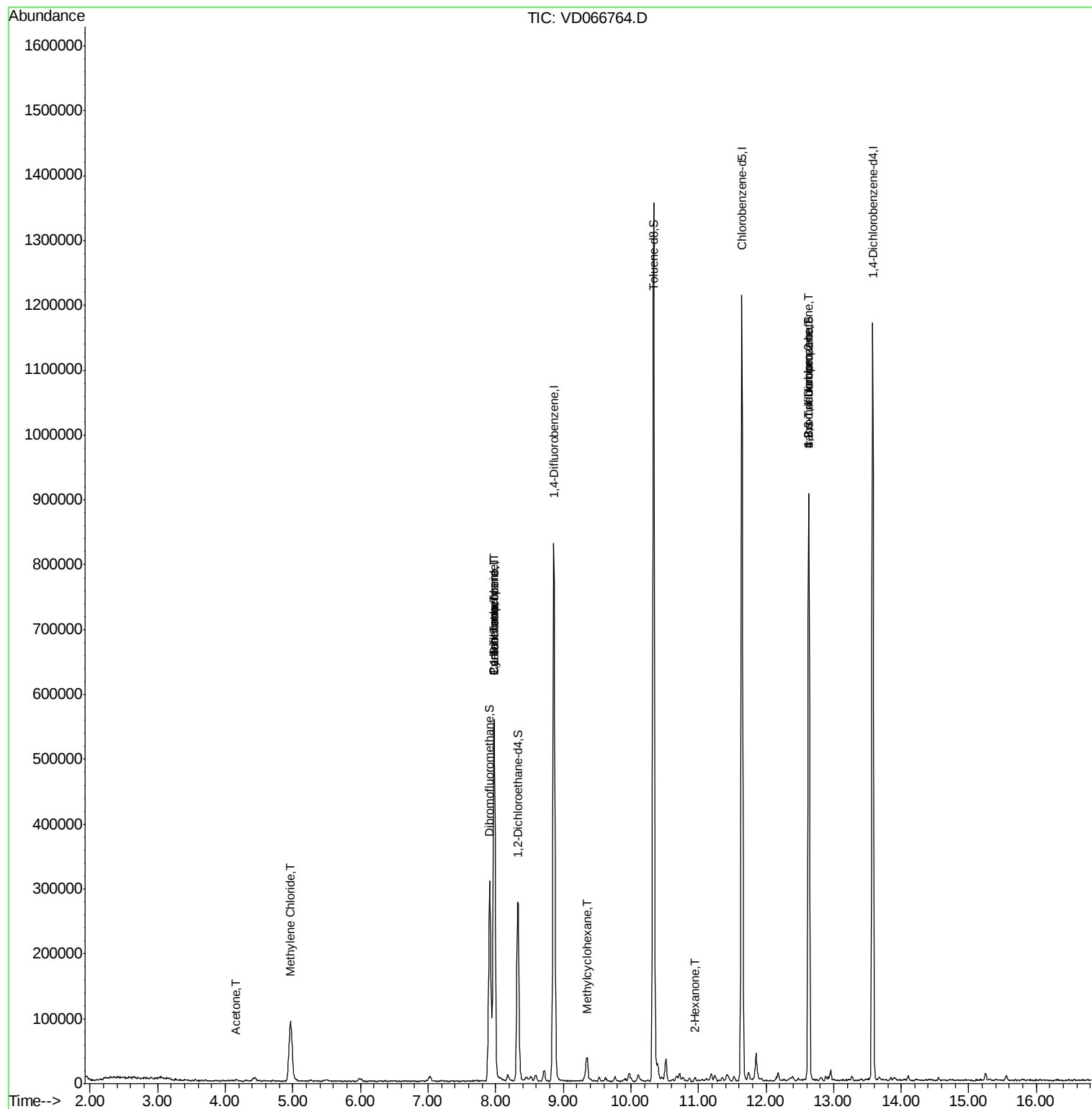
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	654	Below Cal	#	43
16) Acetone	4.17	43	3874	4.684	ug/l	99
18) Methyl Acetate	4.73	43	71	Below Cal	#	52
20) Methylene Chloride	4.96	84	73950	10.873	ug/l	91
31) Cyclohexane	7.99	56	15836	2.207	ug/l #	56
36) 1,1-Dichloropropene	7.98	75	34702	4.808	ug/l #	51
38) Carbon Tetrachloride	7.99	117	41974	5.476	ug/l #	15
39) Methylcyclohexane	9.35	83	13295	1.610	ug/l #	84
59) 2-Hexanone	10.95	43	2120	1.192	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	159199	65.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	159199	141.080	ug/l #	8

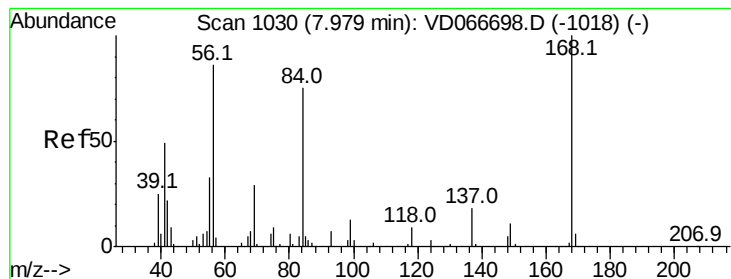
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091820\
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Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 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: VD066764.D

Acq: 18 Sep 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

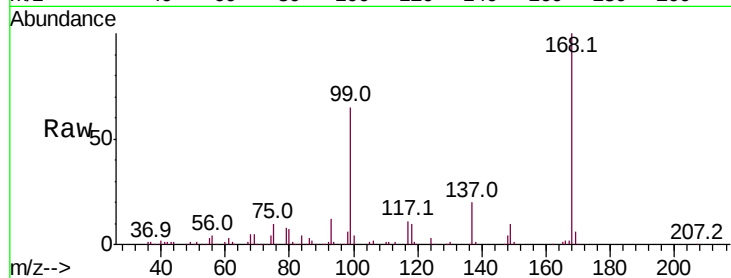
TR-08-091720

Tot Ion:168 Resp: 380654

Ion Ratio Lower Upper

168 100

99 64.7 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

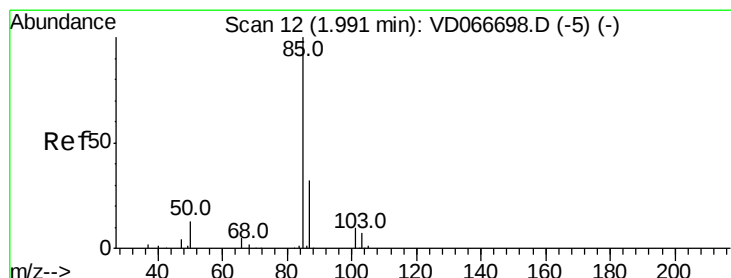
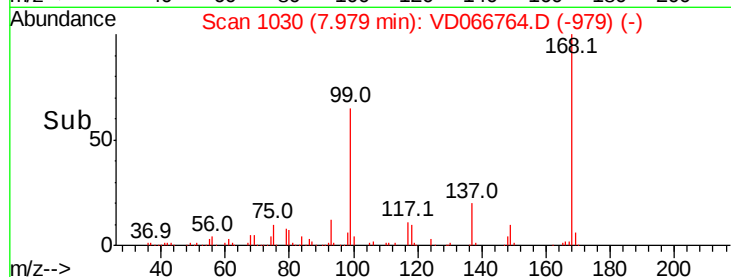
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066764.D

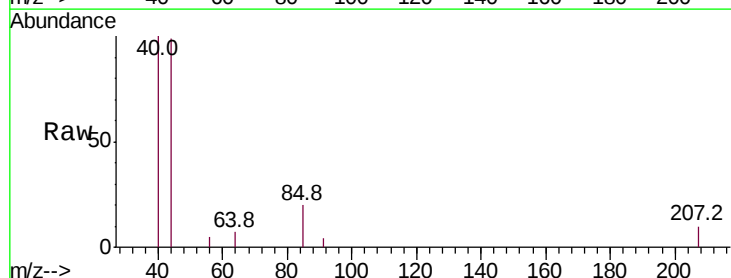
Acq: 18 Sep 2020 14:18

Tgt Ion: 85 Resp: 654

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

800

600

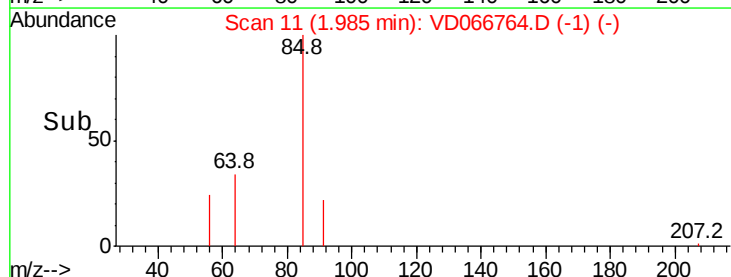
400

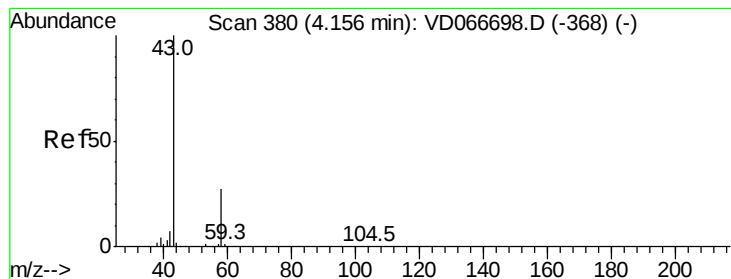
200

0

1.94 1.96 1.98 2.00 2.02

Time-->





#16

Acetone

Concen: 4.684 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066764.D

Acq: 18 Sep 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

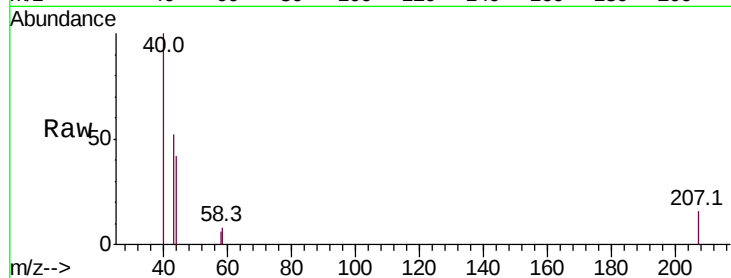
TR-08-091720

Tot Ion: 43 Resp: 3874

Ion Ratio Lower Upper

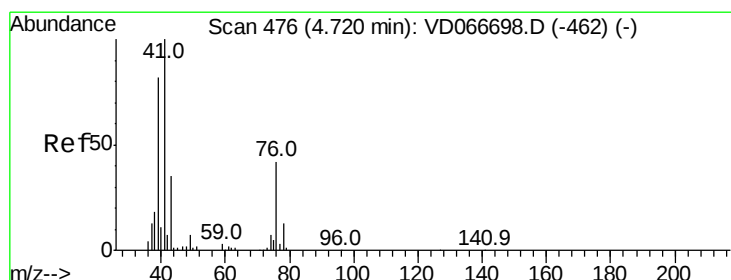
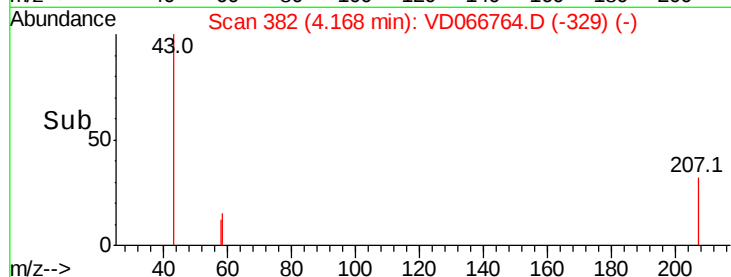
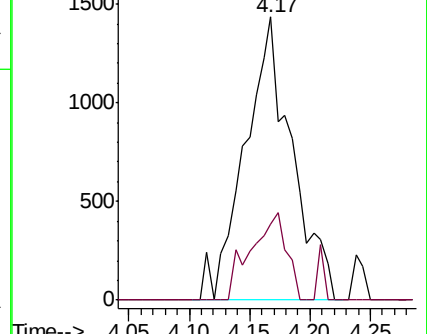
43 100

58 26.8 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: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD066764.D

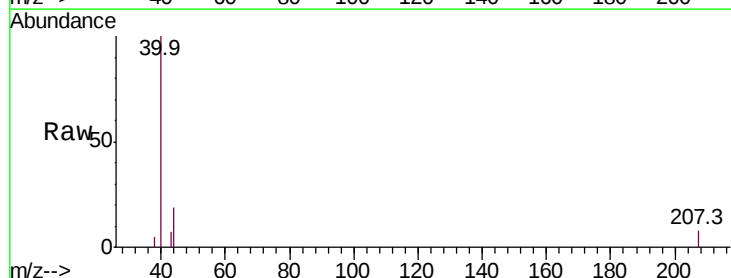
Acq: 18 Sep 2020 14:18

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

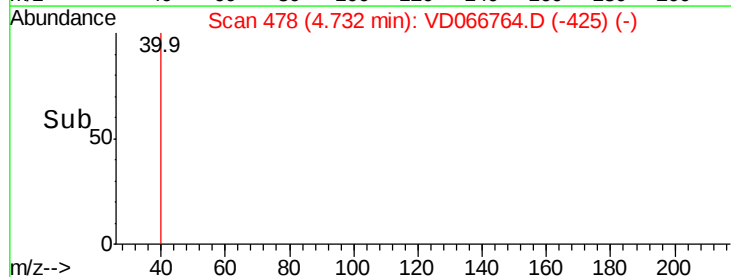
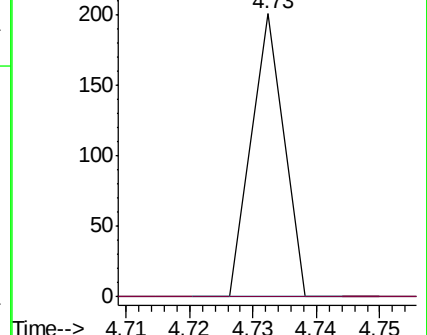
43 100

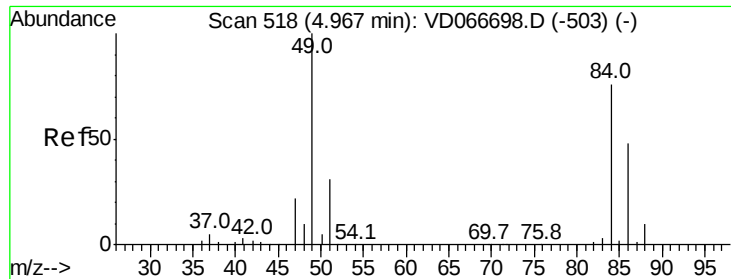
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

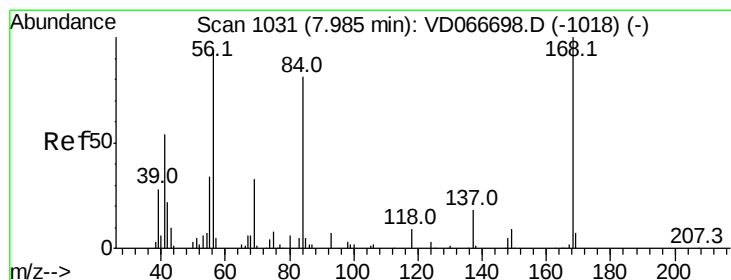
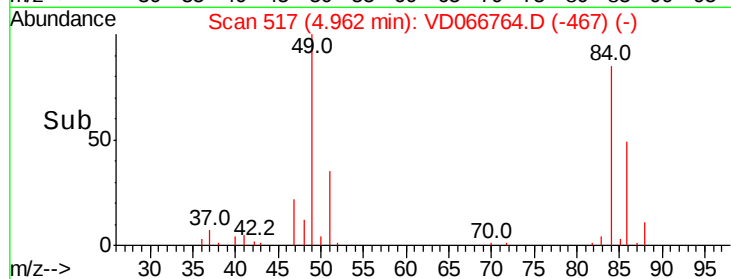
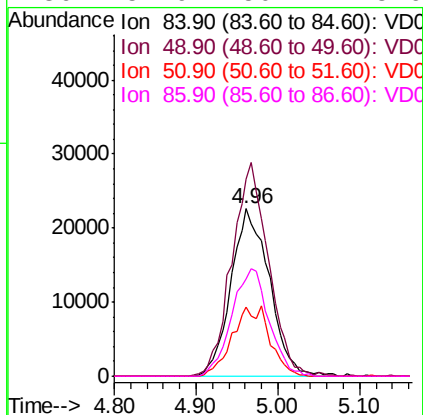
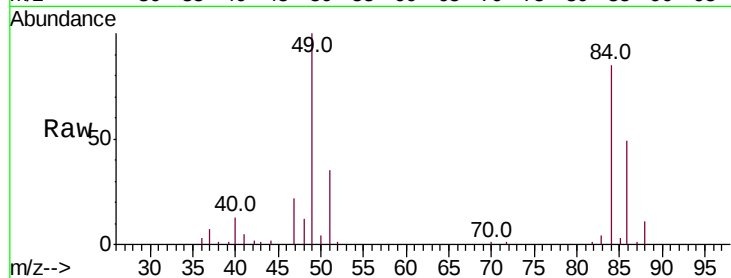




#20
Methvlene Chloride
Concen: 10.873 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066764.D
Acq: 18 Sep 2020 14:18

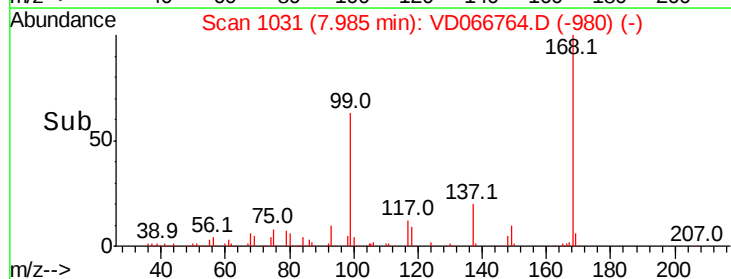
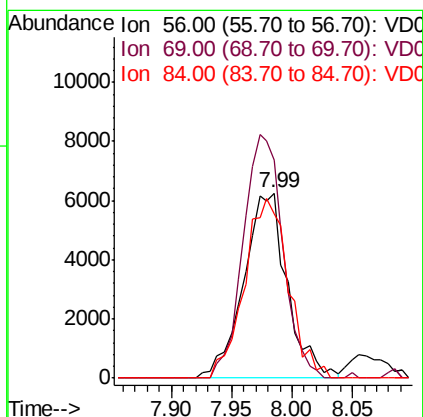
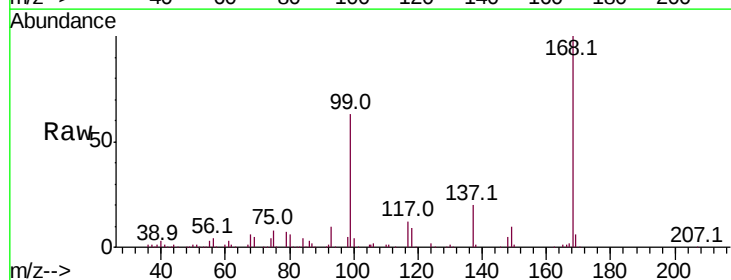
Instrument :
MSVOA_D
ClientSampleId :
TR-08-091720

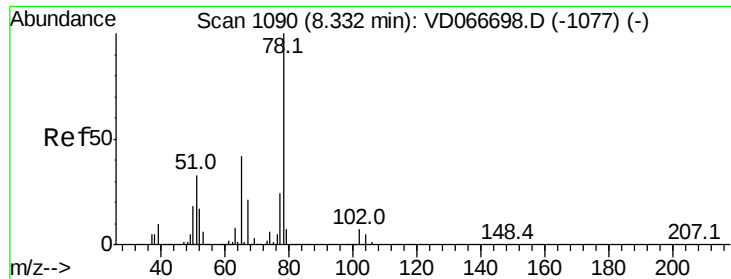
Tot Ion:	84	Resp:	73950
Ion	Ratio	Lower	Upper
84	100		
49	117.7	105.0	157.6
51	41.5	32.2	48.4
86	57.9	50.4	75.6



#31
Cyclohexane
Concen: 2.207 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066764.D
Acq: 18 Sep 2020 14:18

Tgt Ion:	56	Resp:	15836
Ion	Ratio	Lower	Upper
56	100		
69	117.7	27.7	41.5#
84	88.4	68.5	102.7

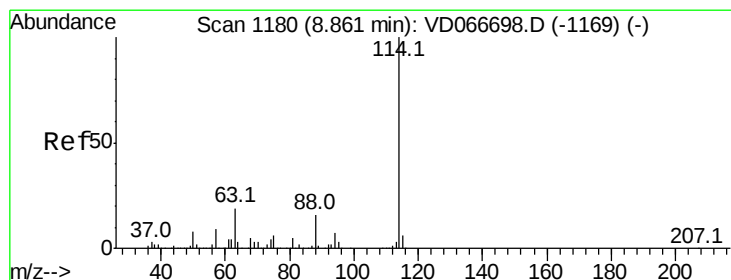
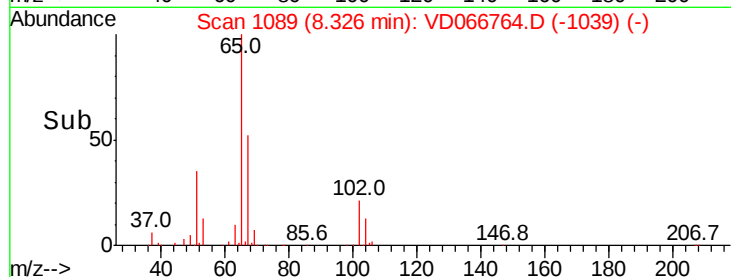
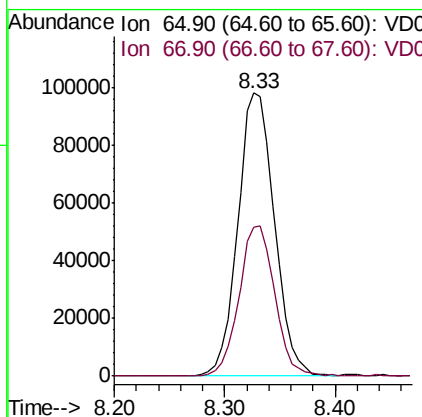
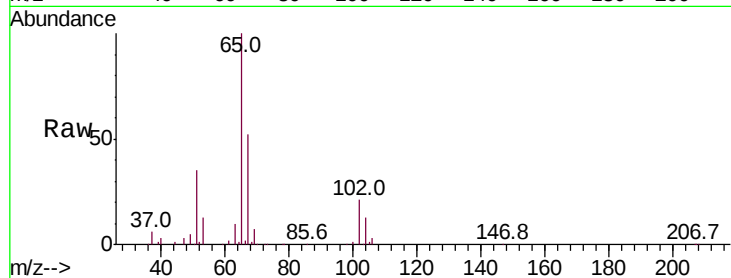




#33
 1,2-Dichloroethane-d4
 Concen: 56.220 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066764.D
 Acq: 18 Sep 2020 14:18

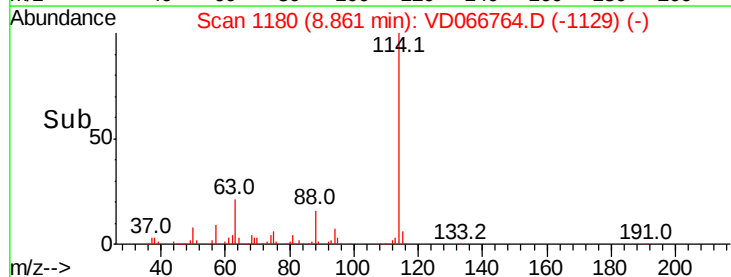
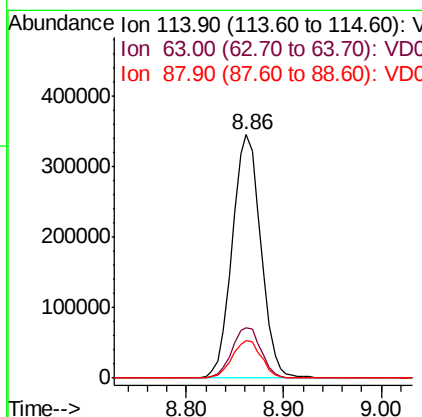
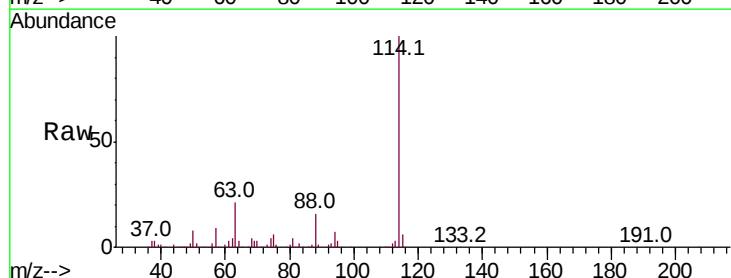
Instrument :
 MSVOA_D
 ClientSampleID :
 TR-08-091720

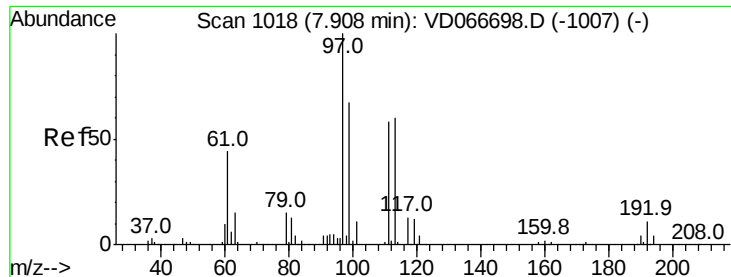
Tot Ion: 65 Resp: 228327
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066764.D
 Acq: 18 Sep 2020 14:18

Tgt Ion: 114 Resp: 702004
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 37.6
 88 15.6 0.0 32.2

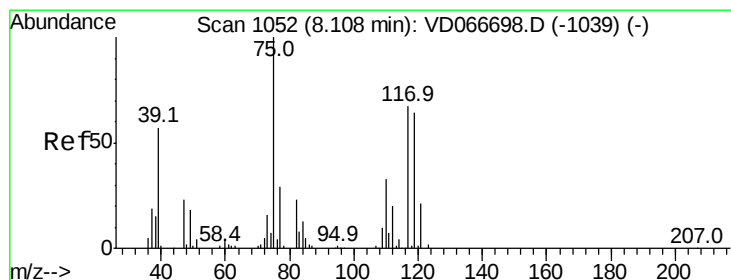
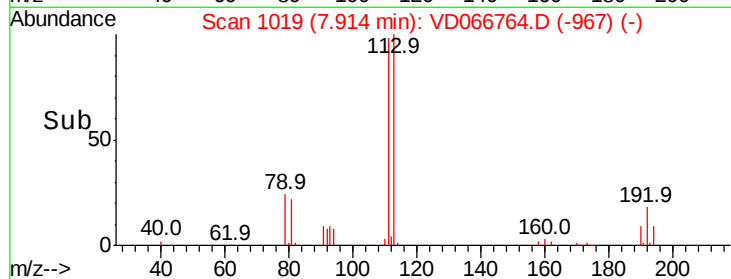
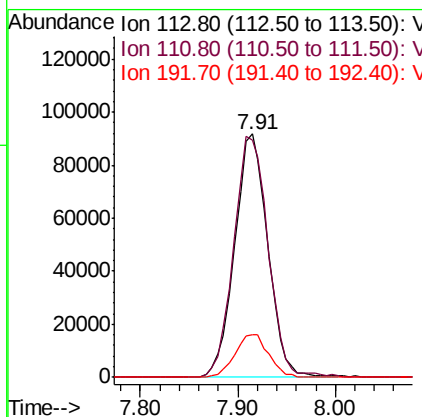
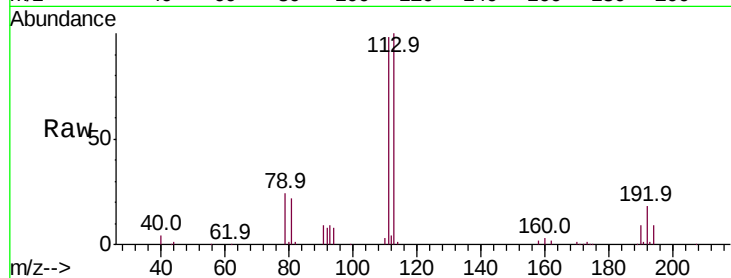




#35
Dibromofluoromethane
Concen: 50.224 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066764.D
Acq: 18 Sep 2020 14:18

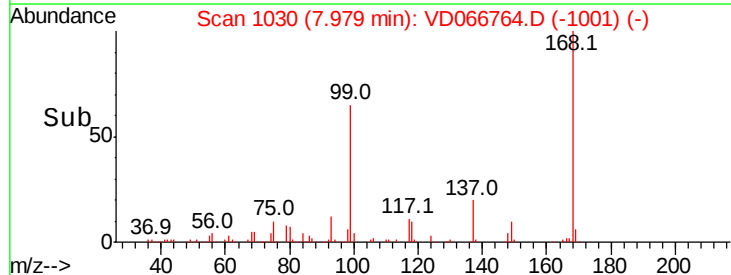
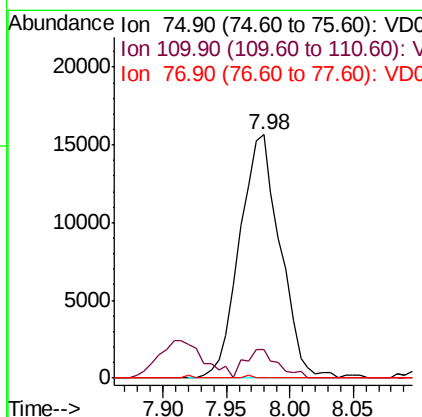
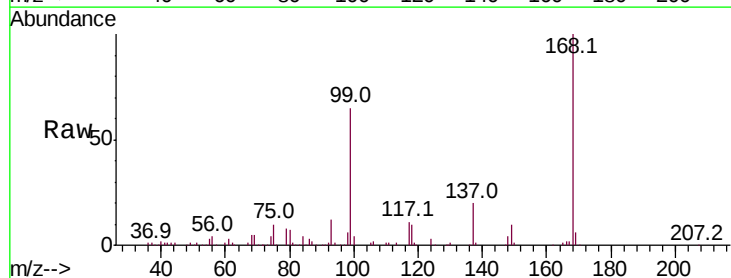
Instrument :
MSVOA_D
ClientSampleId :
TR-08-091720

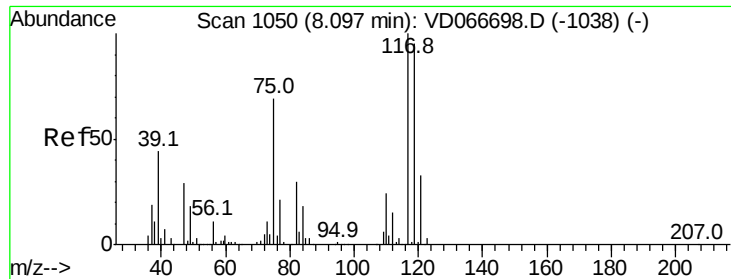
Tot Ion:113 Resp: 216161
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 17.8 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.13 min
Lab File: VD066764.D
Acq: 18 Sep 2020 14:18

Tgt Ion: 75 Resp: 34702
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.2 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.476 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066764.D

Acq: 18 Sep 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

TR-08-091720

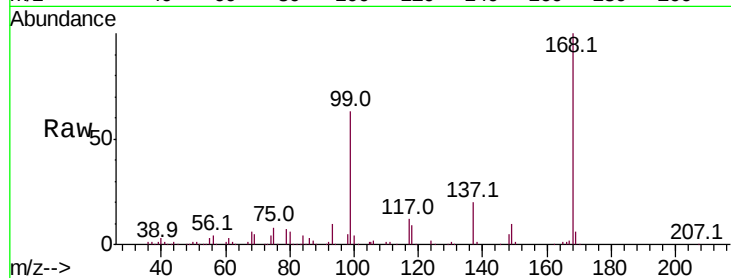
Tot Ion:117 Resp: 41974

Ion Ratio Lower Upper

117 100

119 3.1 75.8 113.6#

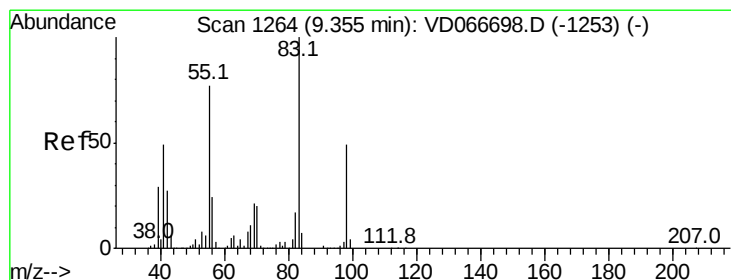
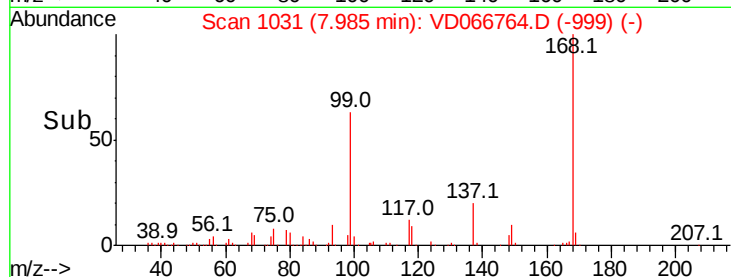
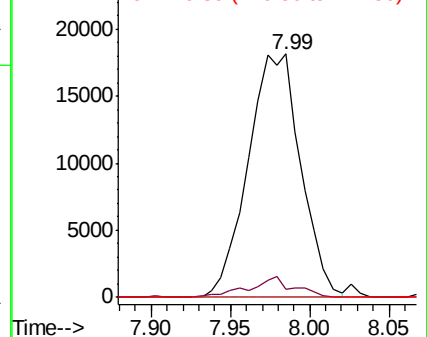
121 0.0 26.2 39.4#



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



#39

Methylcyclohexane

Concen: 1.610 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD066764.D

Acq: 18 Sep 2020 14:18

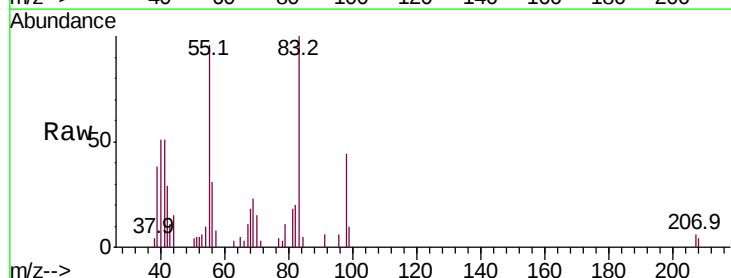
Tgt Ion: 83 Resp: 13295

Ion Ratio Lower Upper

83 100

55 96.1 61.5 92.3#

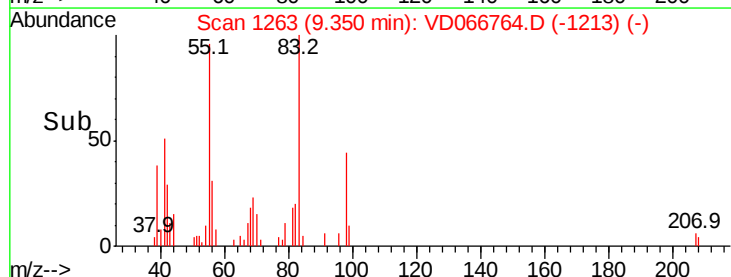
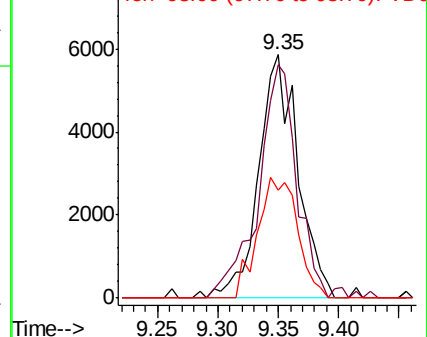
98 44.2 39.3 58.9

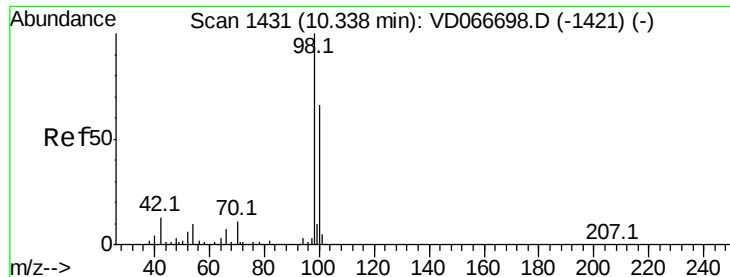


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#50

Toluene-d8

Concen: 55.903 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066764.D

Acq: 18 Sep 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

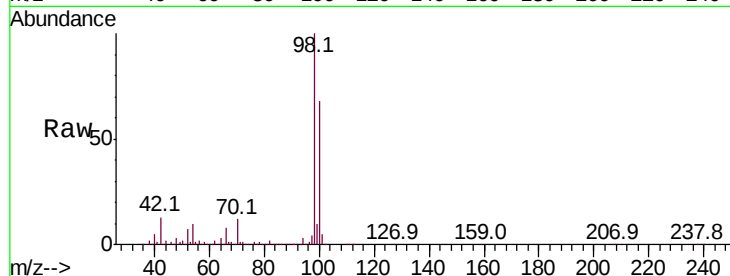
TR-08-091720

Tot Ion: 98 Resp: 857212

Ion Ratio Lower Upper

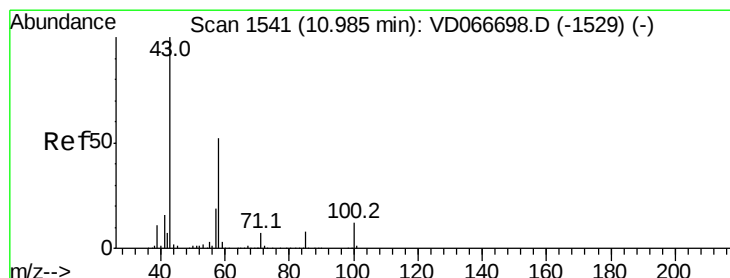
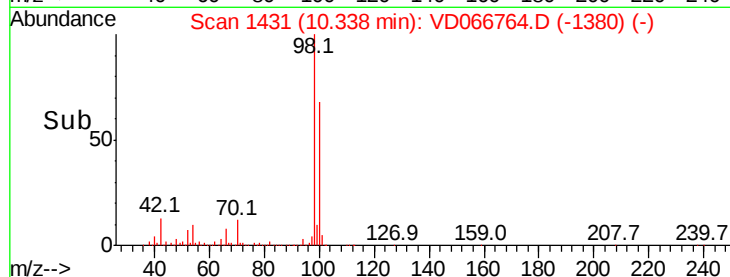
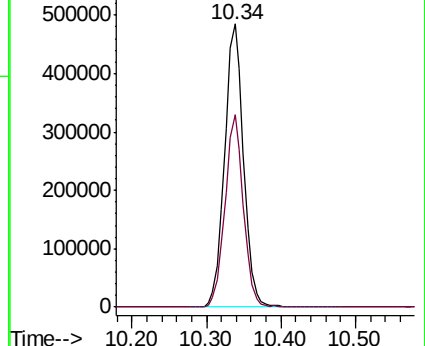
98 100

100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#59

2-Hexanone

Concen: 1.192 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.04 min

Lab File: VD066764.D

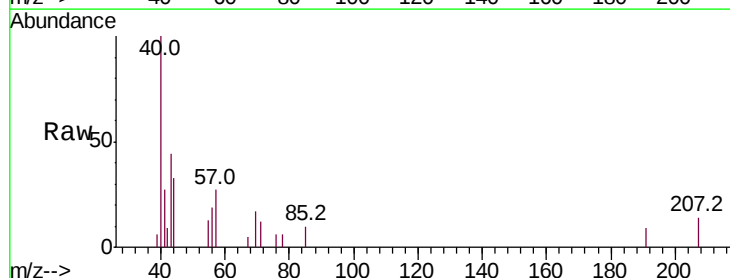
Acq: 18 Sep 2020 14:18

Tgt Ion: 43 Resp: 2120

Ion Ratio Lower Upper

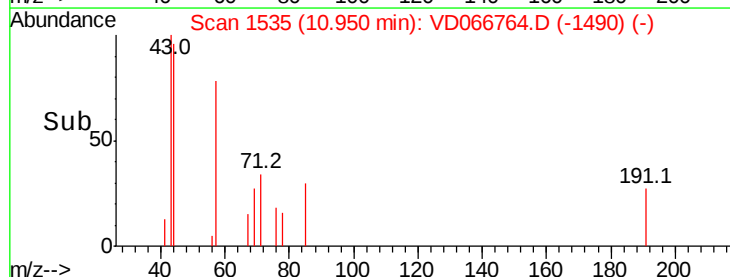
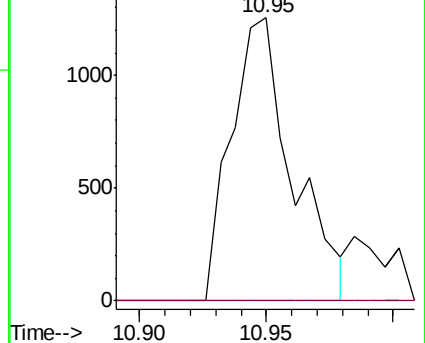
43 100

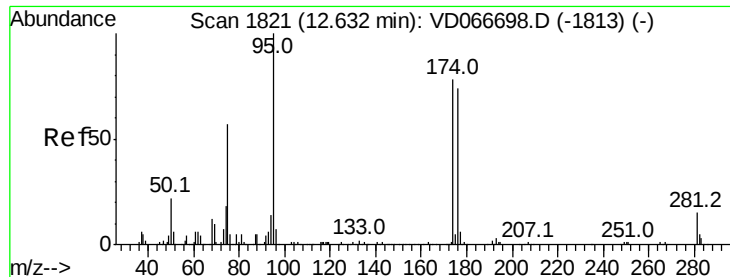
58 0.0 26.2 78.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 54.411 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066764.D

Acq: 18 Sep 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

TR-08-091720

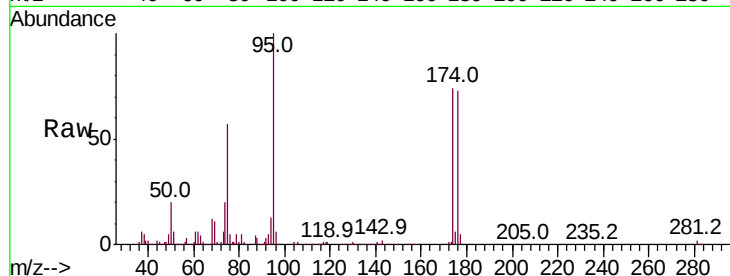
Tot Ion: 95 Resp: 288004

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.6

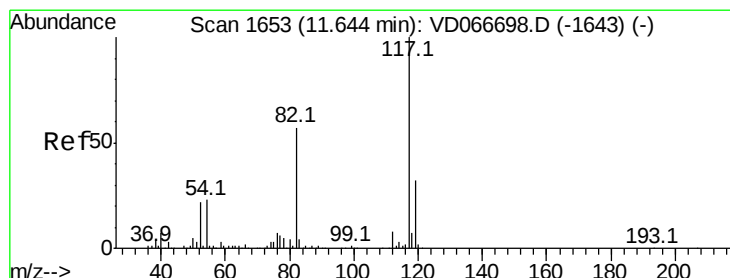
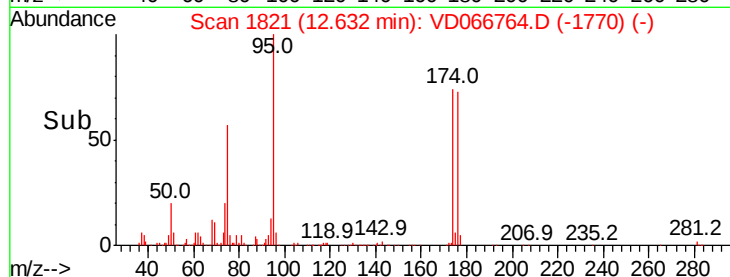
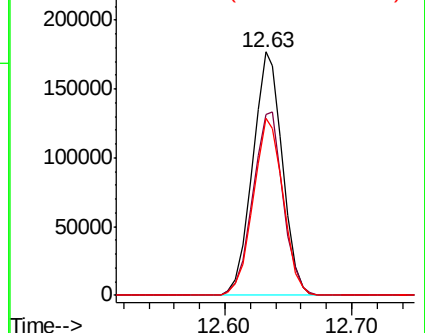
176 73.5 0.0 150.2



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: VD066764.D

Acq: 18 Sep 2020 14:18

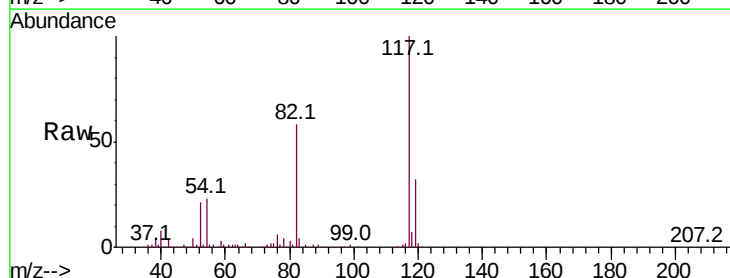
Tgt Ion: 117 Resp: 672102

Ion Ratio Lower Upper

117 100

82 57.7 45.4 68.0

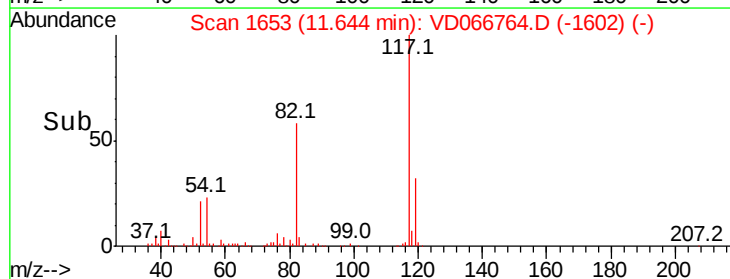
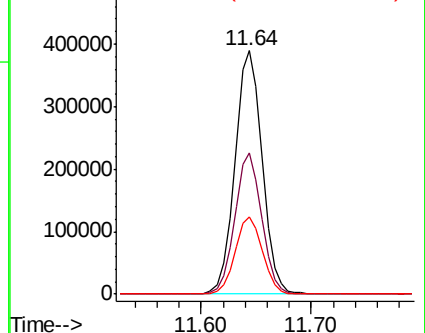
119 31.8 25.8 38.6

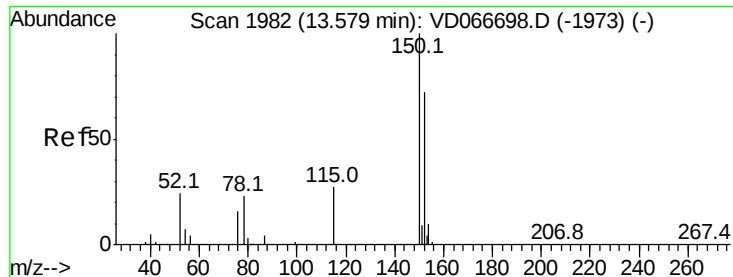


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066764.D

Acq: 18 Sep 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

TR-08-091720

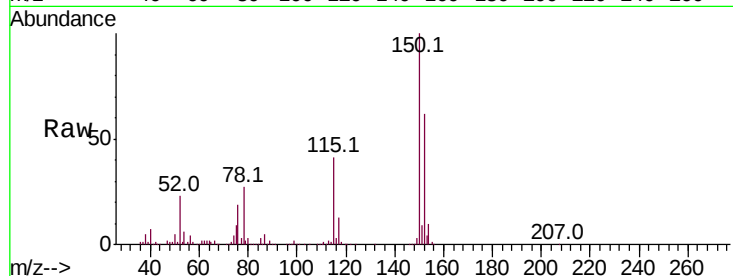
Tot Ion:152 Resp: 284516

Ion Ratio Lower Upper

152 100

115 62.7 30.5 91.5

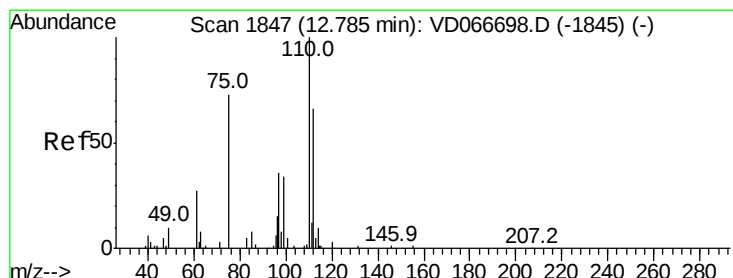
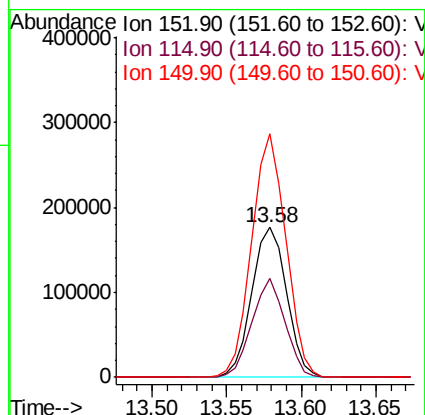
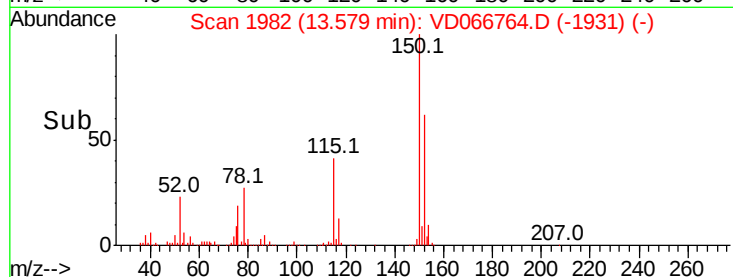
150 159.7 0.0 344.6



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: 65.370 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066764.D

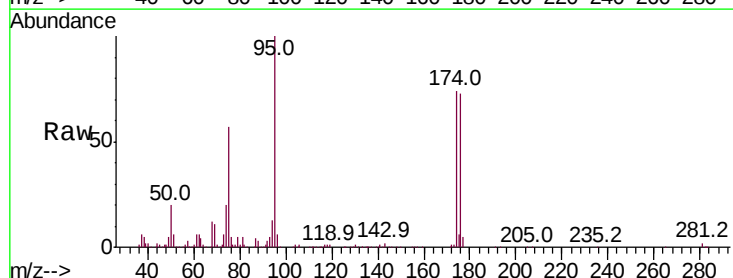
Acq: 18 Sep 2020 14:18

Tgt Ion: 75 Resp: 159199

Ion Ratio Lower Upper

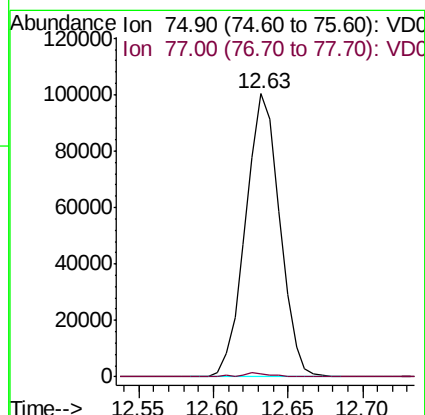
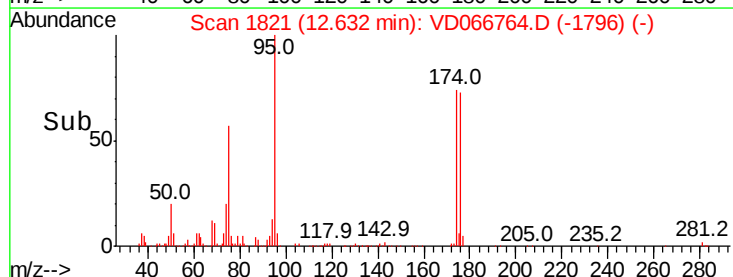
75 100

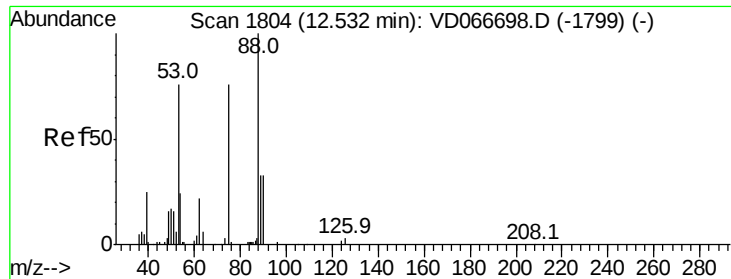
77 1.5 0.0 0.0#



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: 141.080 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066764.D

Acq: 18 Sep 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

TR-08-091720

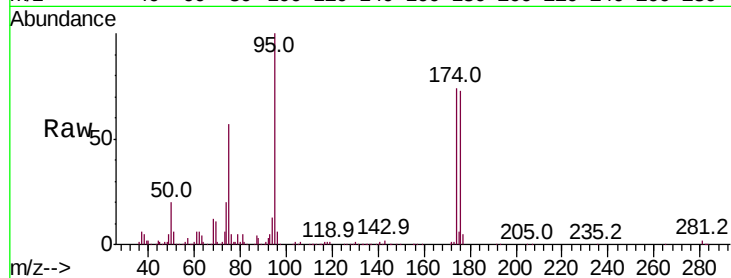
Tot Ion: 75 Resp: 159199

Ion Ratio Lower Upper

75 100

53 0.2 82.2 123.4#

89 0.1 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

