

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066763.D
 Acq On : 18 Sep 2020 13:51
 Operator : VA/SY
 Sample : L3871-13
 Misc : 9.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-091720

Quant Time: Sep 19 03:14:37 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	322589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	601057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	613672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	275618	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	219235	63.70	ug/l	0.00
Spiked Amount			Recovery	=	127.40%	
35) Dibromofluoromethane	7.91	113	199087	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
50) Toluene-d8	10.34	98	748421	57.01	ug/l	0.00
Spiked Amount			Recovery	=	114.02%	
62) 4-Bromofluorobenzene	12.63	95	271551	59.92	ug/l	0.00
Spiked Amount			Recovery	=	119.84%	

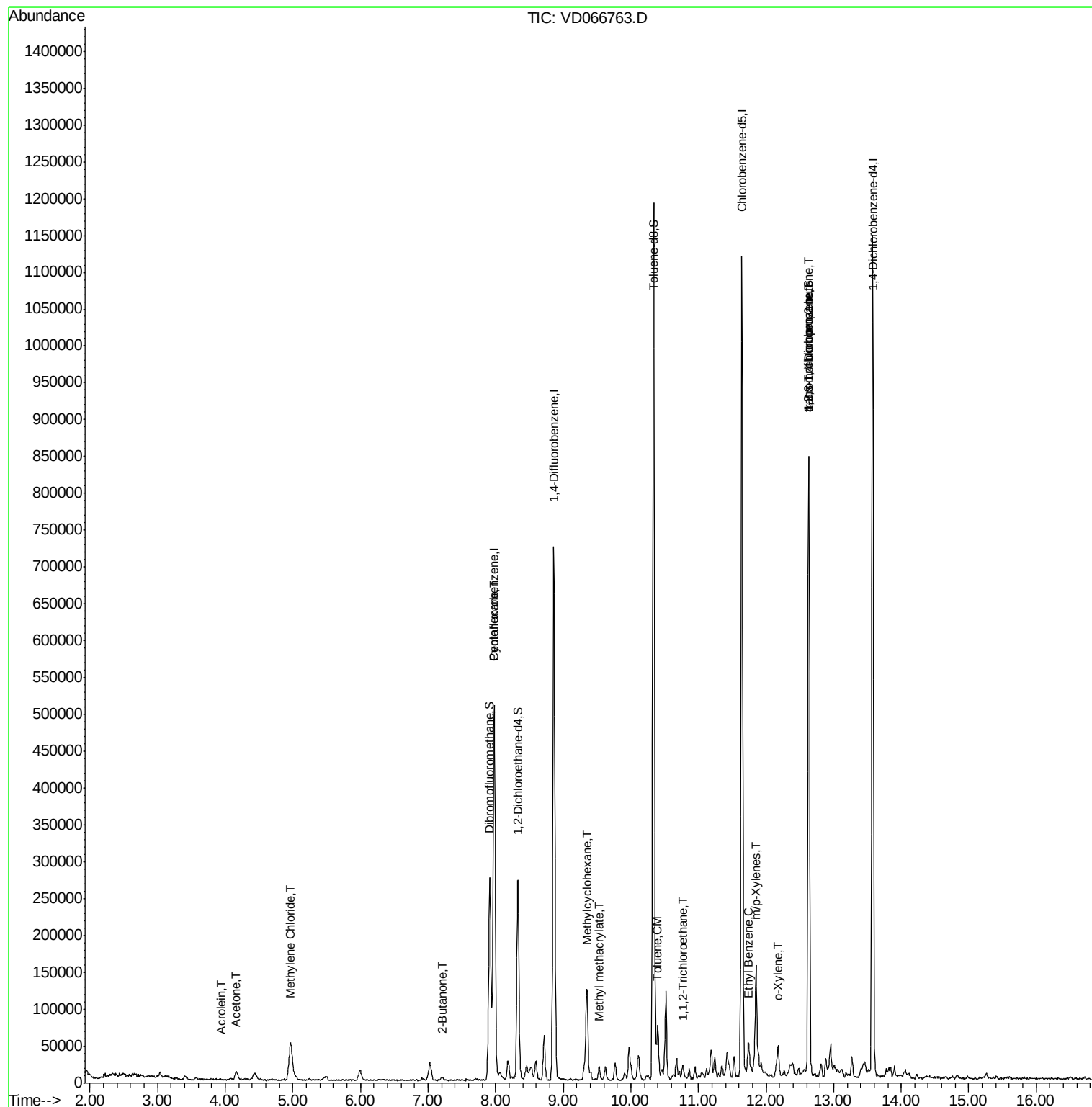
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	759	Below Cal	#	43
13) Acrolein	3.93	56	533	2.196	ug/l #	77
16) Acetone	4.16	43	21831	31.148	ug/l #	85
18) Methyl Acetate	4.73	43	274	Below Cal	#	52
20) Methylene Chloride	4.97	84	38327	3.296	ug/l	96
25) 2-Butanone	7.22	43	2193	2.403	ug/l #	49
31) Cyclohexane	7.98	56	27354	4.499	ug/l #	73
39) Methylcyclohexane	9.35	83	44034	6.230	ug/l	96
48) Methyl methacrylate	9.53	41	4148	1.852	ug/l #	75
52) Toluene	10.40	92	27114	2.532	ug/l	92
55) 1,1,2-Trichloroethane	10.78	97	5871	1.961	ug/l #	21
67) Ethyl Benzene	11.74	91	25665	1.115	ug/l	96
68) m/p-Xylenes	11.85	106	26472	3.043	ug/l	96
69) o-Xylene	12.18	106	9814	1.277	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	151932	64.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151932	138.987	ug/l #	8

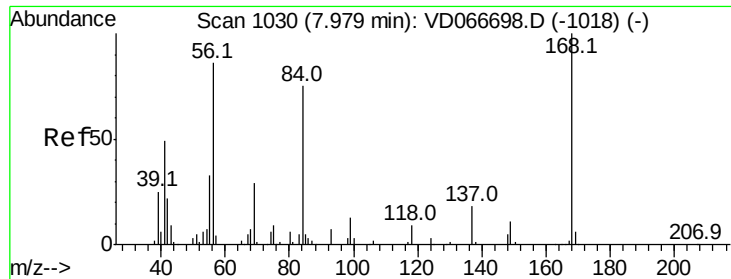
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
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: VD066763.D

Acq: 18 Sep 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

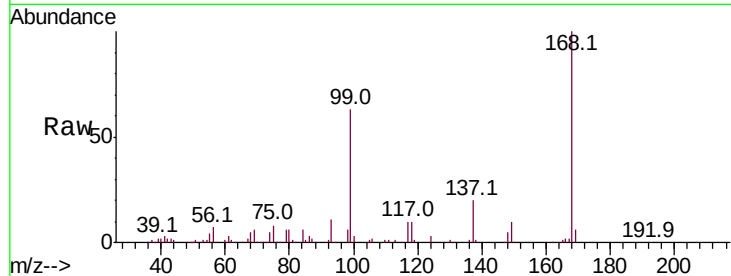
TR-05-091720

Tot Ion:168 Resp: 322589

Ion Ratio Lower Upper

168 100

99 62.9 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

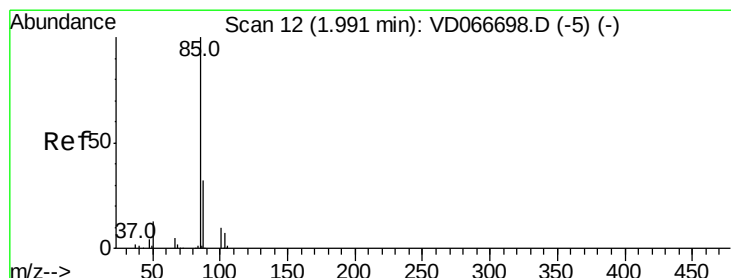
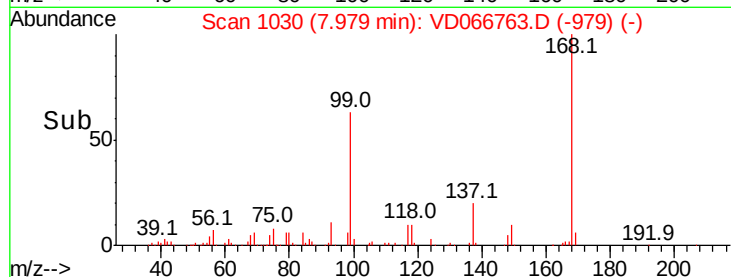
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066763.D

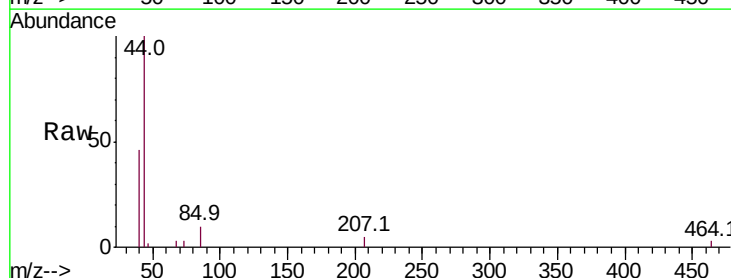
Acq: 18 Sep 2020 13:51

Tgt Ion: 85 Resp: 759

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

2.00

600

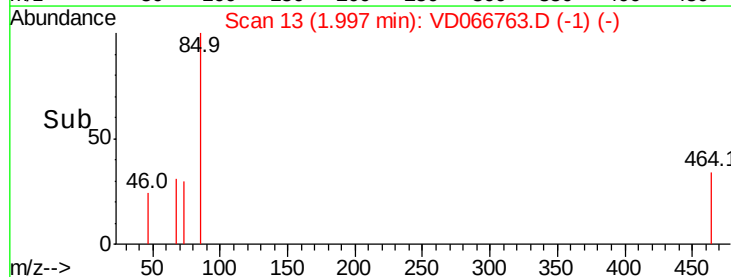
400

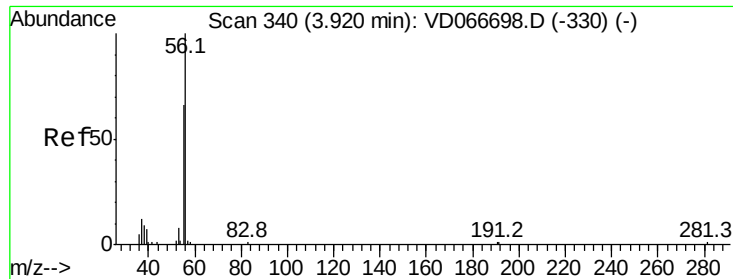
200

0

1.96 1.98 2.00 2.02

Time-->





#13

Acrolein

Concen: 2.196 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD066763.D

Acq: 18 Sep 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

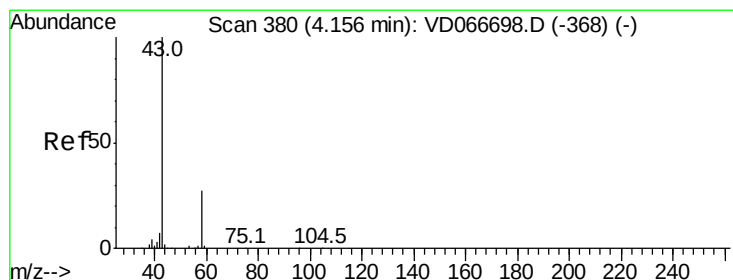
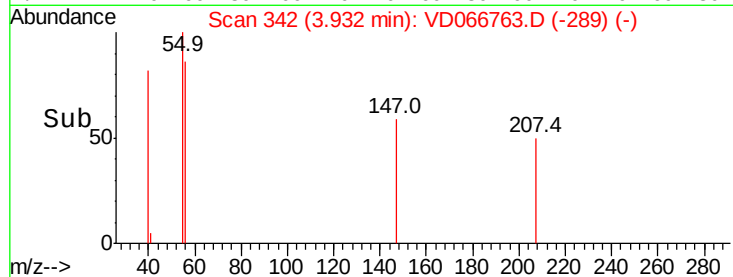
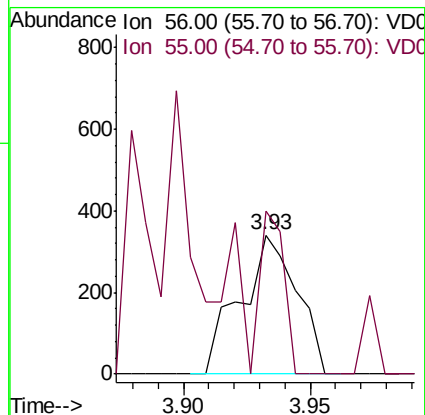
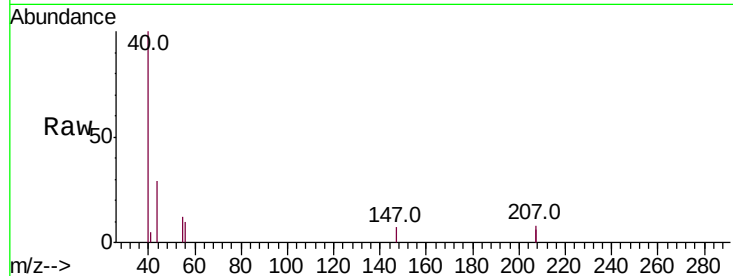
TR-05-091720

Tot Ion: 56 Resp: 533

Ion Ratio Lower Upper

56 100

55 49.5 54.7 82.1#



#16

Acetone

Concen: 31.148 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066763.D

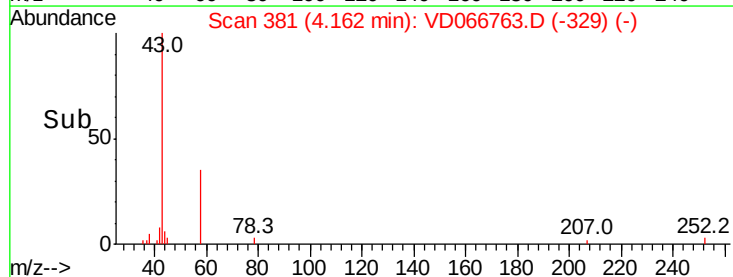
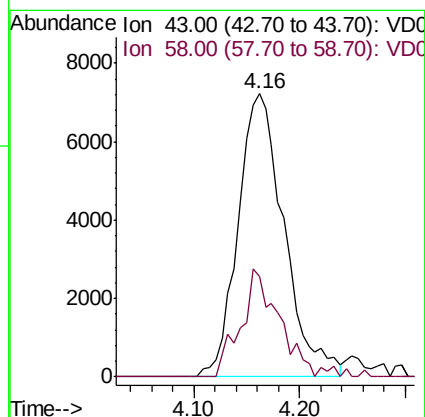
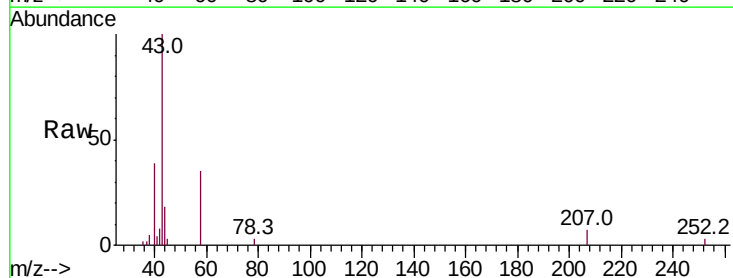
Acq: 18 Sep 2020 13:51

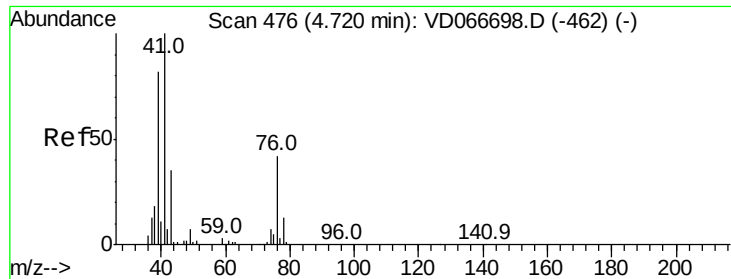
Tgt Ion: 43 Resp: 21831

Ion Ratio Lower Upper

43 100

58 35.2 21.9 32.9#

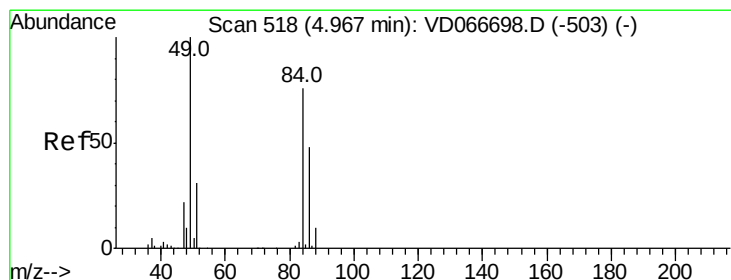
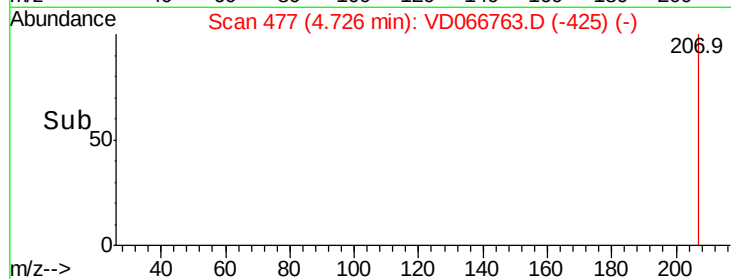
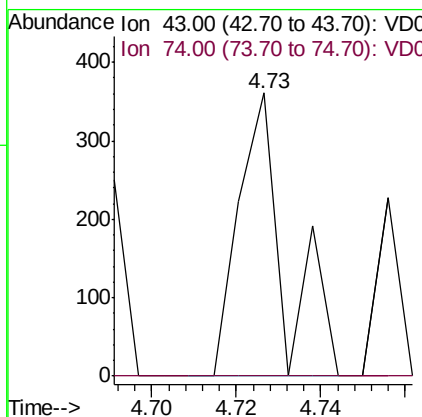
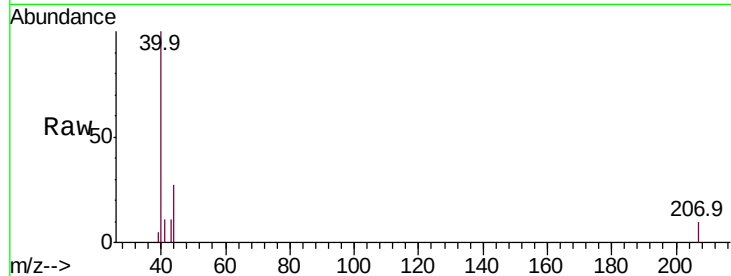




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

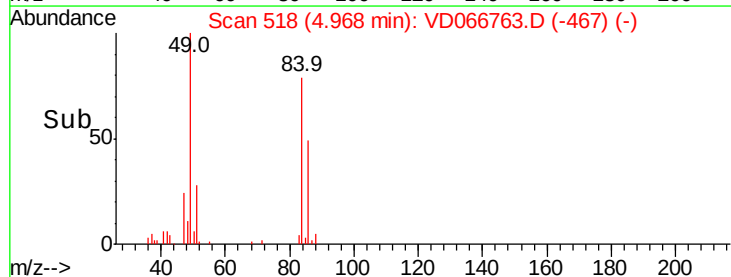
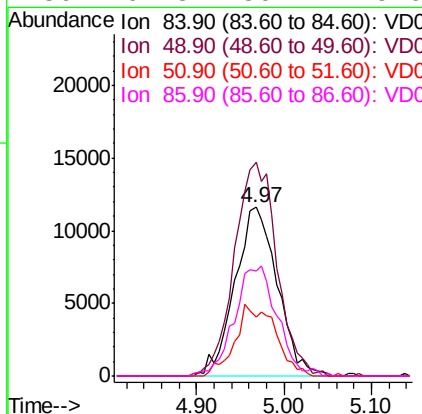
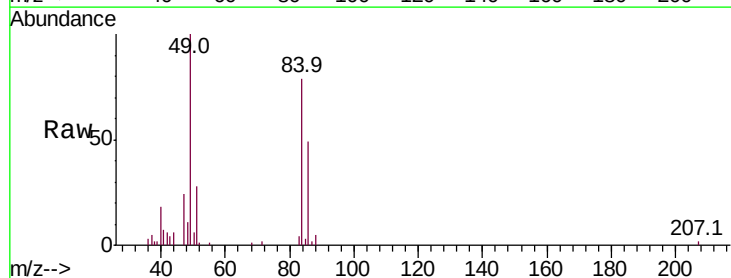
Instrument :
MSVOA_D
ClientSampleId :
TR-05-091720

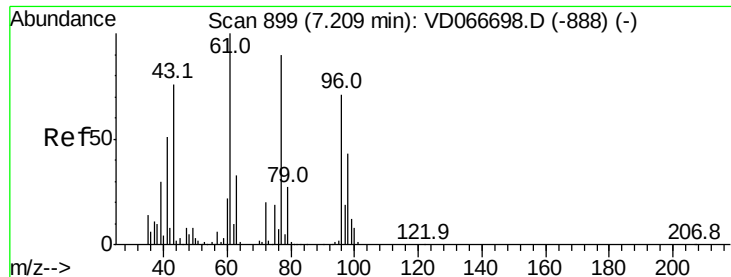
Tot Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 3.296 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

Tgt Ion: 84 Resp: 38327
Ion Ratio Lower Upper
84 100
49 126.7 105.0 157.6
51 35.2 32.2 48.4
86 62.3 50.4 75.6

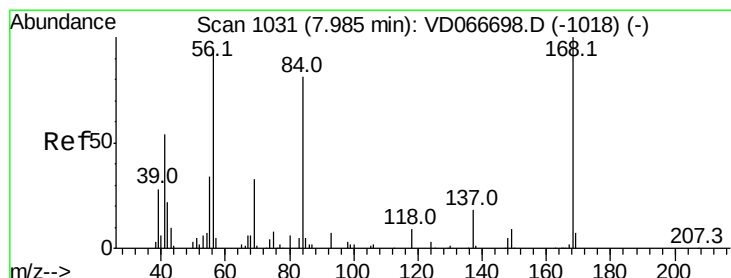
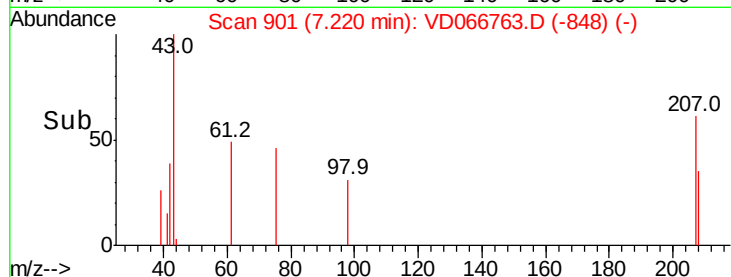
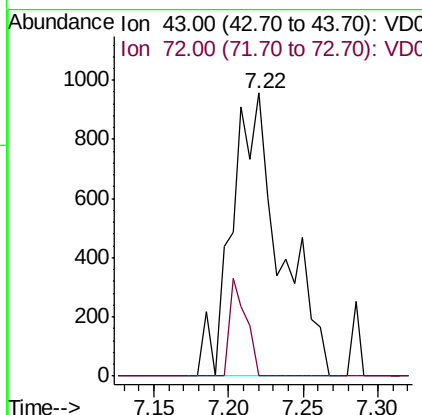
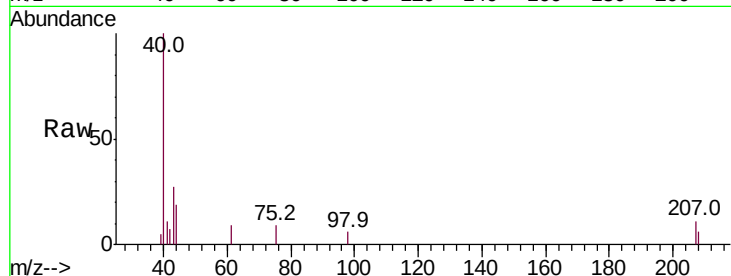




#25
2-Butanone
Concen: 2.403 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

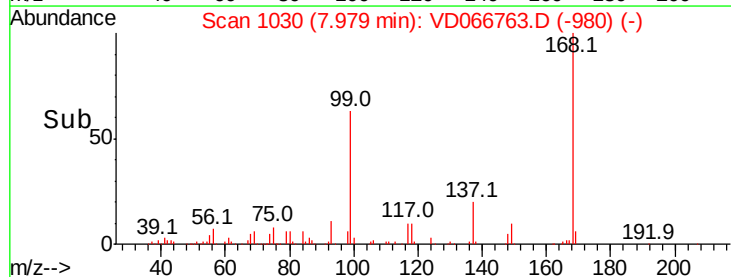
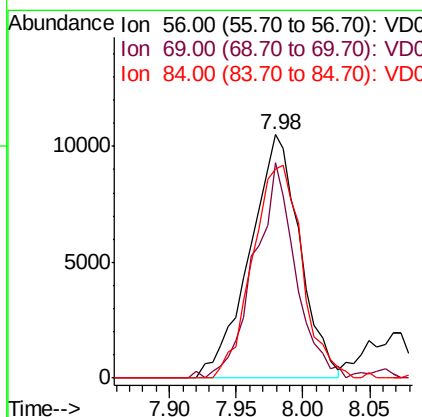
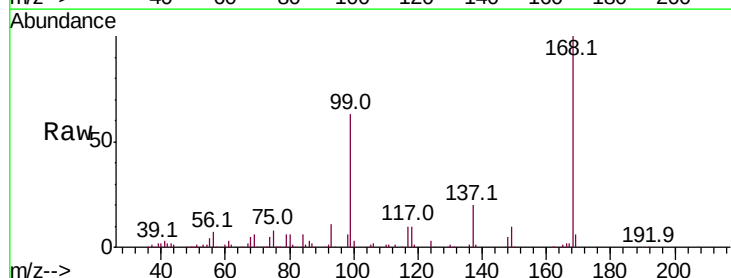
Instrument :
MSVOA_D
ClientSampleId :
TR-05-091720

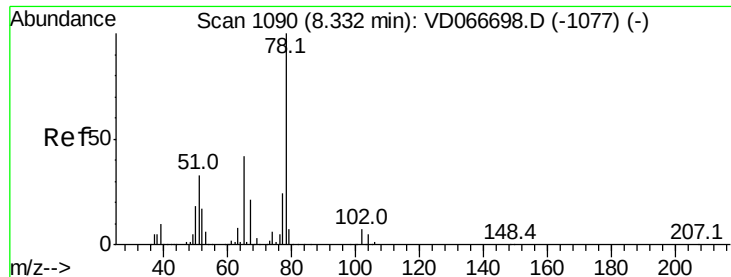
Tot Ion: 43 Resp: 2193
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 4.499 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

Tgt Ion: 56 Resp: 27354
Ion Ratio Lower Upper
56 100
69 88.4 27.7 41.5#
84 85.8 68.5 102.7

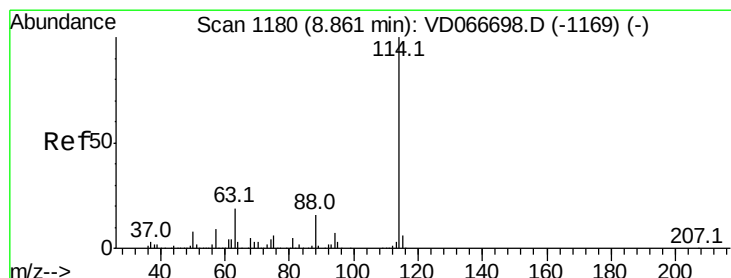
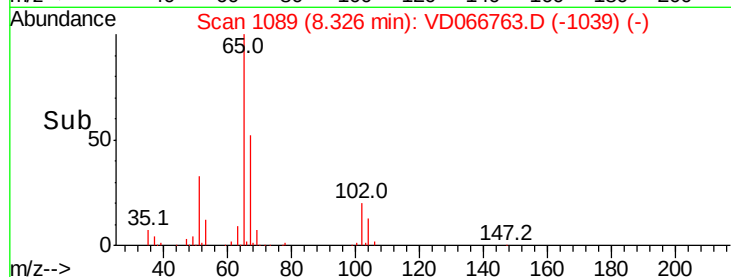
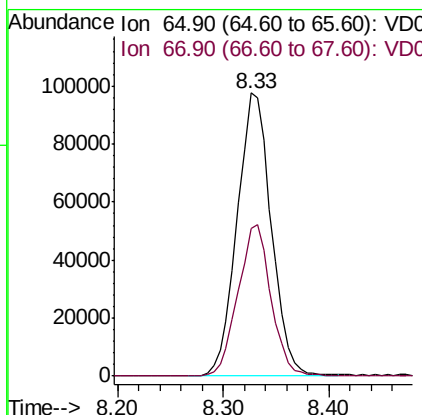
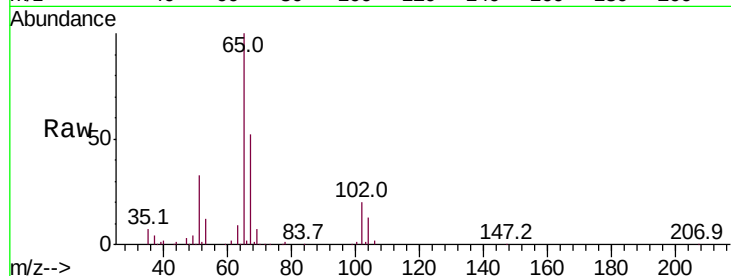




#33
 1,2-Dichloroethane-d4
 Concen: 63.697 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066763.D
 Acq: 18 Sep 2020 13:51

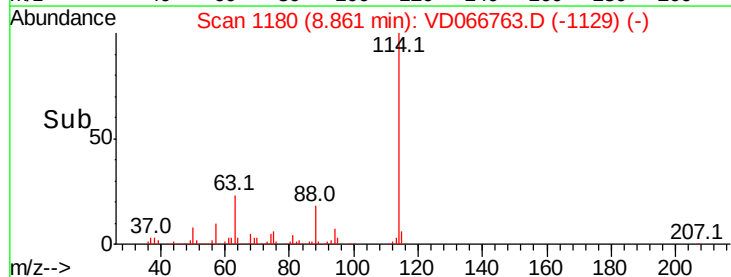
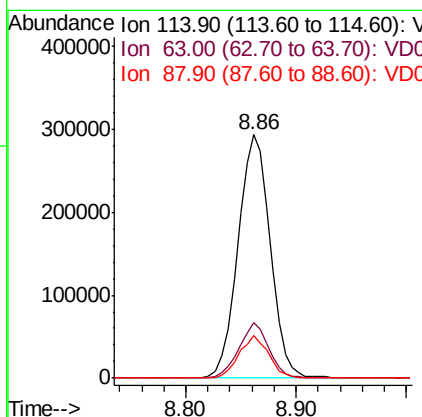
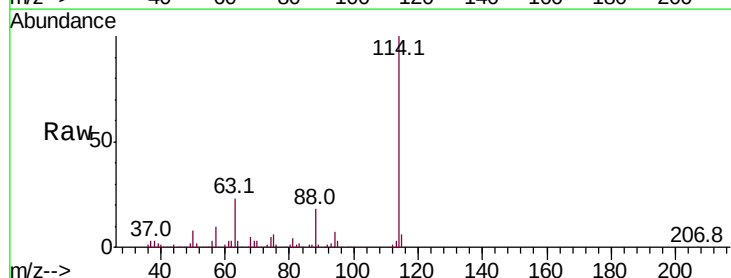
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-091720

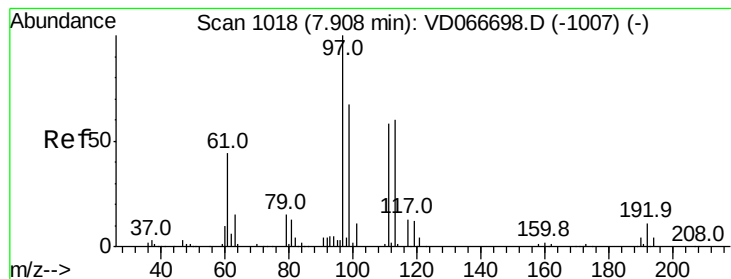
Tot Ion: 65 Resp: 219235
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066763.D
 Acq: 18 Sep 2020 13:51

Tgt Ion: 114 Resp: 601057
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 37.6
 88 17.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.026 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066763.D

Acq: 18 Sep 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

TR-05-091720

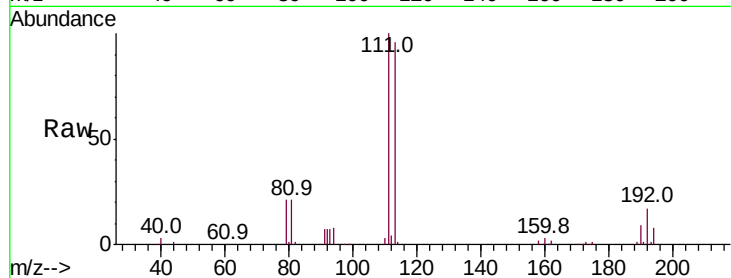
Tot Ion:113 Resp: 199087

Ion Ratio Lower Upper

113 100

111 101.3 83.2 124.8

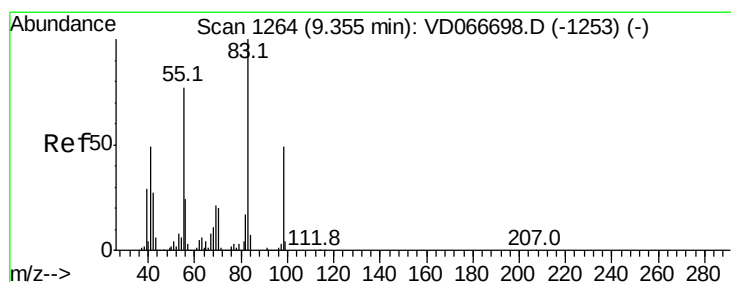
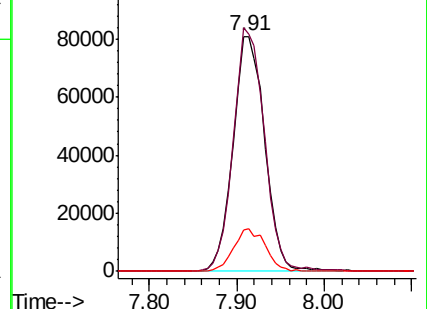
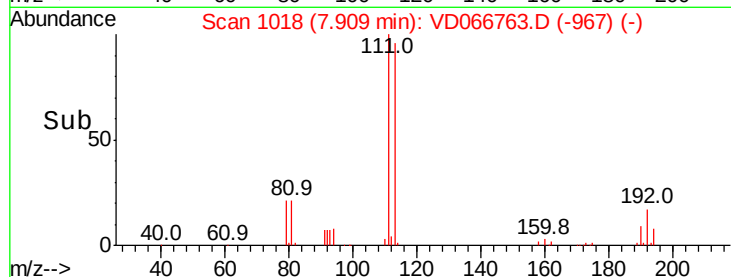
192 18.2 14.8 22.2



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



#39

Methylcyclohexane

Concen: 6.230 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD066763.D

Acq: 18 Sep 2020 13:51

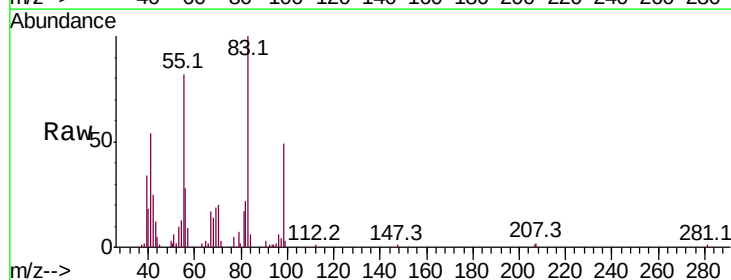
Tgt Ion: 83 Resp: 44034

Ion Ratio Lower Upper

83 100

55 82.3 61.5 92.3

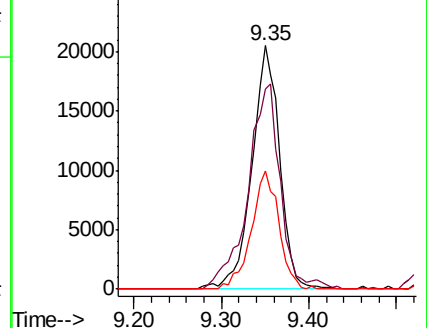
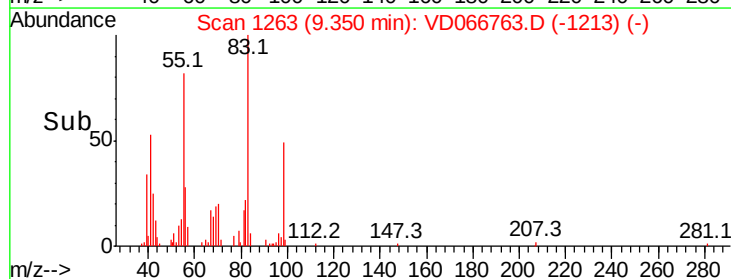
98 48.7 39.3 58.9

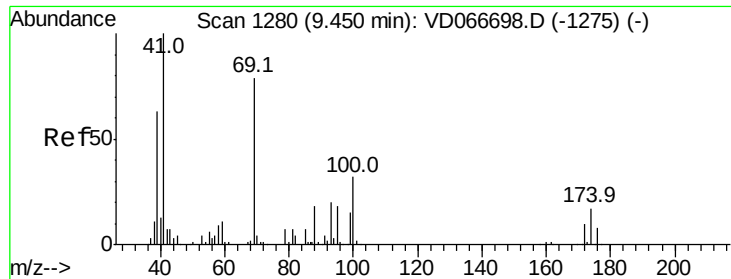


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#48

Methvl methacrylate

Concen: 1.852 ug/l

RT: 9.53 min Scan# 1294

Delta R.T. 0.08 min

Lab File: VD066763.D

Acq: 18 Sep 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

TR-05-091720

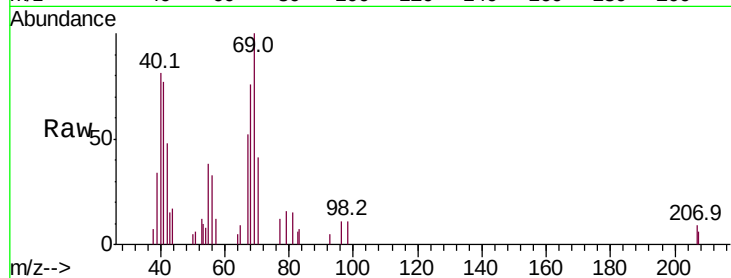
Tot Ion: 41 Resp: 4148

Ion Ratio Lower Upper

41 100

69 108.2 62.4 93.6#

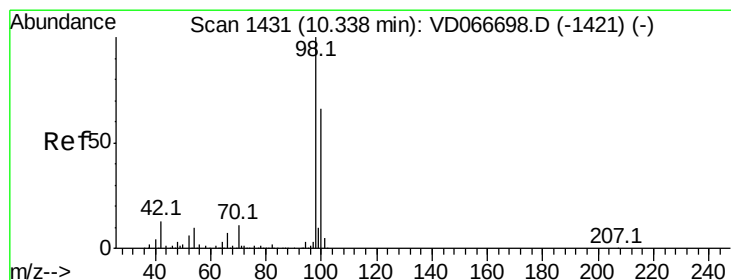
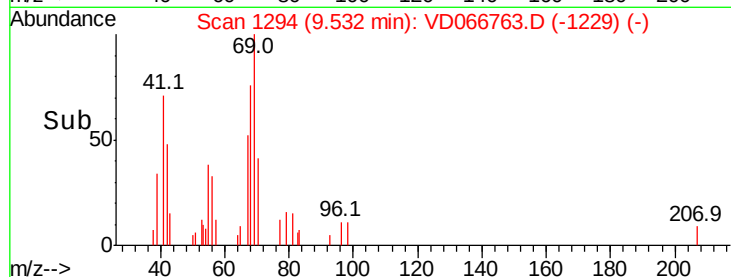
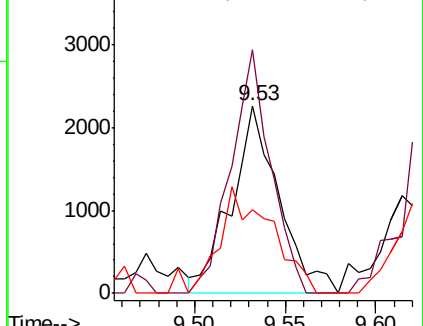
39 63.7 44.8 67.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#50

Toluene-d8

Concen: 57.005 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066763.D

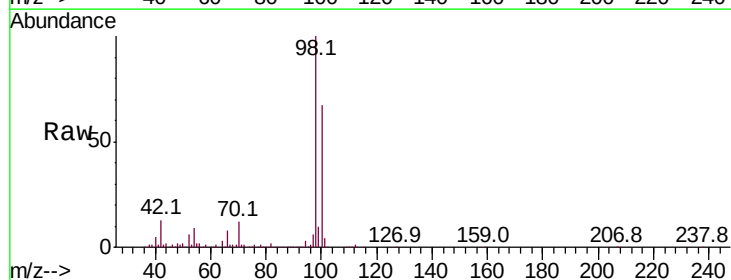
Acq: 18 Sep 2020 13:51

Tgt Ion: 98 Resp: 748421

Ion Ratio Lower Upper

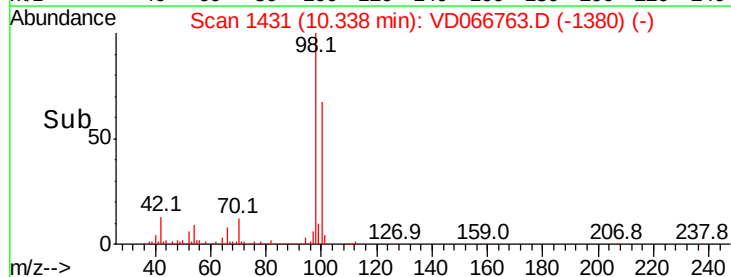
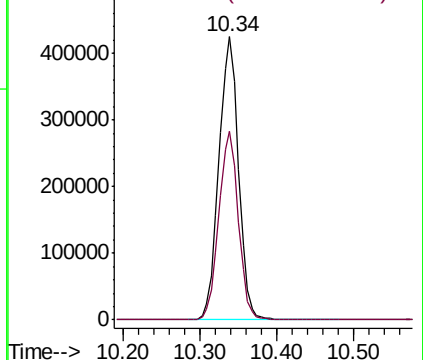
98 100

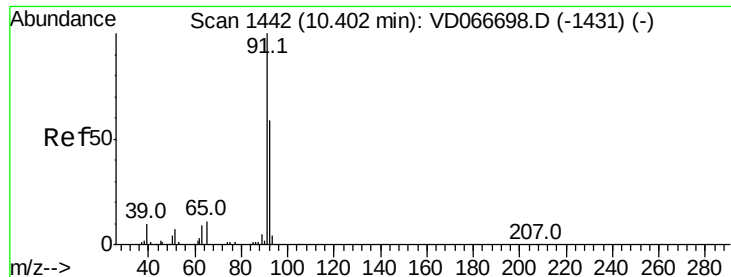
100 66.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 2.532 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066763.D

Acq: 18 Sep 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

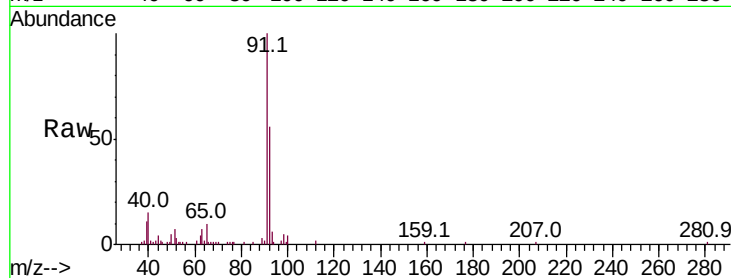
TR-05-091720

Tot Ion: 92 Resp: 27114

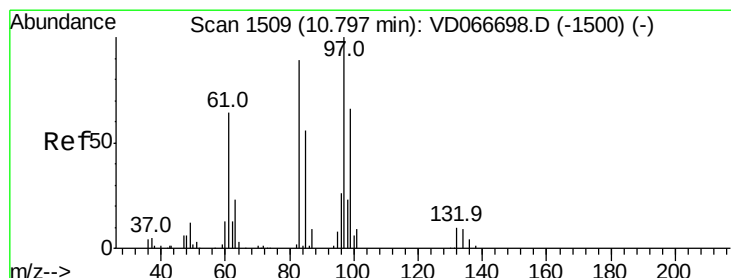
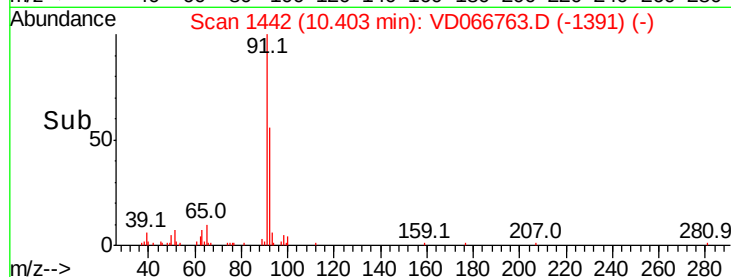
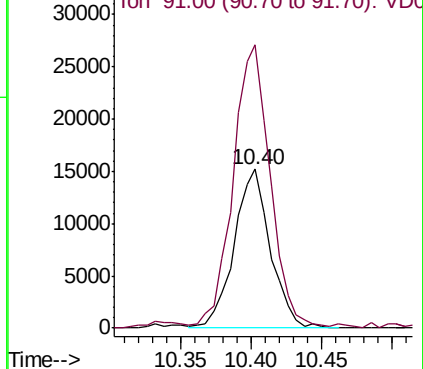
Ion Ratio Lower Upper

92 100

91 181.2 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC



#55

1,1,2-Trichloroethane

Concen: 1.961 ug/l

RT: 10.78 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD066763.D

Acq: 18 Sep 2020 13:51

Tgt Ion: 97 Resp: 5871

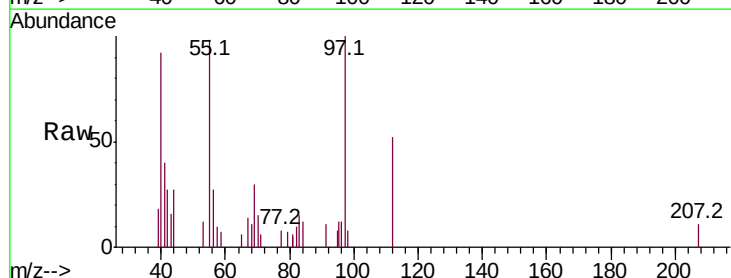
Ion Ratio Lower Upper

97 100

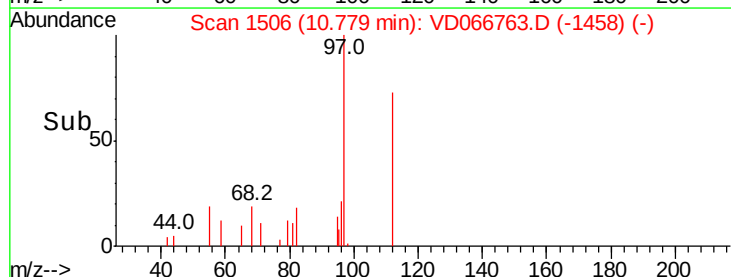
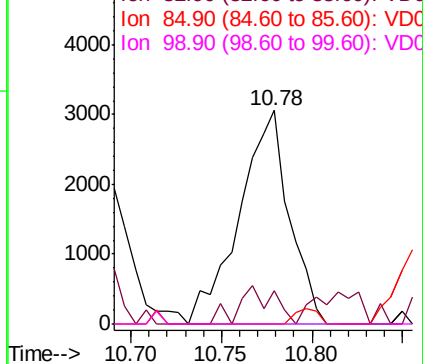
83 15.4 71.4 107.2#

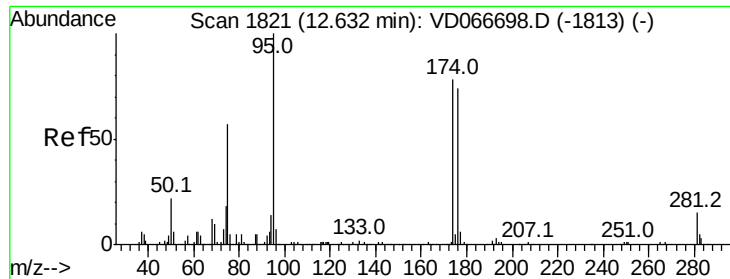
85 0.0 44.7 67.1#

99 0.0 52.4 78.6#



Abundance Ion 96.90 (96.60 to 97.60): VDC

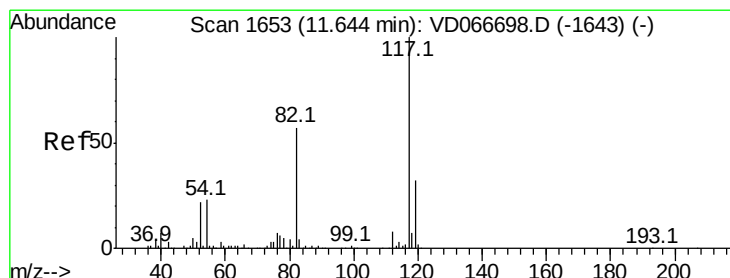
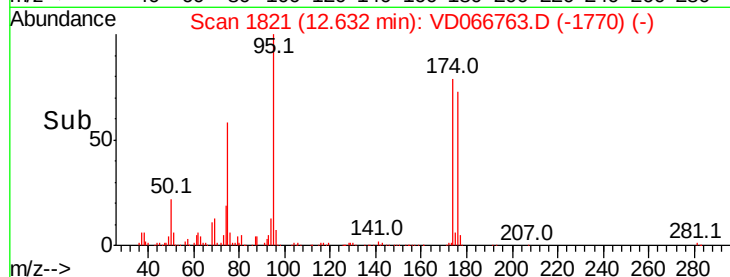
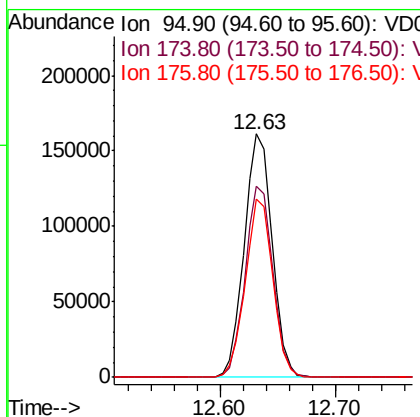
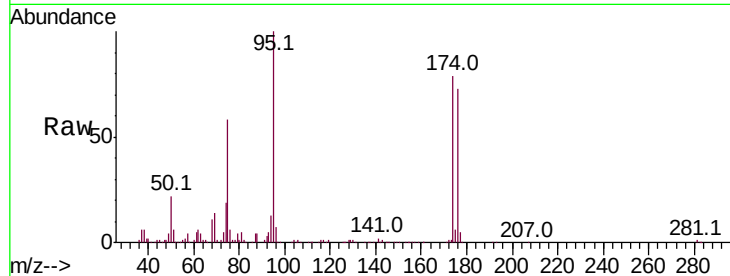




#62
4-Bromofluorobenzene
Concen: 59.919 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

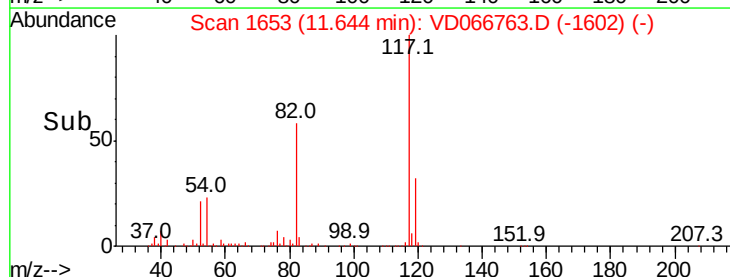
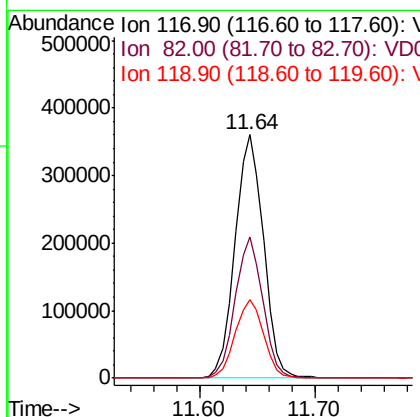
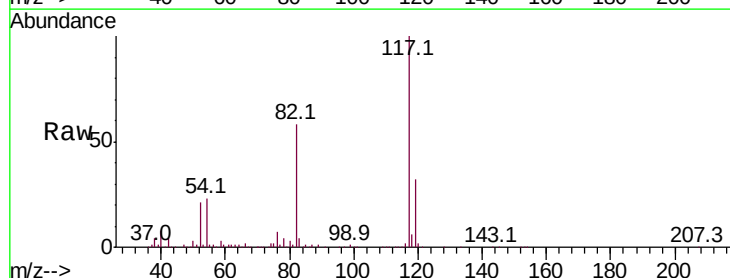
Instrument :
MSVOA_D
ClientSampleId :
TR-05-091720

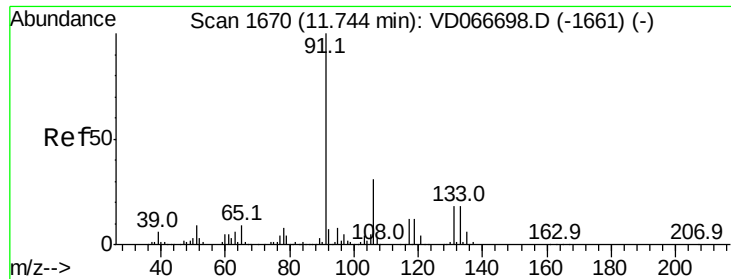
Tot Ion: 95 Resp: 271551
Ion Ratio Lower Upper
95 100
174 77.9 0.0 156.6
176 72.2 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

Tgt Ion: 117 Resp: 613672
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.0
119 32.1 25.8 38.6





#67

Ethyl Benzene

Concen: 1.115 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066763.D

Acq: 18 Sep 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

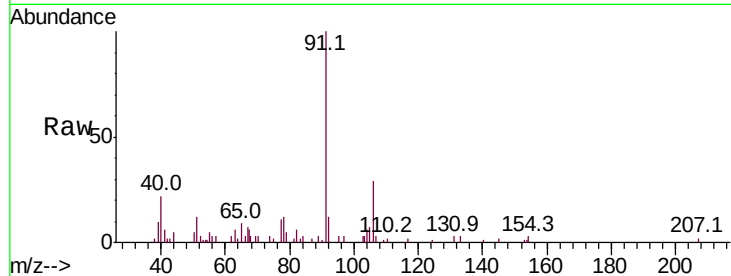
TR-05-091720

Tot Ion: 91 Resp: 25665

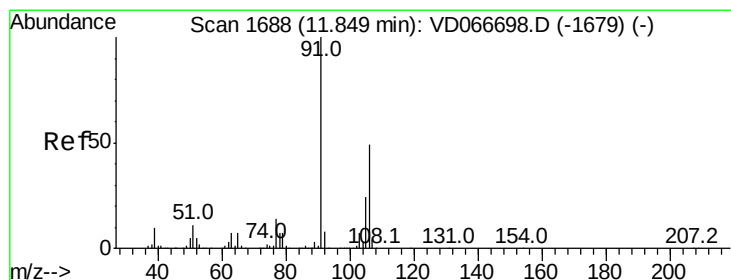
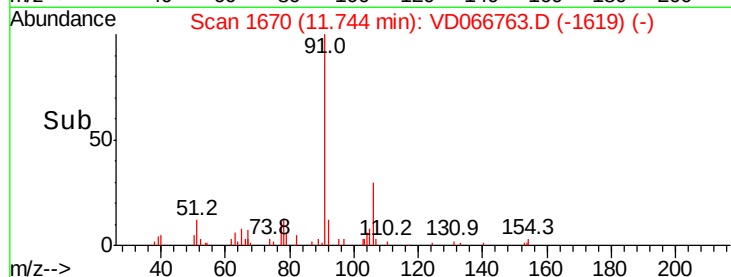
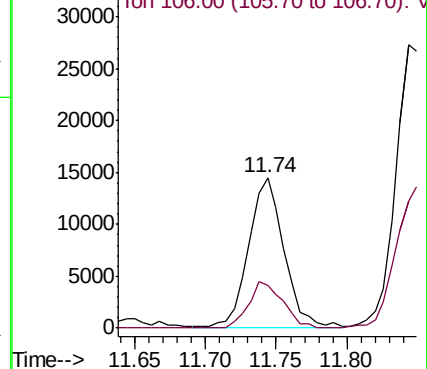
Ion Ratio Lower Upper

91 100

106 29.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 3.043 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066763.D

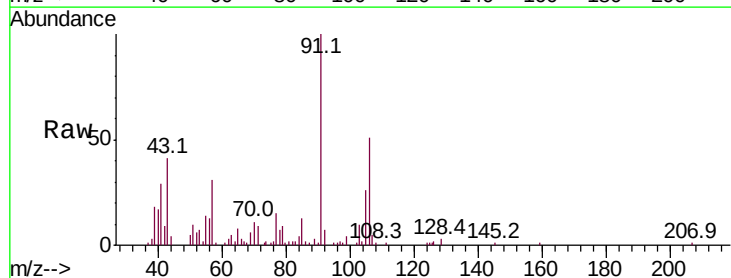
Acq: 18 Sep 2020 13:51

Tgt Ion:106 Resp: 26472

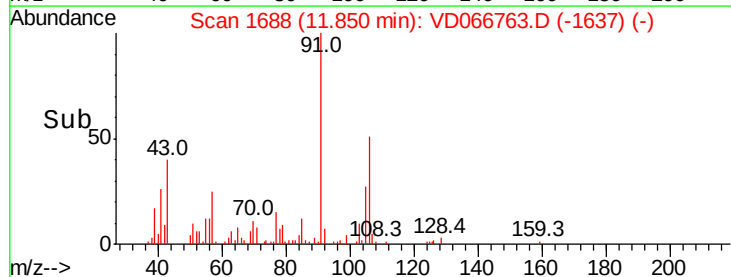
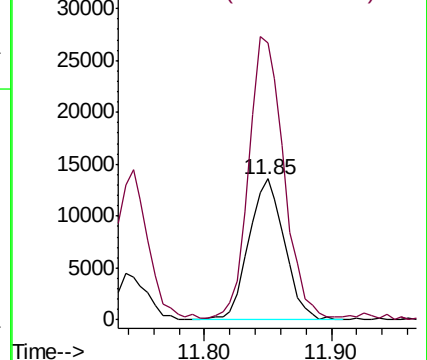
Ion Ratio Lower Upper

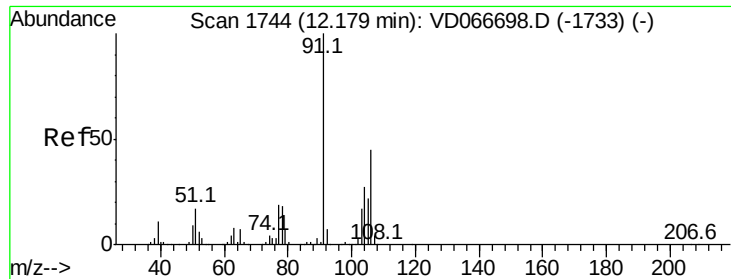
106 100

91 200.0 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

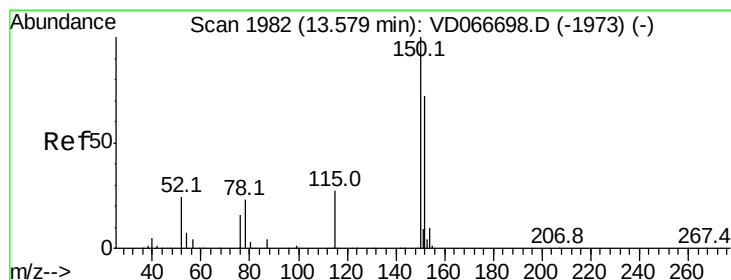
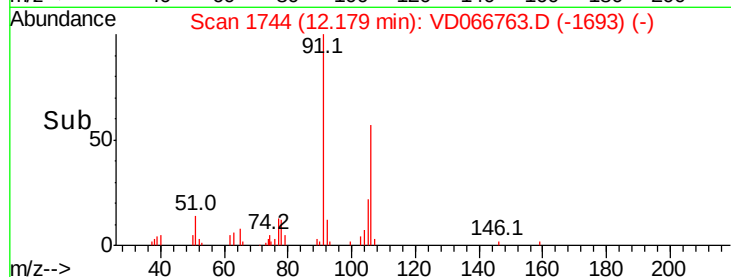
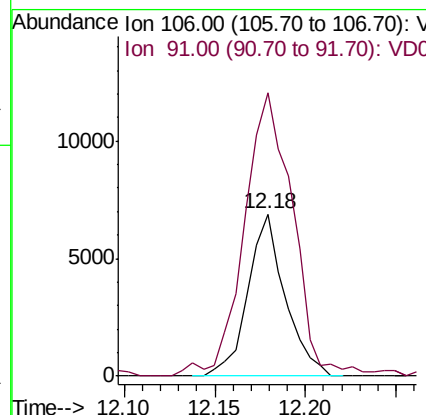
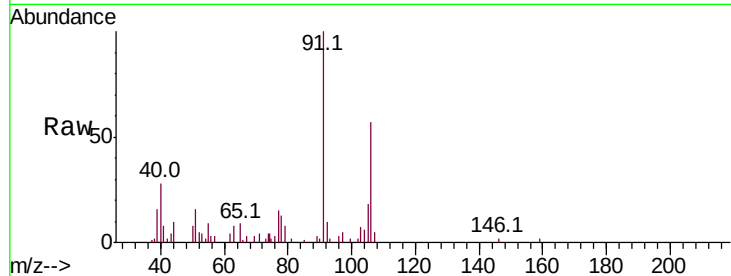




#69
o-Xylene
Concen: 1.277 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

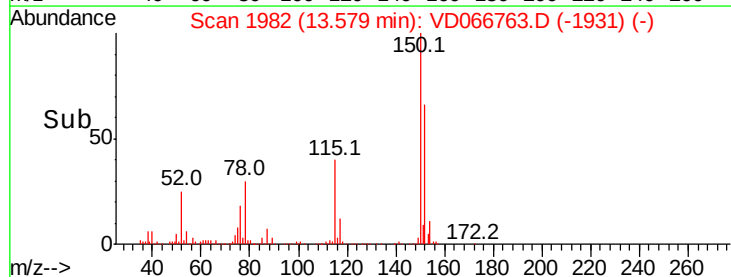
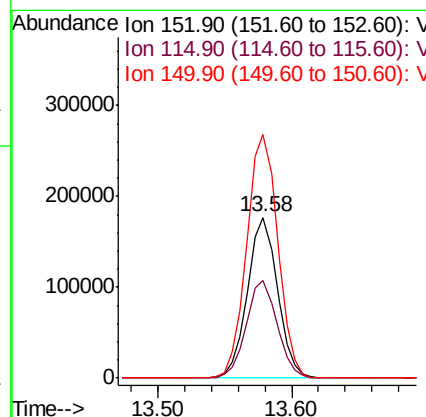
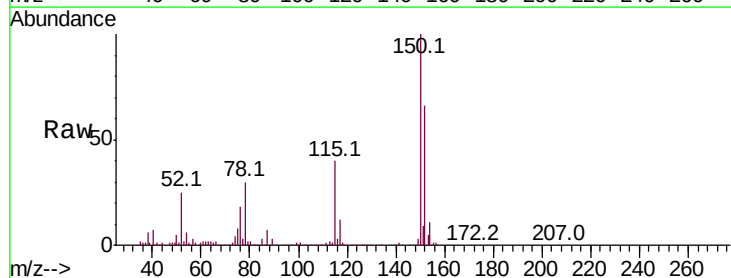
Instrument :
MSVOA_D
ClientSampleId :
TR-05-091720

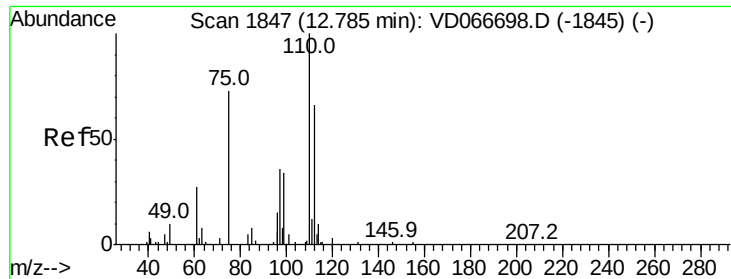
Tot Ion:106 Resp: 9814
Ion Ratio Lower Upper
106 100
91 230.9 109.4 328.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066763.D
Acq: 18 Sep 2020 13:51

Tgt Ion:152 Resp: 275618
Ion Ratio Lower Upper
152 100
115 62.3 30.5 91.5
150 156.2 0.0 344.6

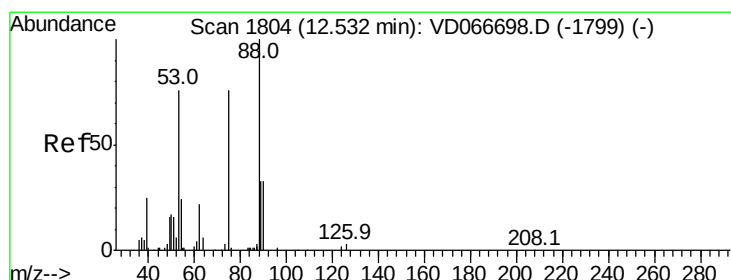
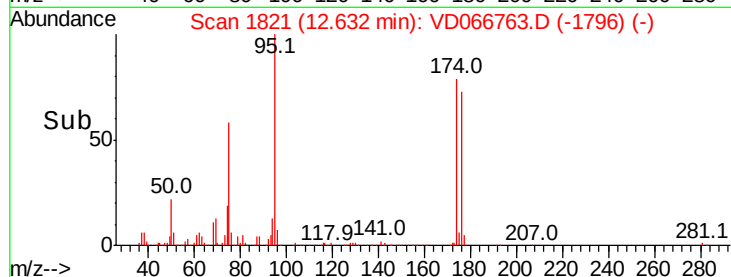
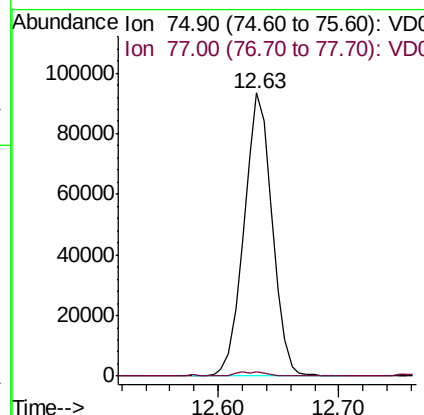
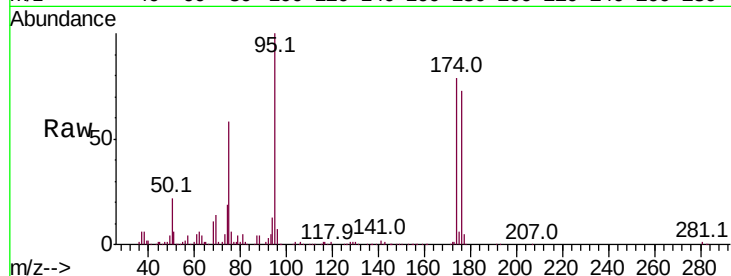




#76
 1,2,3-Trichloropropane
 Concen: 64.400 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066763.D
 Acq: 18 Sep 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-091720

Tot Ion: 75 Resp: 151932
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.987 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066763.D
 Acq: 18 Sep 2020 13:51

Tgt Ion: 75 Resp: 151932
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.2 123.4#
 89 0.1 39.6 59.4#

