

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
 Data File : VD066836.D
 Acq On : 23 Sep 2020 16:06
 Operator : VA/SY
 Sample : L3871-25
 Misc : 9.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-092320

Quant Time: Sep 23 16:26:14 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	7.97	168	866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	2156	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.64	117	4262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4173	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	600	70.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.58%	
35) Dibromofluoromethane	7.90	113	166	12.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	24.20%	
50) Toluene-d8	10.33	98	2961	63.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.72%	
62) 4-Bromofluorobenzene	12.63	95	2150	134.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	268.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.98	85	61	4.848	ug/l #	46
3) Chloromethane	2.20	50	149	18.726	ug/l #	43
4) Vinyl Chloride	2.36	62	60	7.633	ug/l #	41
5) Bromomethane	2.78	94	192	34.750	ug/l #	64
6) Chloroethane	3.05	64	72	14.750	ug/l #	46
8) Diethyl Ether	3.70	74	214	52.215	ug/l	95
12) 1,1-Dichloroethene	4.06	96	56	6.604	ug/l #	1
13) Acrolein	3.67	56	59	94.358	ug/l #	12
14) Allyl chloride	4.64	41	173	13.893	ug/l #	57
16) Acetone	4.16	43	9004	5007.611	ug/l #	71
18) Methyl Acetate	4.50	43	76	16.513	ug/l #	50
19) Methyl tert-butyl Ether	5.51	73	126	6.842	ug/l #	1
20) Methylene Chloride	4.96	84	17013	1977.603	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	68	6.925	ug/l #	1
22) Diisopropyl ether	6.39	45	59	2.304	ug/l #	22
23) Vinyl Acetate	6.29	43	71	7.725	ug/l #	71
25) 2-Butanone	7.21	43	202	93.484	ug/l #	46
27) cis-1,2-Dichloroethene	7.11	96	73	6.843	ug/l #	1
28) Bromochloromethane	7.71	49	2400	339.174	ug/l #	9
30) Chloroform	7.70	83	21195	1147.972	ug/l	91
36) 1,1-Dichloropropene	8.01	75	56	2.618	ug/l #	41
37) Ethyl Acetate	7.24	43	87	11.251	ug/l #	70
40) Benzene	8.34	78	449	7.532	ug/l #	50
41) Methacrylonitrile	7.57	41	54	11.356	ug/l #	100
47) Bromodichloromethane	9.66	83	5776	263.856	ug/l #	94
49) 1,4-Dioxane	9.45	88	1141	13660.565	ug/l #	85
51) 4-Methyl-2-Pentanone	10.22	43	523	69.237	ug/l #	52
52) Toluene	10.39	92	148	3.854	ug/l #	67
53) t-1,3-Dichloropropene	10.73	75	78	4.186	ug/l #	44
59) 2-Hexanone	10.98	43	77	15.116	ug/l #	25
60) Dibromochloromethane	11.14	129	1762	120.514	ug/l	91
67) Ethyl Benzene	11.74	91	158	1.014	ug/l #	43
74) N-amyl acetate	12.20	43	79	1.342	ug/l #	41
76) 1,2,3-Trichloropropane	12.63	75	1225	35.423	ug/l #	100

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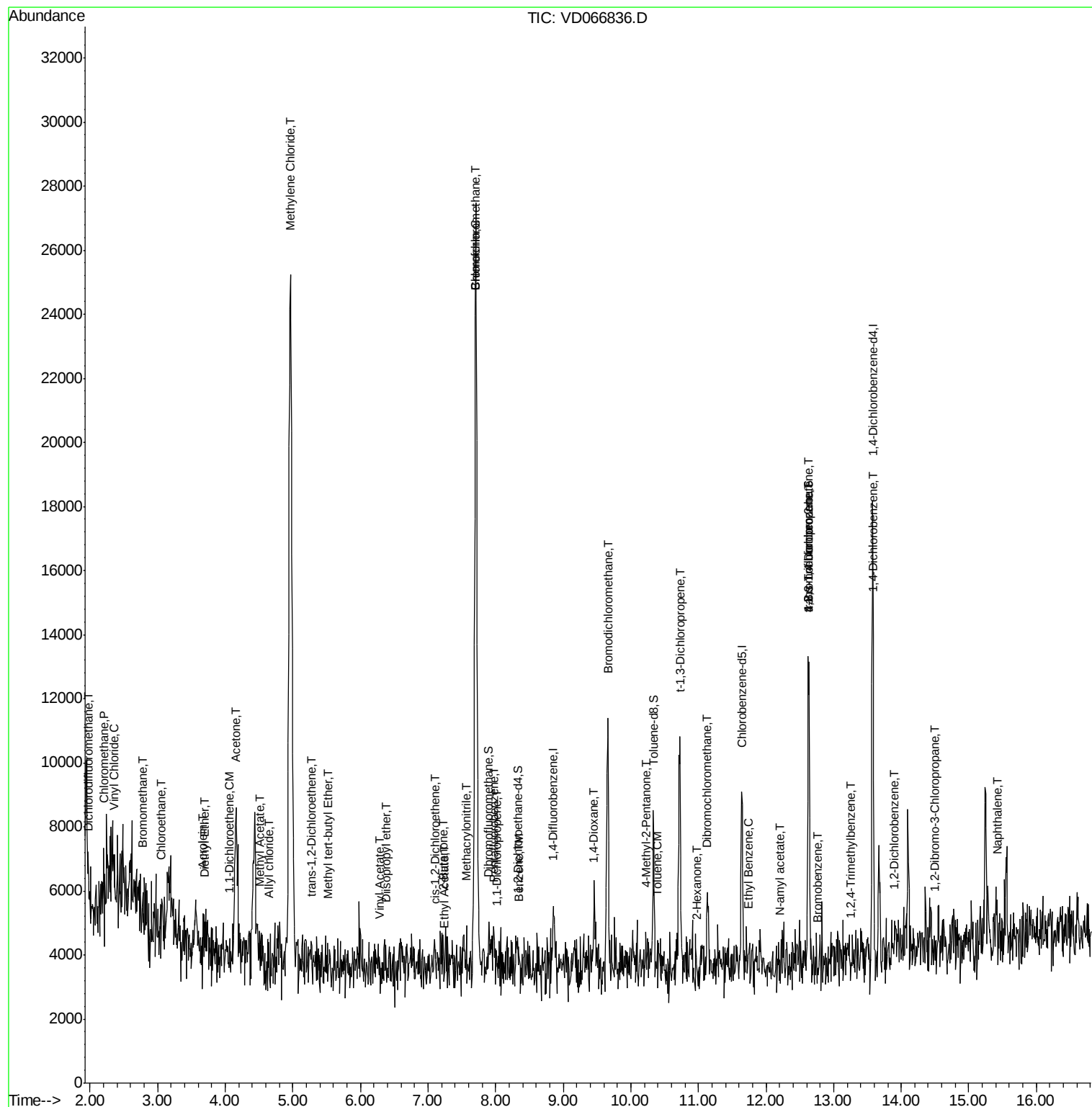
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Bromobenzene	12.76	156	222	3.149	ug/l #	33
81) trans-1,4-Dichloro-2-buten	12.63	75	1225	88.624	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	372	1.467	ug/l #	31
88) 1,4-Dichlorobenzene	13.59	146	481	3.477	ug/l #	48
91) 1,2-Dichlorobenzene	13.89	146	176	1.477	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	14.50	75	53	6.334	ug/l #	3
95) Naphthalene	15.41	128	1430	11.228	ug/l #	80

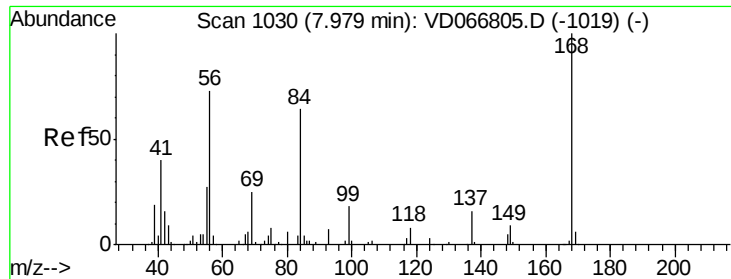
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

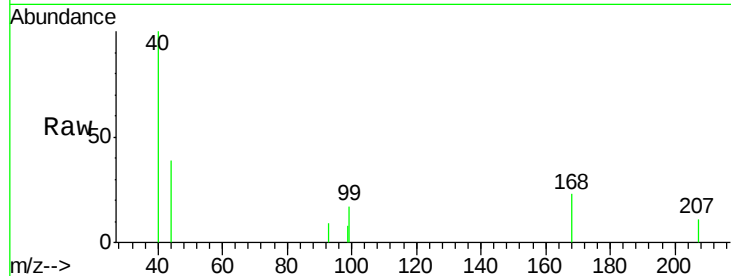
TR-04-092320

Tgt Ion:168 Resp: 866

Ion Ratio Lower Upper

168 100

99 108.0 46.6 69.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

600

400

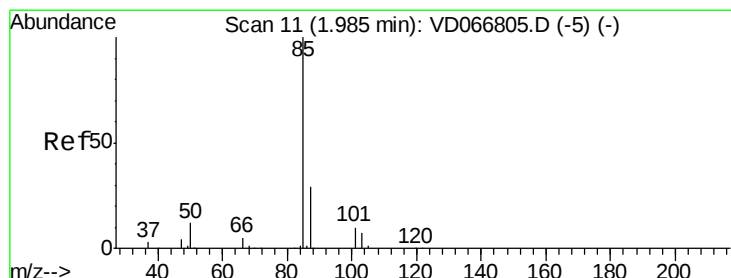
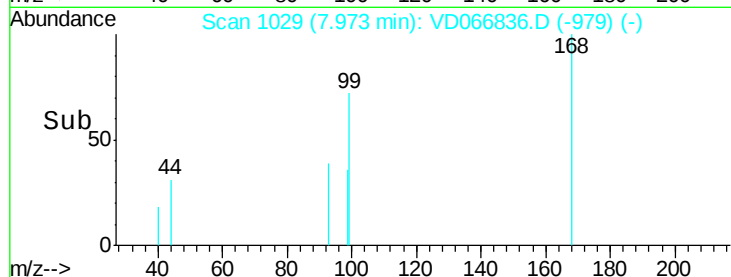
200

0

7.95

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 4.848 ug/l

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066836.D

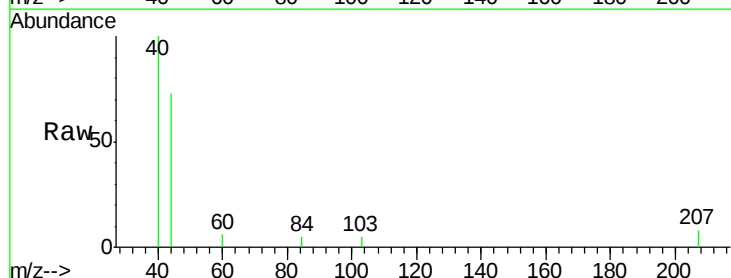
Acq: 23 Sep 2020 16:06

Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

200

150

100

50

0

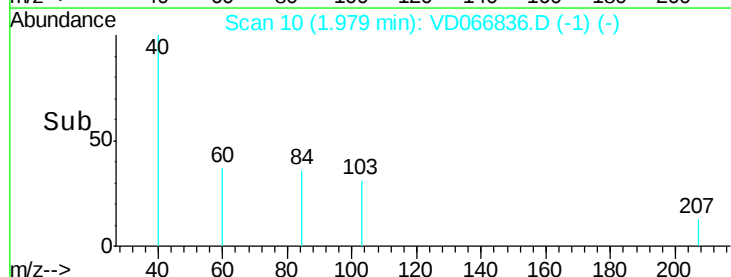
1.96

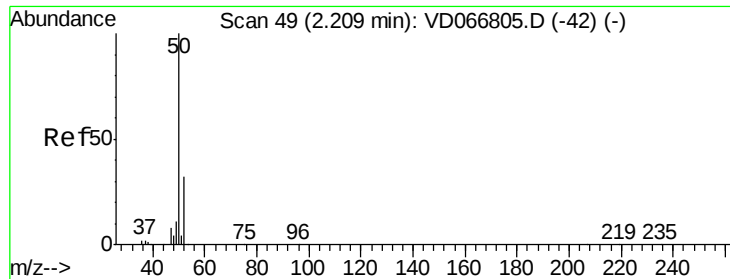
1.97

1.98

1.99

Time-->





#3

Chloromethane

Concen: 18.726 ug/l

RT: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

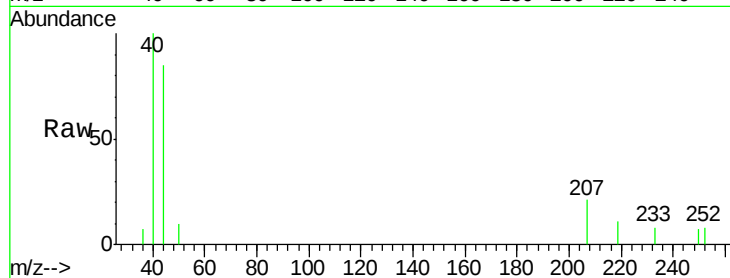
TR-04-092320

Tgt Ion: 50 Resp: 149

Ion Ratio Lower Upper

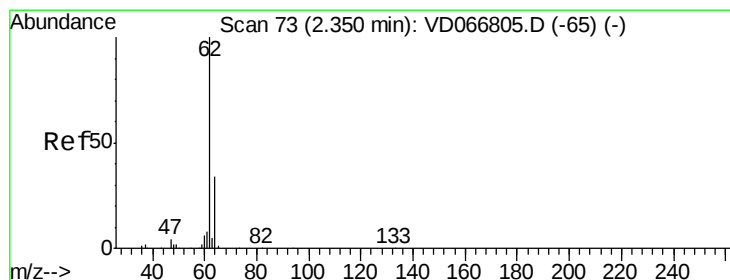
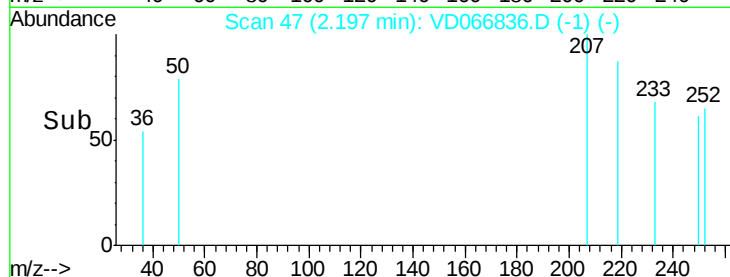
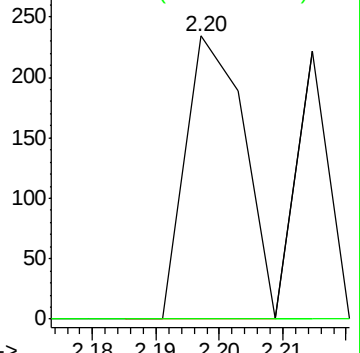
50 100

52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 7.633 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD066836.D

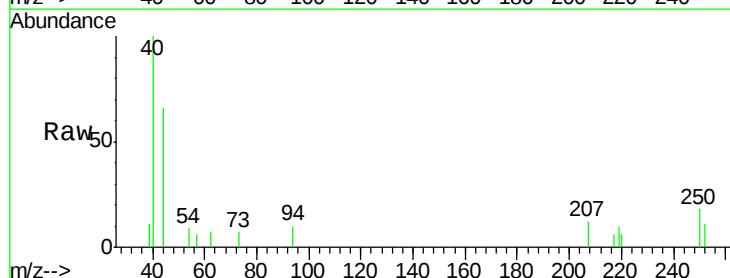
Acq: 23 Sep 2020 16:06

Tgt Ion: 62 Resp: 60

Ion Ratio Lower Upper

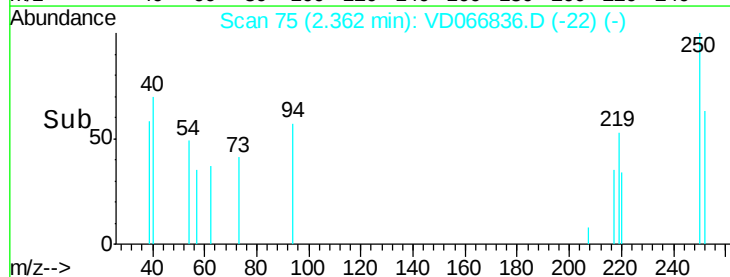
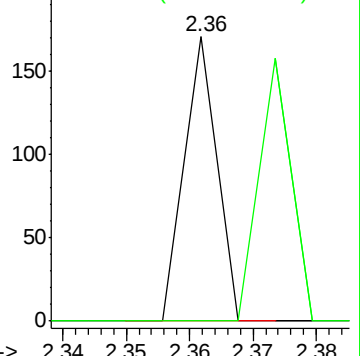
62 100

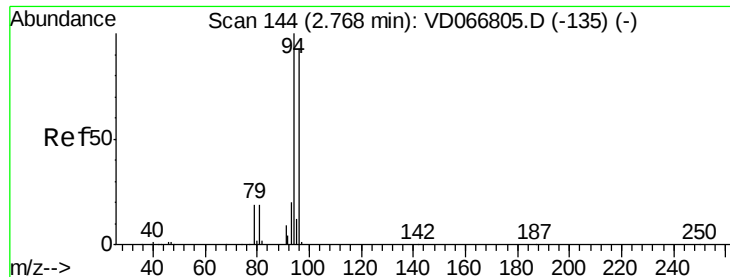
64 0.0 27.0 40.4#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 34.750 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

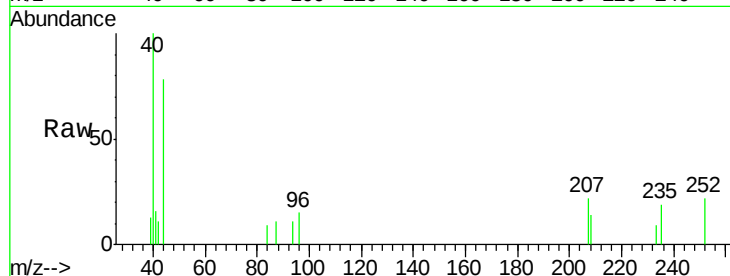
TR-04-092320

Tgt Ion: 94 Resp: 192

Ion Ratio Lower Upper

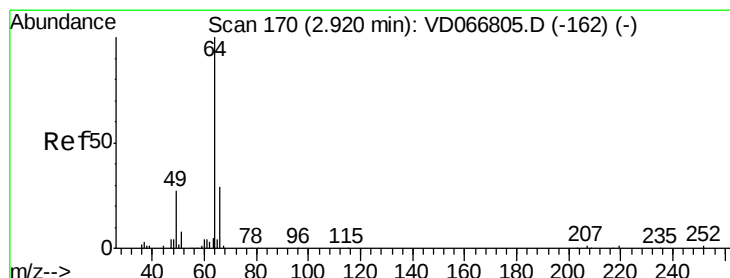
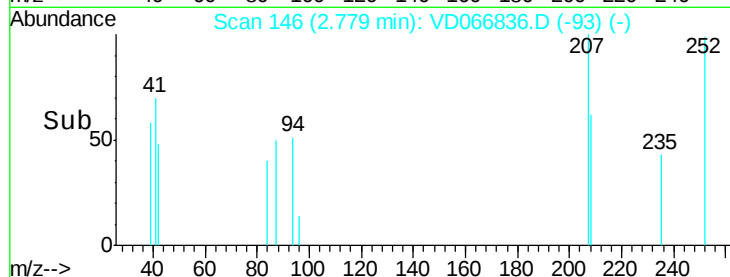
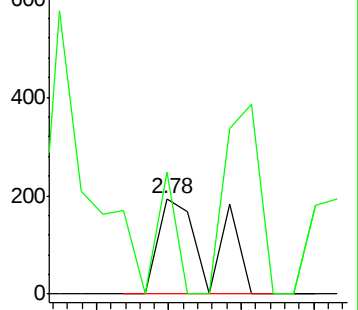
94 100

96 127.8 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 14.750 ug/l

RT: 3.05 min Scan# 192

Delta R.T. 0.13 min

Lab File: VD066836.D

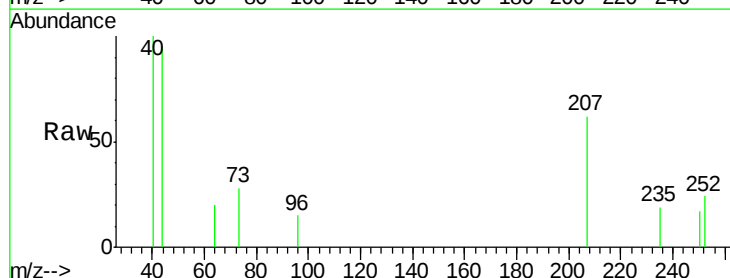
Acq: 23 Sep 2020 16:06

Tgt Ion: 64 Resp: 72

Ion Ratio Lower Upper

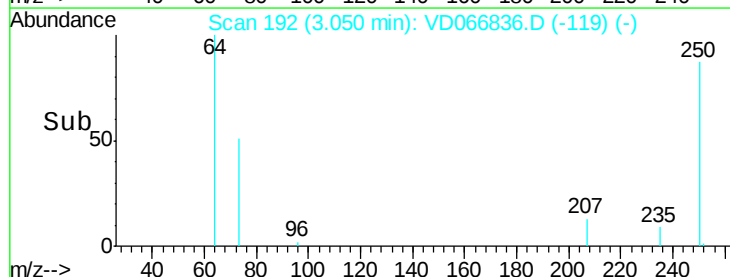
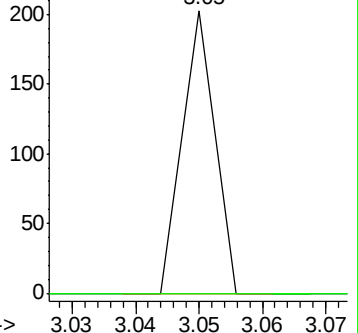
64 100

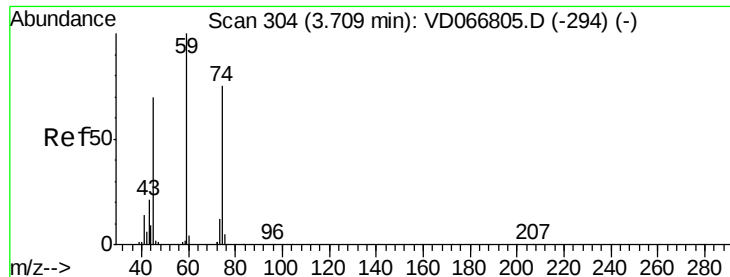
66 0.0 23.3 34.9#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#8

Diethyl Ether

Concen: 52.215 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

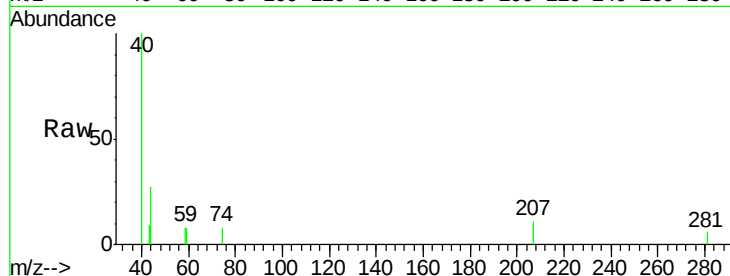
TR-04-092320

Tgt Ion: 74 Resp: 214

Ion Ratio Lower Upper

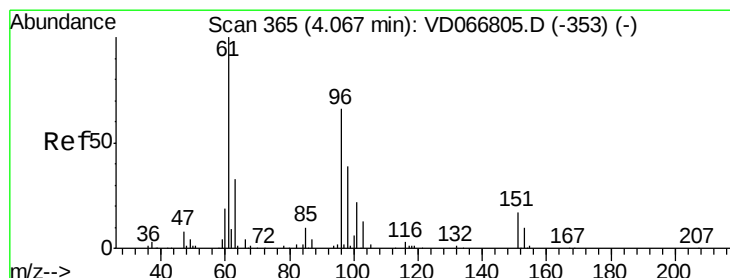
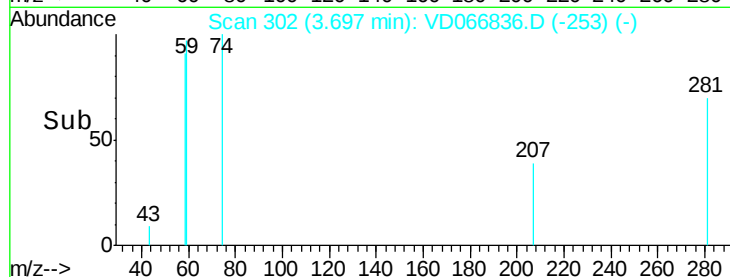
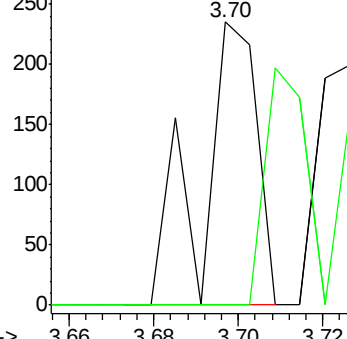
74 100

45 87.4 46.0 138.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#12

1,1-Dichloroethene

Concen: 6.604 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

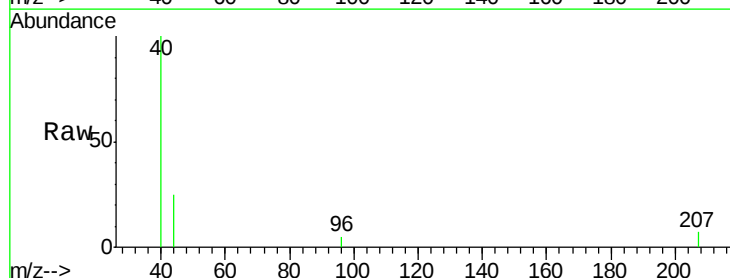
Tgt Ion: 96 Resp: 56

Ion Ratio Lower Upper

96 100

61 0.0 120.8 181.2#

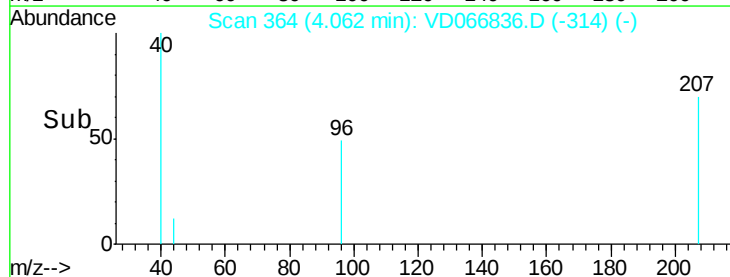
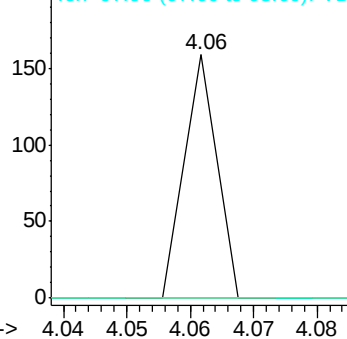
98 0.0 47.7 71.5#

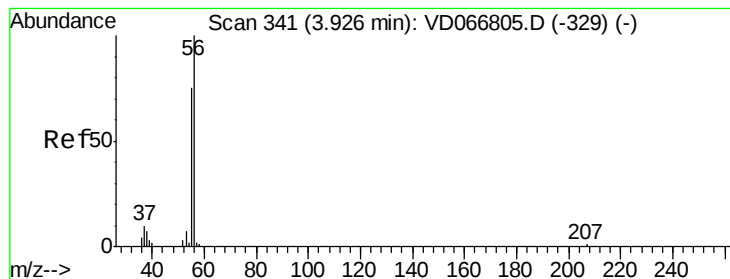


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 94.358 ug/l

RT: 3.67 min Scan# 297

Delta R.T. -0.26 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

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ClientSampleId :

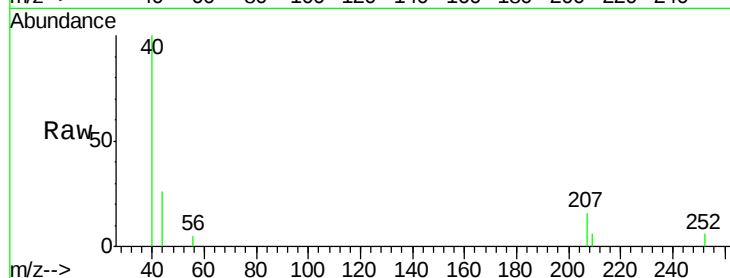
TR-04-092320

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

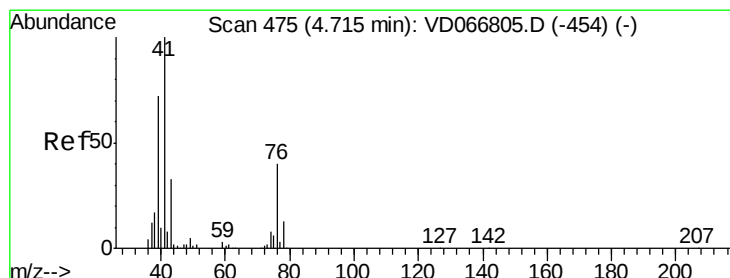
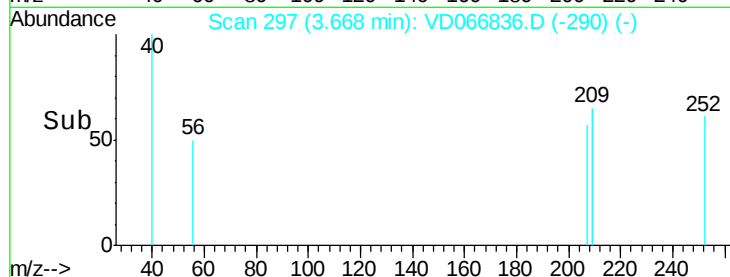
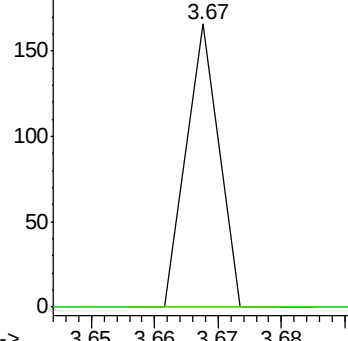
56 100

55 0.0 60.3 90.5#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 13.893 ug/l

RT: 4.64 min Scan# 463

Delta R.T. -0.07 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

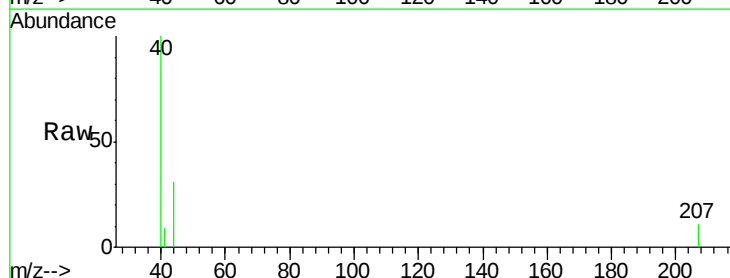
Tgt Ion: 41 Resp: 173

Ion Ratio Lower Upper

41 100

39 45.1 57.8 86.8#

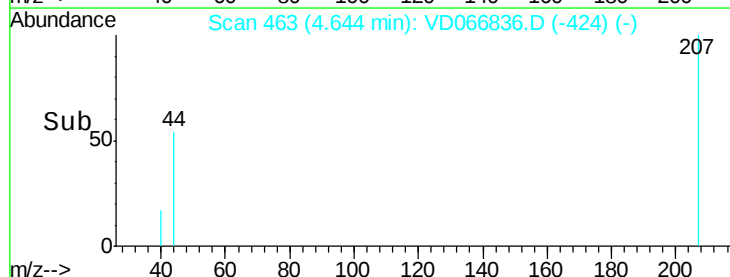
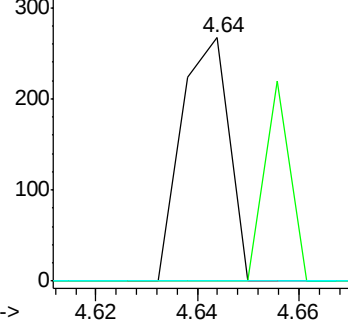
76 0.0 30.9 46.3#

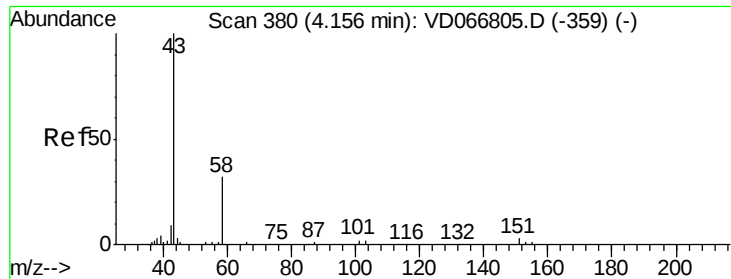


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#16

Acetone

Concen: 5007.611 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

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MSVOA_D

ClientSampleId :

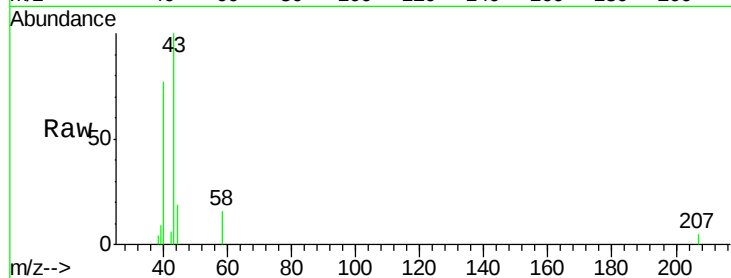
TR-04-092320

Tgt Ion: 43 Resp: 9004

Ion Ratio Lower Upper

43 100

58 15.8 25.6 38.4#



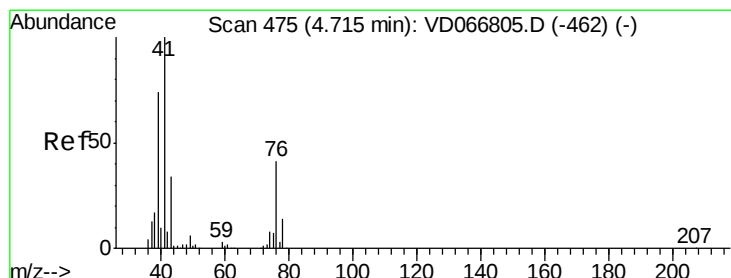
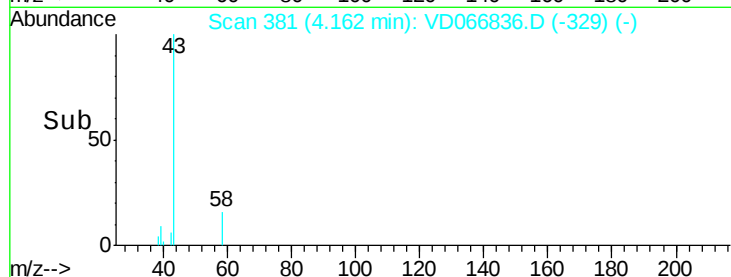
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 16.513 ug/l

RT: 4.50 min Scan# 439

Delta R.T. -0.21 min

Lab File: VD066836.D

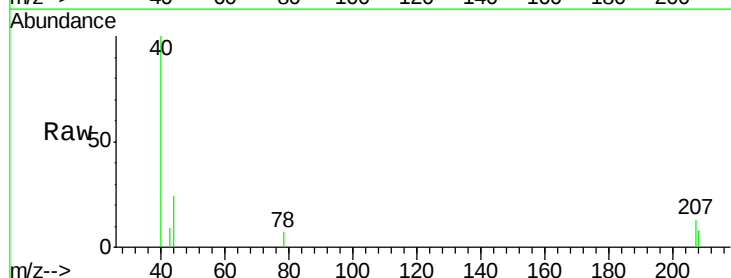
Acq: 23 Sep 2020 16:06

Tgt Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#



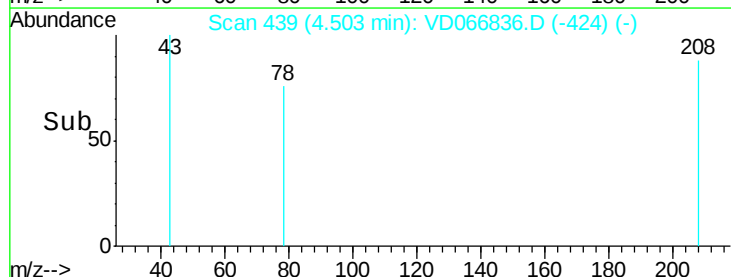
Abundance Ion 43.00 (42.70 to 43.70): VDC

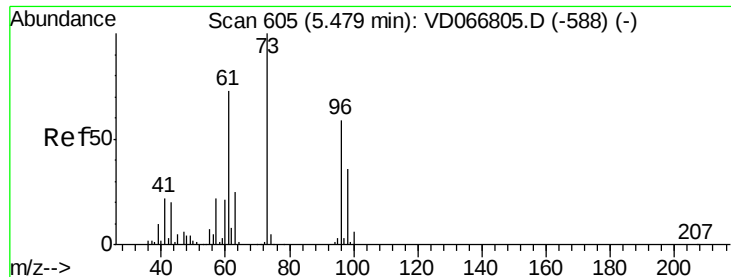
Ion 74.00 (73.70 to 74.70): VDC

4.50

4.49 4.51 4.52

Time-->

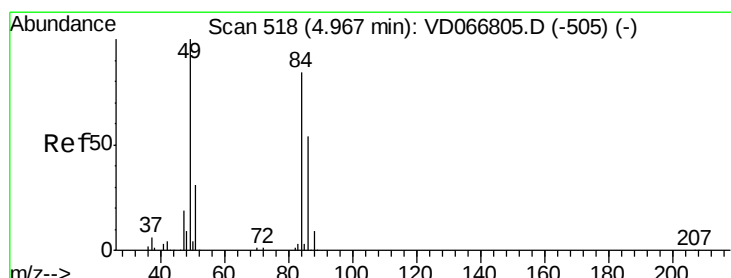
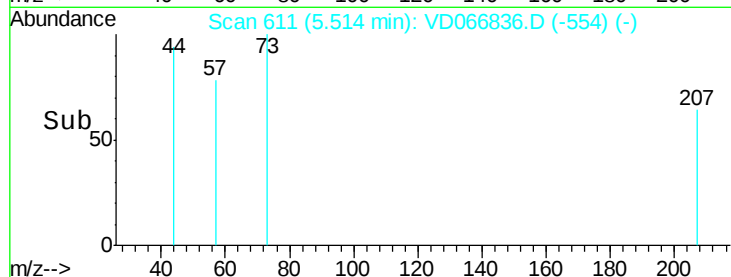
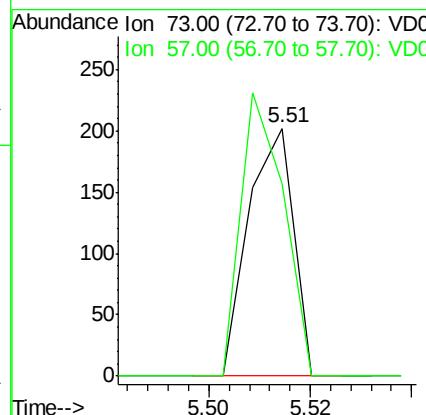
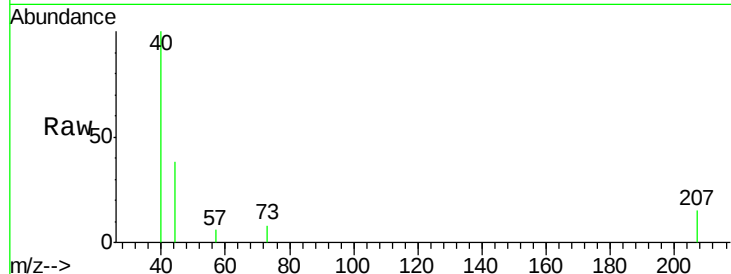




#19
Methyl tert-butyl Ether
Concen: 6.842 ug/l
RT: 5.51 min Scan# 611
Delta R.T. 0.04 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

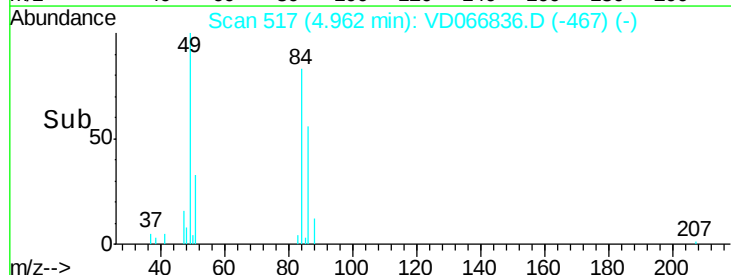
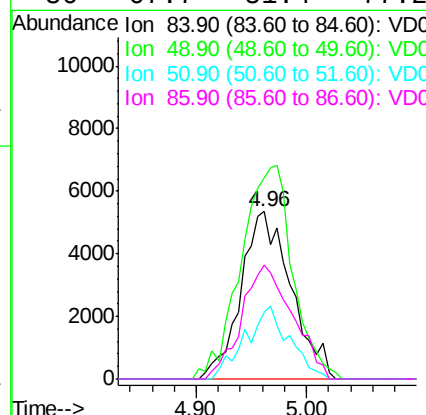
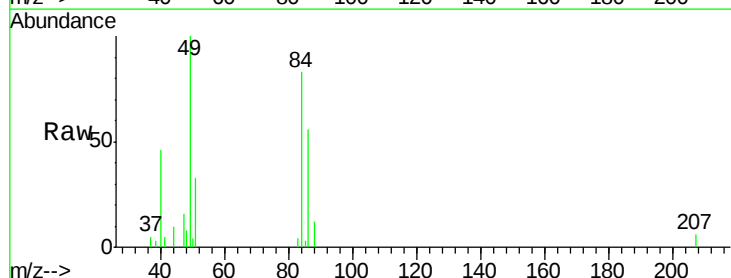
Instrument :
MSVOA_D
ClientSampleId :
TR-04-092320

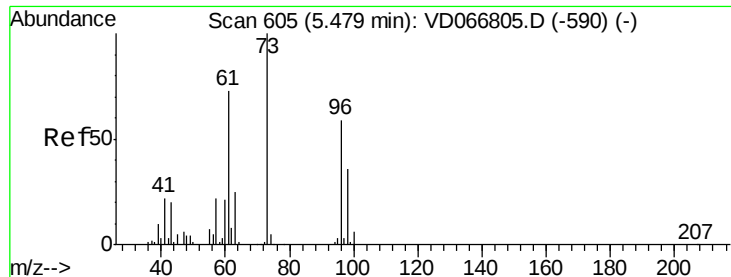
Tgt Ion: 73 Resp: 126
Ion Ratio Lower Upper
73 100
57 77.7 17.4 26.2#



#20
Methylene Chloride
Concen: 1977.603 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

Tgt Ion: 84 Resp: 17013
Ion Ratio Lower Upper
84 100
49 120.3 95.4 143.2
51 39.9 29.7 44.5
86 67.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 6.925 ug/l

RT: 5.27 min Scan# 570

Delta R.T. -0.21 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-092320

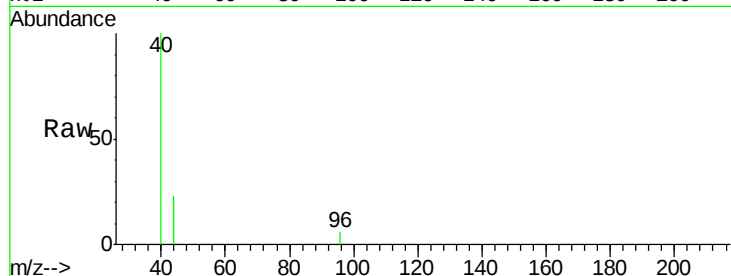
Tgt Ion: 96 Resp: 68

Ion Ratio Lower Upper

96 100

61 0.0 98.9 148.3#

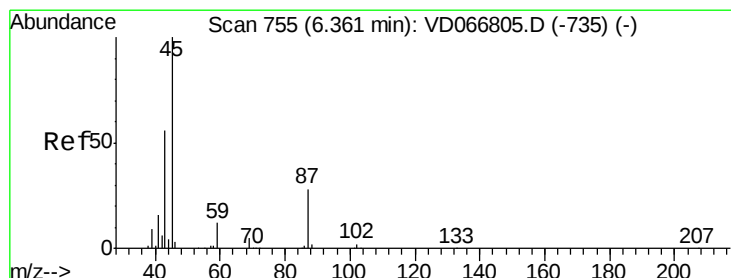
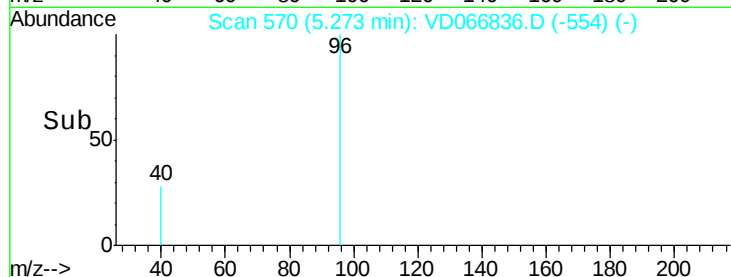
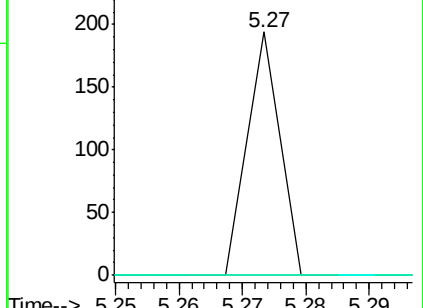
98 0.0 48.4 72.6#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 2.304 ug/l

RT: 6.39 min Scan# 760

Delta R.T. 0.03 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Tgt Ion: 45 Resp: 59

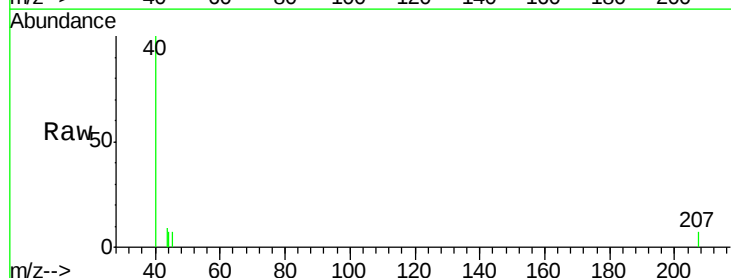
Ion Ratio Lower Upper

45 100

43 128.7 44.5 66.7#

87 0.0 22.9 34.3#

59 0.0 9.4 14.0#

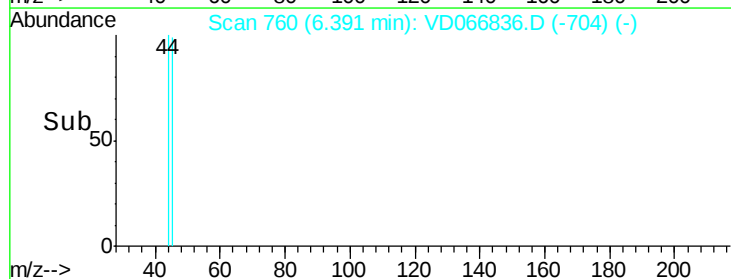
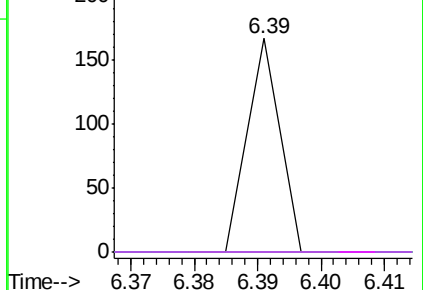


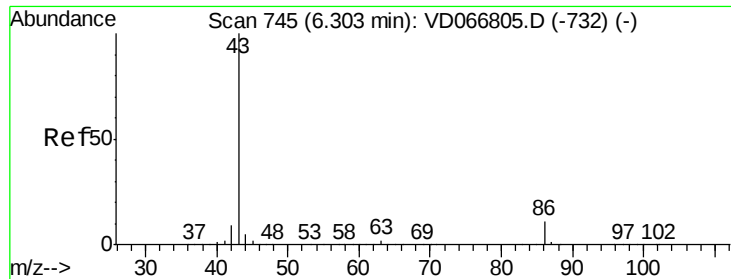
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

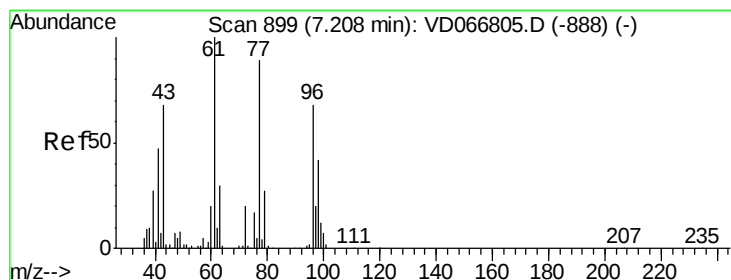
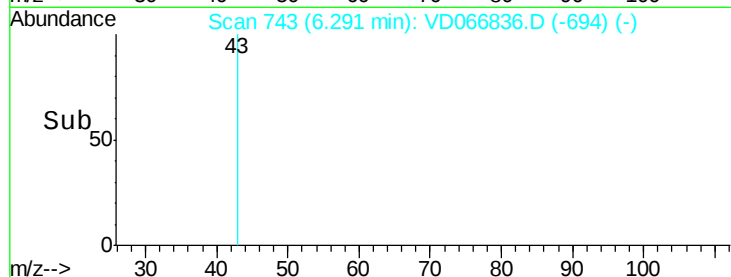
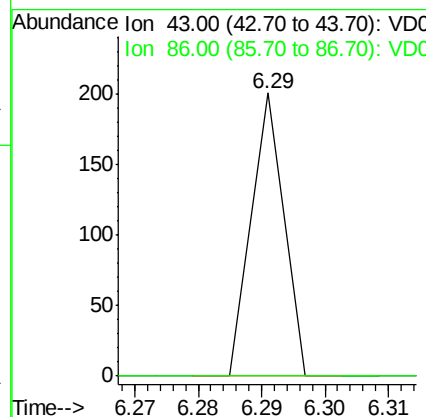
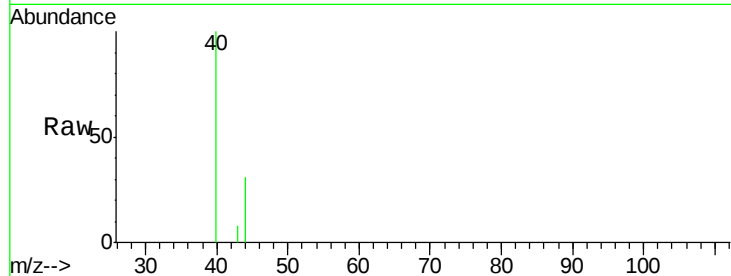




#23
 Vinyl Acetate
 Concen: 7.725 ug/l
 RT: 6.29 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: VD066836.D
 Acq: 23 Sep 2020 16:06

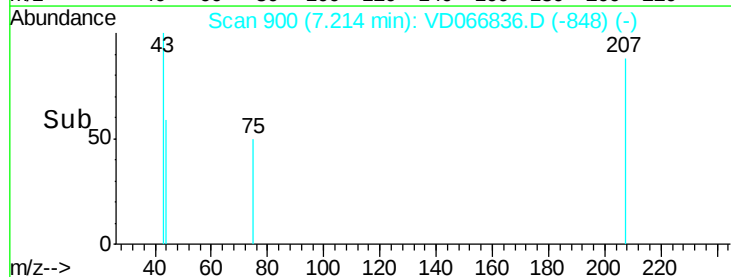
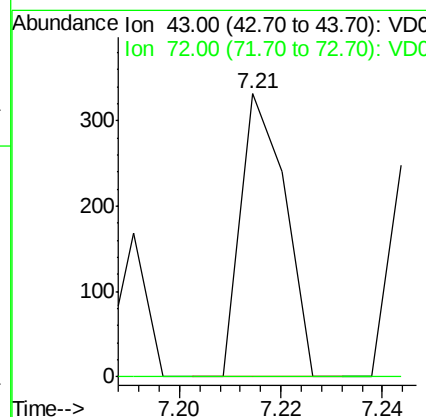
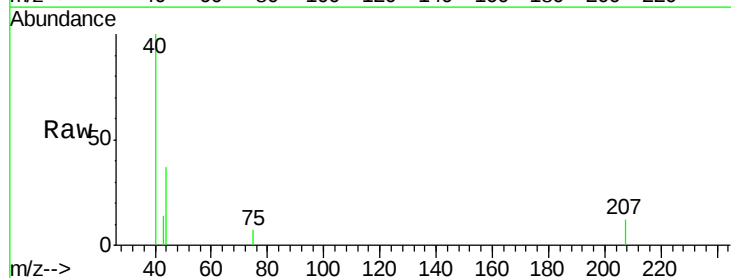
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-092320

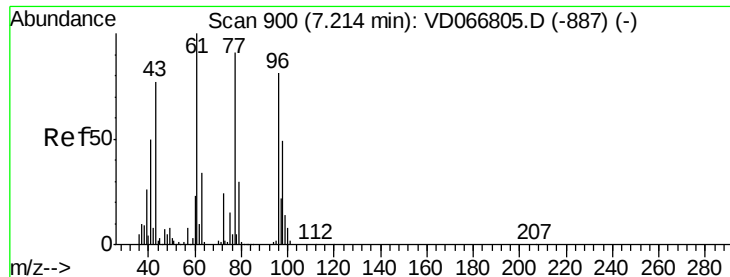
Tgt Ion: 43 Resp: 71
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 93.484 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066836.D
 Acq: 23 Sep 2020 16:06

Tgt Ion: 43 Resp: 202
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.9 34.3#



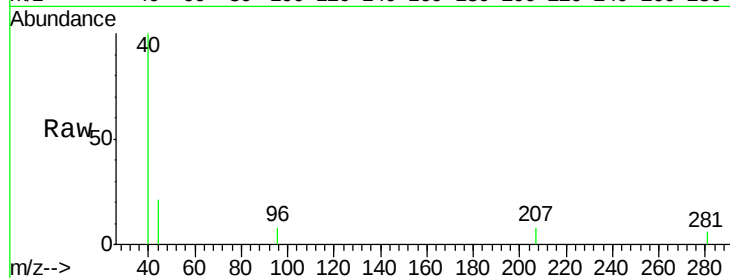


#27

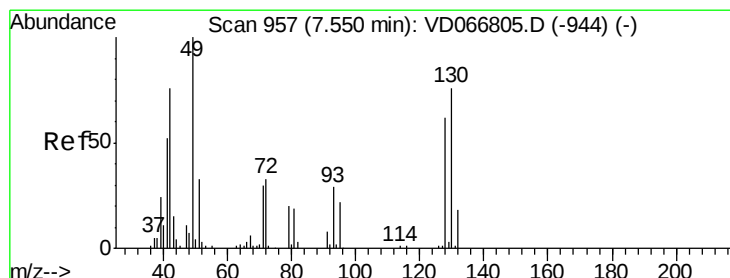
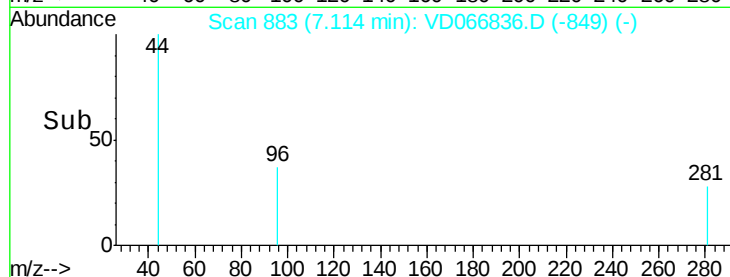
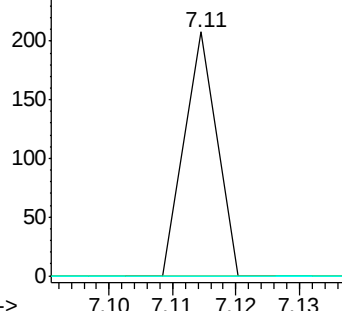
cis-1,2-Dichloroethene
 Concen: 6.843 ug/l
 RT: 7.11 min Scan# 883
 Delta R.T. -0.10 min
 Lab File: VD066836.D
 Acq: 23 Sep 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-092320

Tgt Ion: 96 Resp: 73
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 283.8
 98 0.0 0.0 128.4



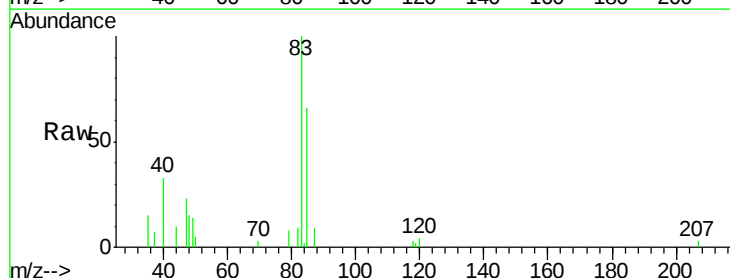
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



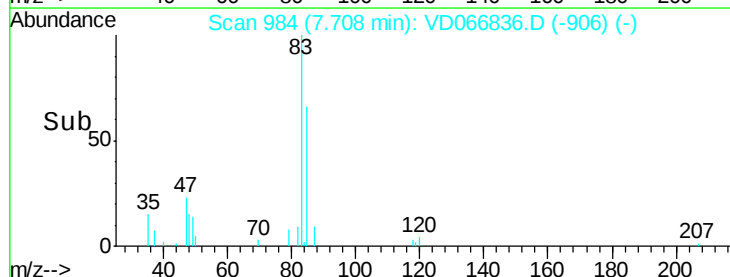
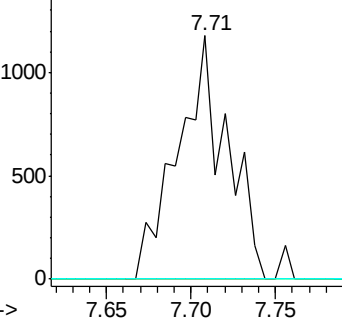
#28

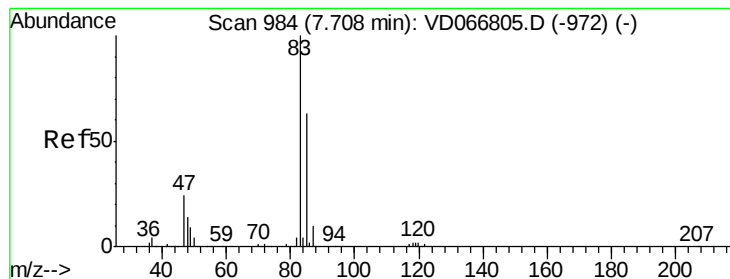
Bromochloromethane
 Concen: 339.174 ug/l
 RT: 7.71 min Scan# 984
 Delta R.T. 0.16 min
 Lab File: VD066836.D
 Acq: 23 Sep 2020 16:06

Tgt Ion: 49 Resp: 2400
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.0
 130 0.0 65.9 98.9#



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#30

Chloroform

Concen: 1147.972 ug/l

RT: 7.70 min Scan# 983

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

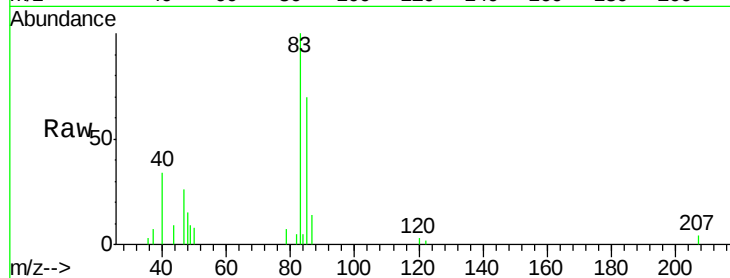
TR-04-092320

Tgt Ion: 83 Resp: 21195

Ion Ratio Lower Upper

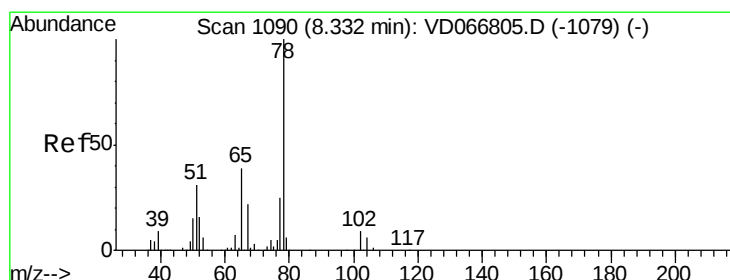
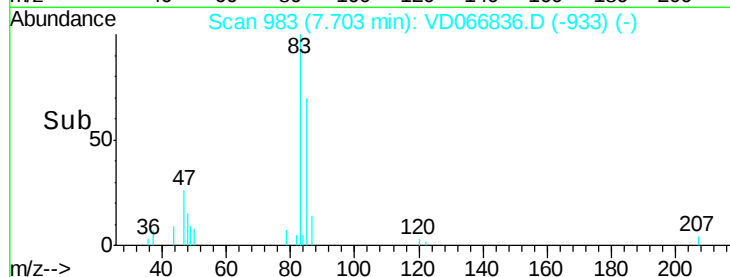
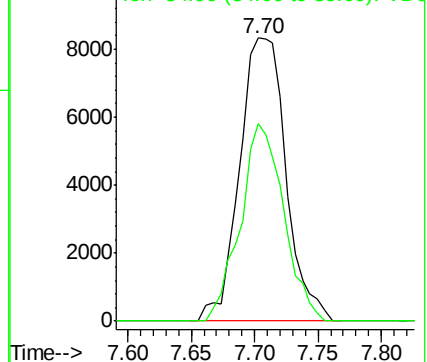
83 100

85 70.0 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 70.788 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066836.D

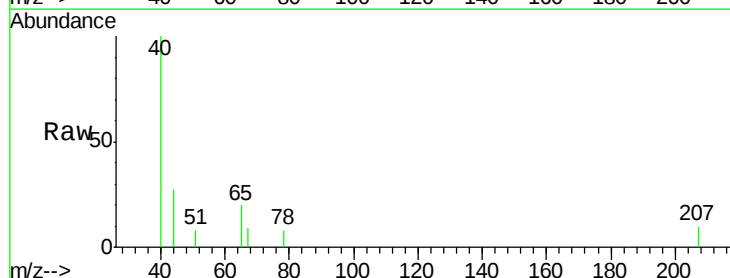
Acq: 23 Sep 2020 16:06

Tgt Ion: 65 Resp: 600

Ion Ratio Lower Upper

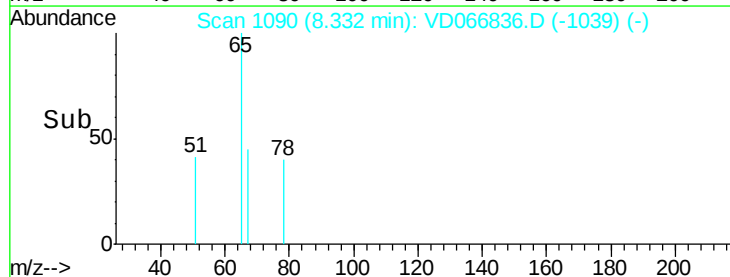
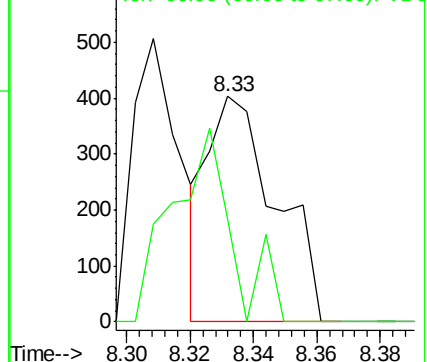
65 100

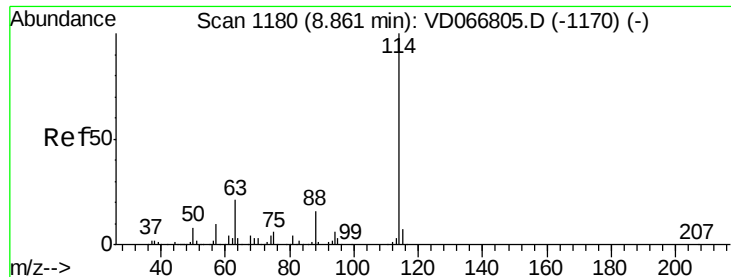
67 76.2 0.0 107.2



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: 8.85 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-092320

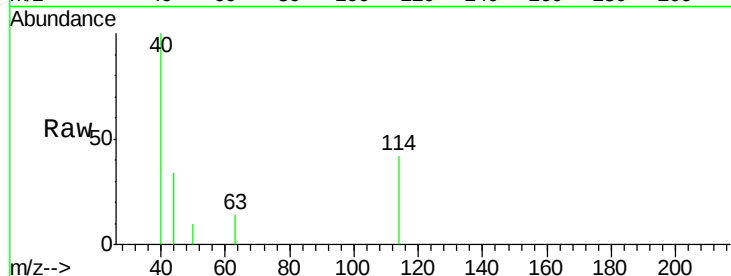
Tgt Ion:114 Resp: 2156

Ion Ratio Lower Upper

114 100

63 32.8 0.0 42.6

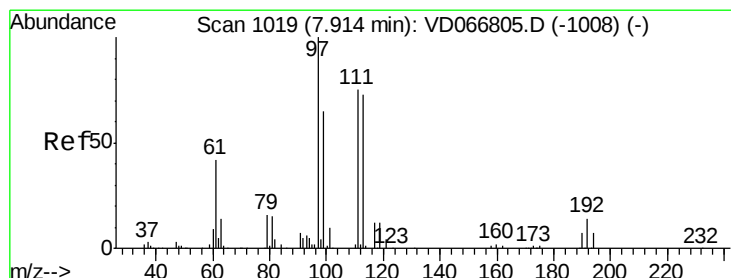
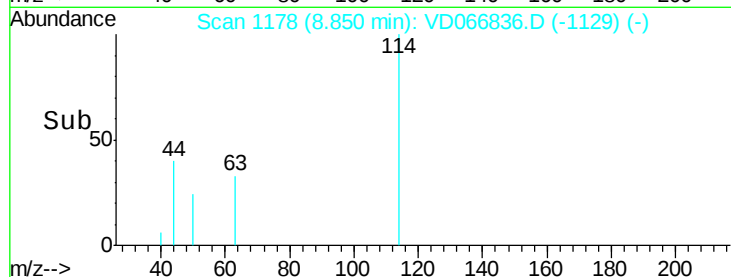
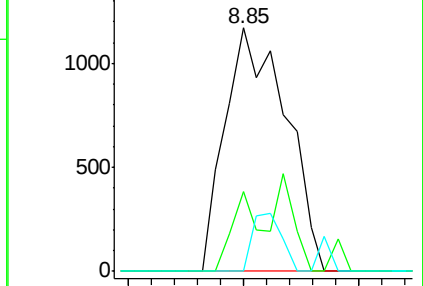
88 0.0 0.0 32.6



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: 12.102 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

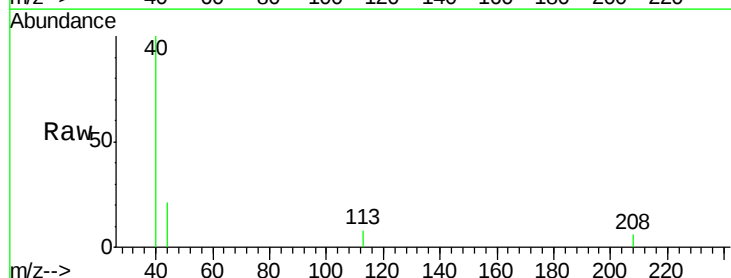
Tgt Ion:113 Resp: 166

Ion Ratio Lower Upper

113 100

111 310.8 81.8 122.8#

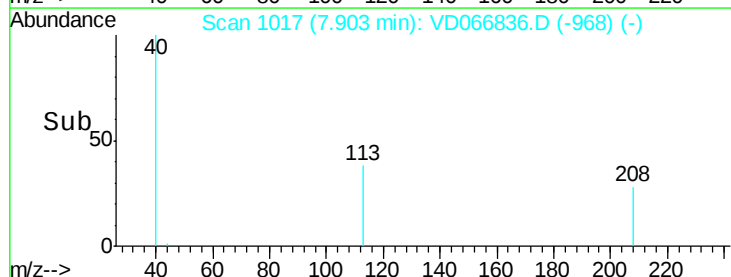
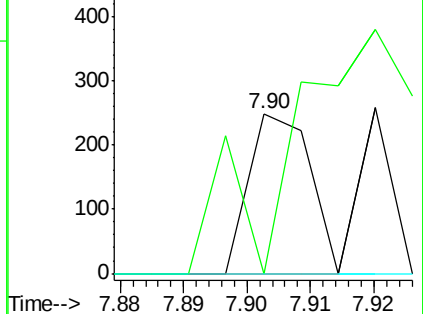
192 0.0 14.4 21.6#

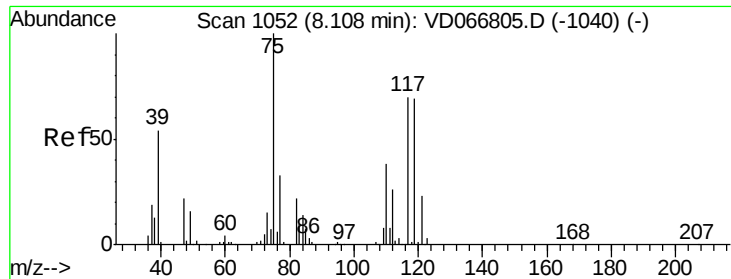


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 2.618 ug/l

RT: 8.01 min Scan# 1036

Delta R.T. -0.09 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-092320

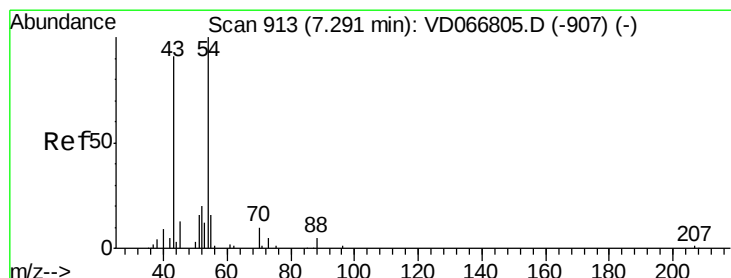
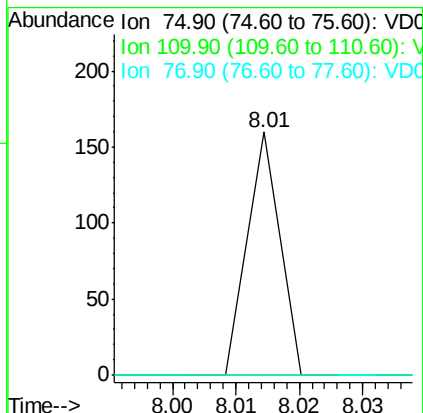
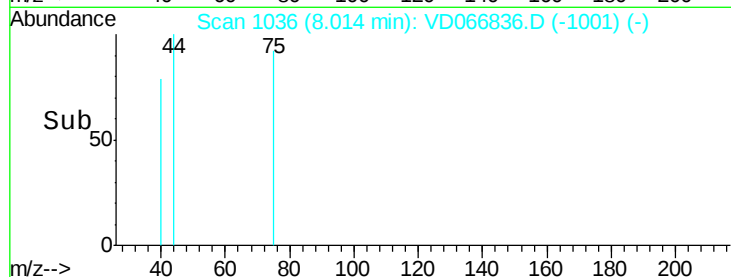
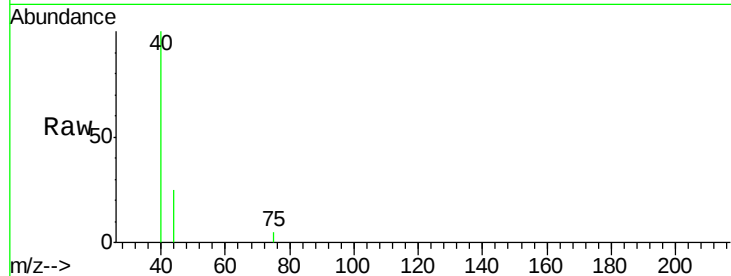
Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

110 0.0 17.9 53.8#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 11.251 ug/l

RT: 7.24 min Scan# 905

Delta R.T. -0.05 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

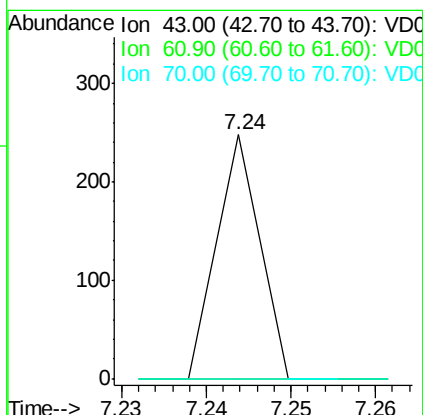
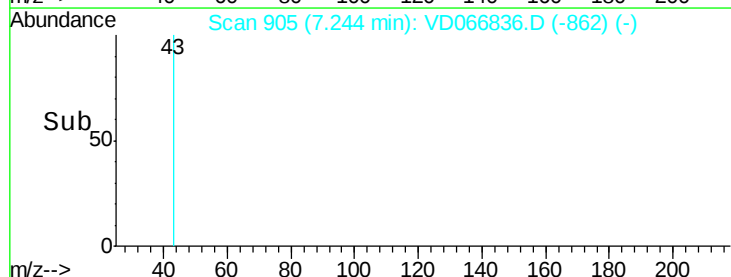
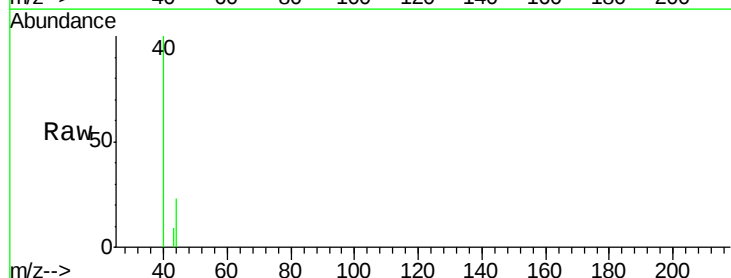
Tgt Ion: 43 Resp: 87

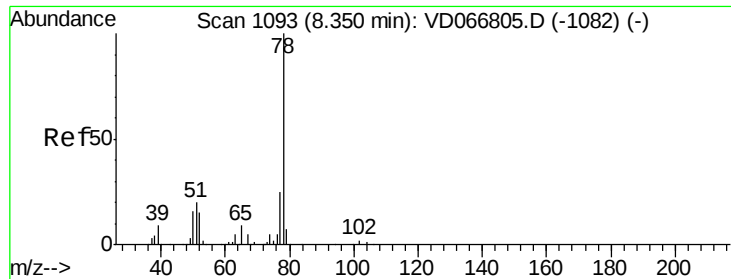
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 8.5 12.7#





#40

Benzene

Concen: 7.532 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

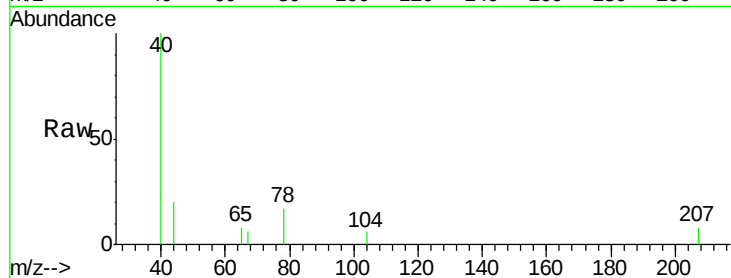
TR-04-092320

Tgt Ion: 78 Resp: 449

Ion Ratio Lower Upper

78 100

77 0.0 19.9 29.9#



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

8.34

400

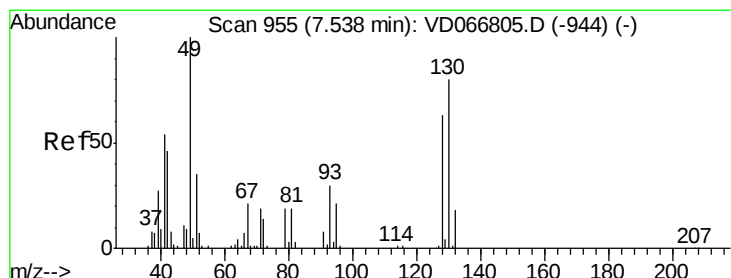
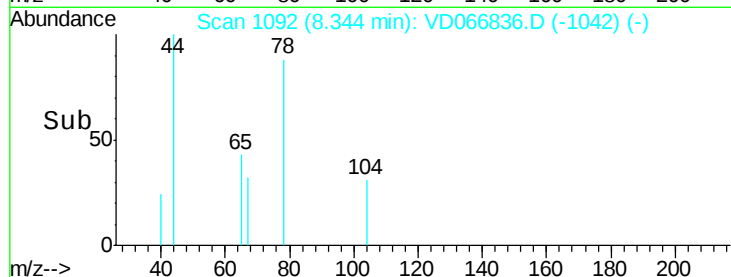
300

200

100

0

Time--> 8.30 8.32 8.34 8.36



#41

Methacrylonitrile

Concen: 11.356 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.04 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Tgt Ion: 41 Resp: 54

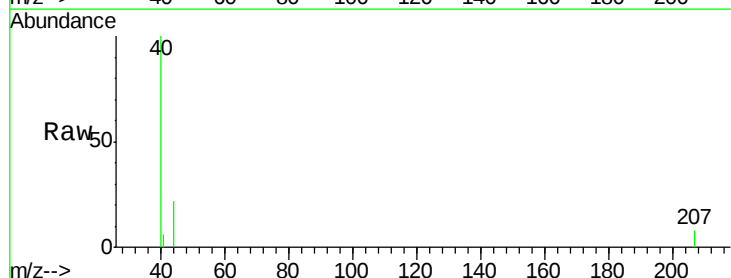
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

300

250

200

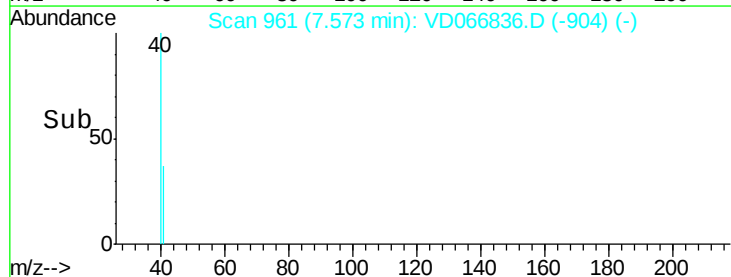
150

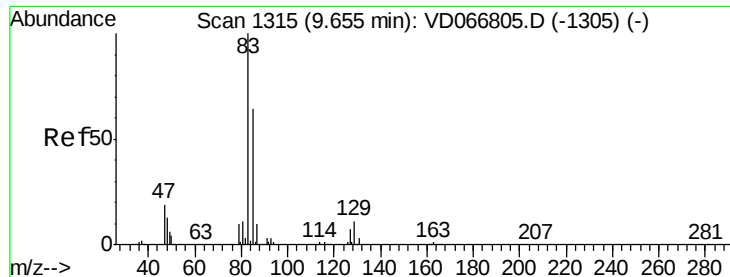
100

50

0

Time--> 7.55 7.56 7.57 7.58 7.59





#47

Bromodichloromethane

Concen: 263.856 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-092320

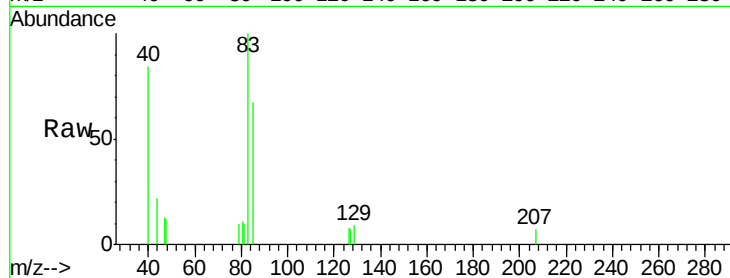
Tgt Ion: 83 Resp: 5776

Ion Ratio Lower Upper

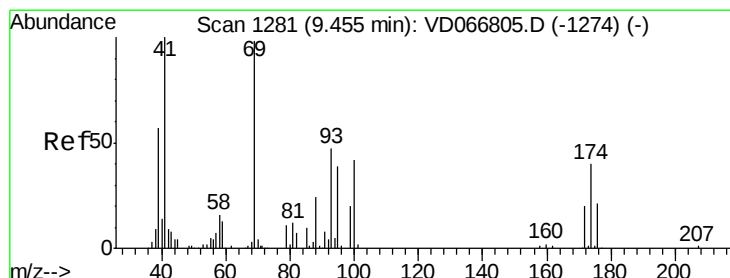
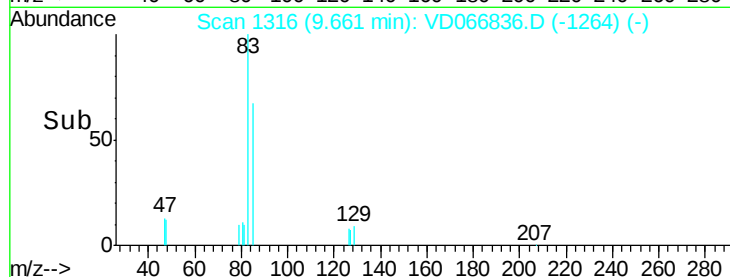
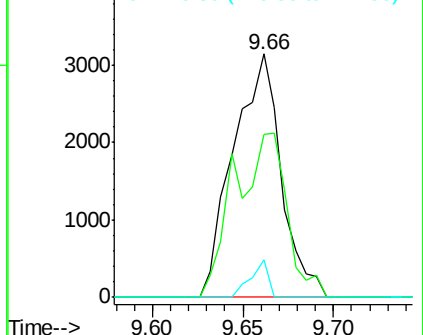
83 100

85 67.0 50.9 76.3

127 15.5 5.9 8.9#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#49

1,4-Dioxane

Concen: 13660.565 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

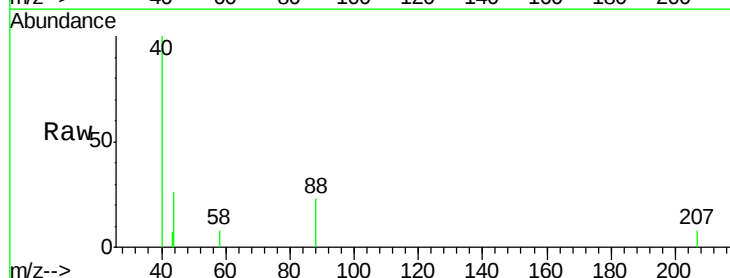
Tgt Ion: 88 Resp: 1141

Ion Ratio Lower Upper

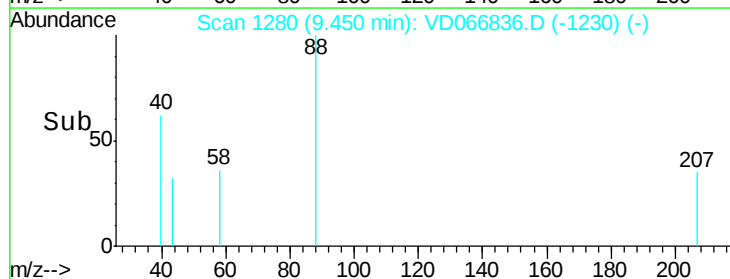
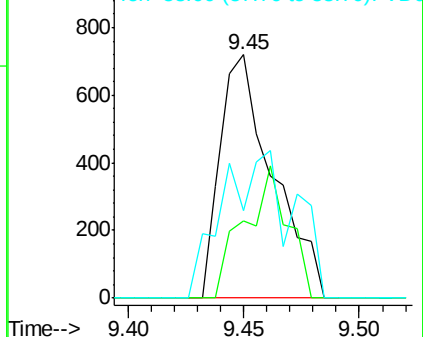
88 100

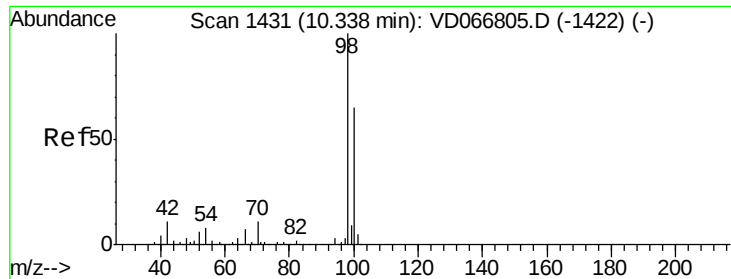
43 44.9 27.7 41.5#

58 80.5 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

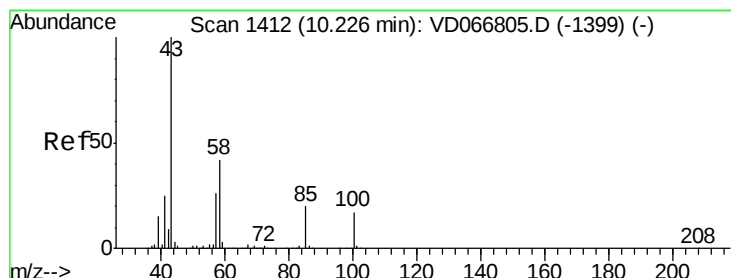
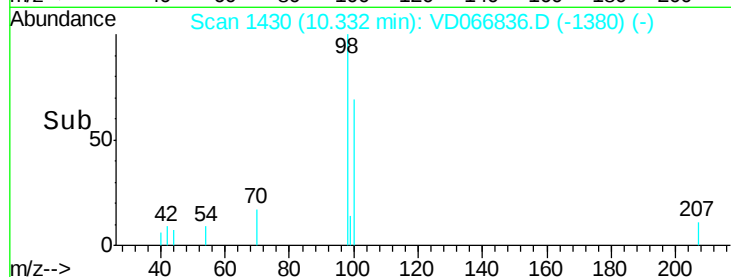
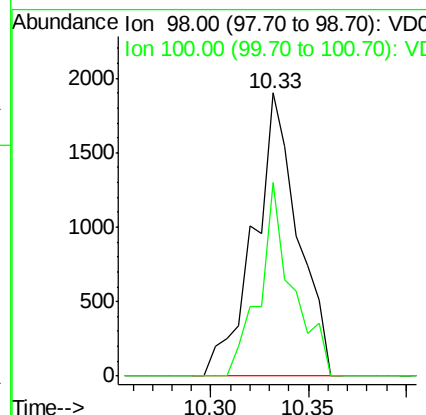
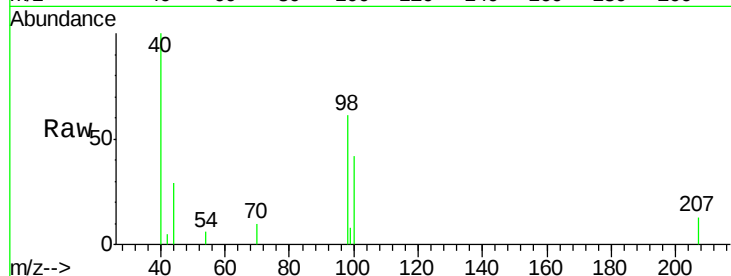




#50
Toluene-d8
Concen: 63.358 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

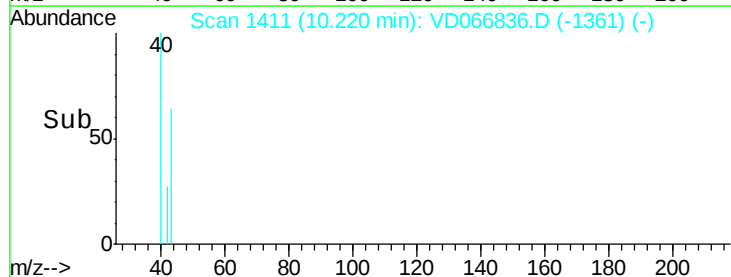
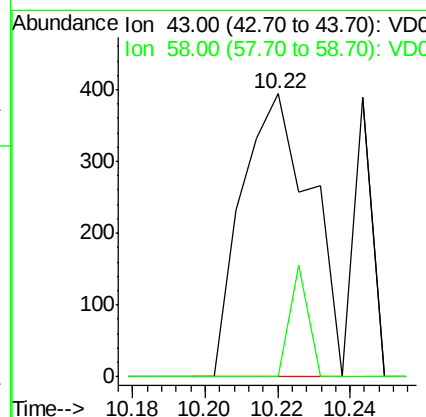
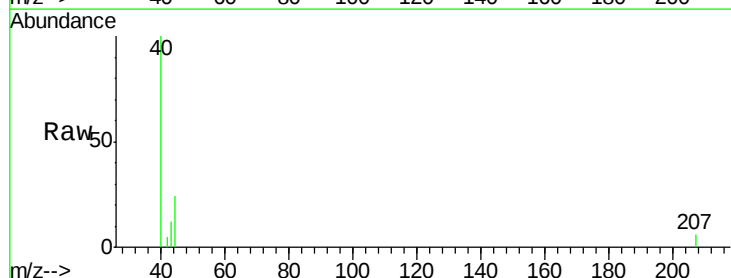
Instrument :
MSVOA_D
ClientSampleId :
TR-04-092320

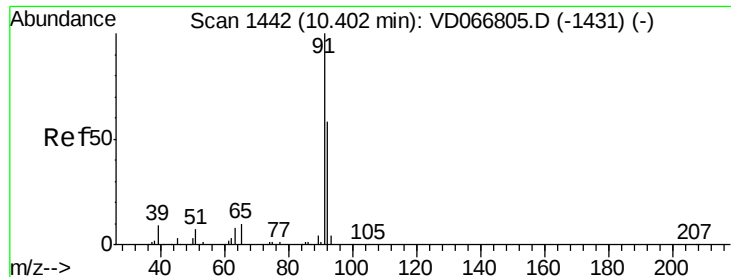
Tgt Ion: 98 Resp: 2961
Ion Ratio Lower Upper
98 100
100 51.2 52.2 78.2#



#51
4-Methyl-2-Pentanone
Concen: 69.237 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
58 10.5 32.2 48.4#





#52

Toluene

Concen: 3.854 ug/l

RT: 10.39 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

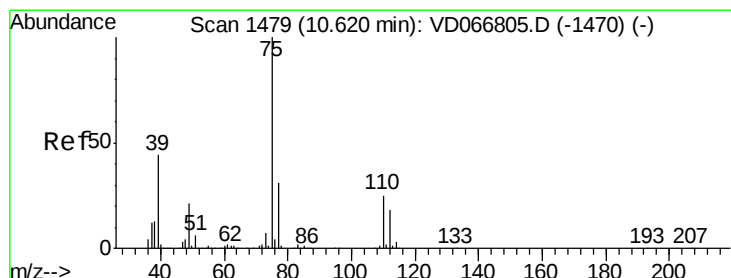
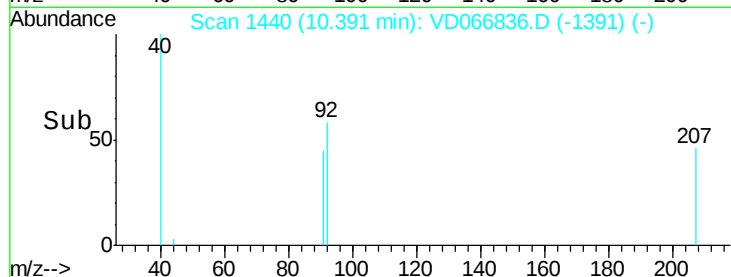
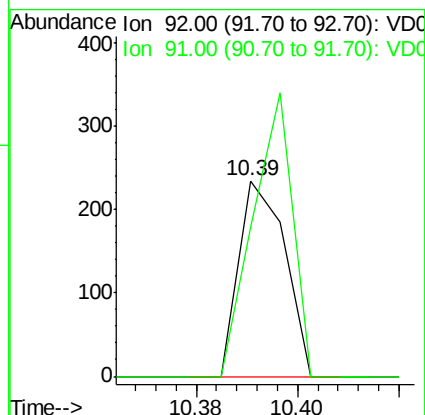
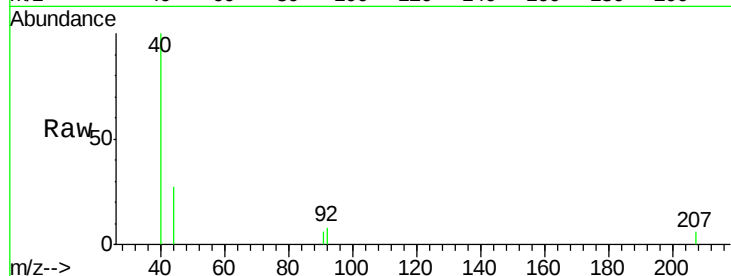
TR-04-092320

Tgt Ion: 92 Resp: 148

Ion Ratio Lower Upper

92 100

91 123.6 134.6 202.0#



#53

t-1,3-Dichloropropene

Concen: 4.186 ug/l

RT: 10.73 min Scan# 1497

Delta R.T. 0.11 min

Lab File: VD066836.D

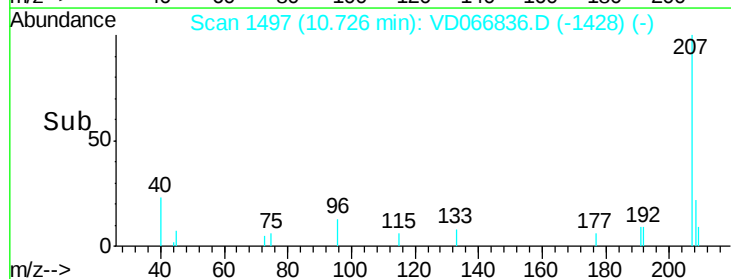
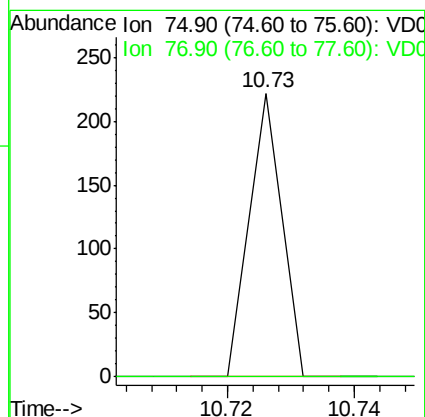
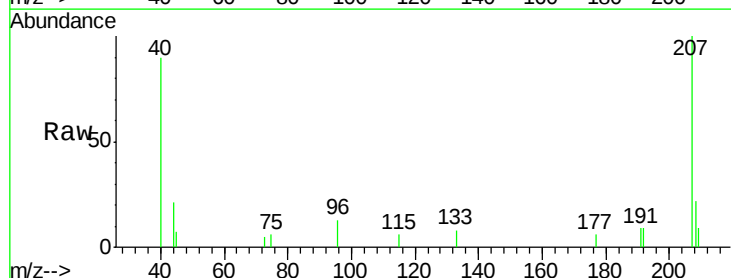
Acq: 23 Sep 2020 16:06

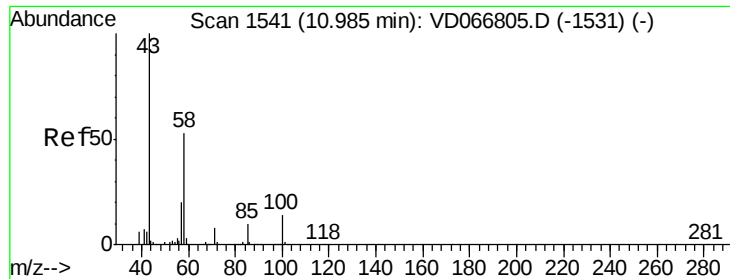
Tgt Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#

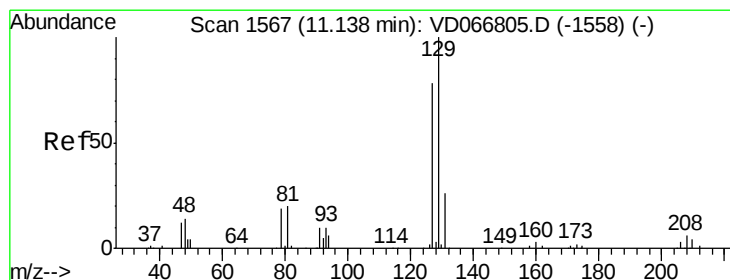
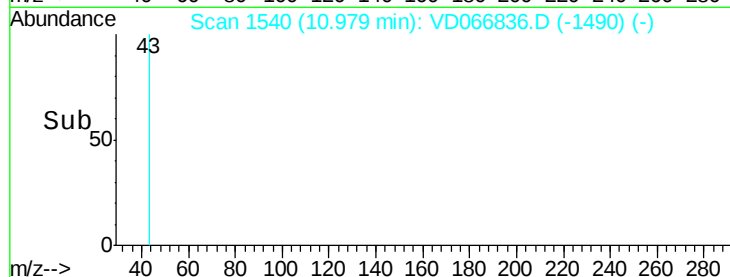
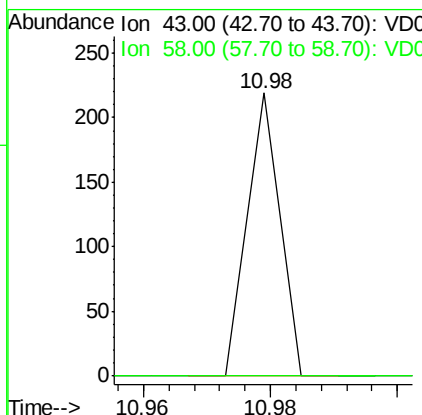
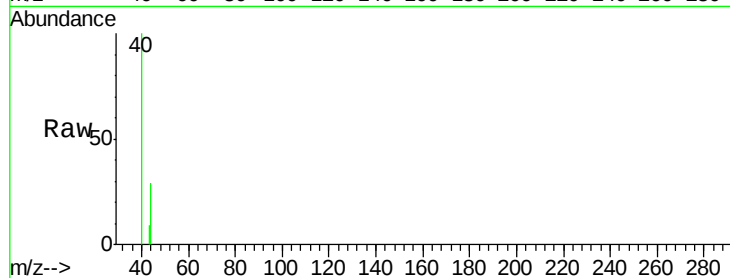




#59
2-Hexanone
Concen: 15.116 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

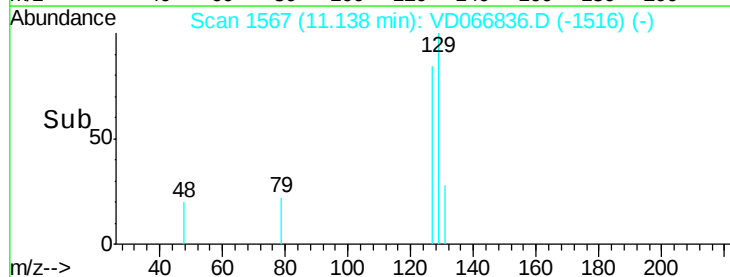
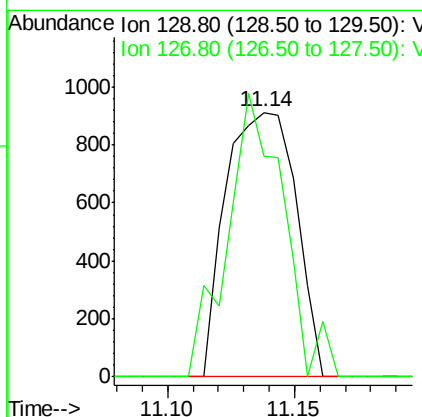
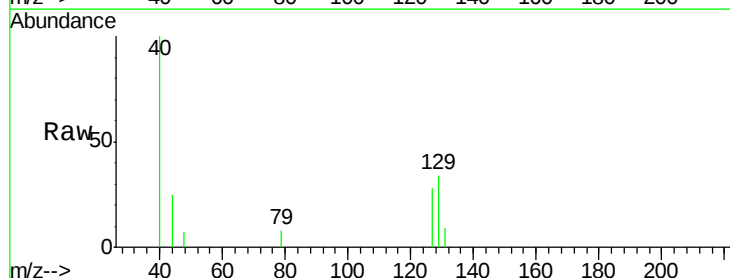
Instrument :
MSVOA_D
ClientSampleId :
TR-04-092320

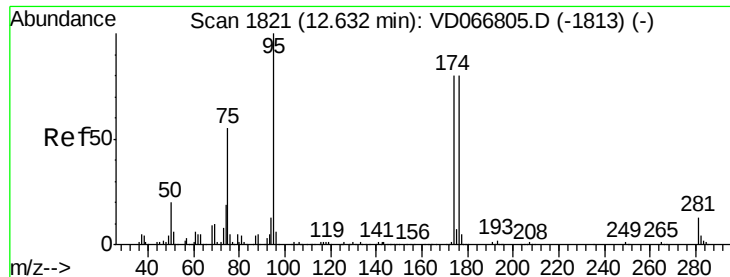
Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 27.0 80.8#



#60
Dibromochloromethane
Concen: 120.514 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

Tgt Ion: 129 Resp: 1762
Ion Ratio Lower Upper
129 100
127 85.2 38.6 116.0





#62

4-Bromofluorobenzene

Concen: 134.385 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-092320

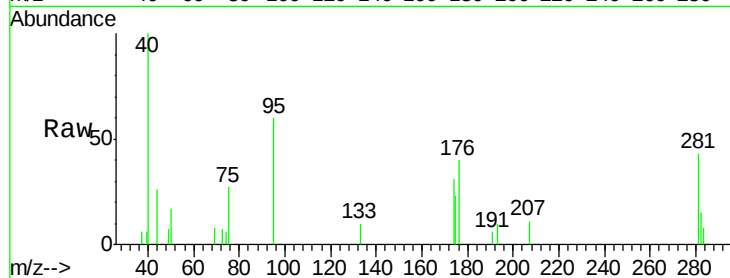
Tgt Ion: 95 Resp: 2150

Ion Ratio Lower Upper

95 100

174 120.0 0.0 159.8

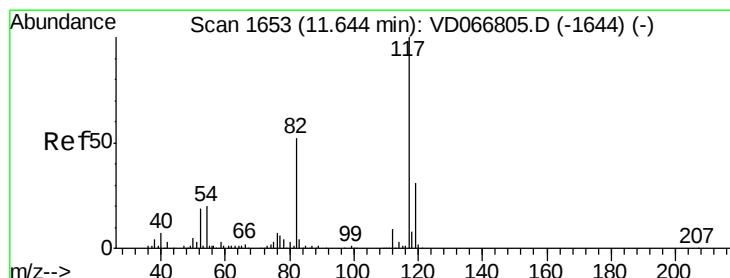
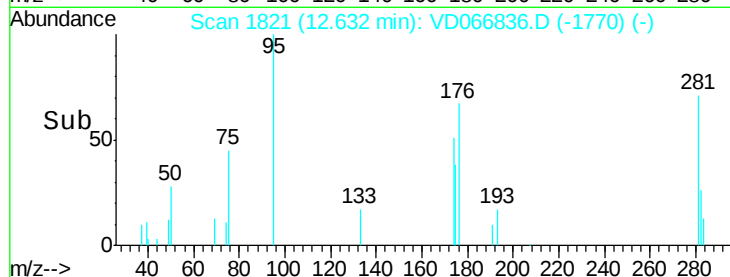
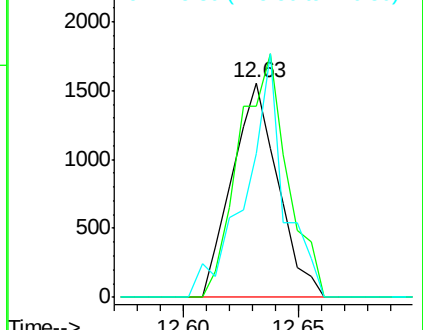
176 94.9 0.0 154.4



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: VD066836.D

Acq: 23 Sep 2020 16:06

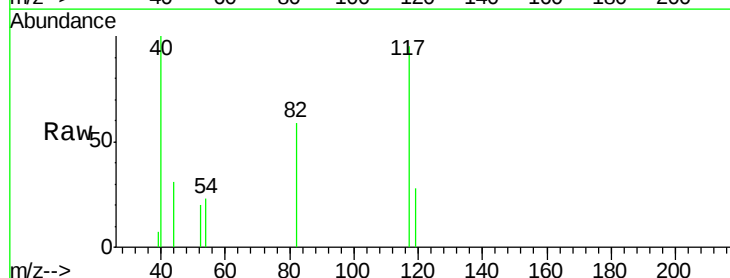
Tgt Ion: 117 Resp: 4262

Ion Ratio Lower Upper

117 100

82 61.7 41.8 62.6

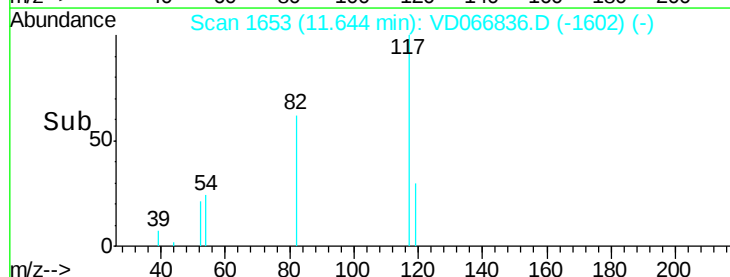
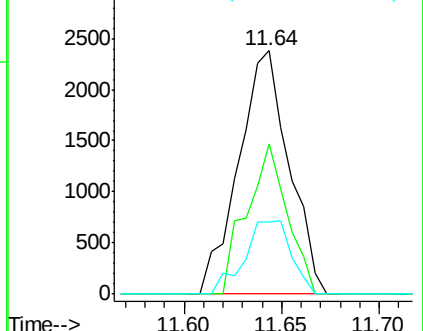
119 29.7 24.6 37.0

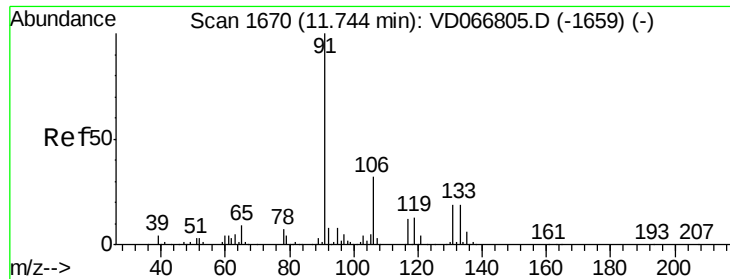


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

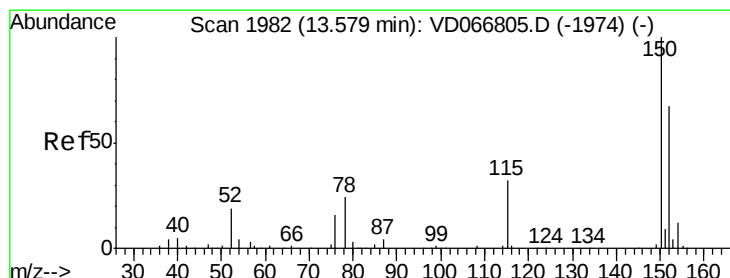
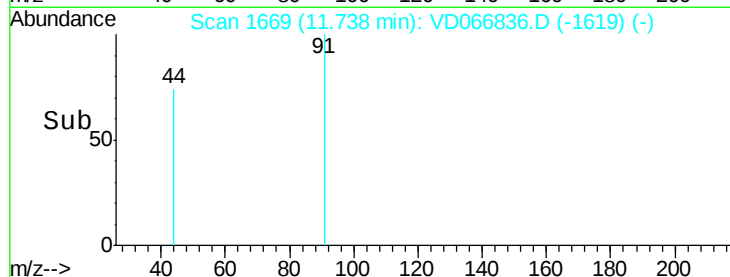
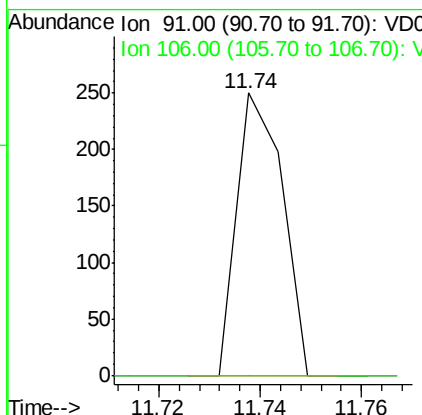
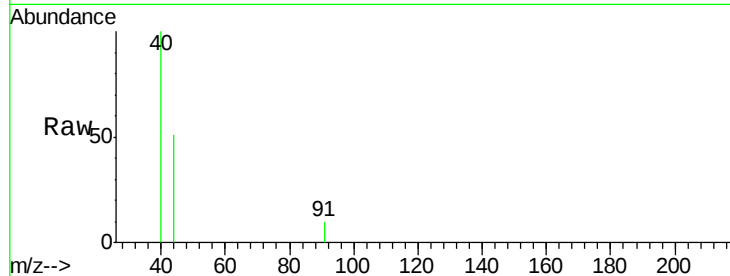




#67
Ethyl Benzene
Concen: 1.014 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

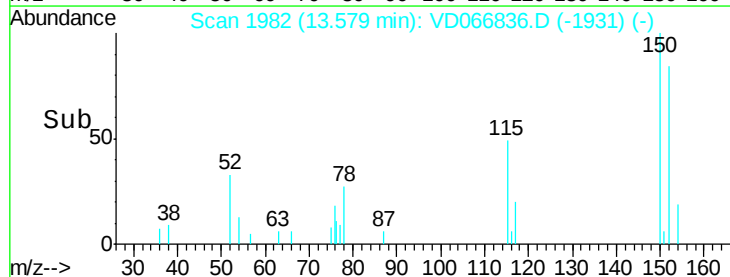
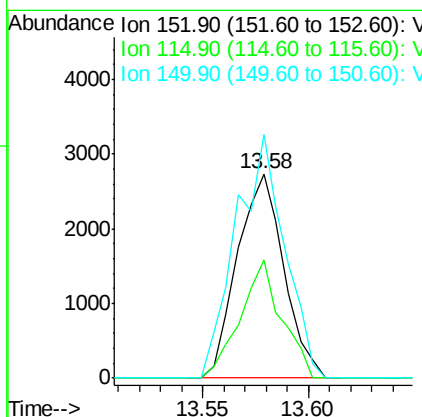
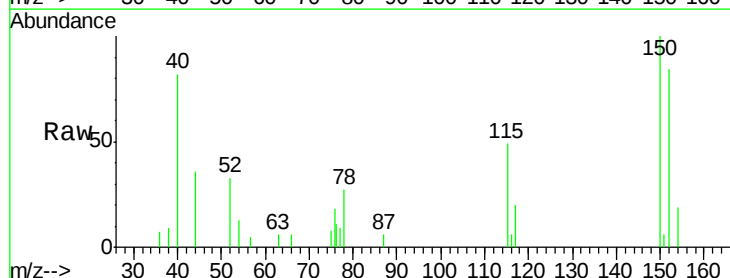
Instrument :
MSVOA_D
ClientSampleId :
TR-04-092320

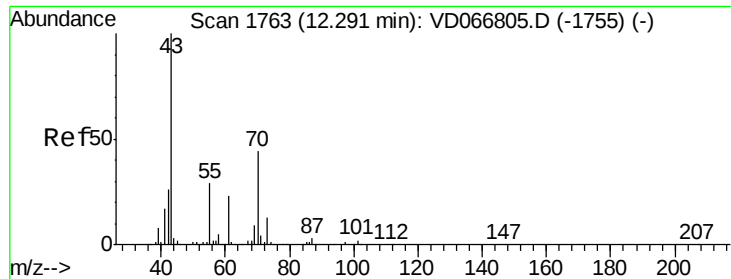
Tgt Ion: 91 Resp: 158
Ion Ratio Lower Upper
91 100
106 0.0 25.6 38.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

Tgt Ion: 152 Resp: 4173
Ion Ratio Lower Upper
152 100
115 51.5 30.3 91.0
150 124.9 0.0 346.2

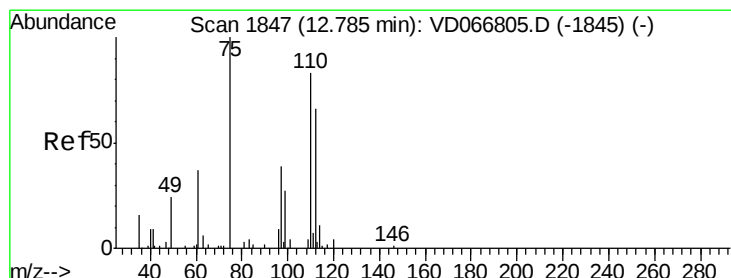
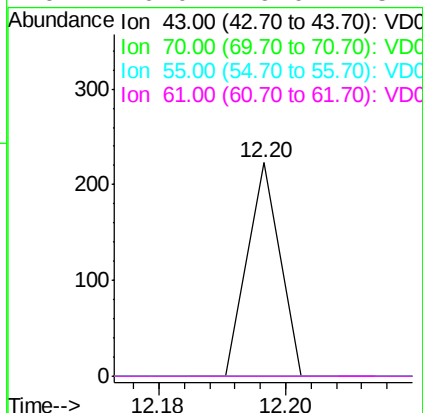
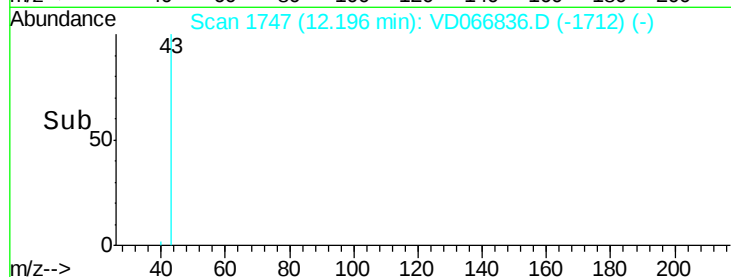
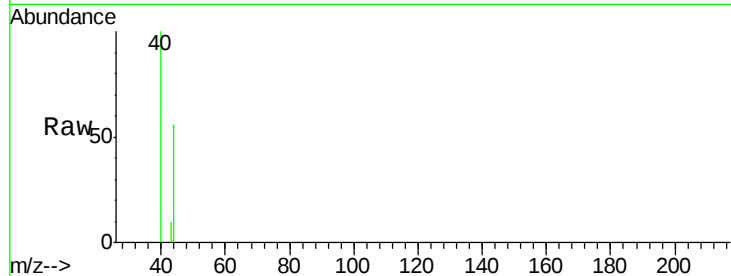




#74
N-amyI acetate
Concen: 1.342 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.09 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

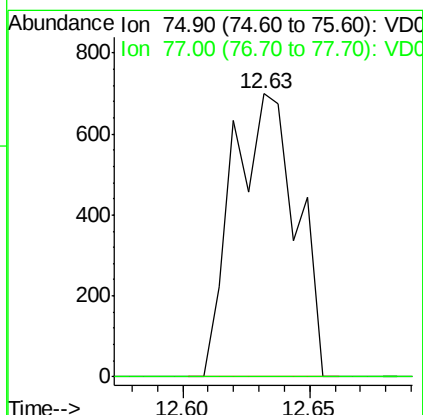
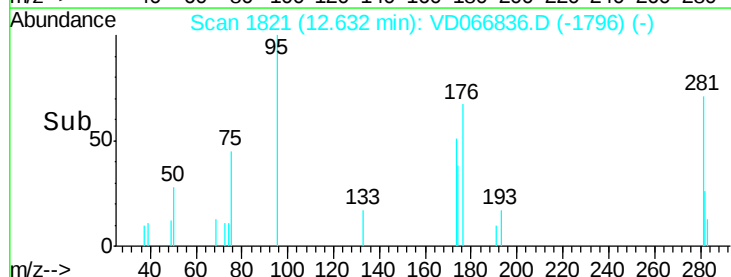
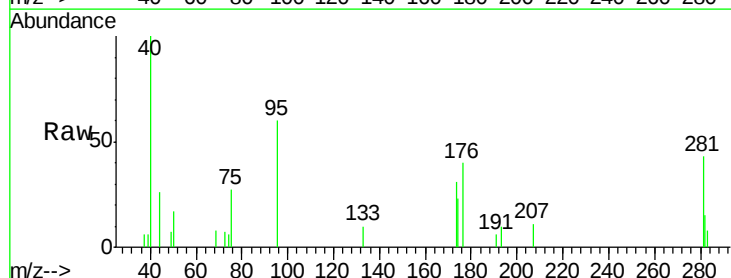
Instrument :
MSVOA_D
ClientSampleId :
TR-04-092320

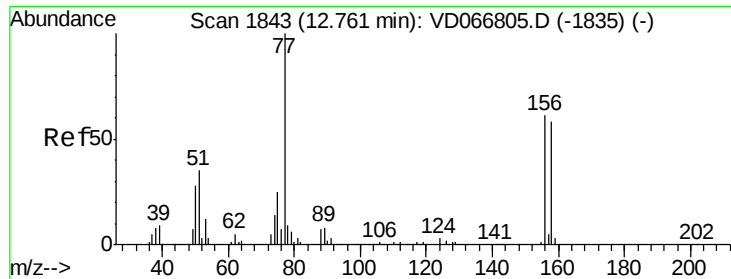
Tgt Ion:	43	Resp:	79
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.1	54.1#
55	0.0	21.8	32.8#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 35.423 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066836.D
Acq: 23 Sep 2020 16:06

Tgt Ion:	75	Resp:	1225
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 3.149 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-092320

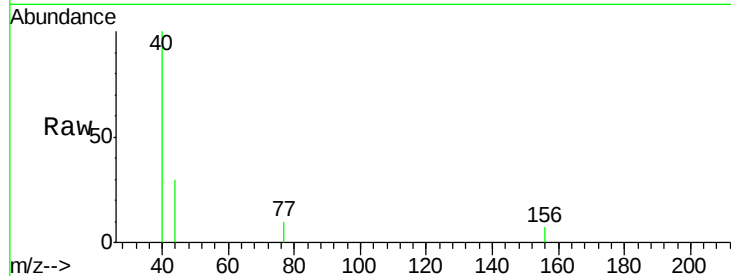
Tgt Ion:156 Resp: 222

Ion Ratio Lower Upper

156 100

77 92.3 92.3 276.9

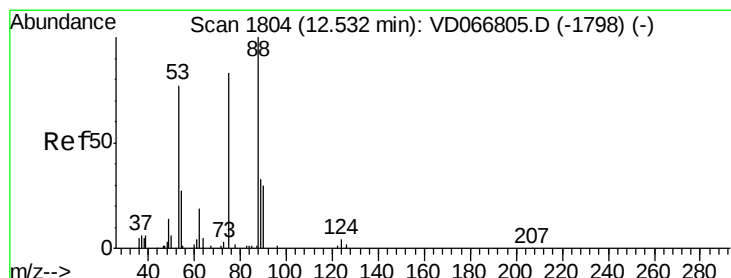
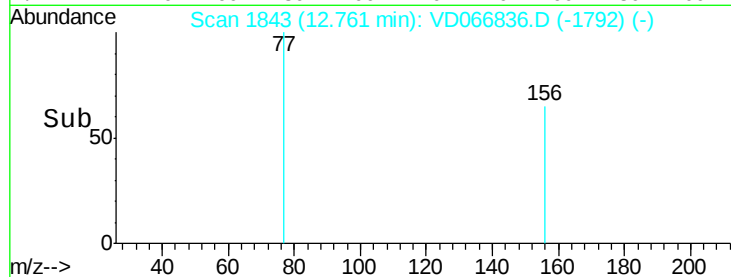
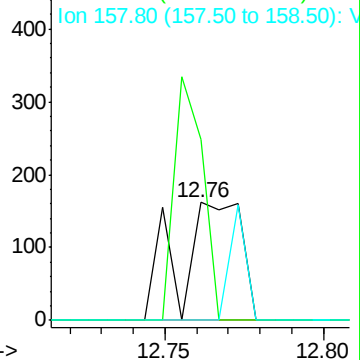
158 25.2 47.6 142.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 88.624 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

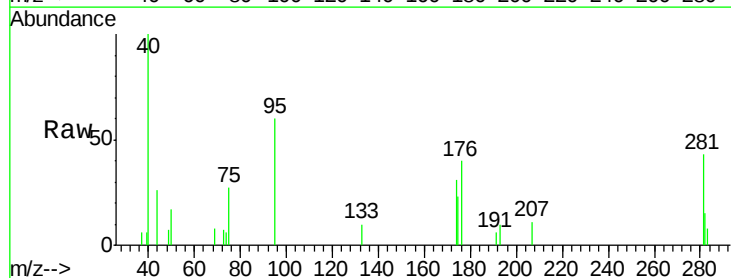
Tgt Ion: 75 Resp: 1225

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

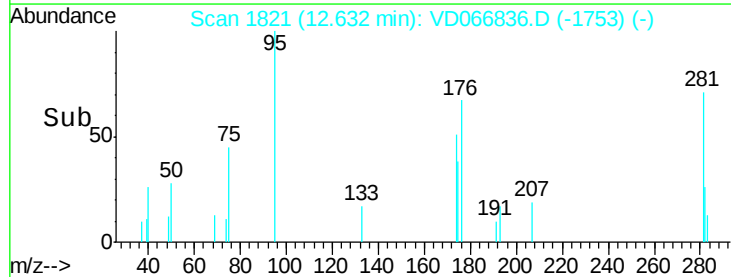
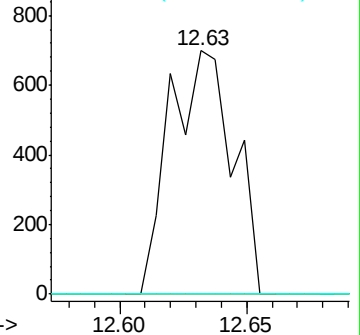
89 0.0 38.1 57.1#

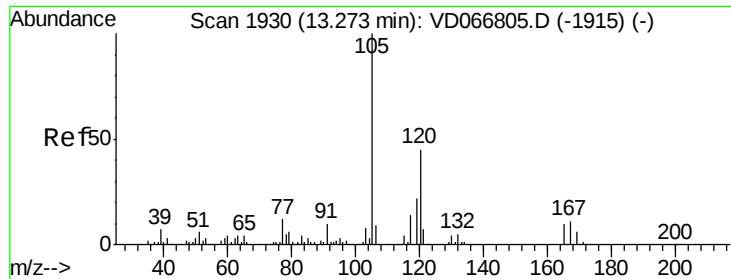


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

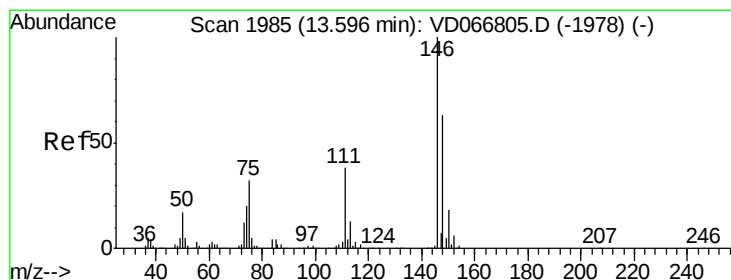
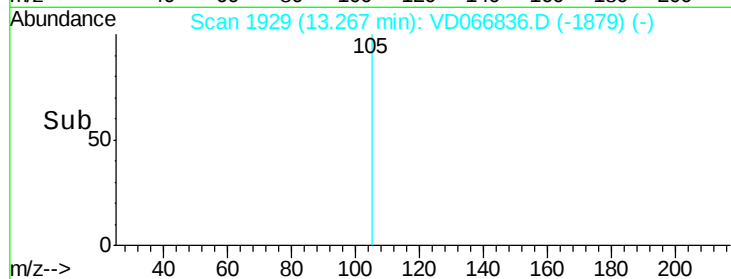
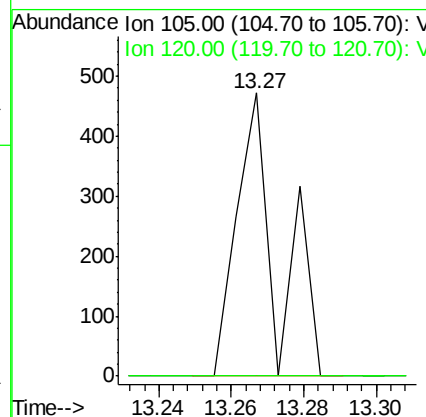
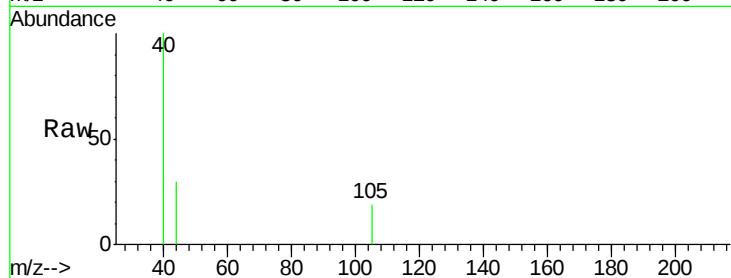




#84
 1,2,4-Trimethylbenzene
 Concen: 1.467 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066836.D
 Acq: 23 Sep 2020 16:06

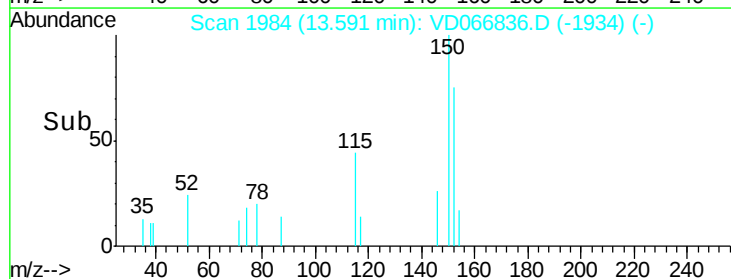
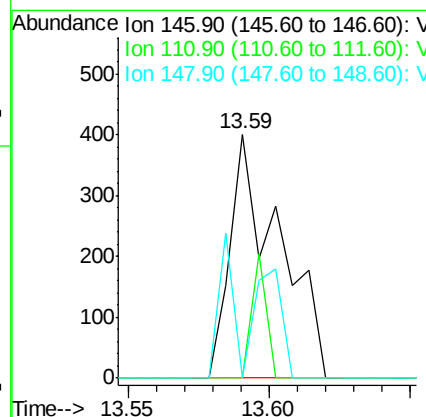
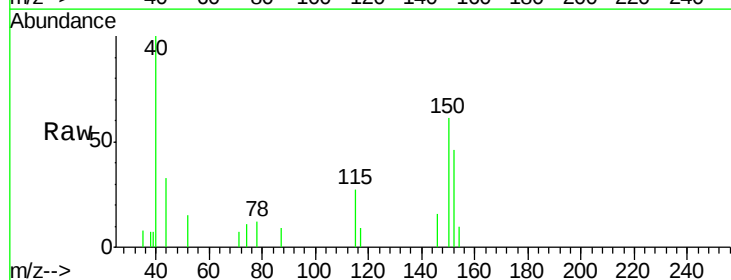
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-092320

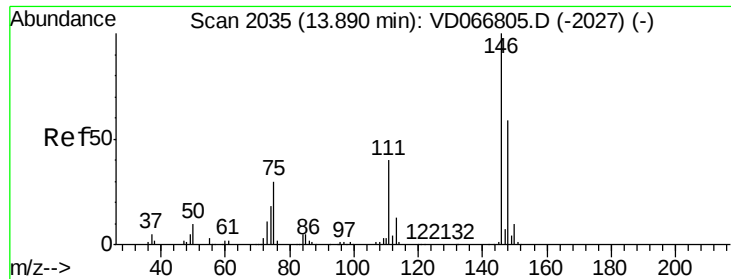
Tgt Ion:105 Resp: 372
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.3 66.9#



#88
 1,4-Dichlorobenzene
 Concen: 3.477 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD066836.D
 Acq: 23 Sep 2020 16:06

Tgt Ion:146 Resp: 481
 Ion Ratio Lower Upper
 146 100
 111 15.0 20.2 60.5#
 148 17.5 31.6 94.7#





#91

1,2-Dichlorobenzene

Concen: 1.477 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-092320

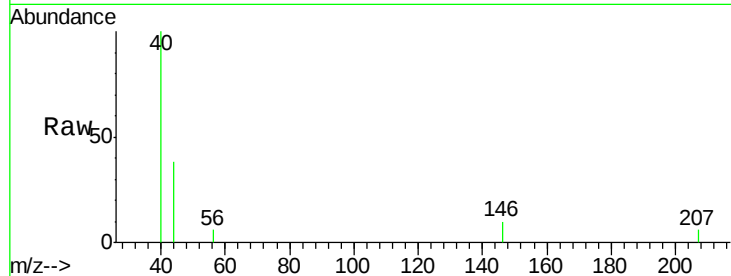
Tgt Ion: 146 Resp: 176

Ion Ratio Lower Upper

146 100

111 0.0 20.9 62.7#

148 0.0 31.8 95.3#



Abundance Ion 145.90 (145.60 to 146.60): V

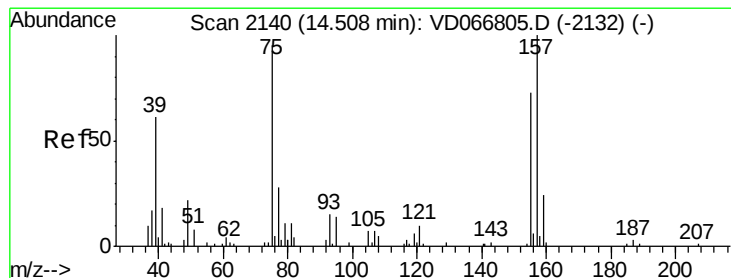
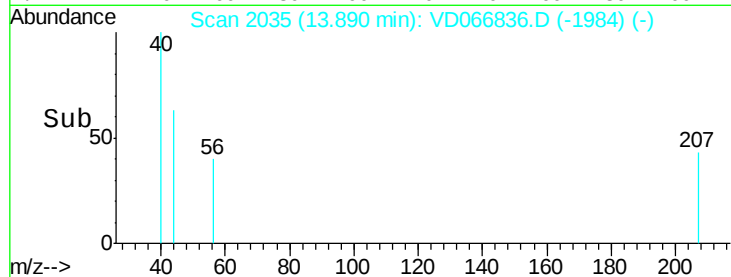
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.89

13.88 13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.334 ug/l

RT: 14.50 min Scan# 2138

Delta R.T. -0.01 min

Lab File: VD066836.D

Acq: 23 Sep 2020 16:06

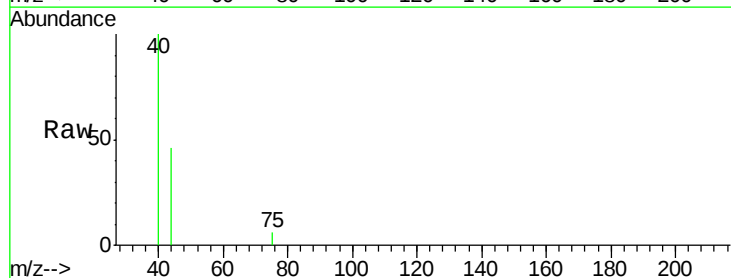
Tgt Ion: 75 Resp: 53

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

157 0.0 51.3 153.9#



Abundance Ion 74.90 (74.60 to 75.60): V

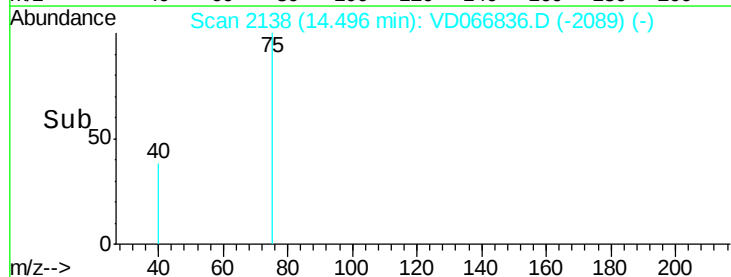
Ion 154.80 (154.50 to 155.50): V

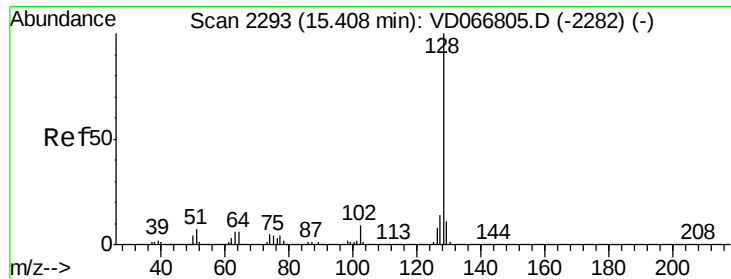
Ion 156.80 (156.50 to 157.50): V

14.50

14.48 14.50

Time-->





#95
 Naphthalene
 Concen: 11.228 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VD066836.D
 Acq: 23 Sep 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-092320

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.0	10.6	16.0#
129	0.0	8.9	13.3#

