

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081220\
 Data File : VD066201.D
 Acq On : 12 Aug 2020 13:40
 Operator : VA/SY
 Sample : VD0812SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBL01

Quant Time: Aug 12 16:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	274233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	403209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	385828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	191206	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	142331	58.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.36%	
35) Dibromofluoromethane	7.91	113	143900	56.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.68%	
50) Toluene-d8	10.34	98	512418	54.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.63	95	181692	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	

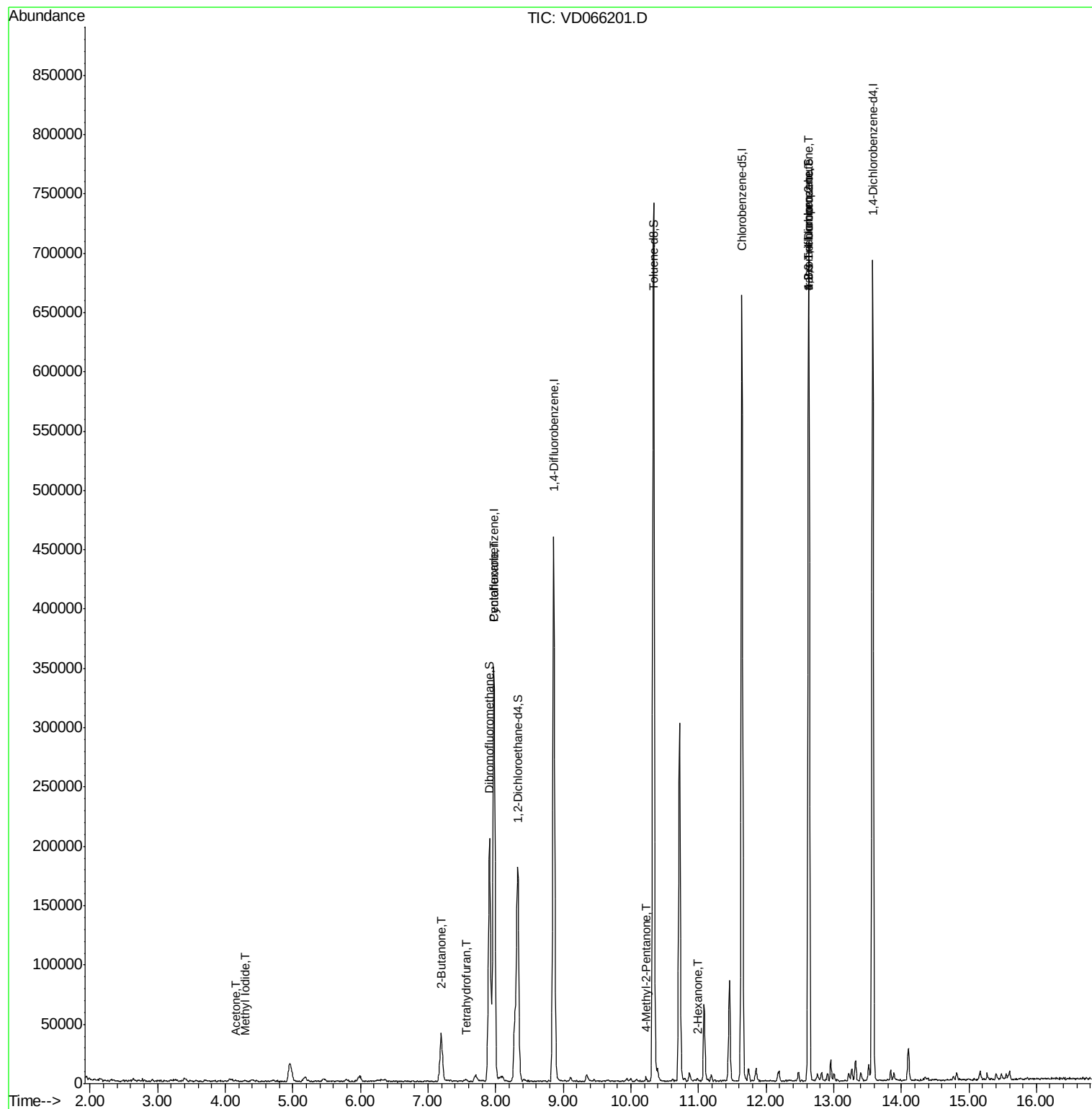
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	1337	7.205	ug/l #	76
11) Tert butyl alcohol	5.18	59	4059	Below Cal	#	76
16) Acetone	4.15	43	1913	4.121	ug/l #	44
20) Methylene Chloride	4.96	84	11966	Below Cal	#	92
25) 2-Butanone	7.19	43	1324	1.939	ug/l #	75
29) Tetrahydrofuran	7.57	42	781	1.846	ug/l #	46
31) Cyclohexane	7.97	56	7367	1.719	ug/l #	49
51) 4-Methyl-2-Pentanone	10.23	43	1681	1.106	ug/l	95
59) 2-Hexanone	10.98	43	1491	1.398	ug/l	81
76) 1,2,3-Trichloropropane	12.63	75	92437	57.972	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	92437	128.150	ug/l #	13

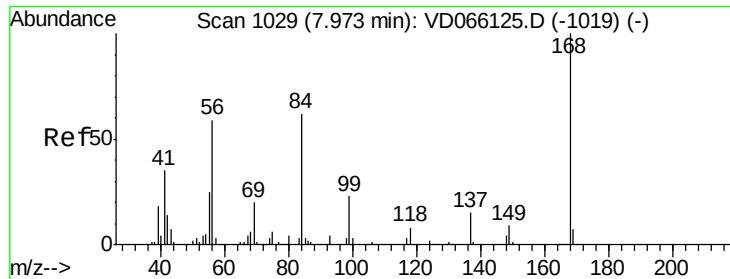
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

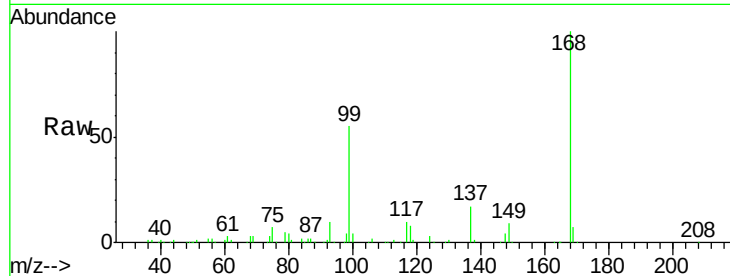
VD0812SBL01

Tgt Ion:168 Resp: 274233

Ion Ratio Lower Upper

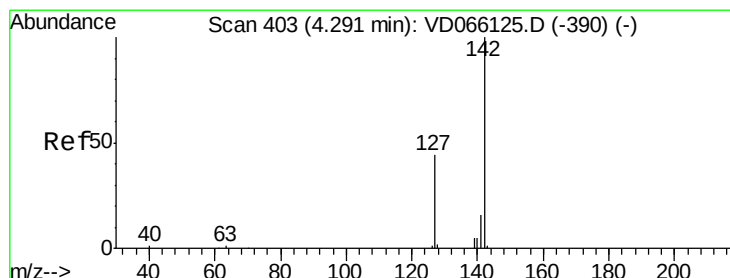
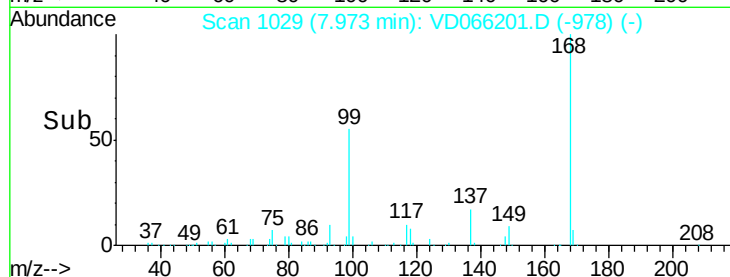
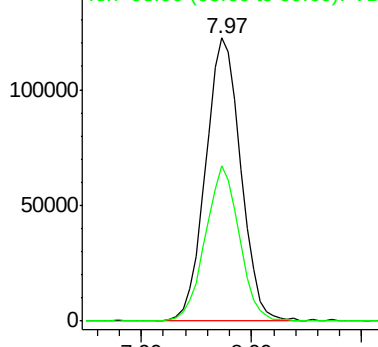
168 100

99 54.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#10

Methyl Iodide

Concen: 7.205 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

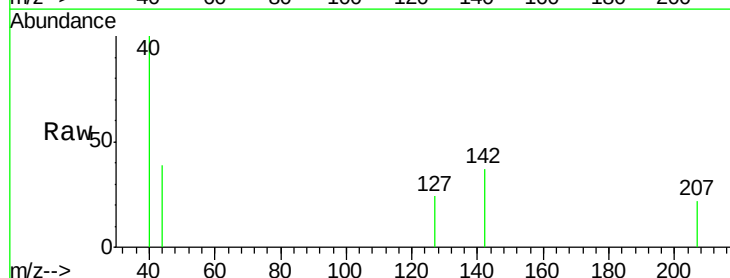
Tgt Ion:142 Resp: 1337

Ion Ratio Lower Upper

142 100

127 30.3 36.2 54.4#

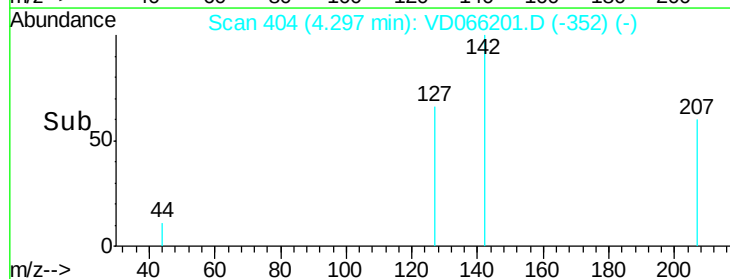
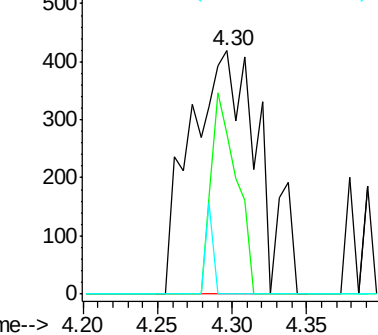
141 4.1 12.6 18.8#

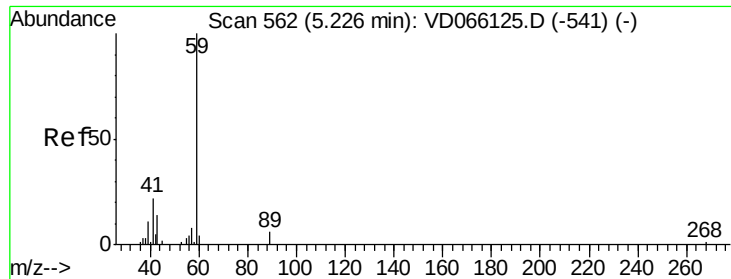


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

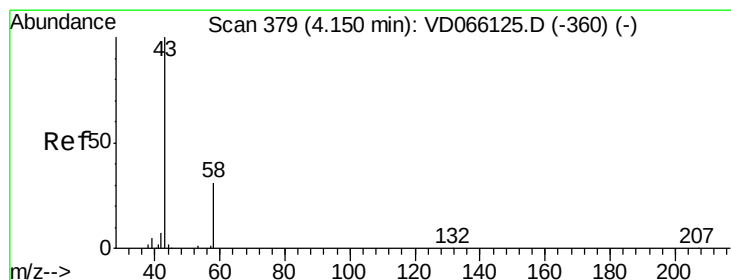
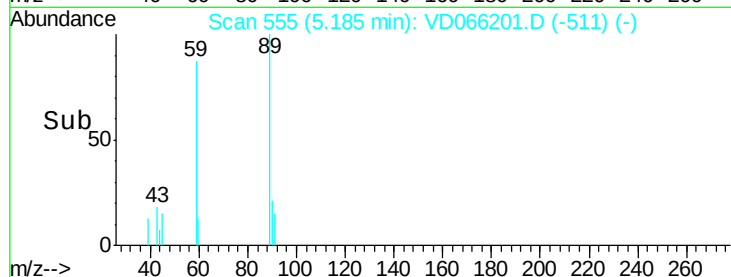
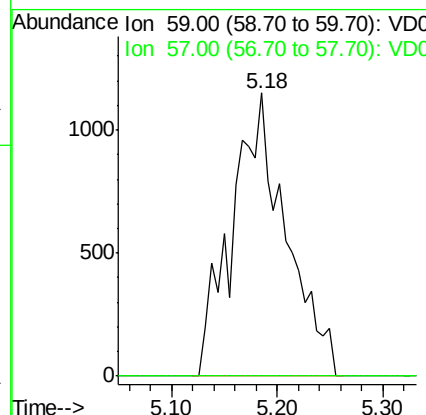
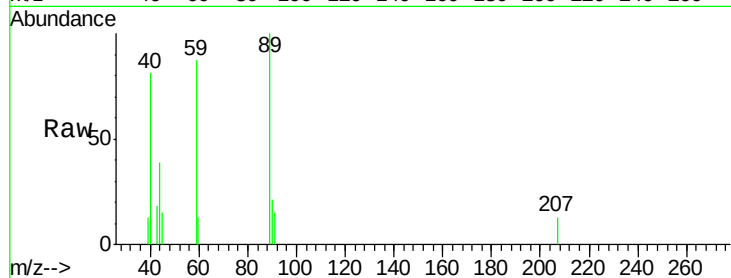




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

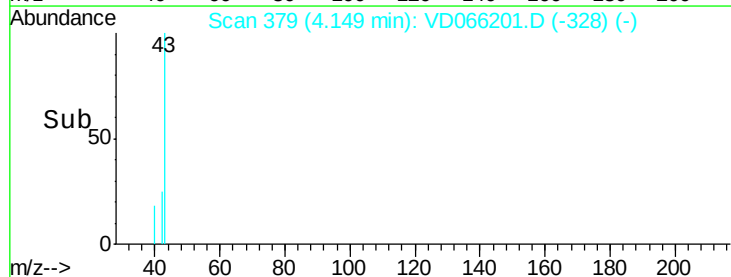
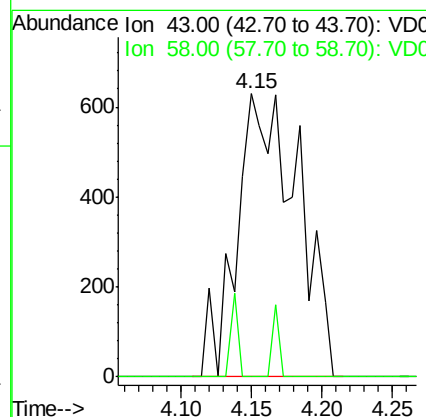
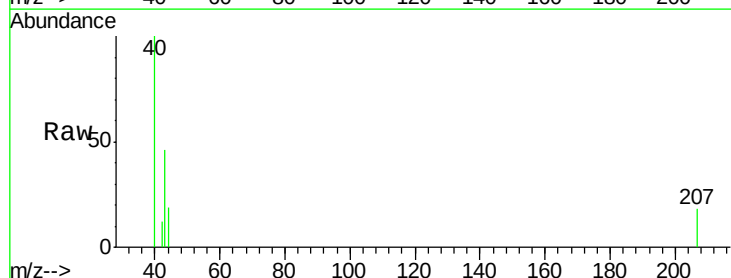
Instrument :
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ClientSampleId :
VD0812SBL01

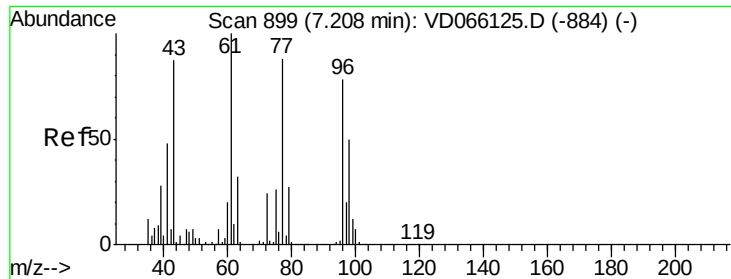
Tgt Ion: 59 Resp: 4059
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#16
Acetone
Concen: 4.121 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.00 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
58 0.0 24.7 37.1#





#25

2-Butanone

Concen: 1.939 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

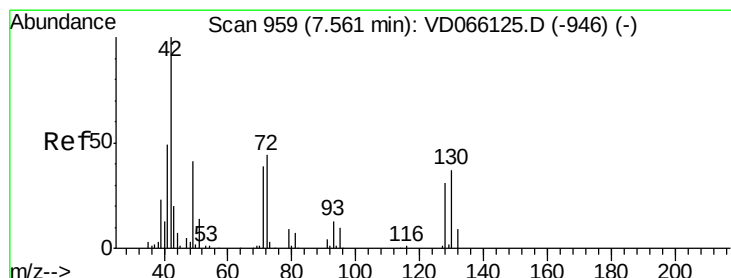
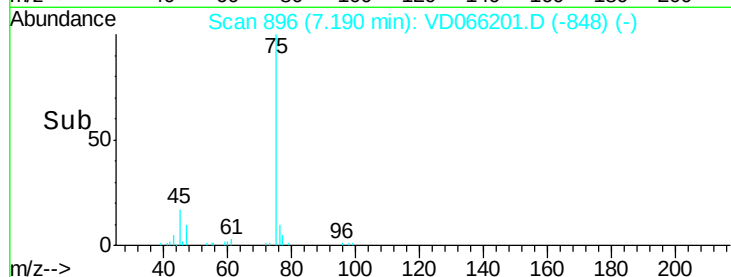
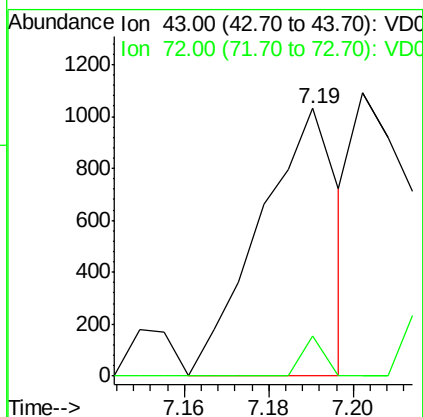
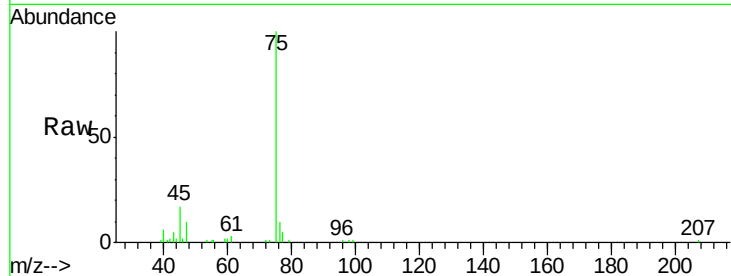
VD0812SBL01

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

43 100

72 14.8 22.2 33.2#



#29

Tetrahydrofuran

Concen: 1.846 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

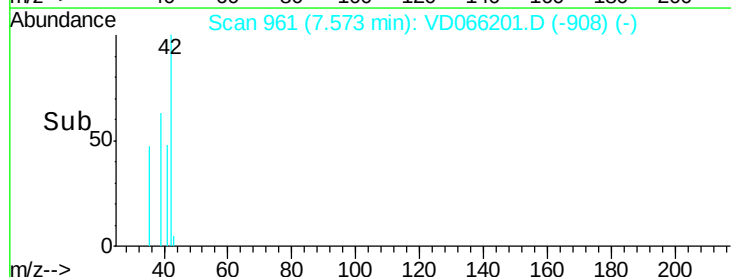
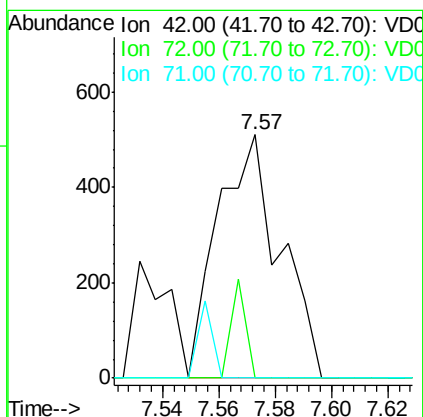
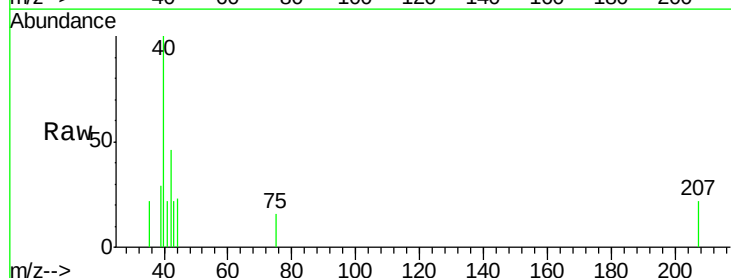
Tgt Ion: 42 Resp: 781

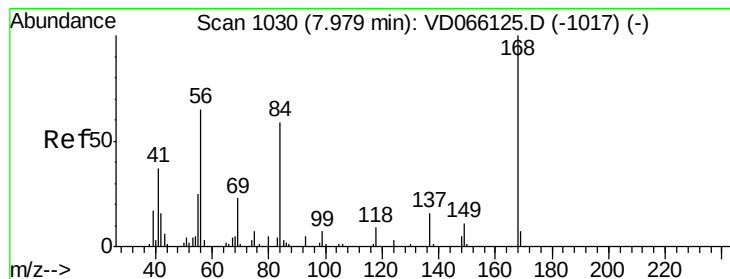
Ion Ratio Lower Upper

42 100

72 9.3 34.8 52.2#

71 7.3 33.5 50.3#





#31

Cyclohexane

Concen: 1.719 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBL01

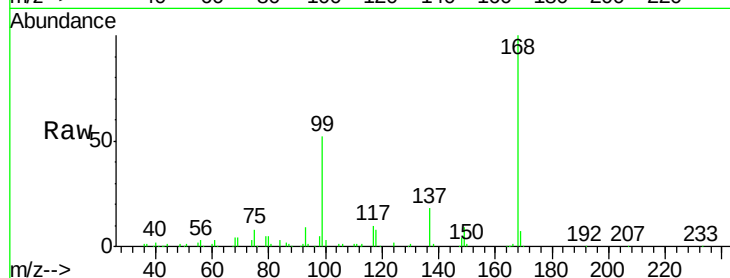
Tgt Ion: 56 Resp: 7367

Ion Ratio Lower Upper

56 100

69 140.9 28.8 43.2#

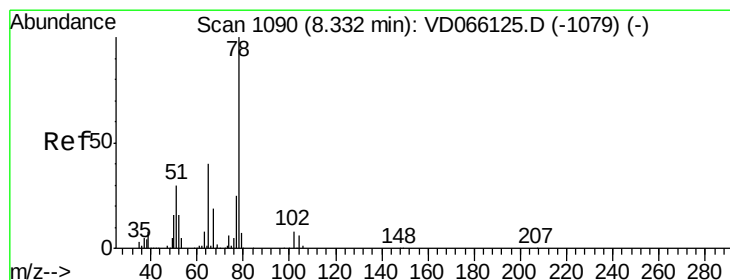
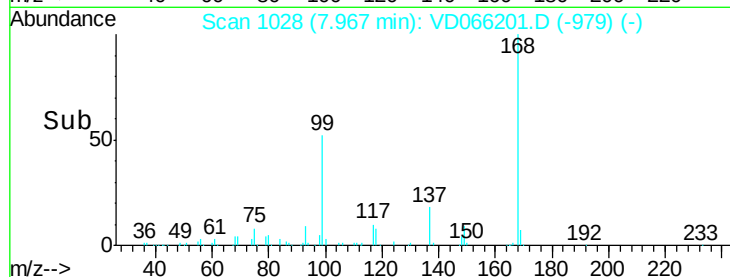
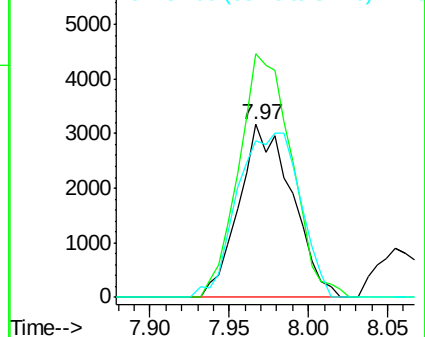
84 90.7 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 58.176 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066201.D

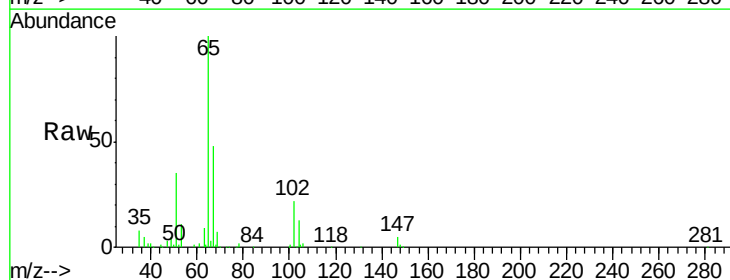
Acq: 12 Aug 2020 13:40

Tgt Ion: 65 Resp: 142331

Ion Ratio Lower Upper

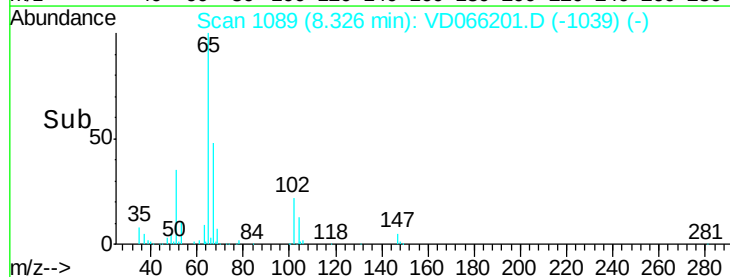
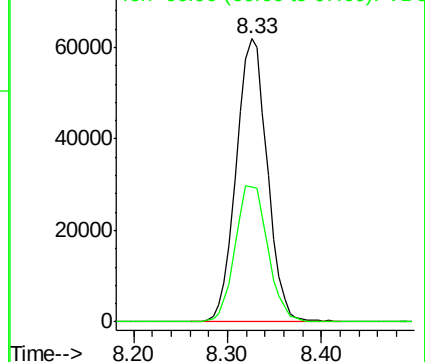
65 100

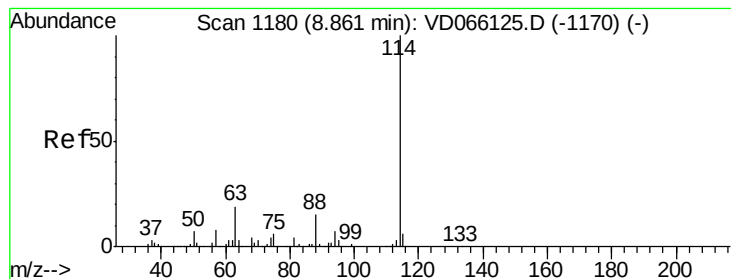
67 50.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

VD0812SBL01

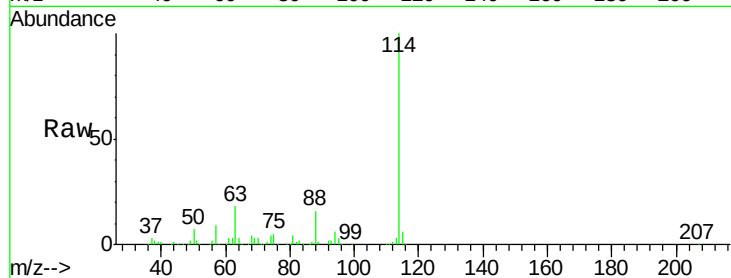
Tgt Ion:114 Resp: 403209

Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.6

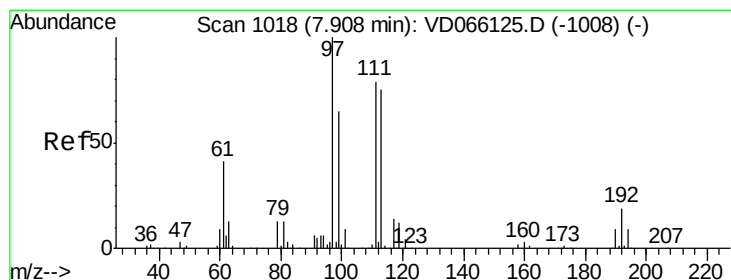
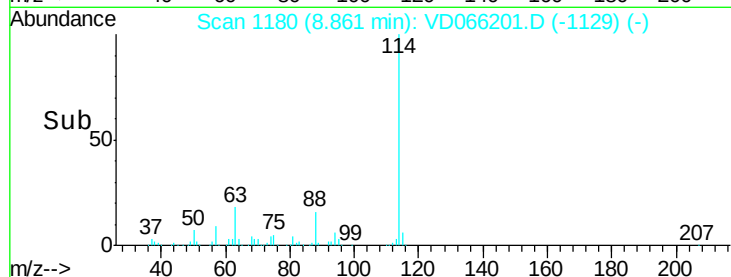
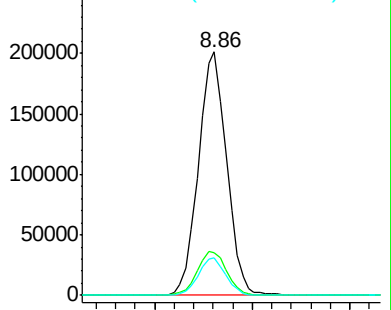
88 15.6 0.0 30.0



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: 56.337 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

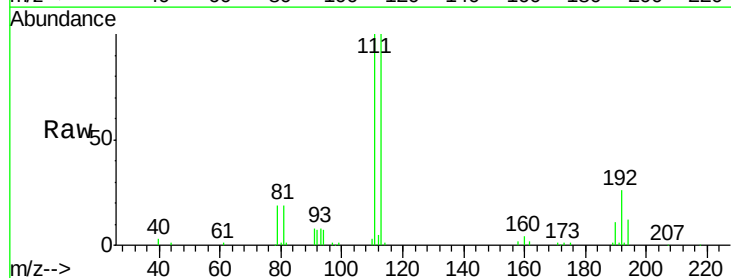
Tgt Ion:113 Resp: 143900

Ion Ratio Lower Upper

113 100

111 102.3 80.7 121.1

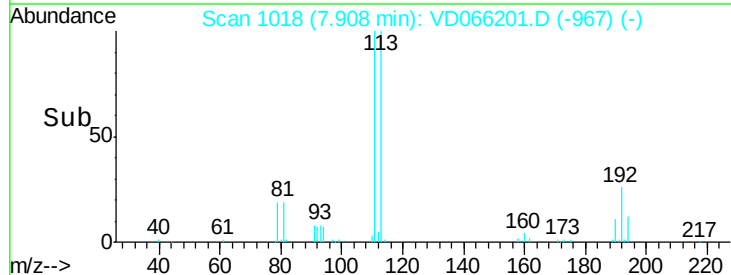
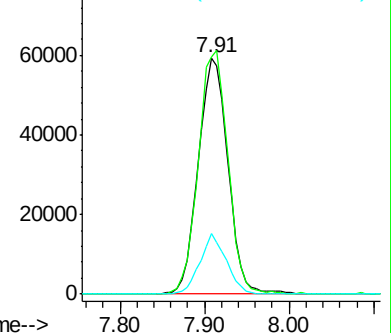
192 22.9 18.4 27.6

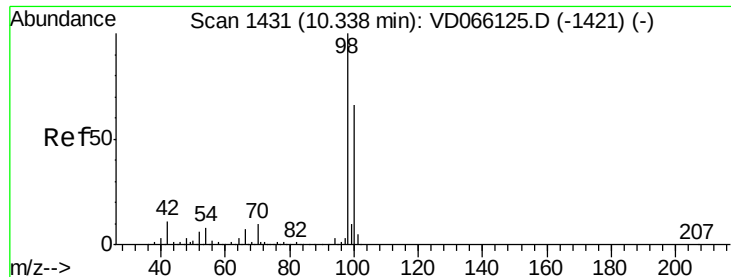


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

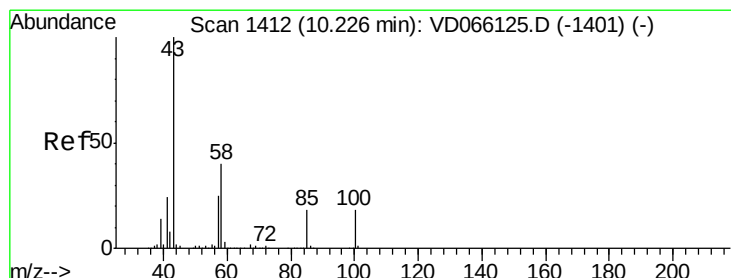
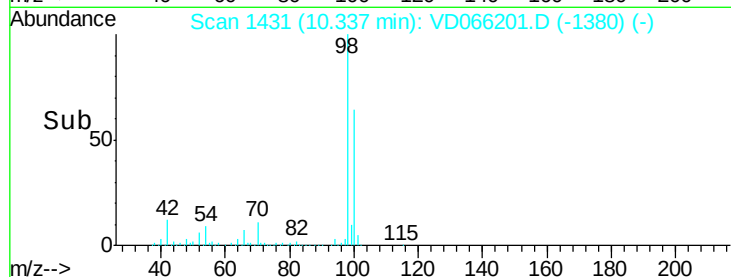
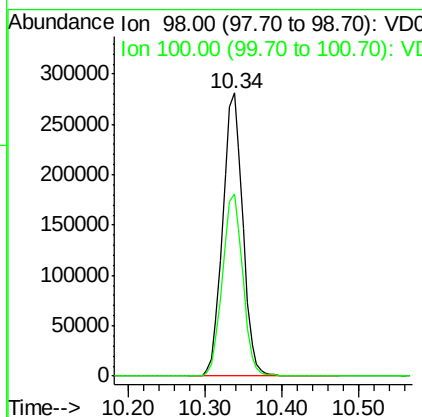
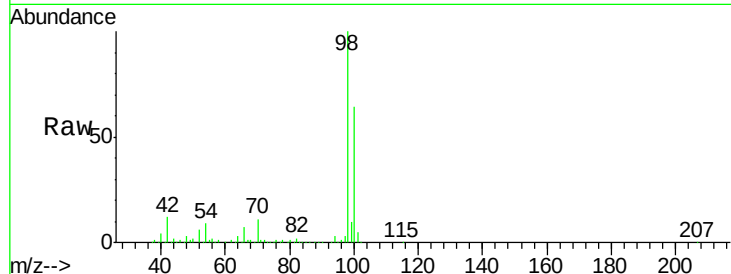




#50
Toluene-d8
Concen: 54.363 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

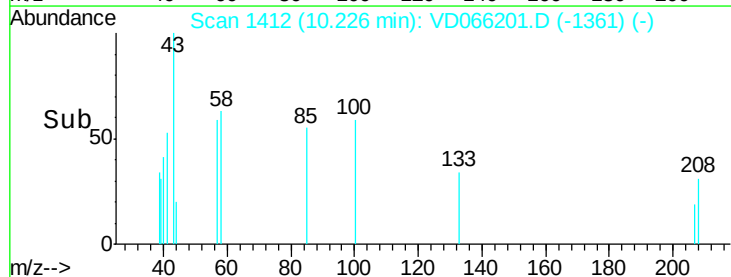
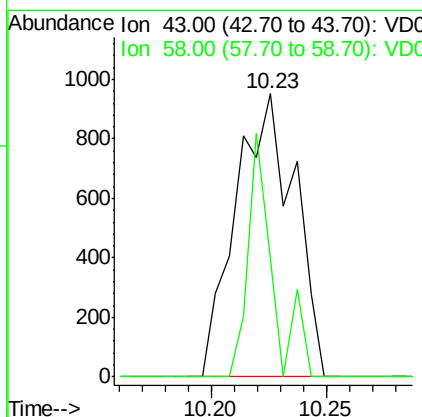
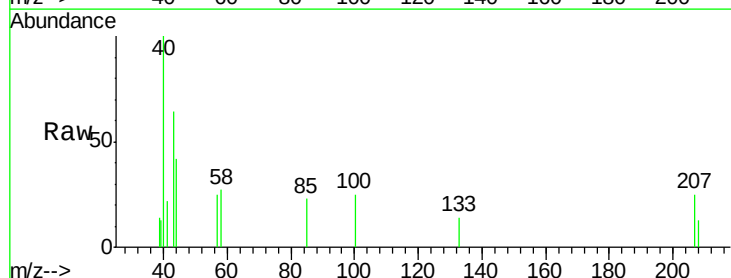
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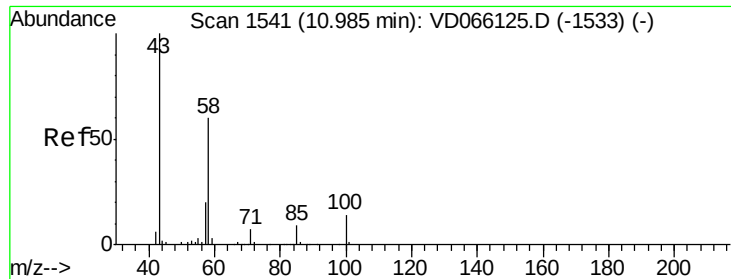
Tgt Ion: 98 Resp: 512418
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.106 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

Tgt Ion: 43 Resp: 1681
Ion Ratio Lower Upper
43 100
58 36.0 31.1 46.7

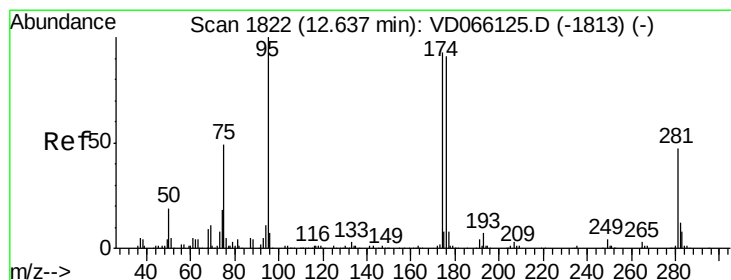
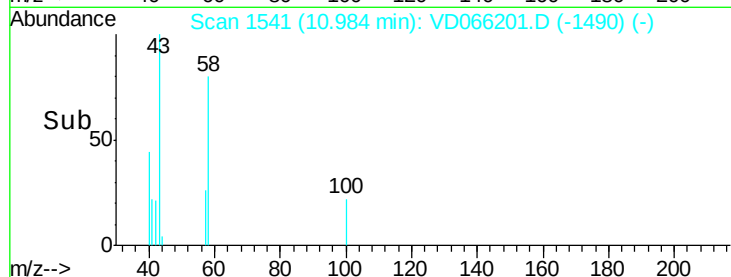
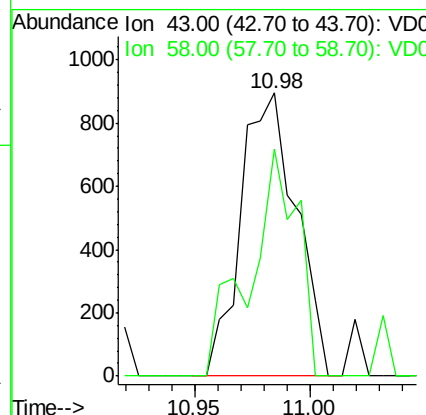
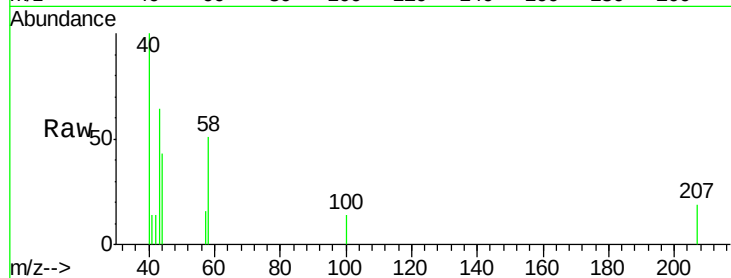




#59
2-Hexanone
Concen: 1.398 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

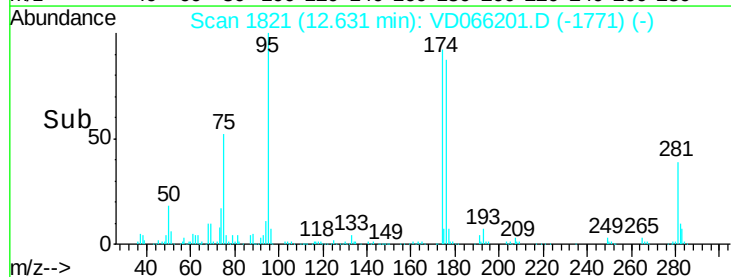
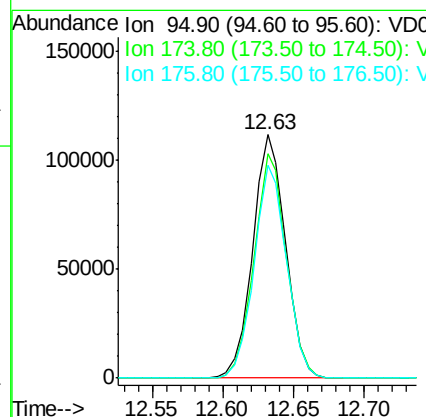
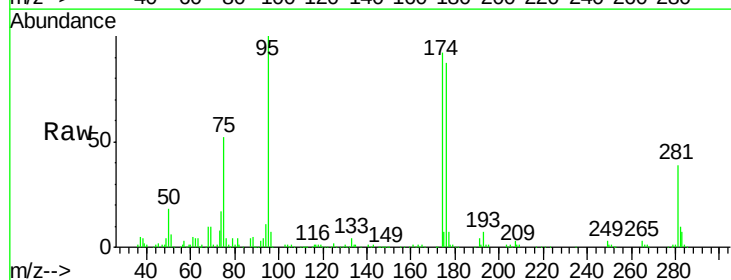
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBL01

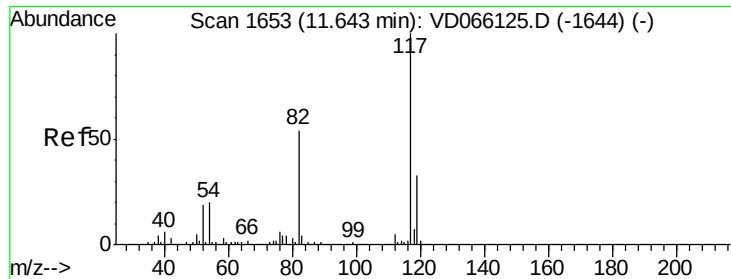
Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
58 69.8 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 53.475 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

Tgt Ion: 95 Resp: 181692
Ion Ratio Lower Upper
95 100
174 90.9 0.0 180.8
176 86.7 0.0 181.2

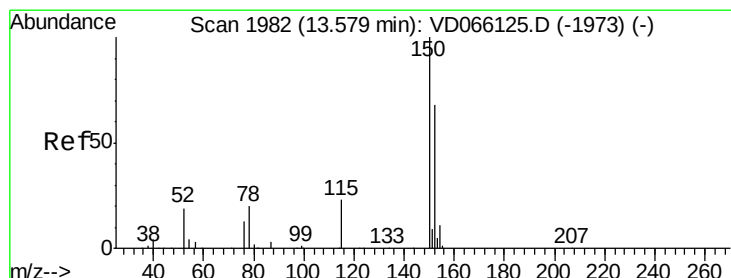
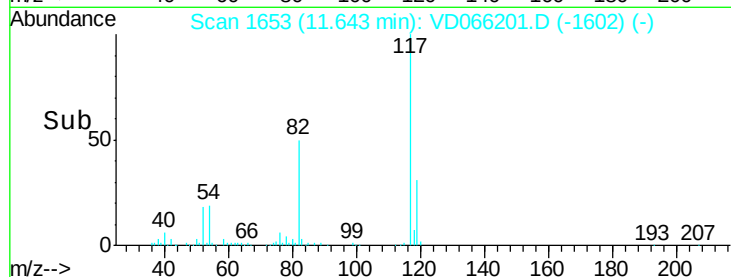
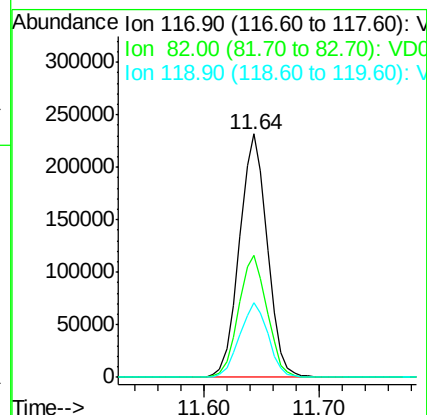
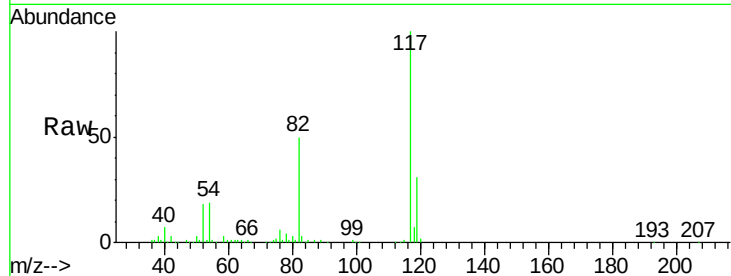




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

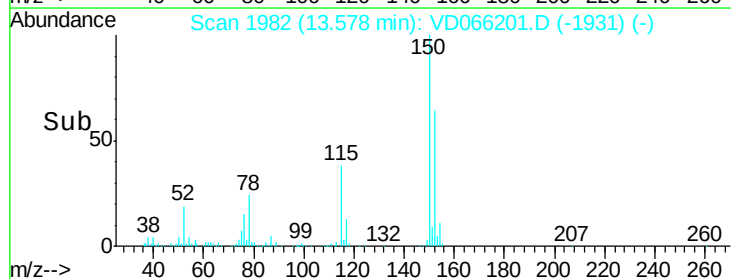
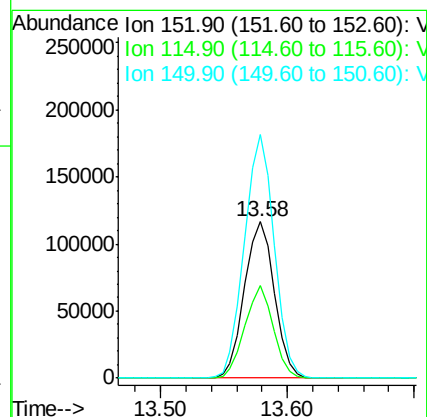
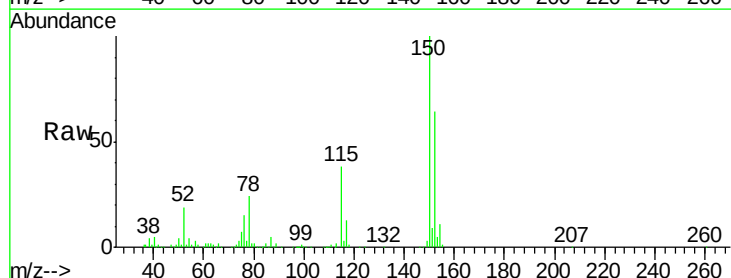
Instrument :
MSVOA_D
ClientSampleId :
VD0812SBL01

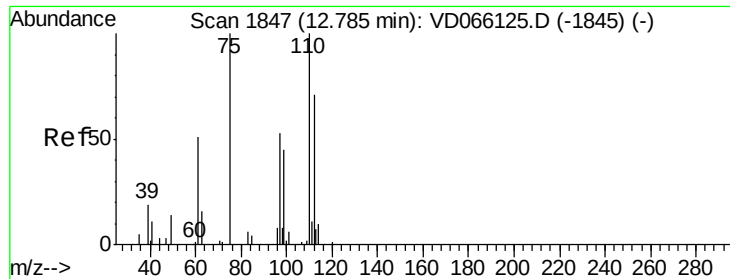
Tgt Ion:117 Resp: 385828
Ion Ratio Lower Upper
117 100
82 50.1 43.0 64.4
119 30.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066201.D
Acq: 12 Aug 2020 13:40

Tgt Ion:152 Resp: 191206
Ion Ratio Lower Upper
152 100
115 56.1 28.0 83.9
150 155.0 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 57.972 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :

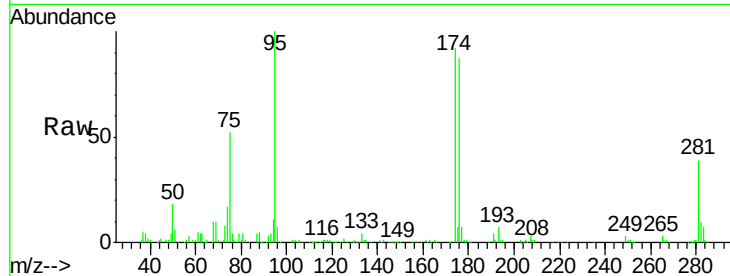
VD0812SBL01

Tgt Ion: 75 Resp: 92437

Ion Ratio Lower Upper

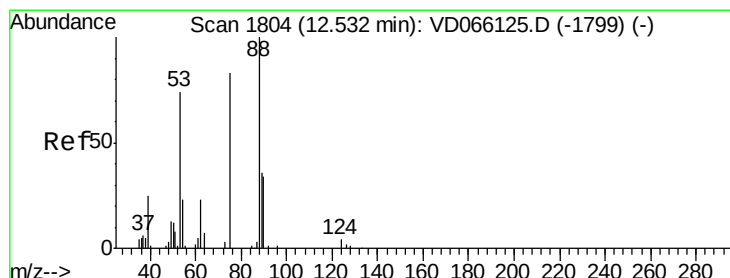
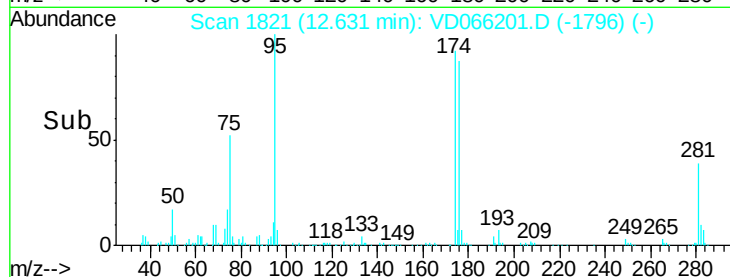
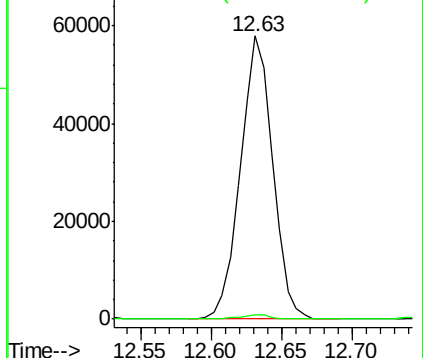
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.150 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

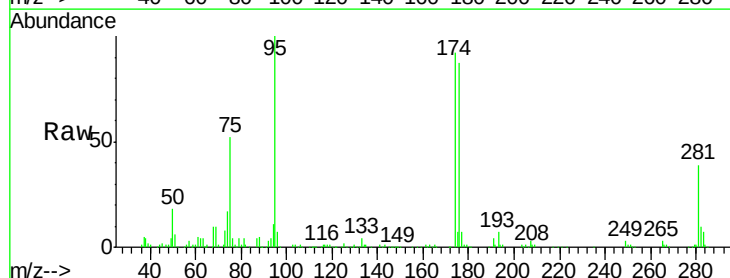
Tgt Ion: 75 Resp: 92437

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.6 36.6 55.0#



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

