

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067222.D
 Acq On : 09 Oct 2020 20:02
 Operator : VA/SY
 Sample : L4315-01RE
 Misc : 4.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 346RE

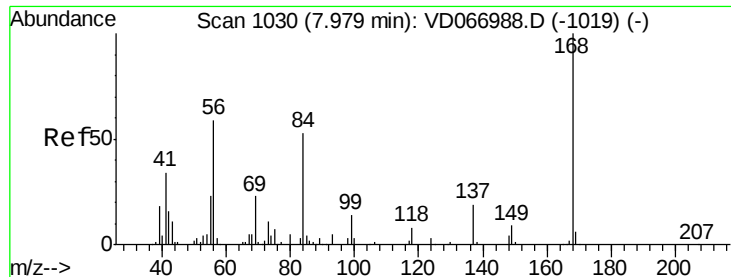
Quant Time: Oct 09 23:49:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	11860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	18089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	16523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	8509	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	7454	65.25	ug/l	0.00
Spiked Amount			Recovery	=	130.50%	
35) Dibromofluoromethane	7.91	113	5429	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
50) Toluene-d8	10.34	98	19856	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.64	95	7627	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	157	1.662	ug/l #	43
5) Bromomethane	2.79	94	221	Below Cal	#	3
6) Chloroethane	2.99	64	96	1.664	ug/l #	41
16) Acetone	4.17	43	117	6.709	ug/l #	42
20) Methylene Chloride	4.97	84	896	Below Cal	#	73
29) Tetrahydrofuran	7.41	42	67	4.713	ug/l #	30
36) 1,1-Dichloropropene	7.98	75	1177	6.981	ug/l #	41
38) Carbon Tetrachloride	7.96	117	537	2.944	ug/l #	11
51) 4-Methyl-2-Pentanone	10.33	43	54	1.007	ug/l #	6
59) 2-Hexanone	10.98	43	53	1.482	ug/l #	23
74) N-amyl acetate	12.36	43	149	1.435	ug/l #	39
76) 1,2,3-Trichloropropane	12.64	75	3884	52.404	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	3884	130.650	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067222.D

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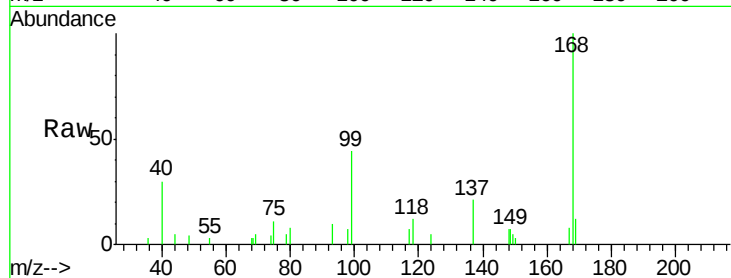
346RE

Tot Ion:168 Resp: 11860

Ion Ratio Lower Upper

168 100

99 44.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

6000

5000

4000

3000

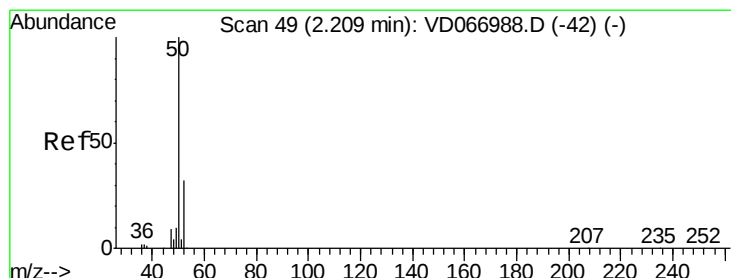
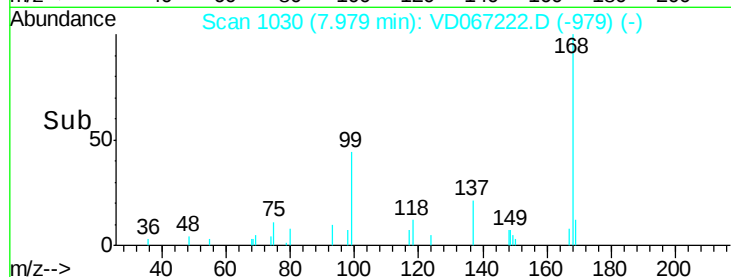
2000

1000

0

7.90 7.95 8.00 8.05

Time-->



#3

Chloromethane

Concen: 1.662 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067222.D

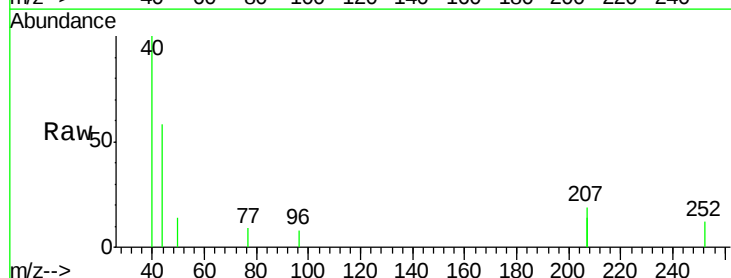
Acq: 09 Oct 2020 20:02

Tgt Ion: 50 Resp: 157

Ion Ratio Lower Upper

50 100

52 0.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

300

250

200

150

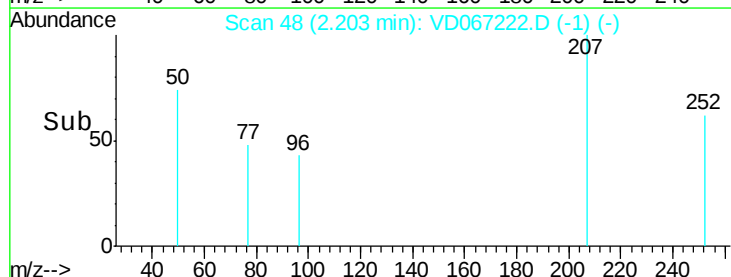
100

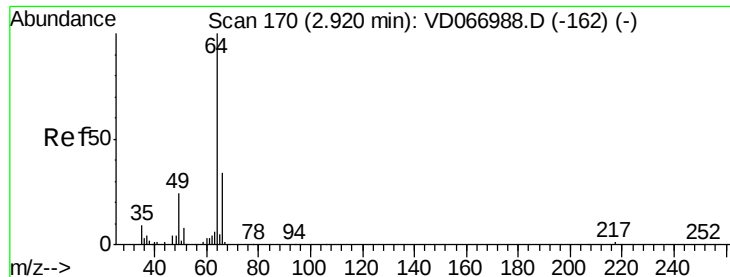
50

0

2.18 2.20 2.22

Time-->





#6

Chloroethane

Concen: 1.664 ug/l

RT: 2.99 min Scan# 182

Delta R.T. 0.07 min

Lab File: VD067222.D

Acq: 09 Oct 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

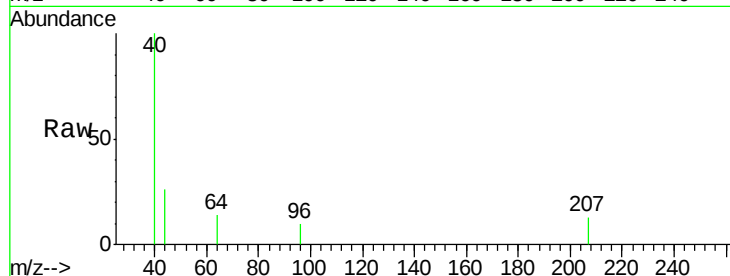
346RE

Tot Ion: 64 Resp: 96

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.99

250

200

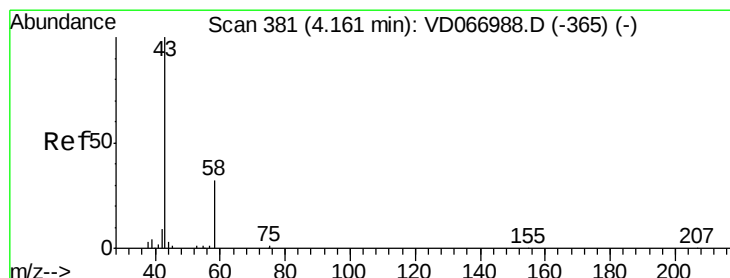
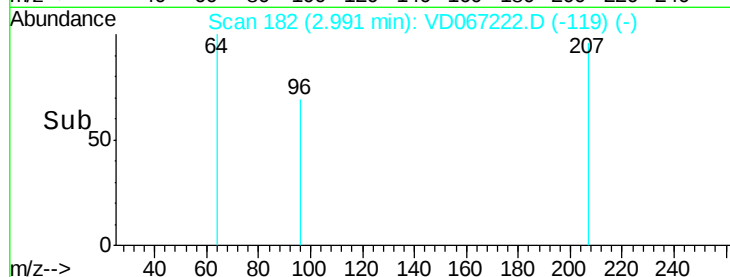
150

100

50

0

Time--> 2.97 2.98 2.99 3.00 3.01



#16

Acetone

Concen: 6.709 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067222.D

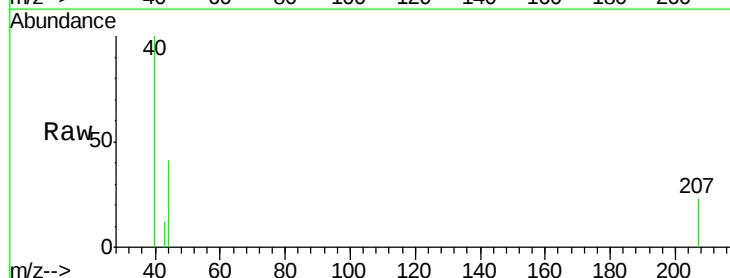
Acq: 09 Oct 2020 20:02

Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

200

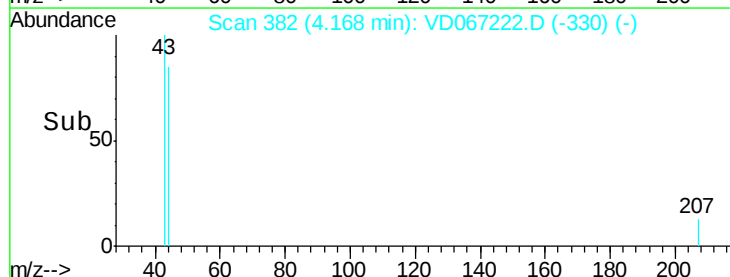
150

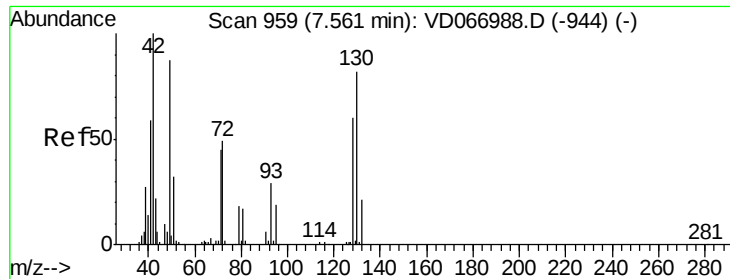
100

50

0

Time--> 4.14 4.16 4.18 4.20

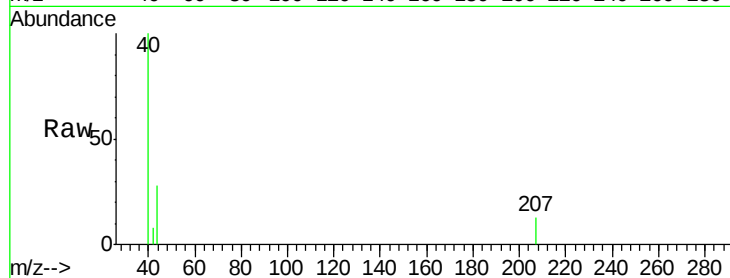




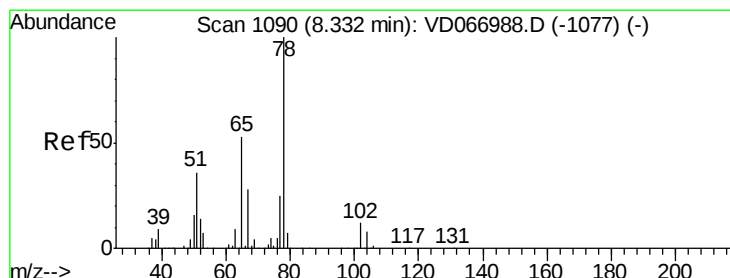
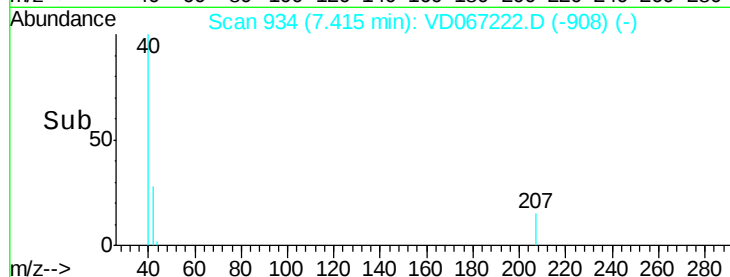
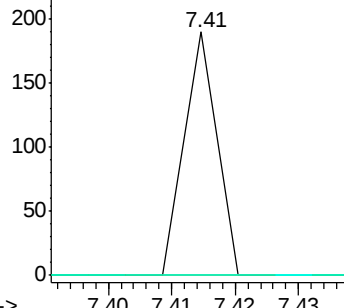
#29
Tetrahydrofuran
Concen: 4.713 ug/l
RT: 7.41 min Scan# 934
Delta R.T. -0.15 min
Lab File: VD067222.D
Acq: 09 Oct 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
346RE

Tot Ion: 42 Resp: 67
Ion Ratio Lower Upper
42 100
72 0.0 39.1 58.7#
71 0.0 34.2 51.4#

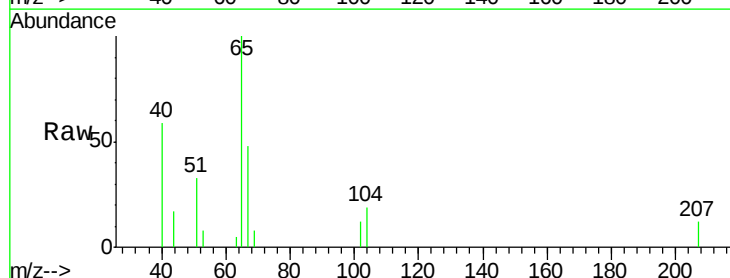


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

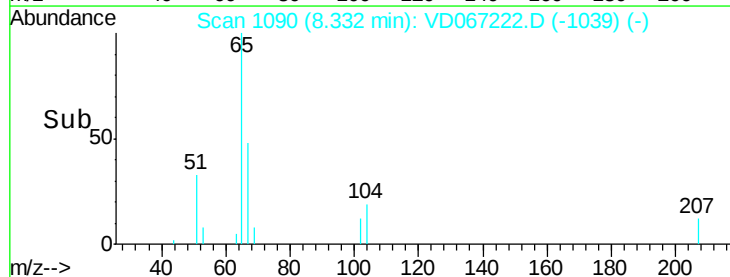
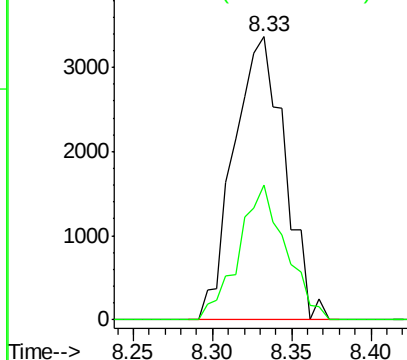


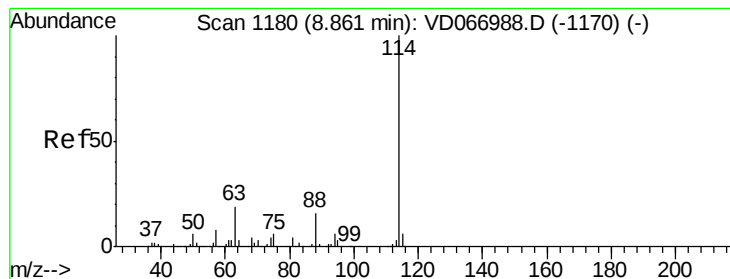
#33
1,2-Dichloroethane-d4
Concen: 65.251 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067222.D
Acq: 09 Oct 2020 20:02

Tgt Ion: 65 Resp: 7454
Ion Ratio Lower Upper
65 100
67 44.4 0.0 106.8



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: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067222.D

Acq: 09 Oct 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

346RE

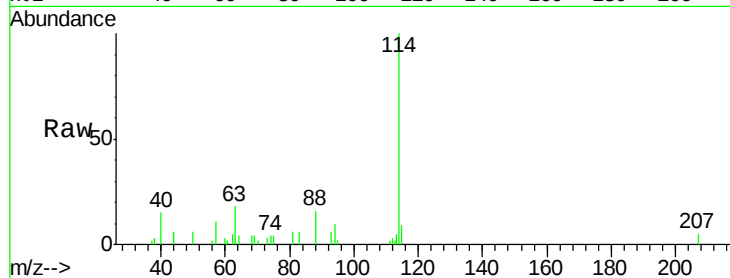
Tot Ion:114 Resp: 18089

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

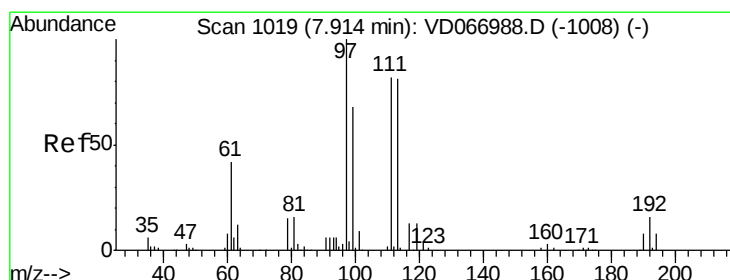
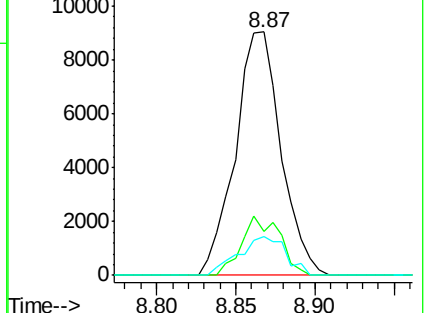
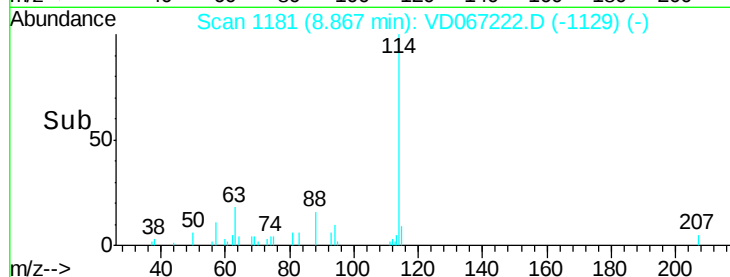
88 16.1 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 45.843 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD067222.D

Acq: 09 Oct 2020 20:02

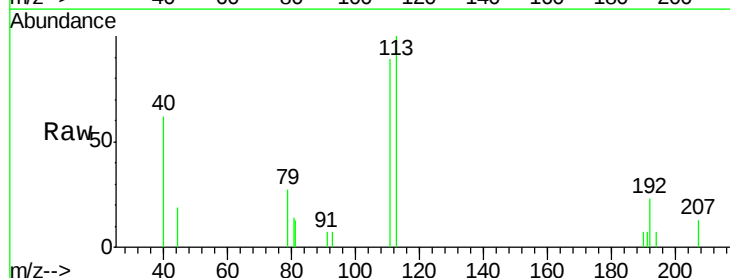
Tgt Ion:113 Resp: 5429

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.4

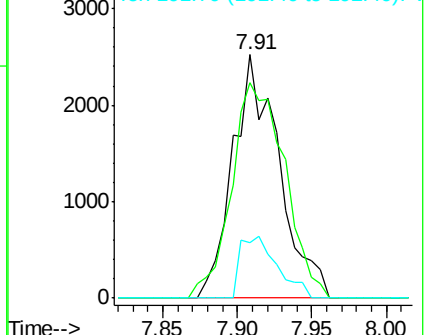
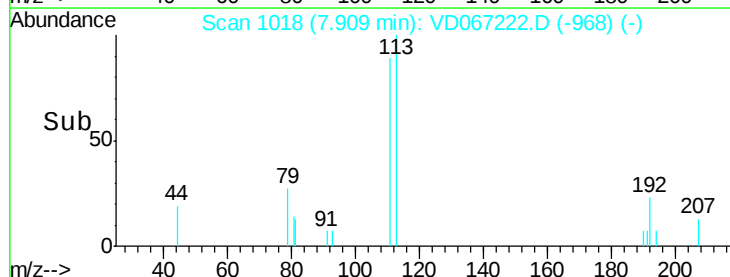
192 20.4 15.5 23.3

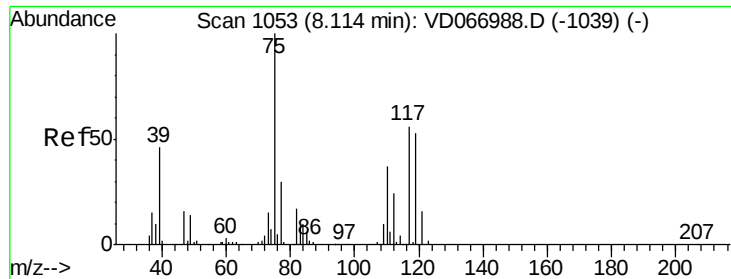


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

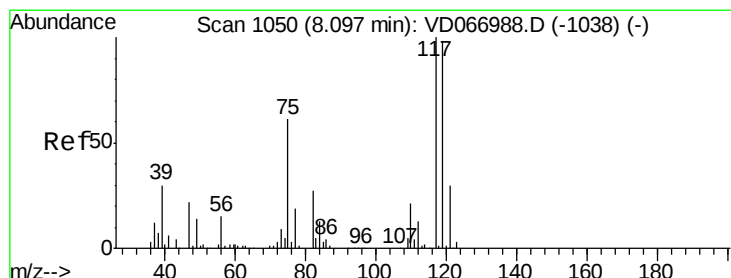
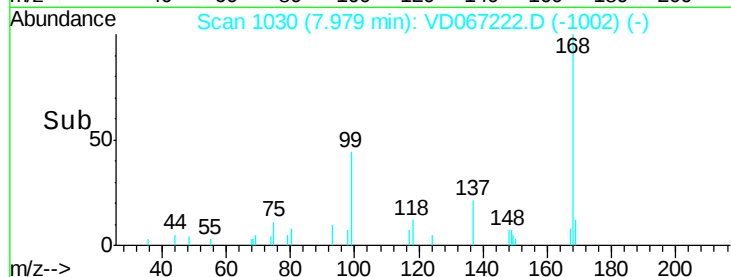
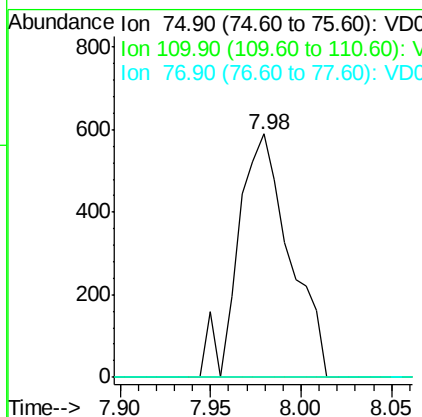
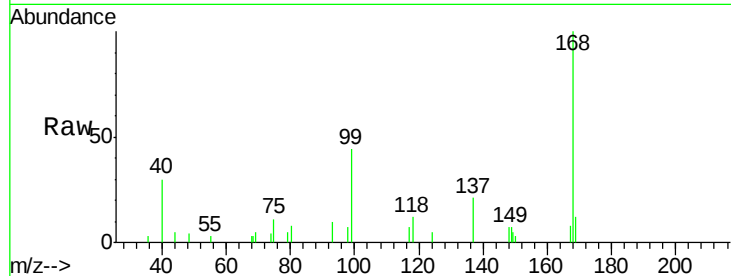




#36
 1,1-Dichloropropene
 Concen: 6.981 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067222.D
 Acq: 09 Oct 2020 20:02

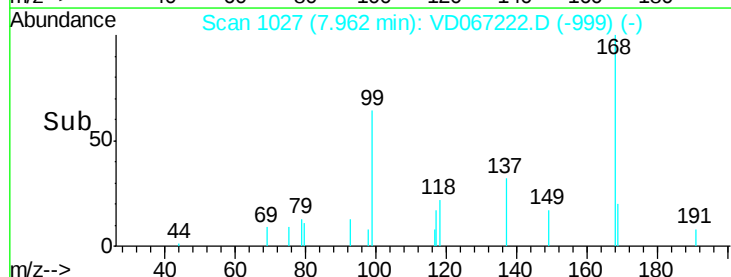
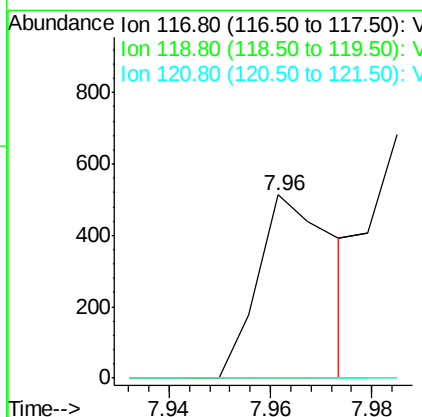
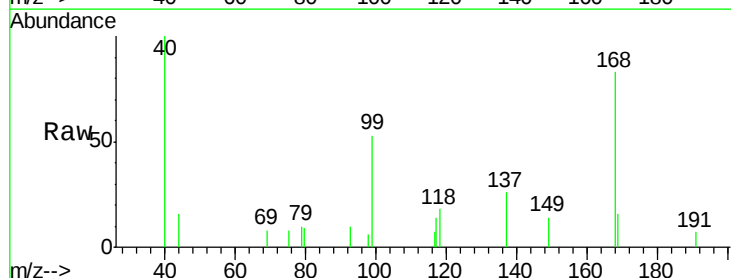
Instrument :
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 346RE

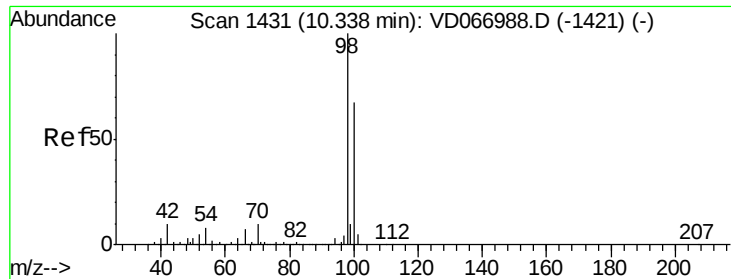
Tot Ion: 75 Resp: 1177
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.4 55.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 2.944 ug/l
 RT: 7.96 min Scan# 1027
 Delta R.T. -0.14 min
 Lab File: VD067222.D
 Acq: 09 Oct 2020 20:02

Tgt Ion: 117 Resp: 537
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.7 118.1#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 46.013 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067222.D

Acq: 09 Oct 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

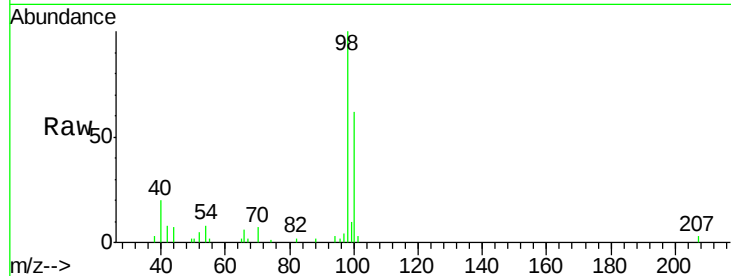
346RE

Tot Ion: 98 Resp: 19856

Ion Ratio Lower Upper

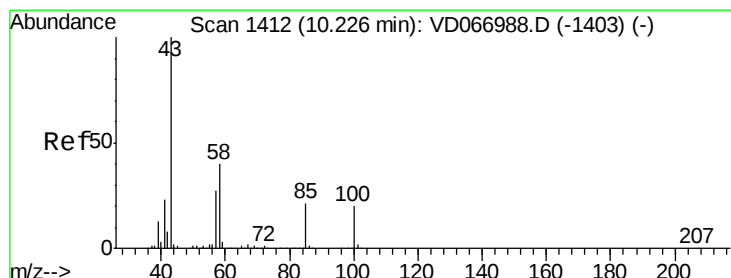
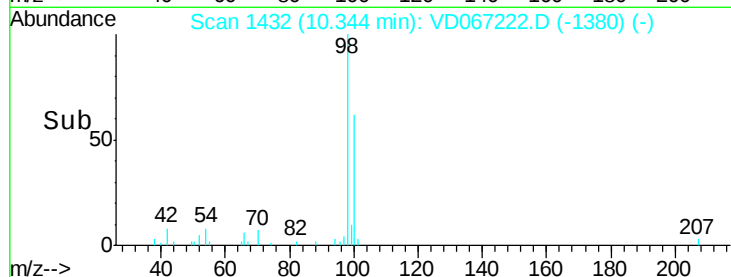
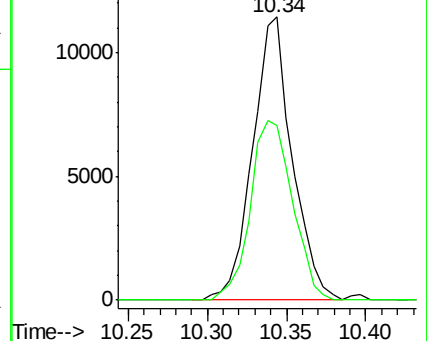
98 100

100 67.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.007 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD067222.D

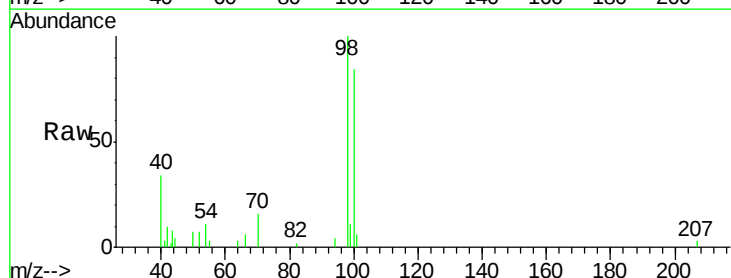
Acq: 09 Oct 2020 20:02

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

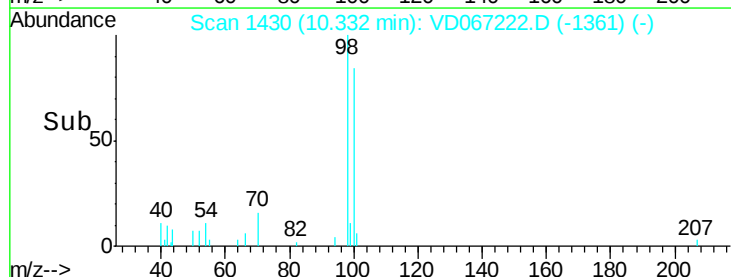
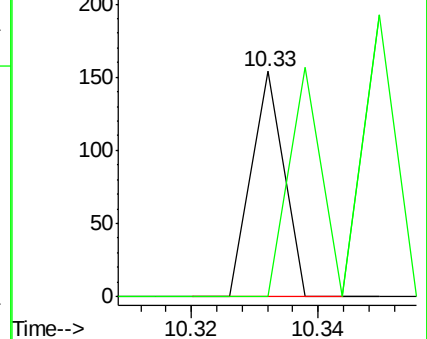
43 100

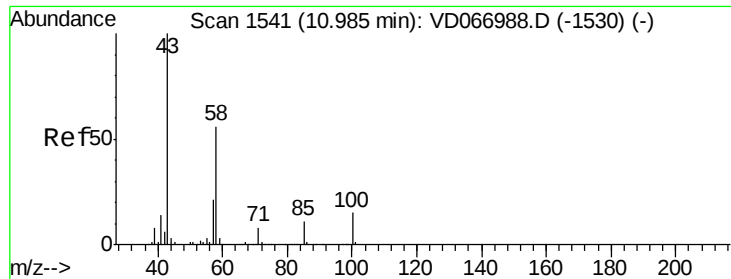
58 101.9 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

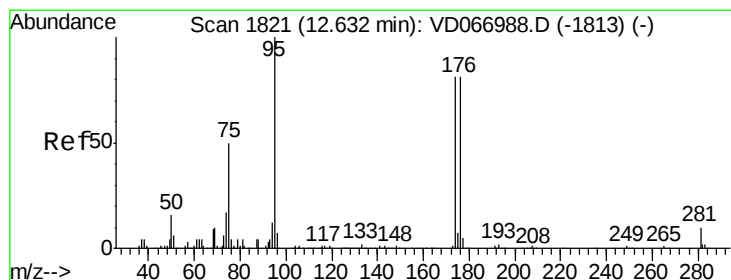
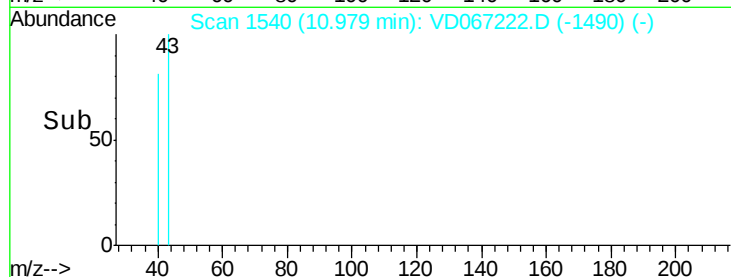
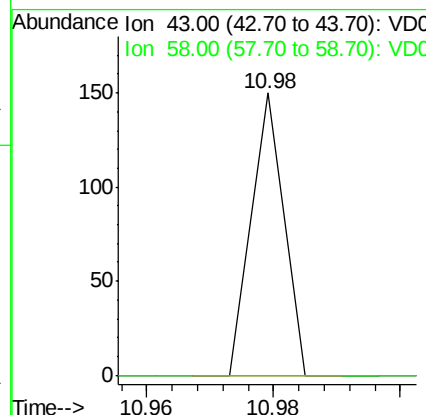
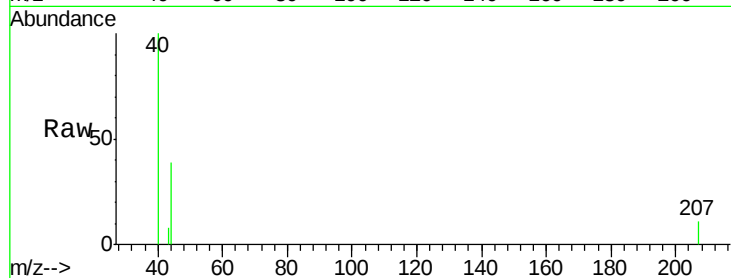




#59
2-Hexanone
Concen: 1.482 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD067222.D
Acq: 09 Oct 2020 20:02

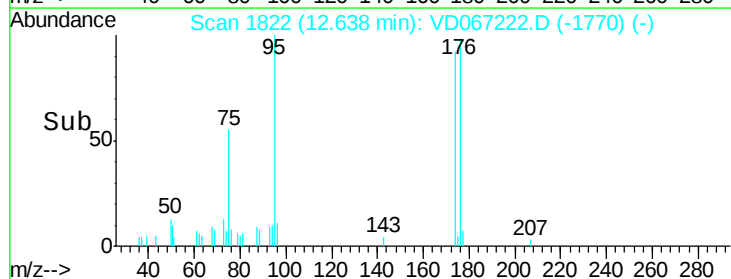
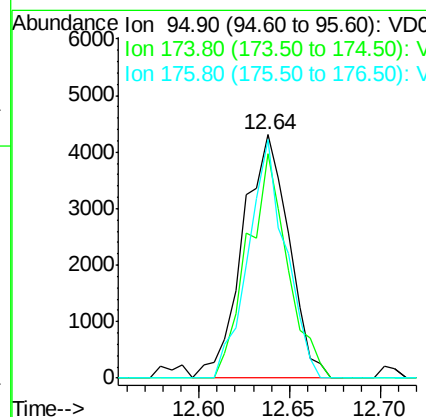
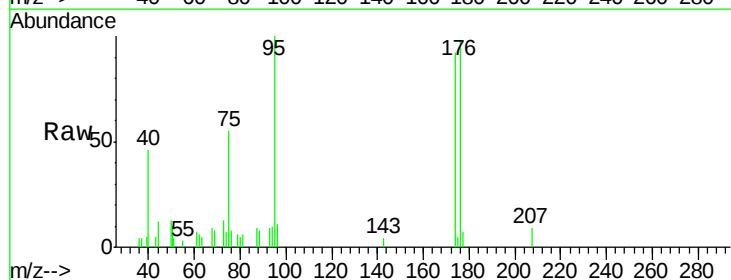
Instrument :
MSVOA_D
ClientSampleId :
346RE

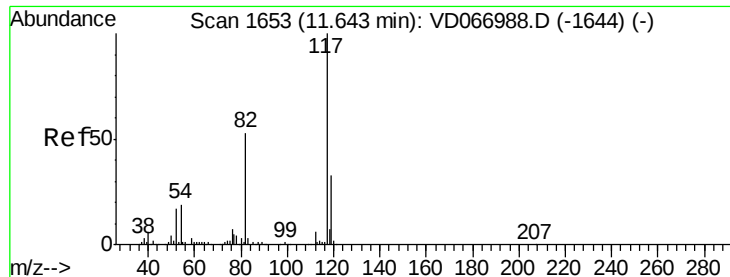
Tot Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 52.064 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067222.D
Acq: 09 Oct 2020 20:02

Tgt Ion: 95 Resp: 7627
Ion Ratio Lower Upper
95 100
174 80.1 0.0 167.6
176 79.4 0.0 162.4

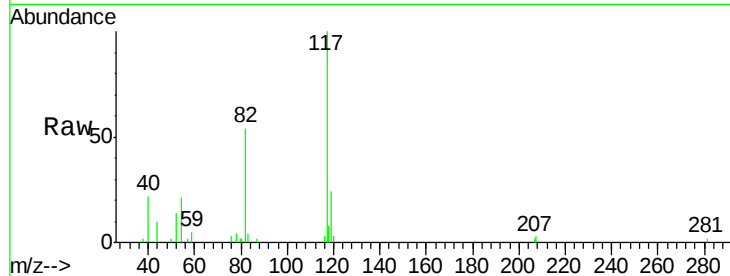




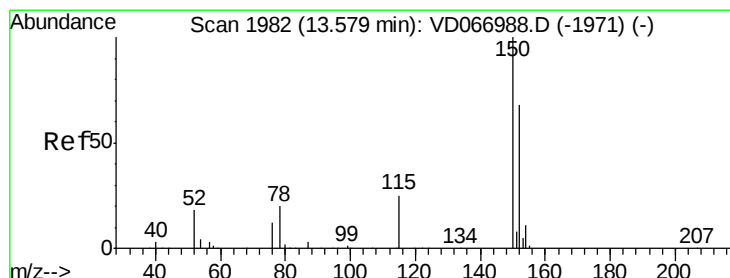
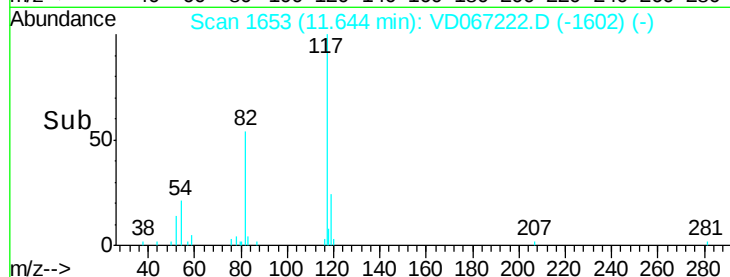
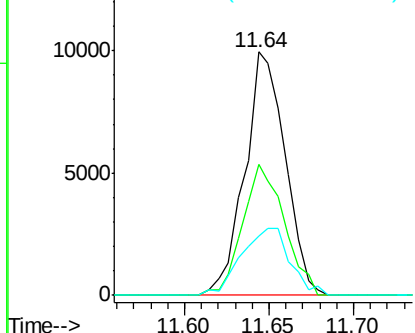
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067222.D
Acq: 09 Oct 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
346RE

Tot Ion:117 Resp: 16523
Ion Ratio Lower Upper
117 100
82 53.6 42.6 63.8
119 24.5 26.3 39.5#

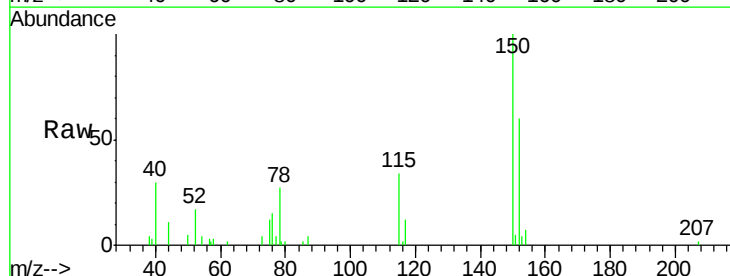


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

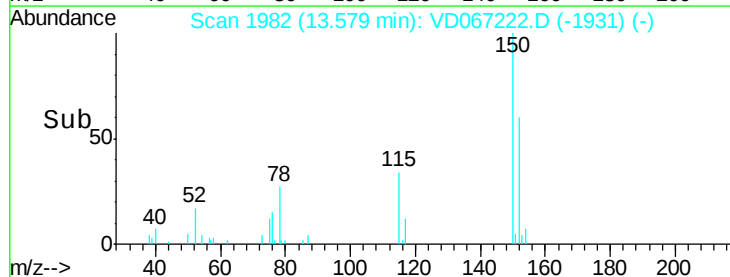
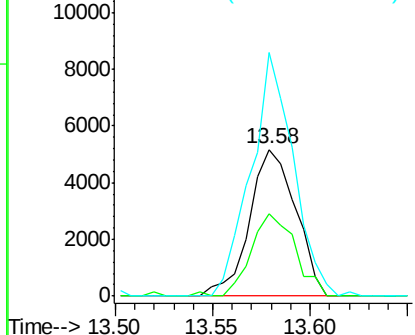


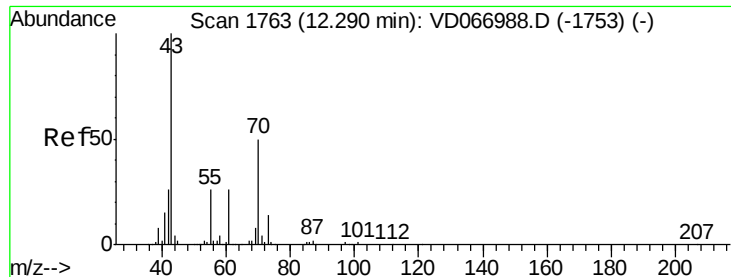
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067222.D
Acq: 09 Oct 2020 20:02

Tgt Ion:152 Resp: 8509
Ion Ratio Lower Upper
152 100
115 53.5 29.6 88.8
150 152.6 0.0 344.8



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





#74

N-amvl acetate

Concen: 1.435 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.07 min

Lab File: VD067222.D

Acq: 09 Oct 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

346RE

Tot Ion: 43 Resp: 149

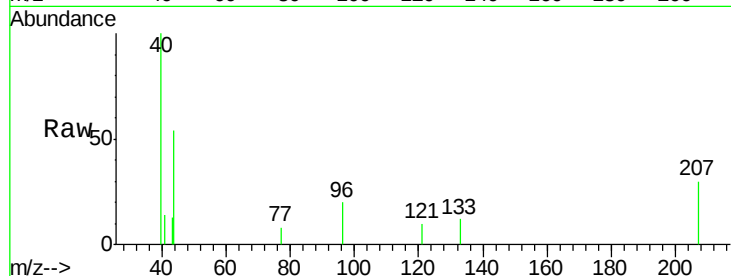
Ion Ratio Lower Upper

43 100

70 0.0 38.2 57.2#

55 0.0 22.4 33.6#

61 0.0 20.6 31.0#

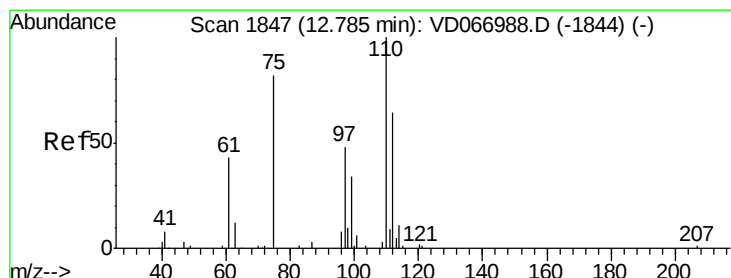
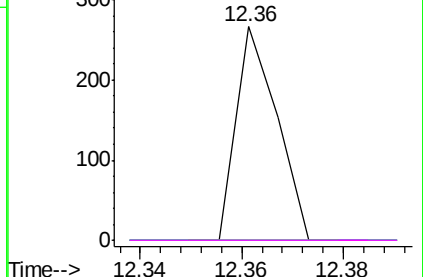
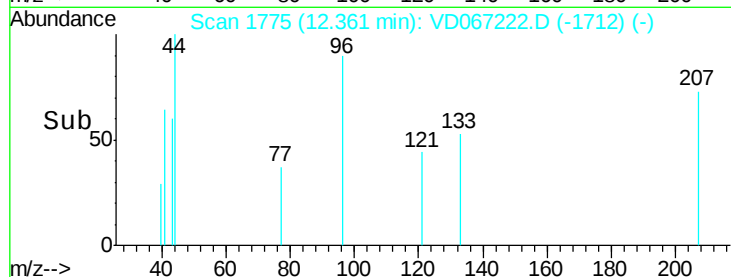


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 52.404 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067222.D

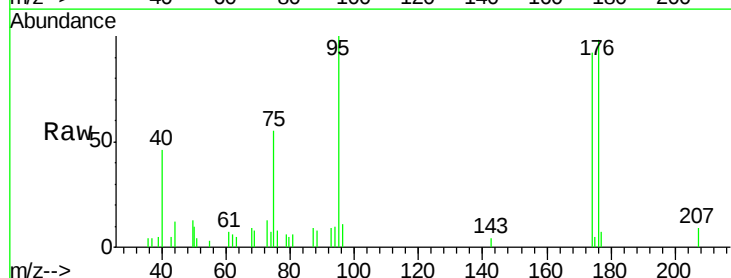
Acq: 09 Oct 2020 20:02

Tgt Ion: 75 Resp: 3884

Ion Ratio Lower Upper

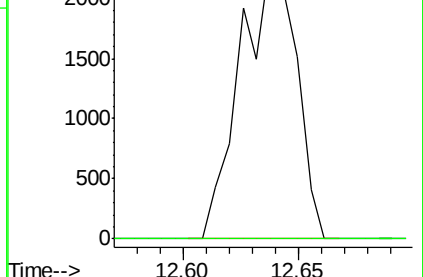
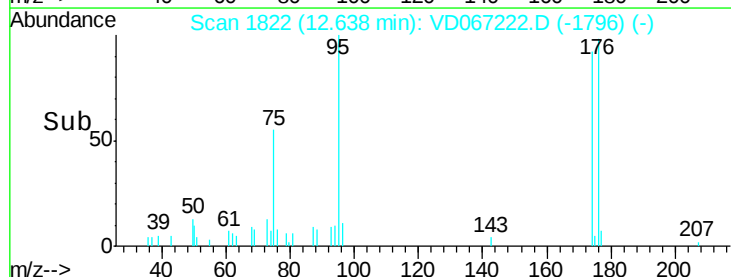
75 100

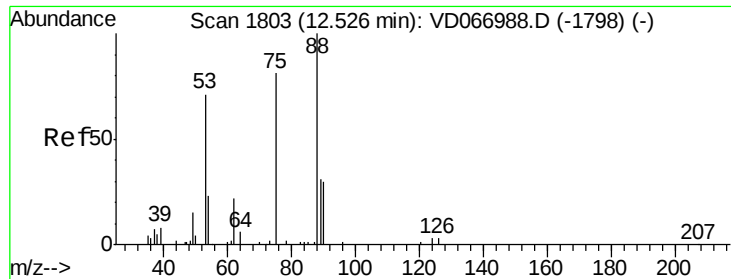
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 130.650 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067222.D

Acq: 09 Oct 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

346RE

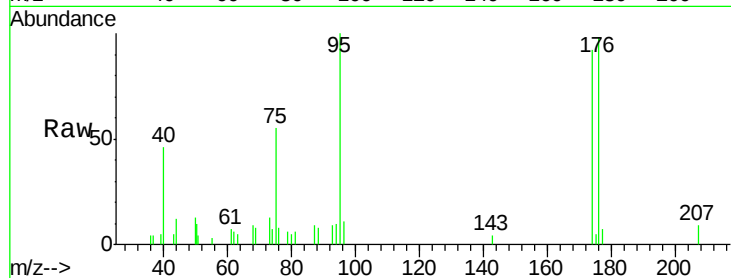
Tot Ion: 75 Resp: 3884

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#



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

