

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065103.D
 Acq On : 07 Feb 2020 11:53
 Operator : VA/SY
 Sample : VD0207SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:05:56 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

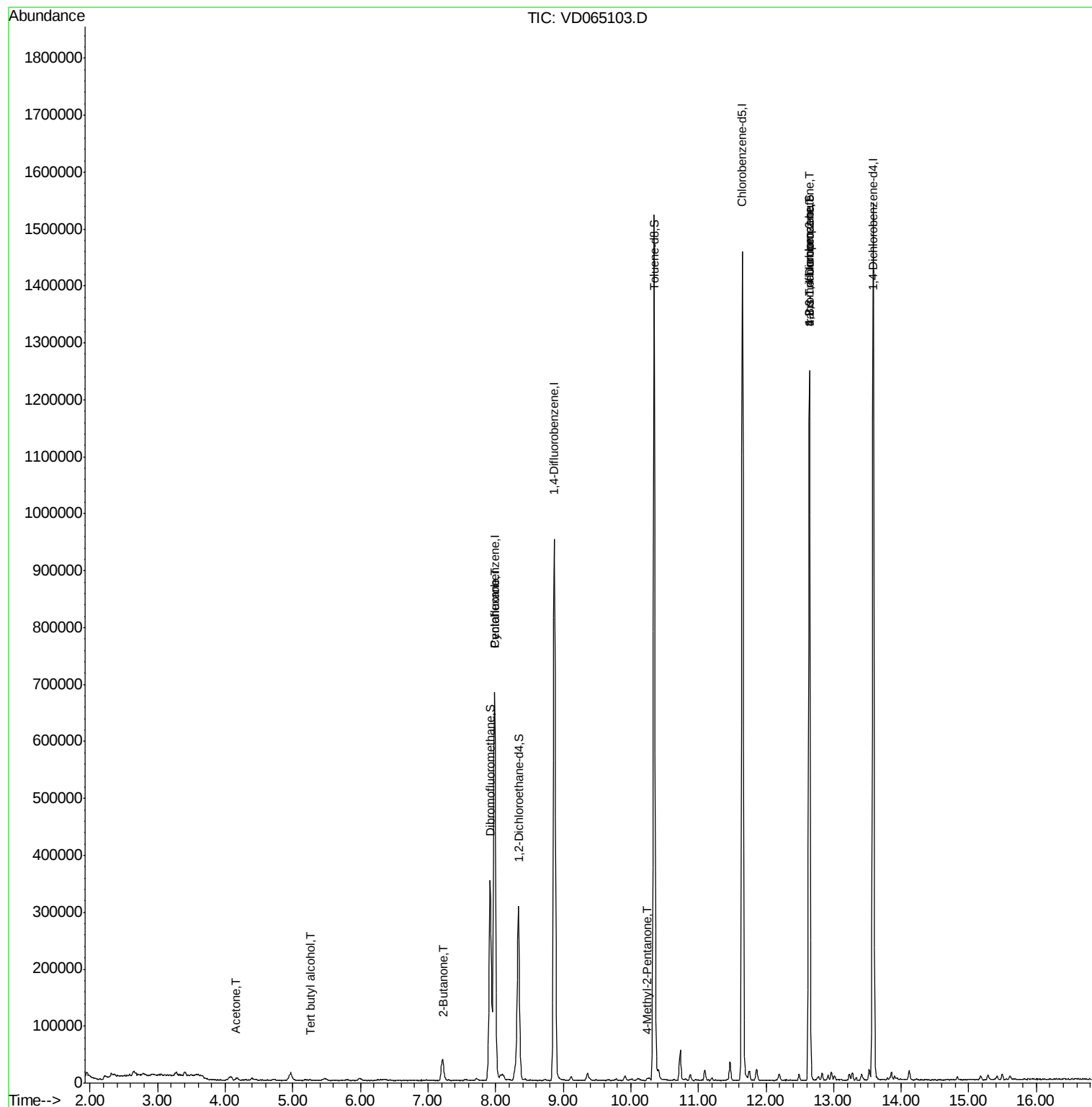
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	521702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	817700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	835014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	419388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	242467	54.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.36%	
35) Dibromofluoromethane	7.92	113	247889	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
50) Toluene-d8	10.34	98	1015307	55.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.82%	
62) 4-Bromofluorobenzene	12.64	95	366932	63.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.26	59	609	2.248	ug/l #	71
16) Acetone	4.16	43	6339	5.718	ug/l #	70
20) Methylene Chloride	4.96	84	9212	Below Cal		94
25) 2-Butanone	7.23	43	3621	2.738	ug/l	93
31) Cyclohexane	7.98	56	14338	1.625	ug/l #	28
51) 4-Methyl-2-Pentanone	10.24	43	2944	1.007	ug/l #	81
58) 2-Chloroethyl Vinyl ether	9.94	63	207	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	193461	60.929	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	193461	121.852	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: VD065103.D

Acq: 07 Feb 2020 11:53

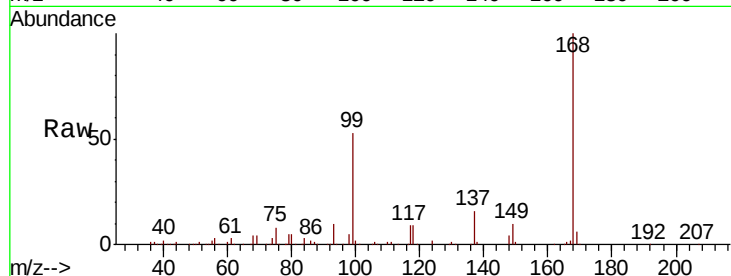
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 521702

Ion Ratio Lower Upper

168 100

99 52.6 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

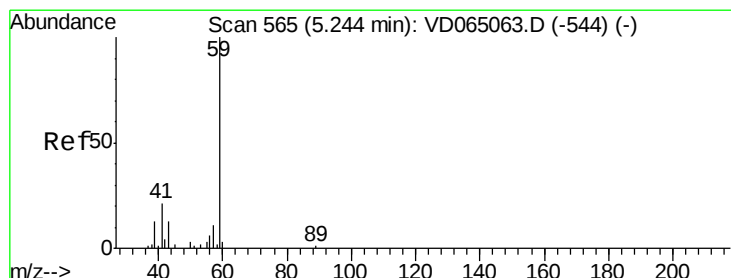
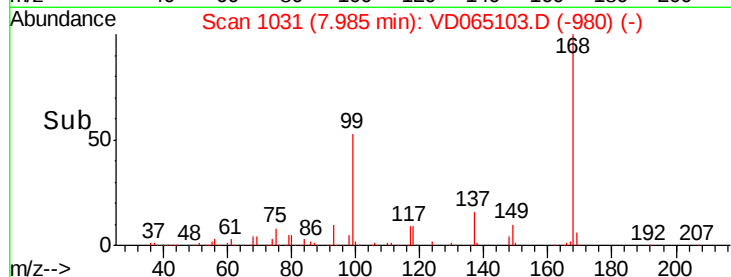
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.248 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD065103.D

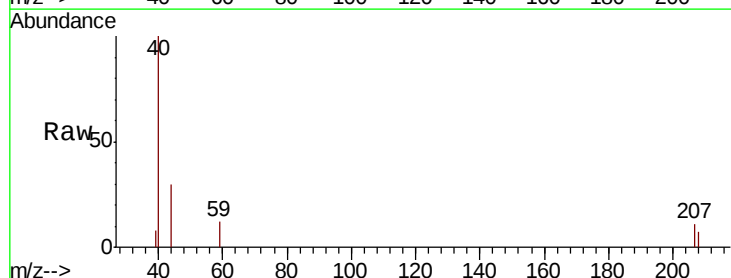
Acq: 07 Feb 2020 11:53

Tgt Ion: 59 Resp: 609

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

5.26

400

300

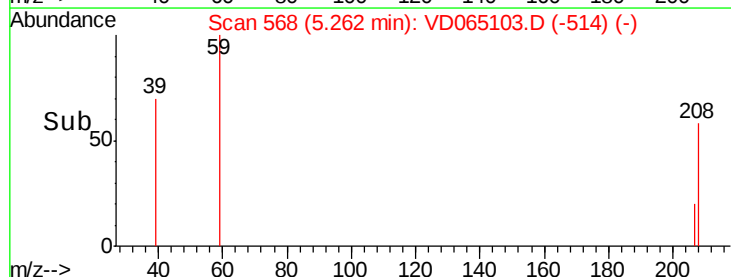
200

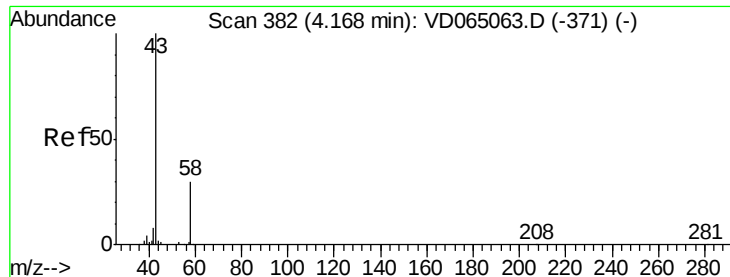
100

0

Time-->

5.20 5.22 5.24 5.26 5.28





#16

Acetone

Concen: 5.718 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065103.D

Acq: 07 Feb 2020 11:53

Instrument :

MSVOA_D

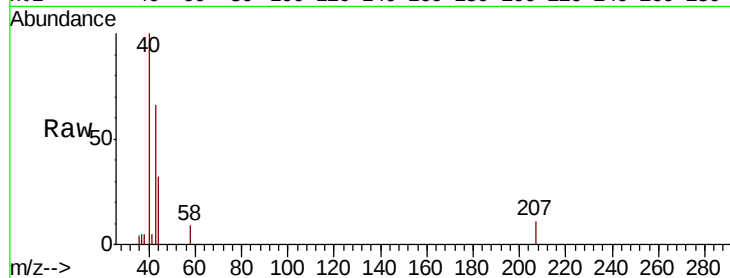
ClientSampleId :

Tot Ion: 43 Resp: 6339

Ion Ratio Lower Upper

43 100

58 13.5 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

2500

2000

1500

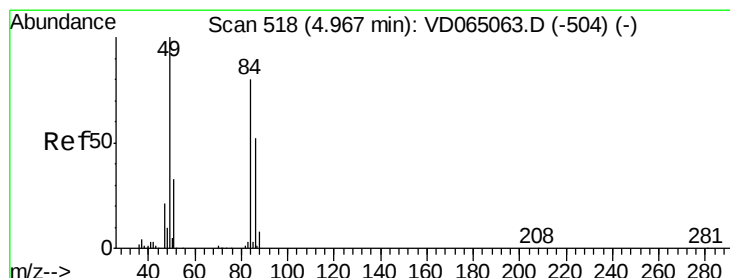
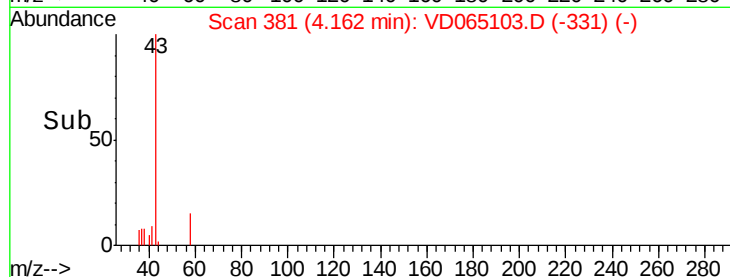
1000

500

0

4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065103.D

Acq: 07 Feb 2020 11:53

Tgt Ion: 84 Resp: 9212

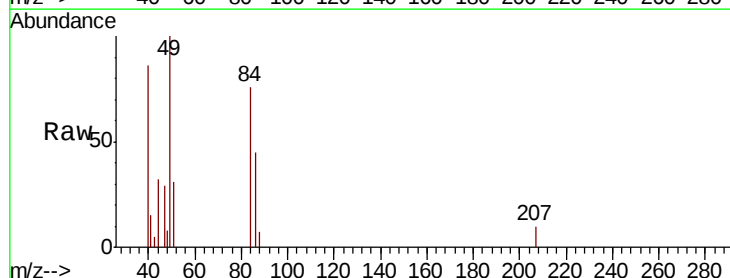
Ion Ratio Lower Upper

84 100

49 132.4 100.4 150.6

51 40.5 32.7 49.1

86 59.3 52.4 78.6



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.96

6000

5000

4000

3000

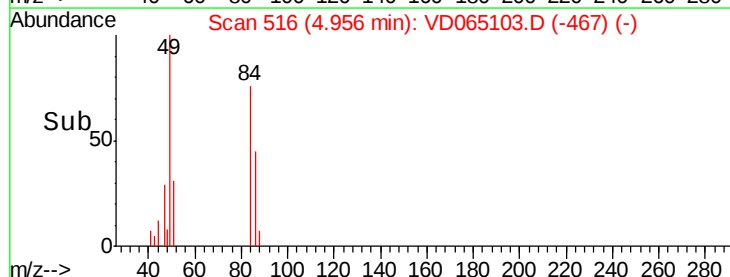
2000

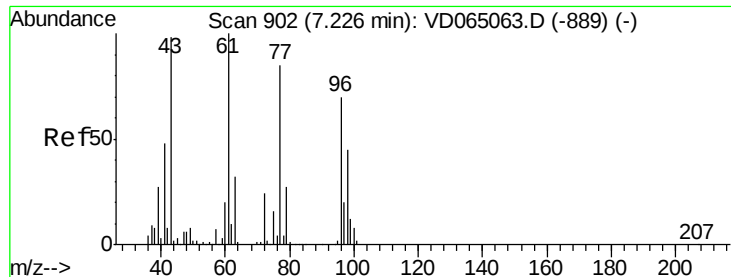
1000

0

4.90 5.00

Time-->





#25

2-Butanone

Concen: 2.738 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065103.D

Acq: 07 Feb 2020 11:53

Instrument :

MSVOA_D

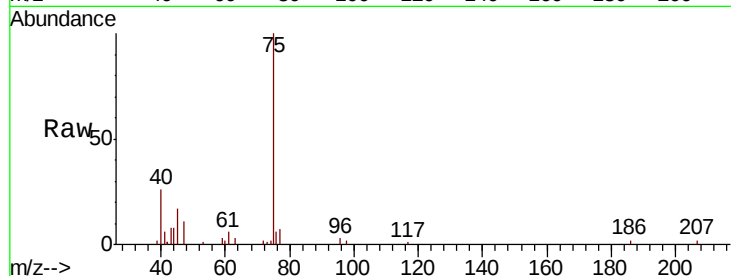
ClientSampled :

Tot Ion: 43 Resp: 3621

Ion Ratio Lower Upper

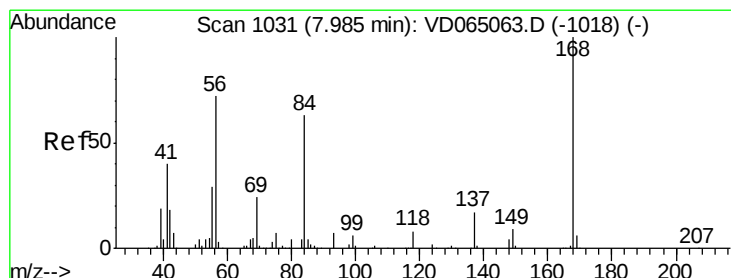
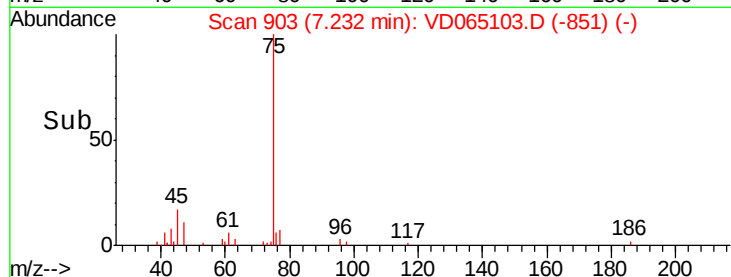
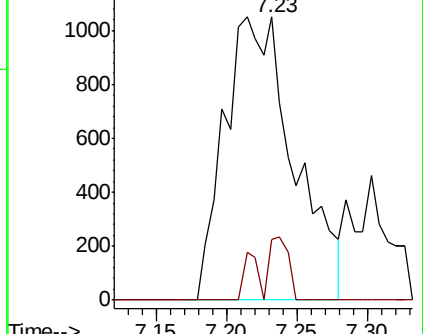
43 100

72 21.2 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: 1.625 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065103.D

Acq: 07 Feb 2020 11:53

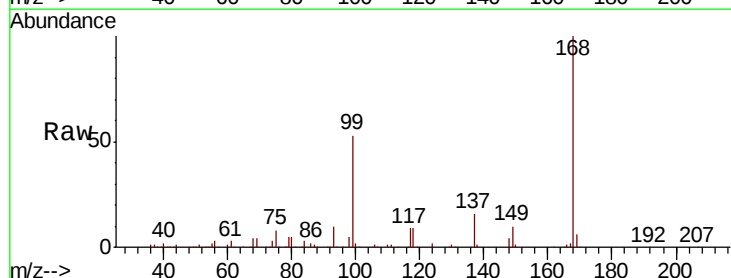
Tgt Ion: 56 Resp: 14338

Ion Ratio Lower Upper

56 100

69 137.4 26.6 40.0#

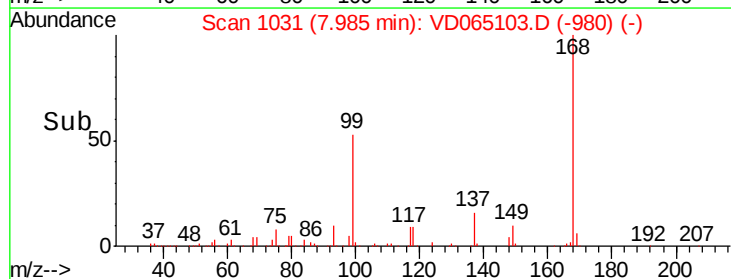
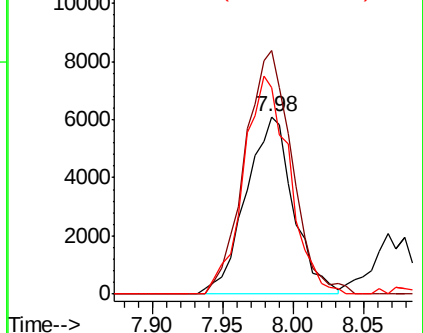
84 116.2 70.6 106.0#

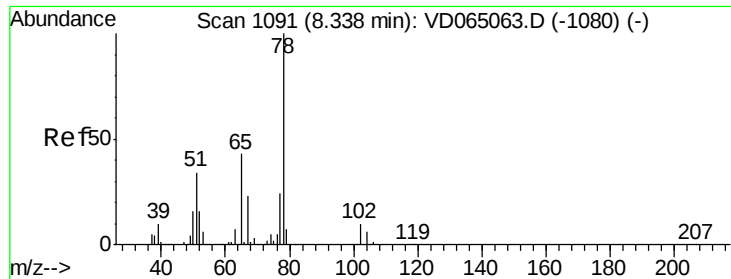


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

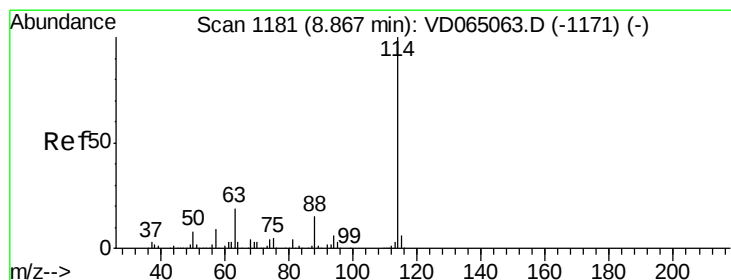
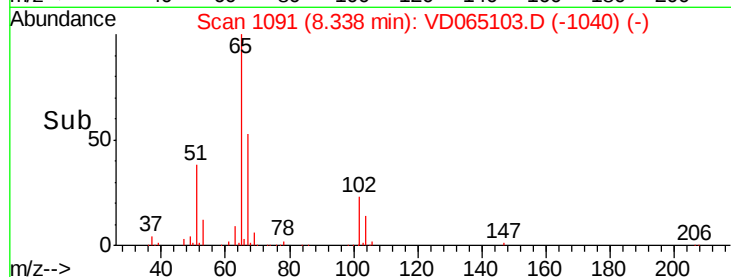
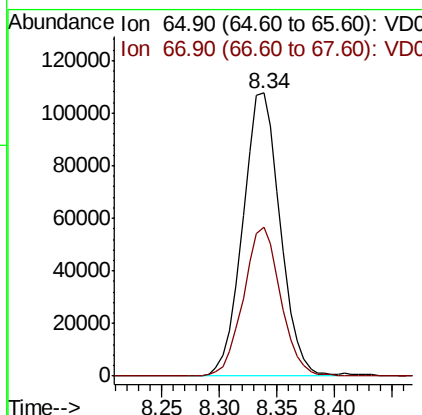
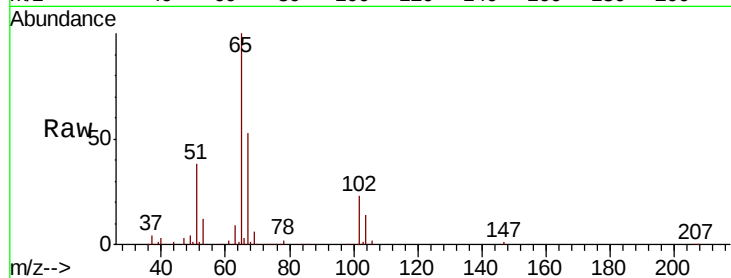




#33
 1,2-Dichloroethane-d4
 Concen: 54.683 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065103.D
 Acq: 07 Feb 2020 11:53

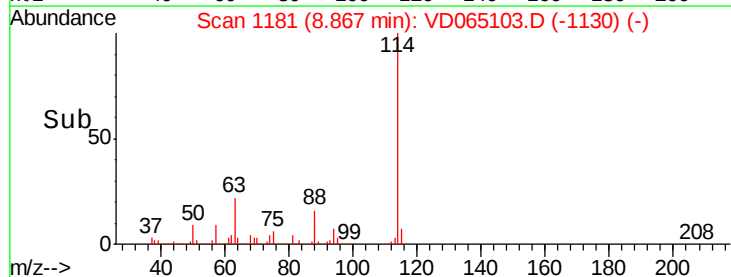
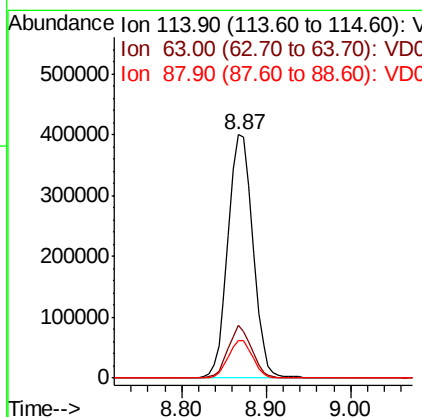
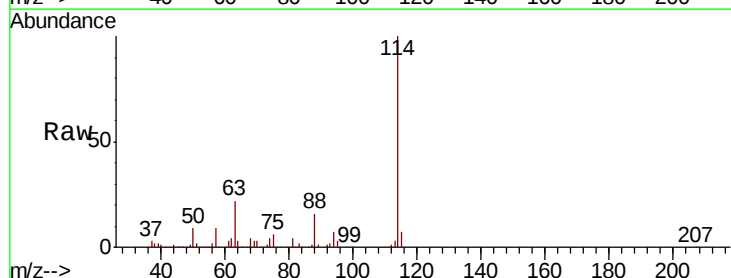
Instrument :
 MSVOA_D
 ClientSampleId :

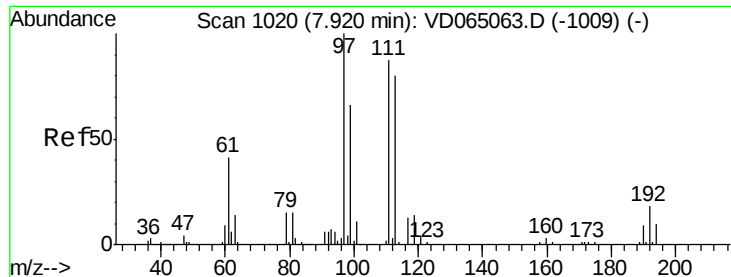
Tot Ion: 65 Resp: 242467
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065103.D
 Acq: 07 Feb 2020 11:53

Tgt Ion: 114 Resp: 817700
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 38.8
 88 15.5 0.0 29.6

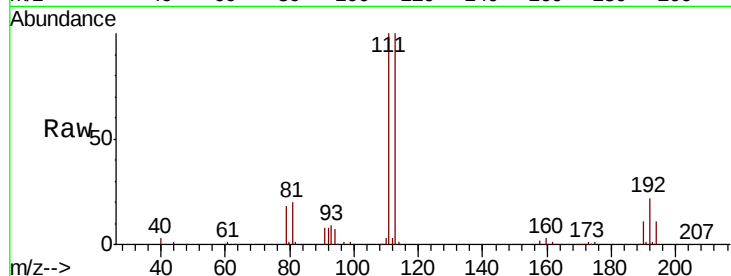




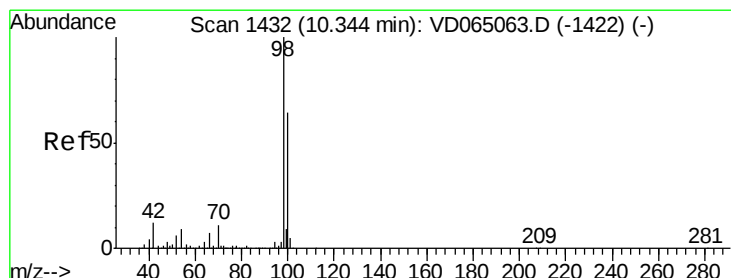
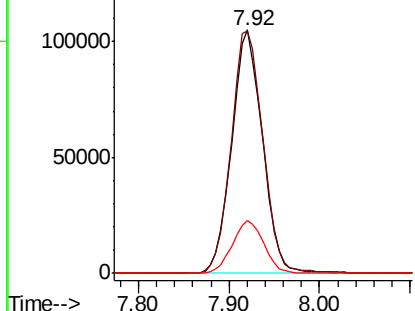
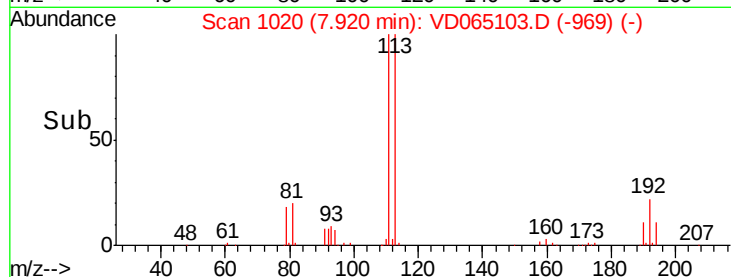
#35
 Dibromofluoromethane
 Concen: 54.335 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065103.D
 Acq: 07 Feb 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	22.1	18.1	27.1

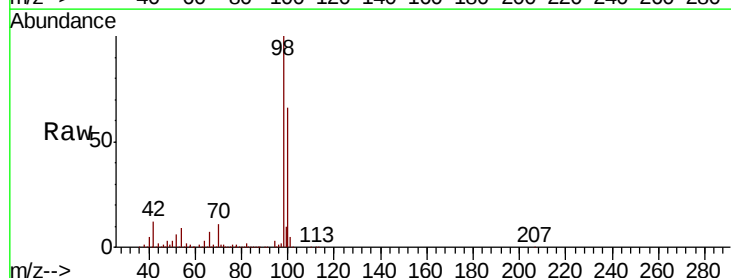


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

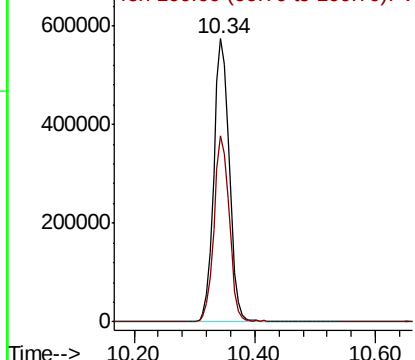
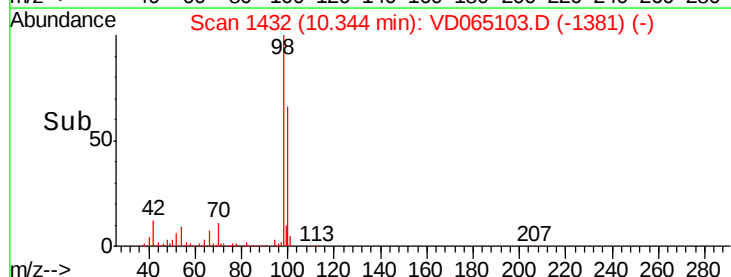


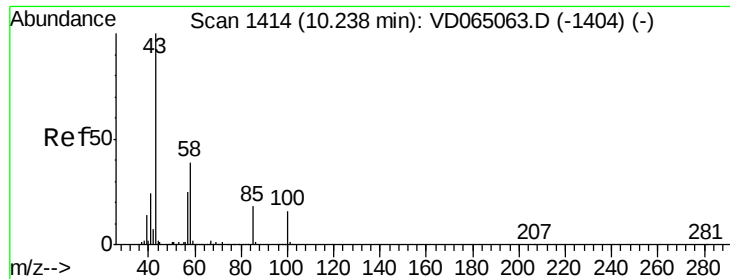
#50
 Toluene-d8
 Concen: 55.912 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065103.D
 Acq: 07 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): V
 Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.007 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065103.D

Acq: 07 Feb 2020 11:53

Instrument :

MSVOA_D

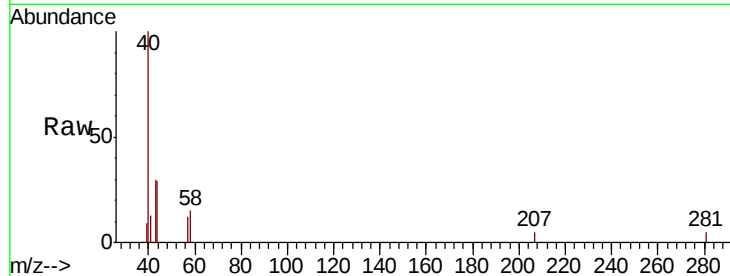
ClientSampled :

Tot Ion: 43 Resp: 2944

Ion Ratio Lower Upper

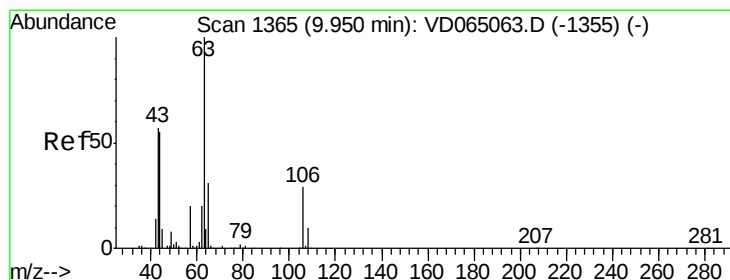
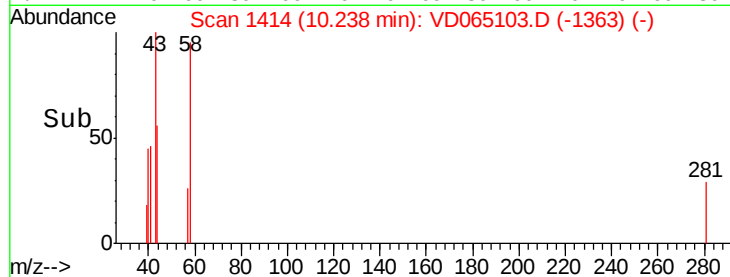
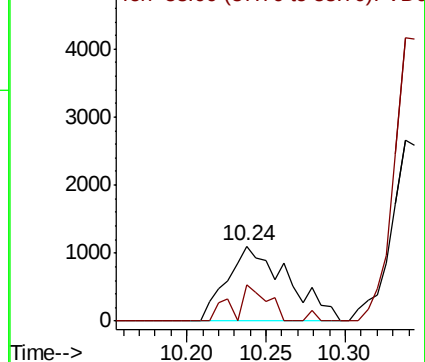
43 100

58 26.2 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065103.D

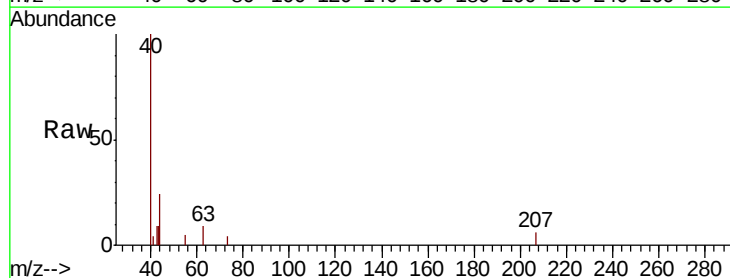
Acq: 07 Feb 2020 11:53

Tgt Ion: 63 Resp: 207

Ion Ratio Lower Upper

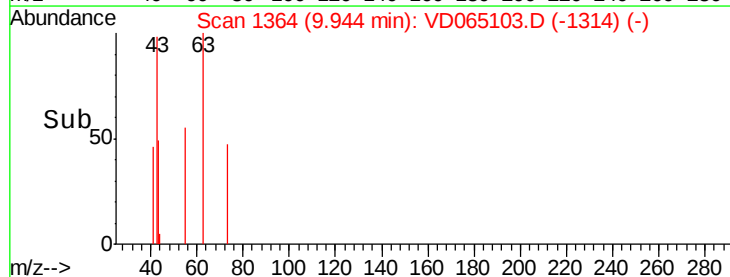
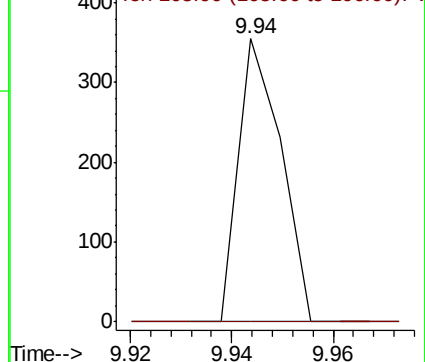
63 100

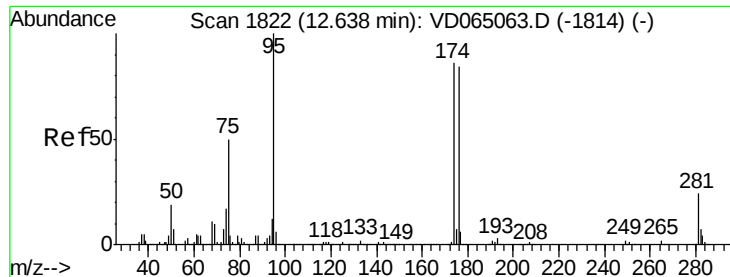
106 0.0 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

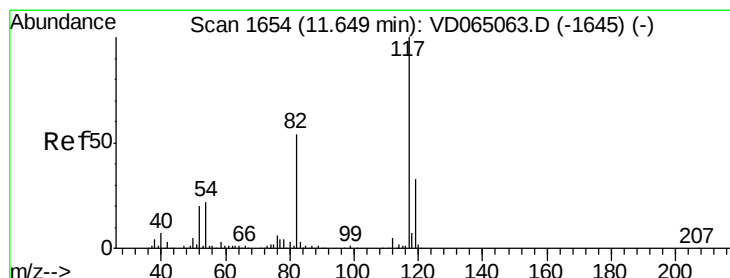
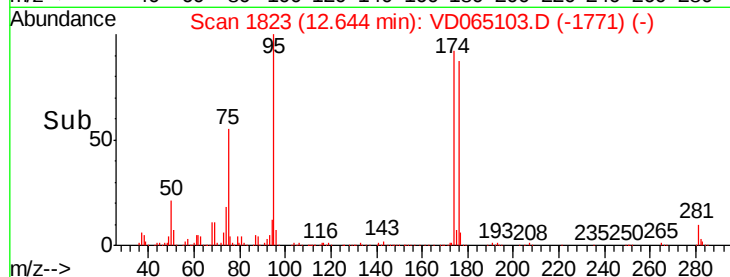
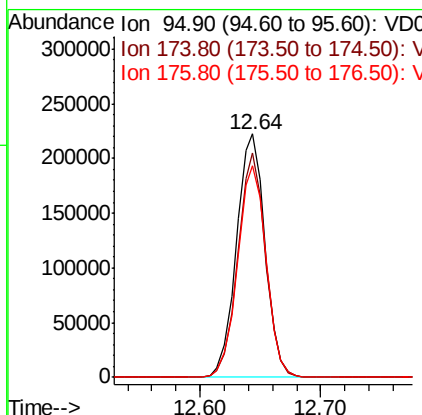
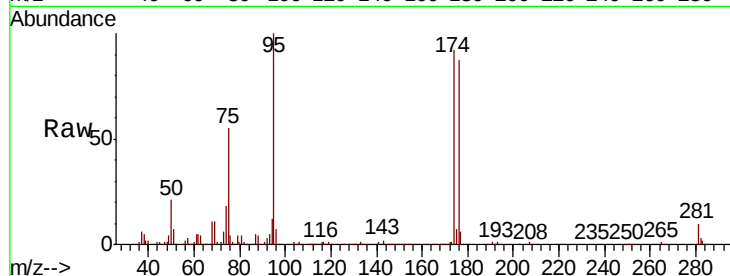




#62
4-Bromofluorobenzene
Concen: 63.770 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065103.D
Acq: 07 Feb 2020 11:53

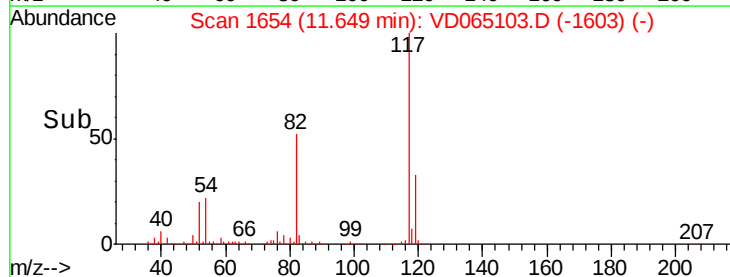
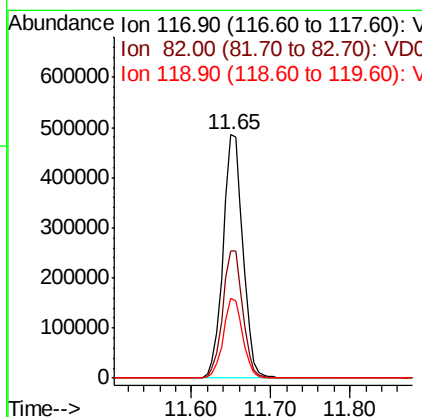
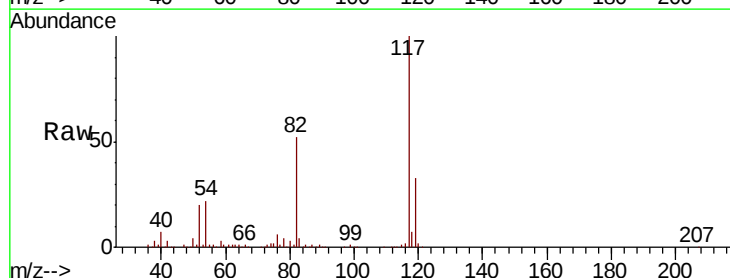
Instrument :
MSVOA_D
ClientSampleId :

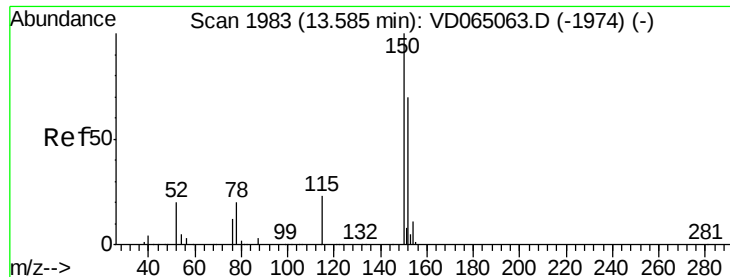
Tot Ion: 95 Resp: 366932
Ion Ratio Lower Upper
95 100
174 89.2 0.0 180.0
176 86.9 0.0 173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065103.D
Acq: 07 Feb 2020 11:53

Tgt Ion: 117 Resp: 835014
Ion Ratio Lower Upper
117 100
82 52.4 43.1 64.7
119 32.5 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065103.D

Acq: 07 Feb 2020 11:53

Instrument :

MSVOA_D

ClientSampled :

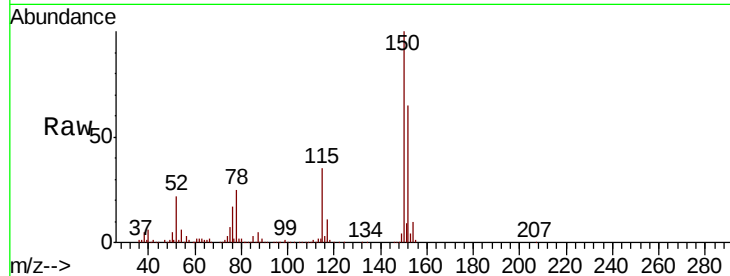
Tot Ion:152 Resp: 419388

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.4

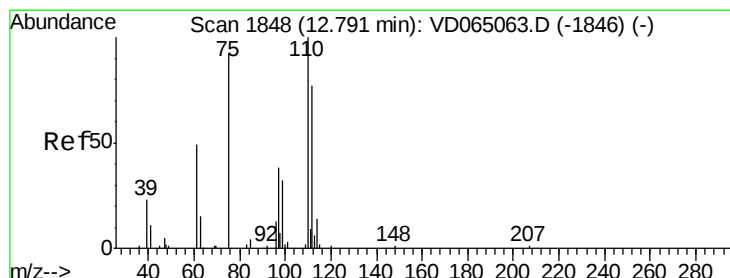
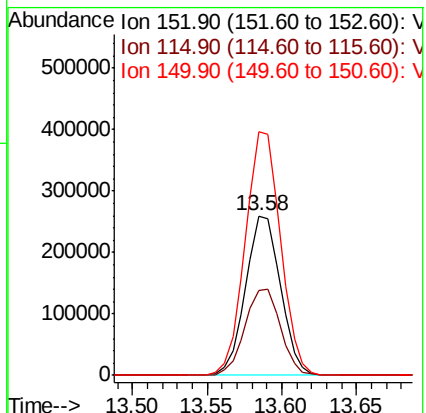
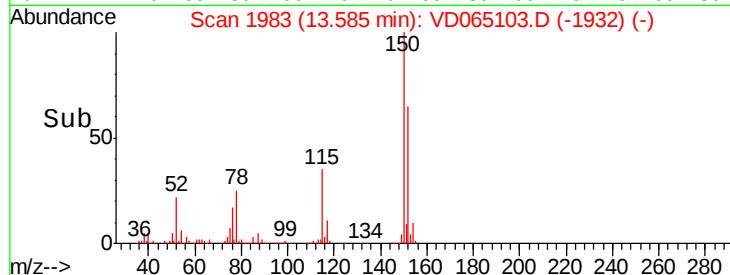
150 154.8 0.0 343.2



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: 60.929 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065103.D

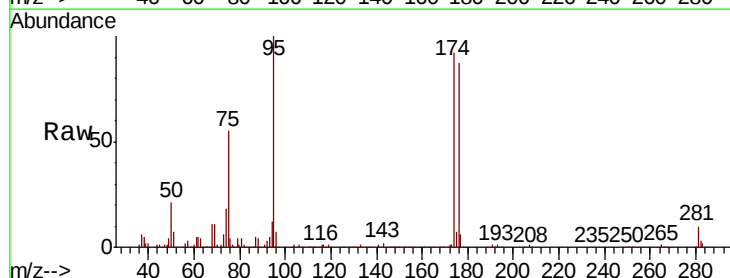
Acq: 07 Feb 2020 11:53

Tgt Ion: 75 Resp: 193461

Ion Ratio Lower Upper

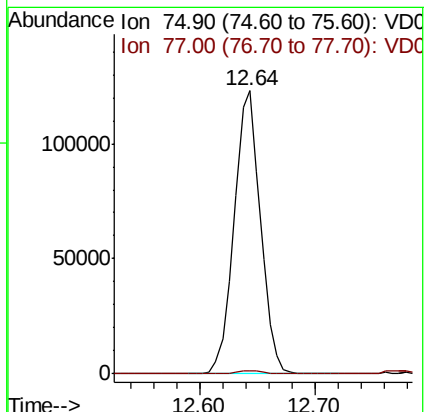
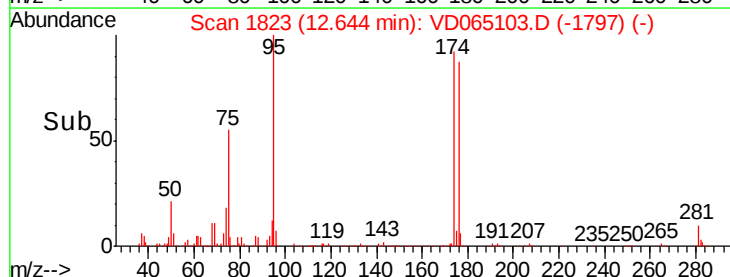
75 100

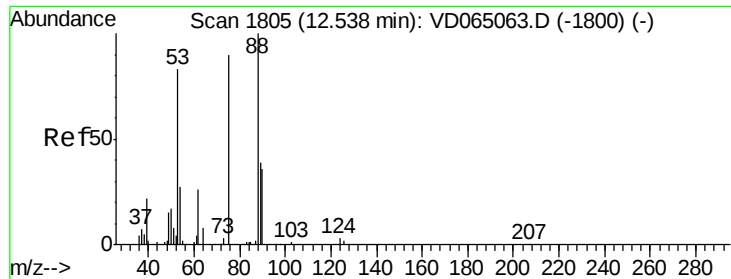
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 121.852 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065103.D

Acq: 07 Feb 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

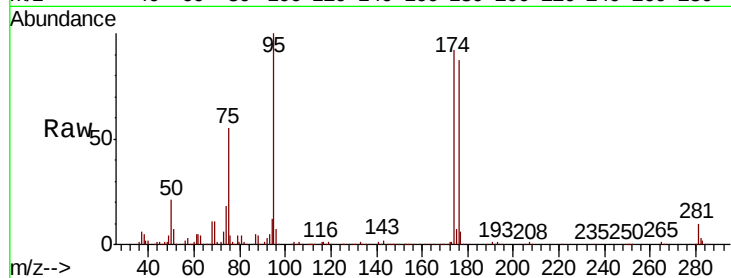
Tot Ion: 75 Resp: 193461

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

