

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065087.D
 Acq On : 06 Feb 2020 15:25
 Operator : VA/SY
 Sample : L1394-04
 Misc : 5.090G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:09:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

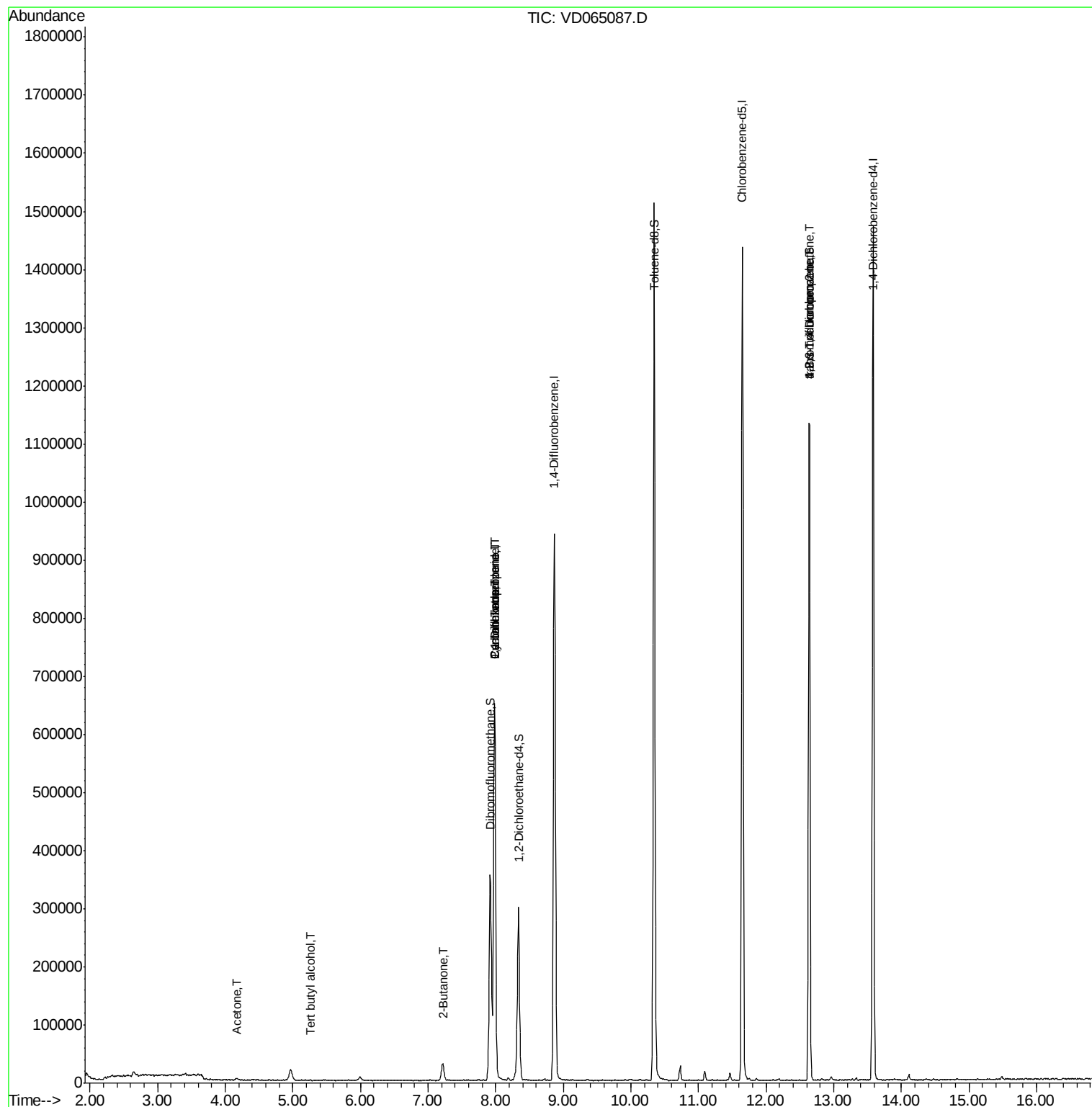
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	811275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	806544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	384084	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	230791	55.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.92%	
35) Dibromofluoromethane	7.92	113	247616	54.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.40%	
50) Toluene-d8	10.34	98	1008219	55.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.92%	
62) 4-Bromofluorobenzene	12.64	95	343868	60.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.25	59	561	2.207	ug/l #	71
16) Acetone	4.17	43	5638	5.419	ug/l #	81
20) Methylene Chloride	4.97	84	13947	Below Cal	#	87
25) 2-Butanone	7.21	43	2400	1.934	ug/l	98
31) Cyclohexane	7.98	56	11371	1.374	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	37109	4.919	ug/l #	48
38) Carbon Tetrachloride	7.98	117	46529	6.039	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	180157	61.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	180157	123.903	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065087.D

Acq: 06 Feb 2020 15:25

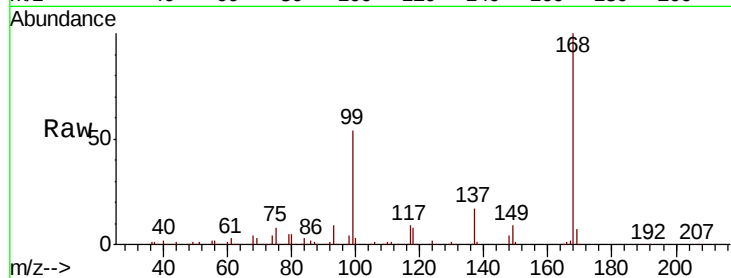
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 489583

Ion Ratio Lower Upper

168 100

99 54.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

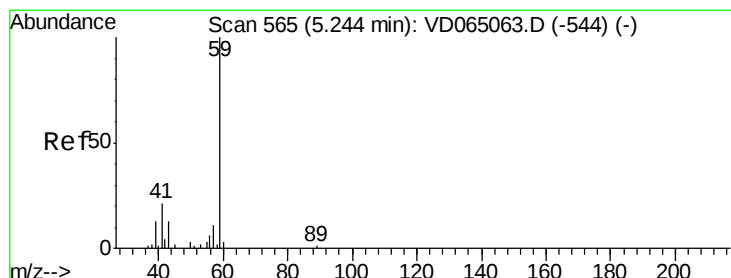
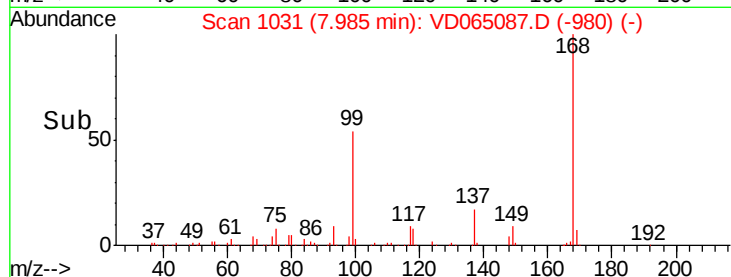
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.207 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065087.D

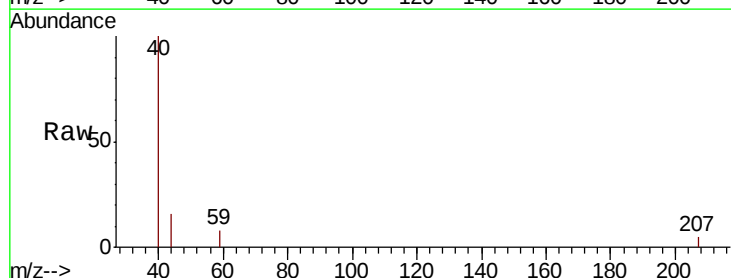
Acq: 06 Feb 2020 15:25

Tgt Ion: 59 Resp: 561

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

300

250

200

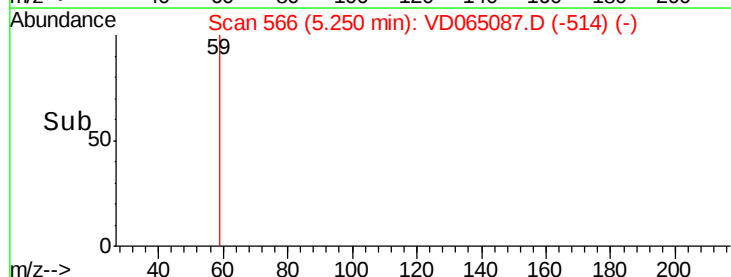
150

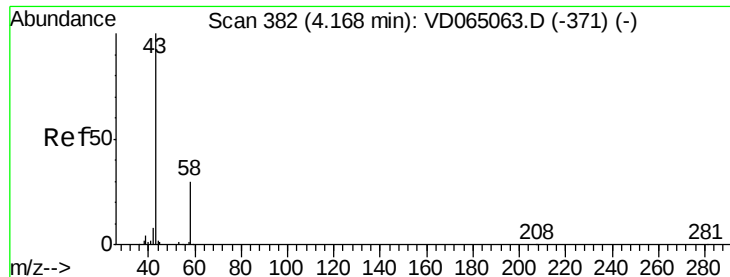
100

50

0

Time-->





#16

Acetone

Concen: 5.419 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065087.D

Acq: 06 Feb 2020 15:25

Instrument :

MSVOA_D

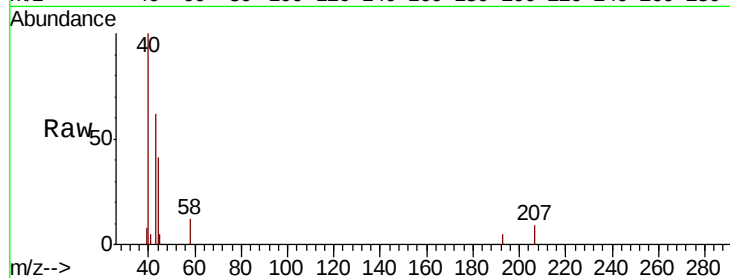
ClientSampled :

Tot Ion: 43 Resp: 5638

Ion Ratio Lower Upper

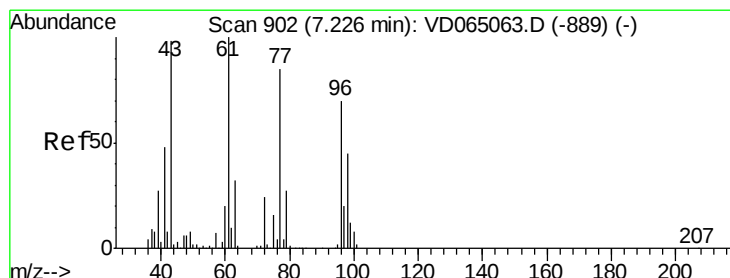
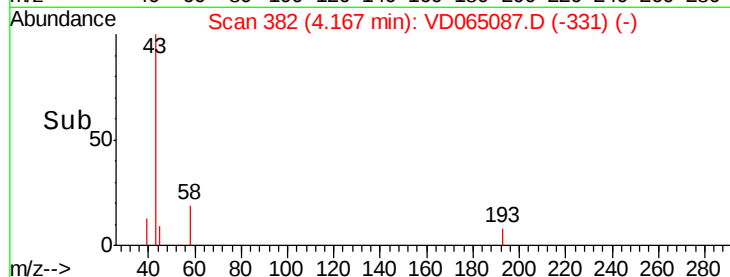
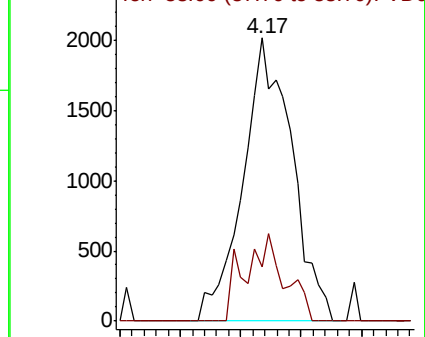
43 100

58 19.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 1.934 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065087.D

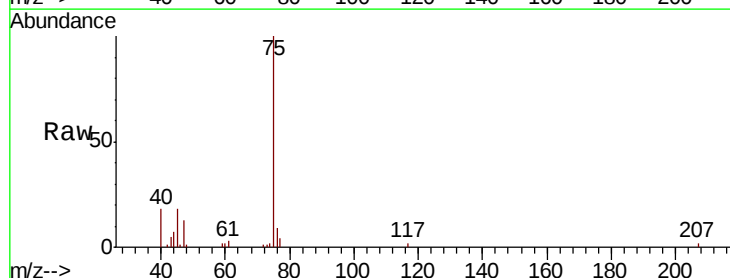
Acq: 06 Feb 2020 15:25

Tgt Ion: 43 Resp: 2400

Ion Ratio Lower Upper

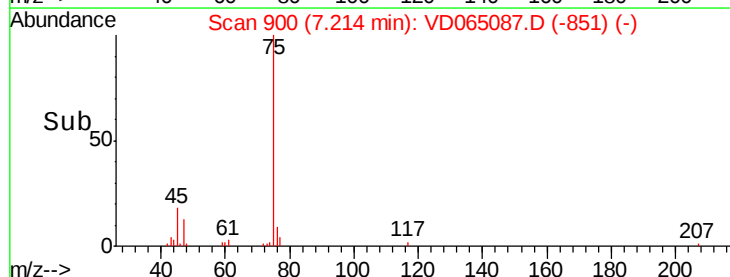
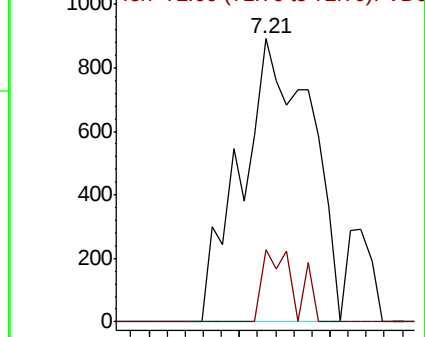
43 100

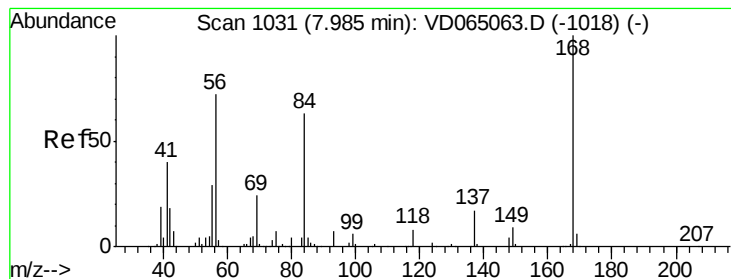
72 25.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.374 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065087.D

Acq: 06 Feb 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :

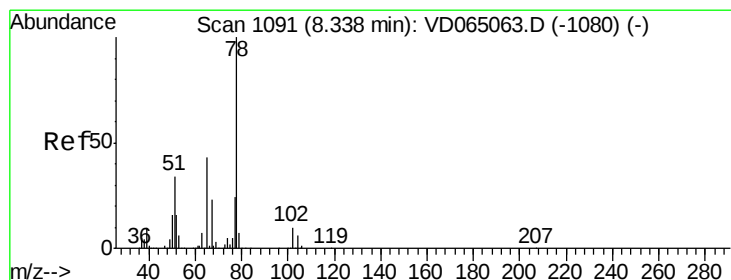
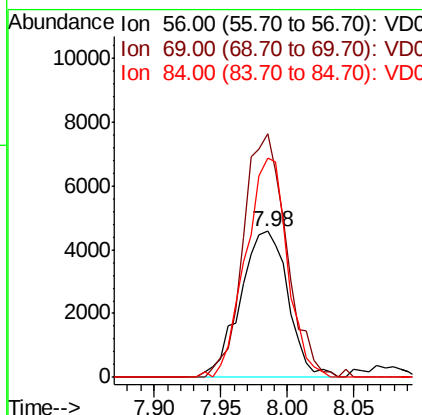
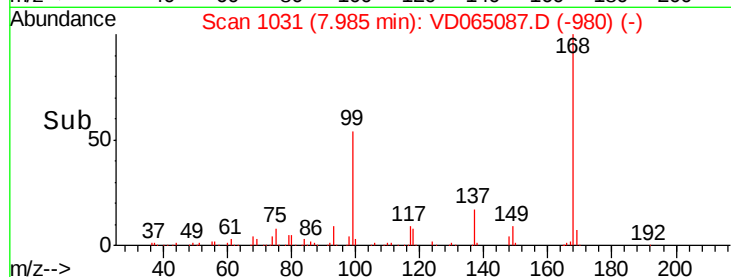
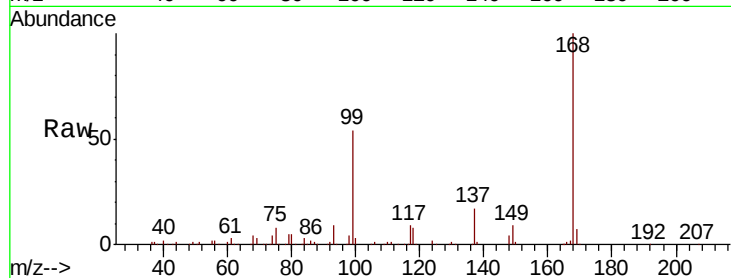
Tot Ion: 56 Resp: 11371

Ion Ratio Lower Upper

56 100

69 167.1 26.6 40.0#

84 155.6 70.6 106.0#



#33

1,2-Dichloroethane-d4

Concen: 55.465 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065087.D

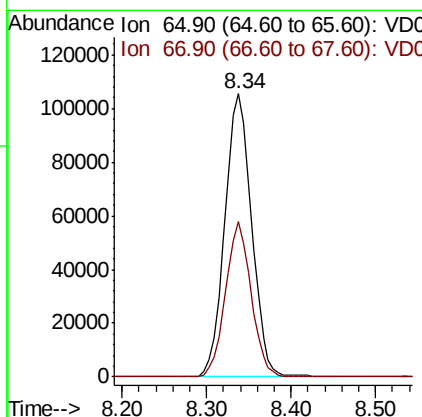
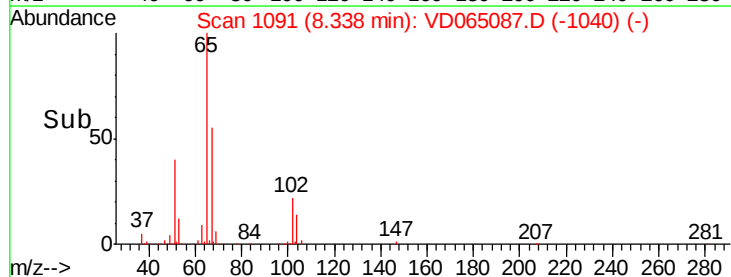
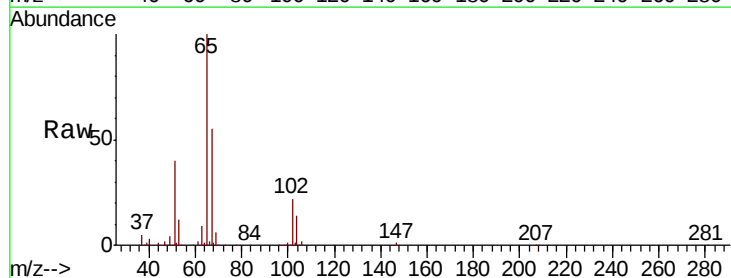
Acq: 06 Feb 2020 15:25

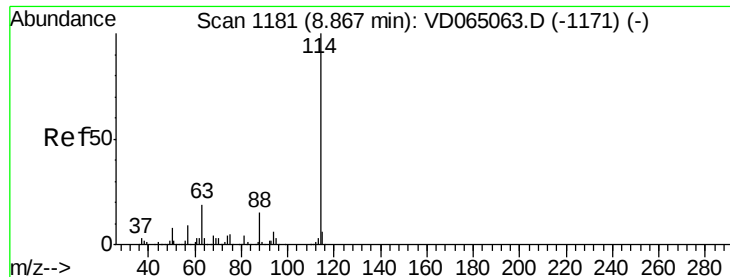
Tgt Ion: 65 Resp: 230791

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8

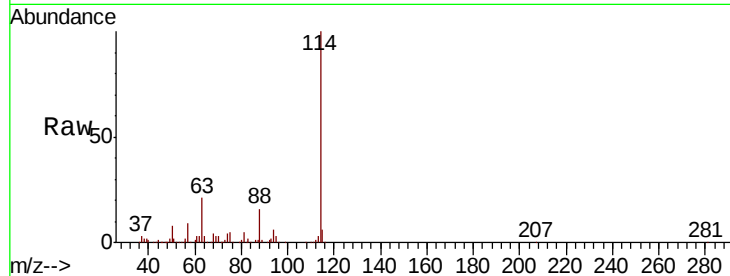




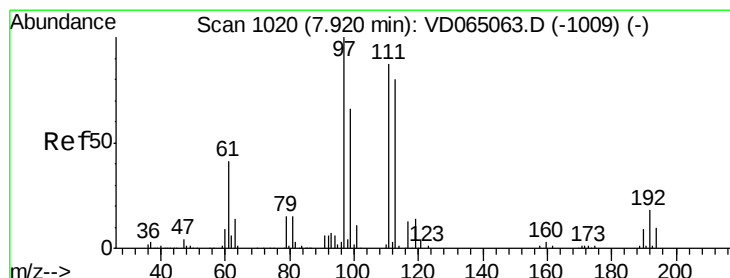
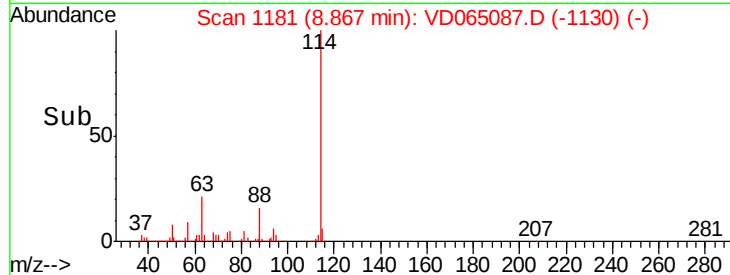
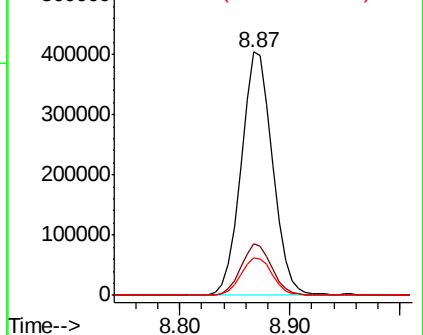
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD065087.D
Acq: 06 Feb 2020 15:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:114 Resp: 811275
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.8
88 15.6 0.0 29.6

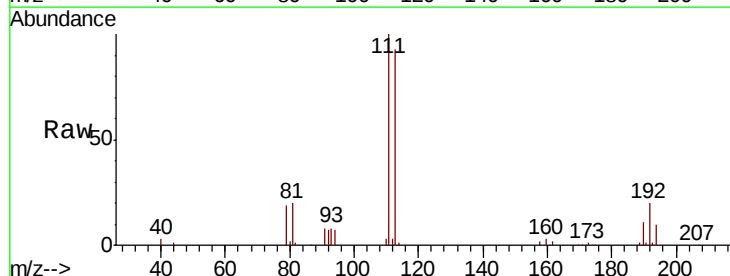


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

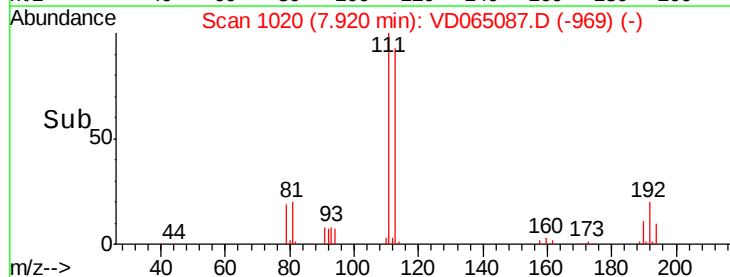
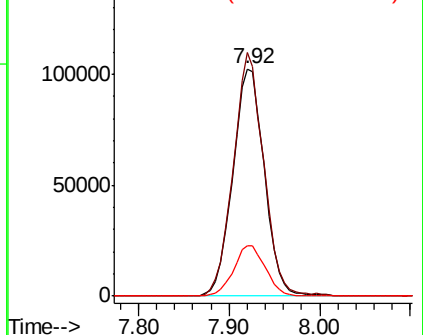


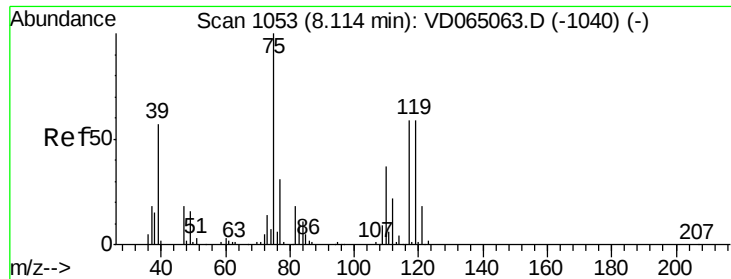
#35
Dibromofluoromethane
Concen: 54.705 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065087.D
Acq: 06 Feb 2020 15:25

Tgt Ion:113 Resp: 247616
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 22.2 18.1 27.1



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

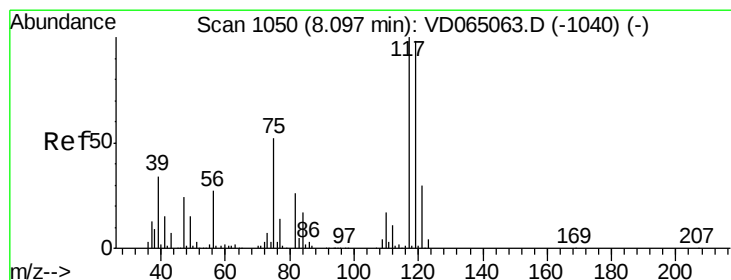
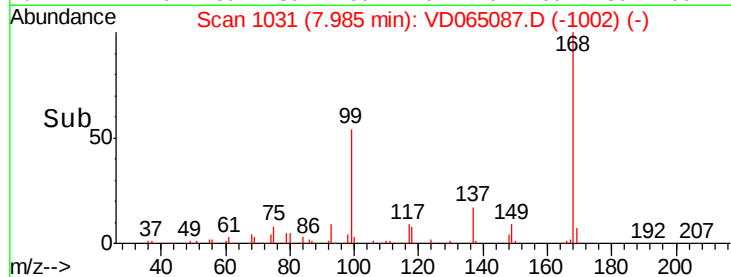
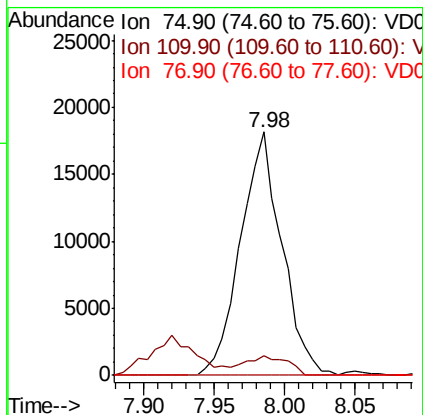
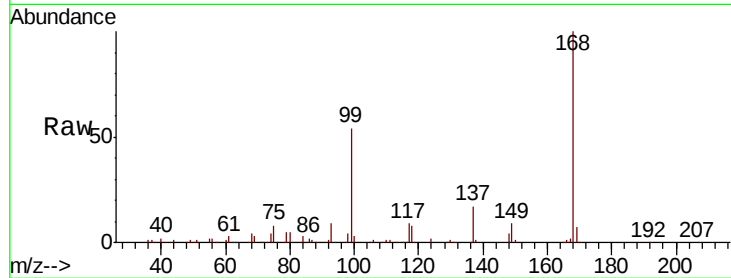




#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065087.D
 Acq: 06 Feb 2020 15:25

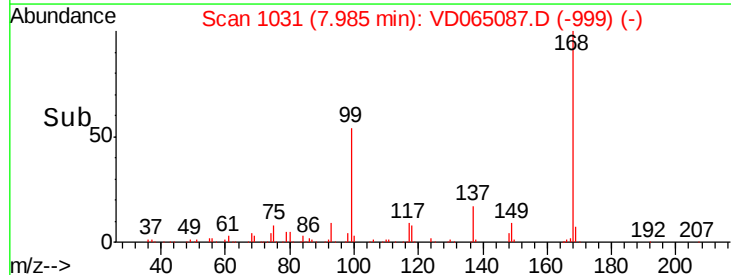
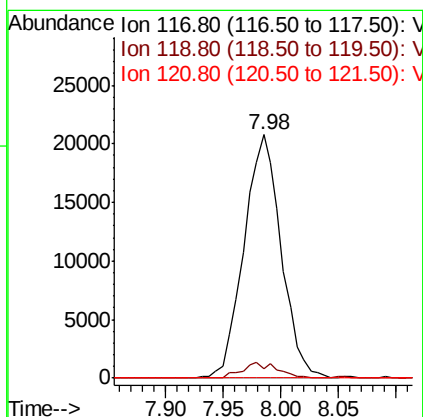
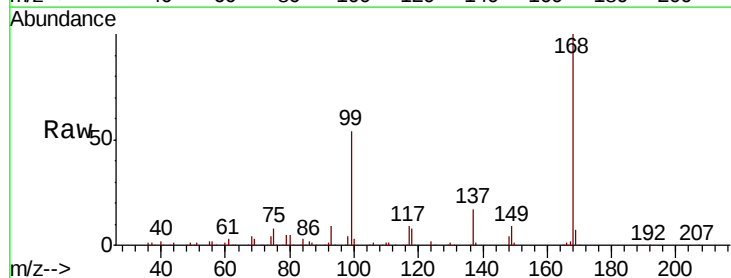
Instrument :
 MSVOA_D
 ClientSampleID :

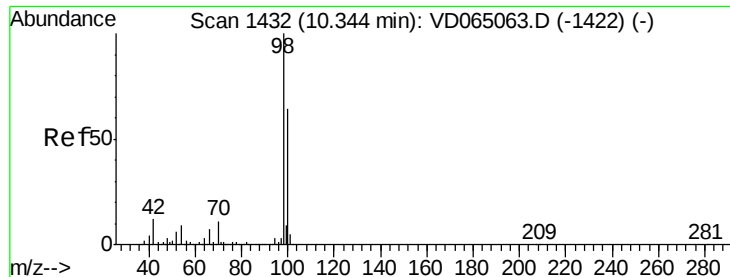
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.039 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065087.D
 Acq: 06 Feb 2020 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	78.5	117.7#
121	0.0	23.8	35.6#

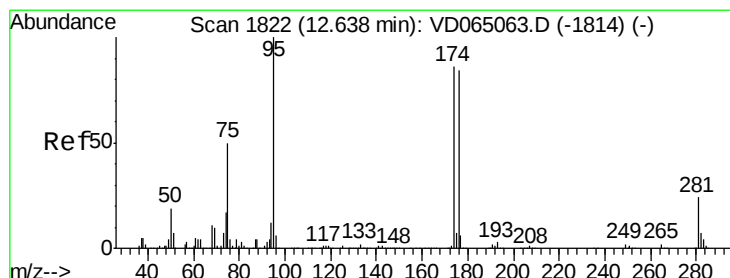
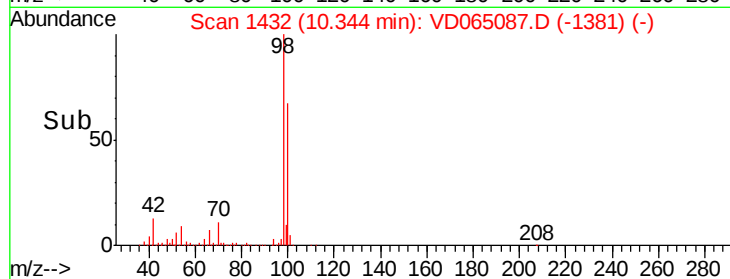
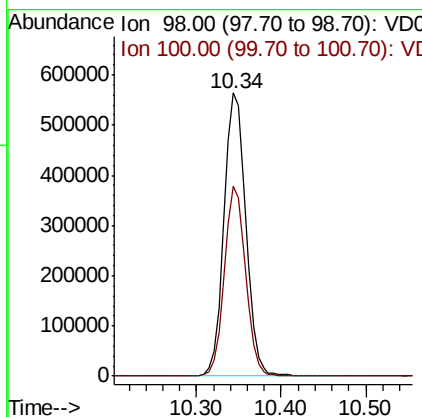
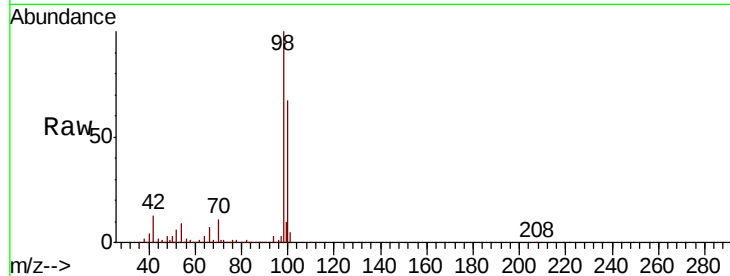




#50
Toluene-d8
Concen: 55.961 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065087.D
Acq: 06 Feb 2020 15:25

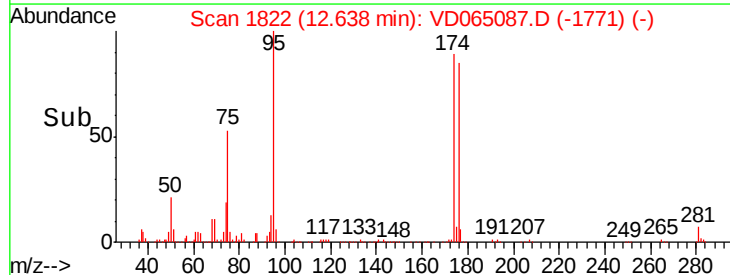
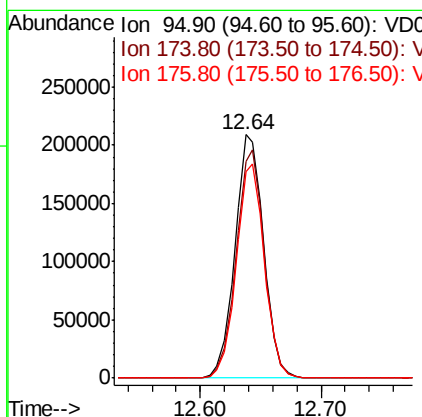
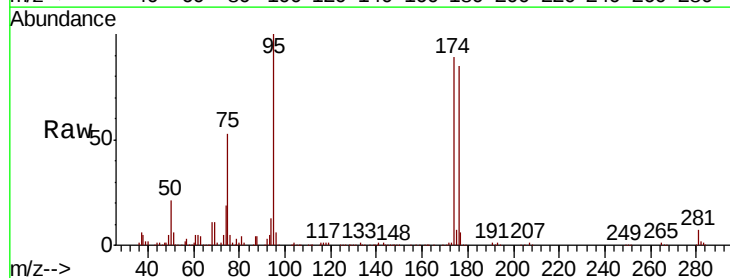
Instrument :
MSVOA_D
ClientSampleId :

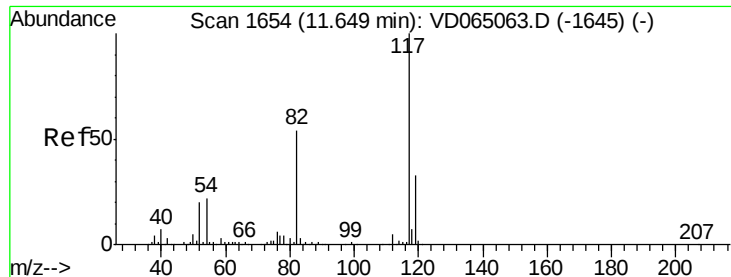
Tot Ion: 98 Resp: 1008219
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 60.235 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065087.D
Acq: 06 Feb 2020 15:25

Tgt Ion: 95 Resp: 343868
Ion Ratio Lower Upper
95 100
174 92.2 0.0 180.0
176 86.7 0.0 173.2

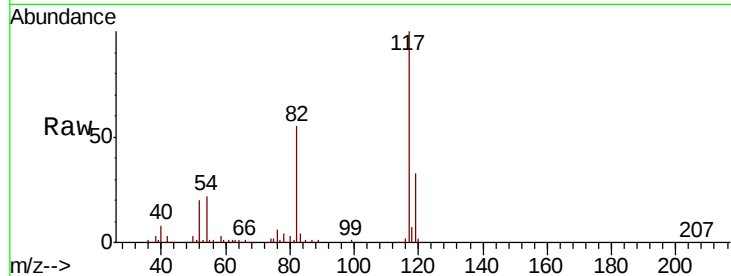




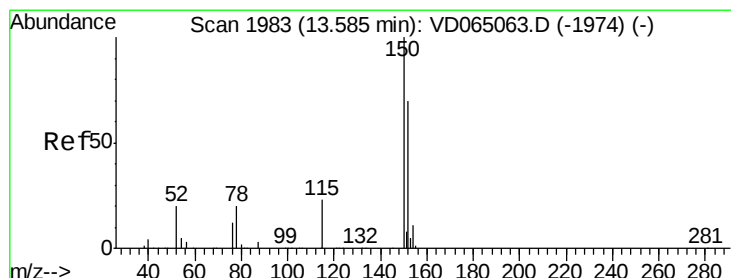
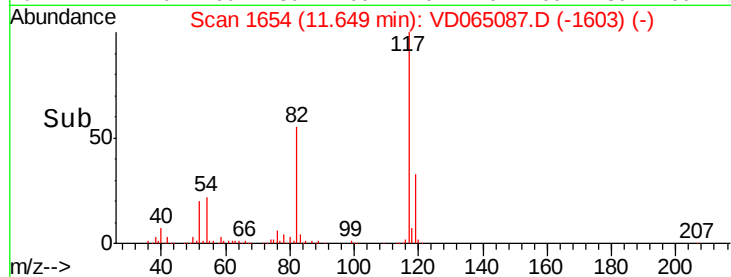
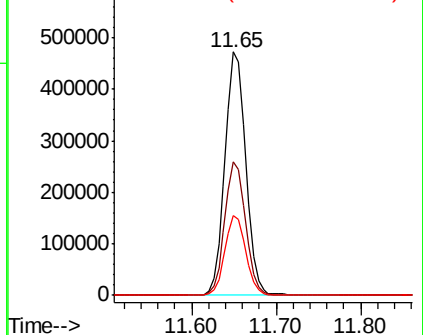
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065087.D
Acq: 06 Feb 2020 15:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 806544
Ion Ratio Lower Upper
117 100
82 54.9 43.1 64.7
119 32.6 26.0 39.0

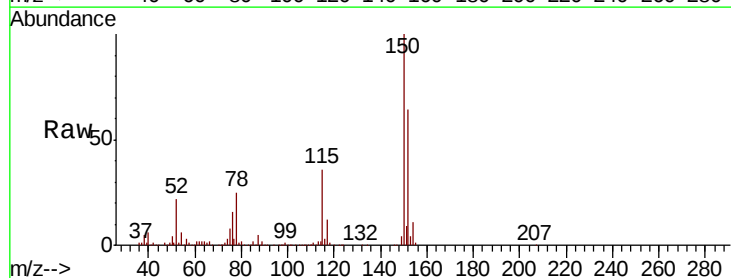


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

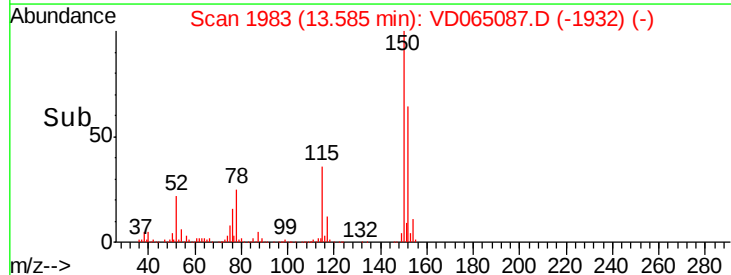
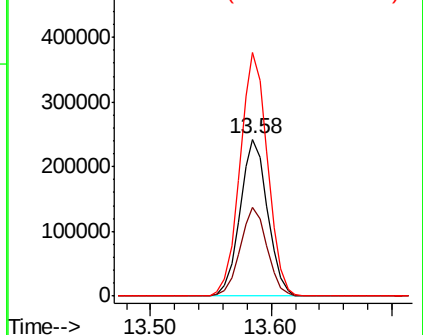


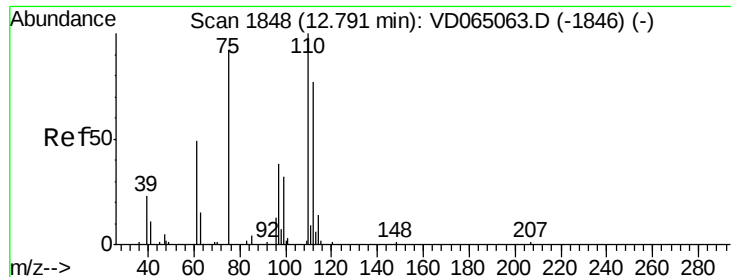
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065087.D
Acq: 06 Feb 2020 15:25

Tgt Ion:152 Resp: 384084
Ion Ratio Lower Upper
152 100
115 55.8 27.5 82.4
150 156.1 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.954 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065087.D

Acq: 06 Feb 2020 15:25

Instrument :

MSVOA_D

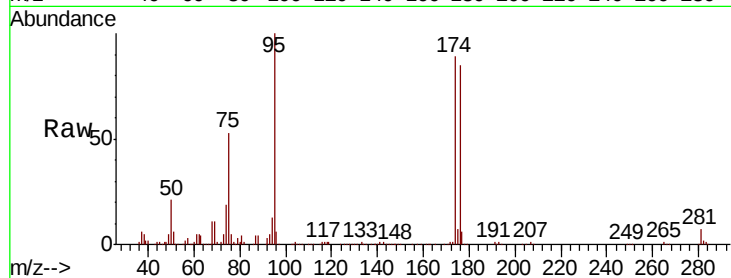
ClientSampleId :

Tot Ion: 75 Resp: 180157

Ion Ratio Lower Upper

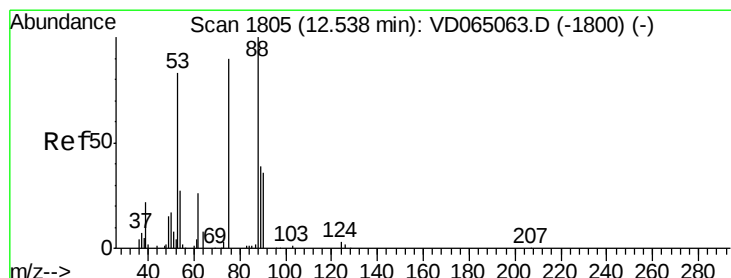
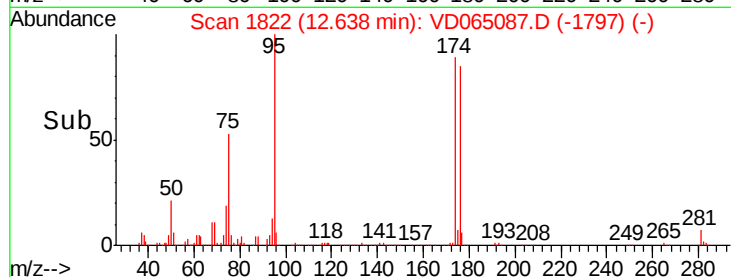
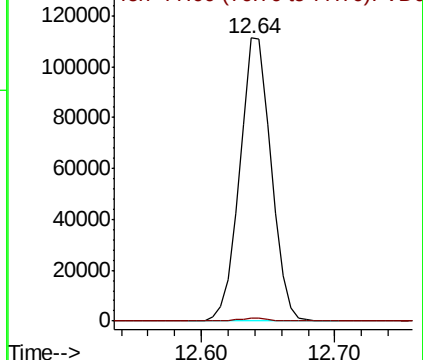
75 100

77 1.2 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: 123.903 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065087.D

Acq: 06 Feb 2020 15:25

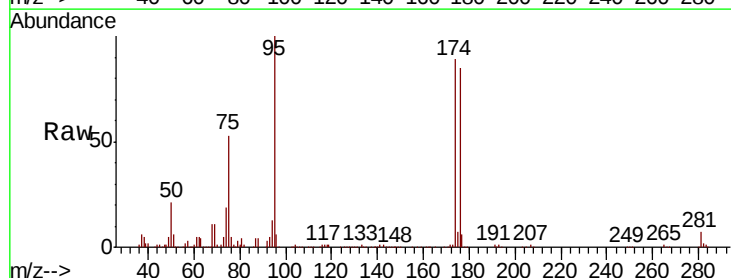
Tgt Ion: 75 Resp: 180157

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

