

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065241.D
 Acq On : 19 Feb 2020 16:22
 Operator : VA/SY
 Sample : L1526-08
 Misc : 7.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:42:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	547121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	920130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	854296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	390255	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	279724	56.83	ug/l	0.00
Spiked Amount			Recovery	=	113.66%	
35) Dibromofluoromethane	7.92	113	288670	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	10.34	98	1113473	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.64	95	342149	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	

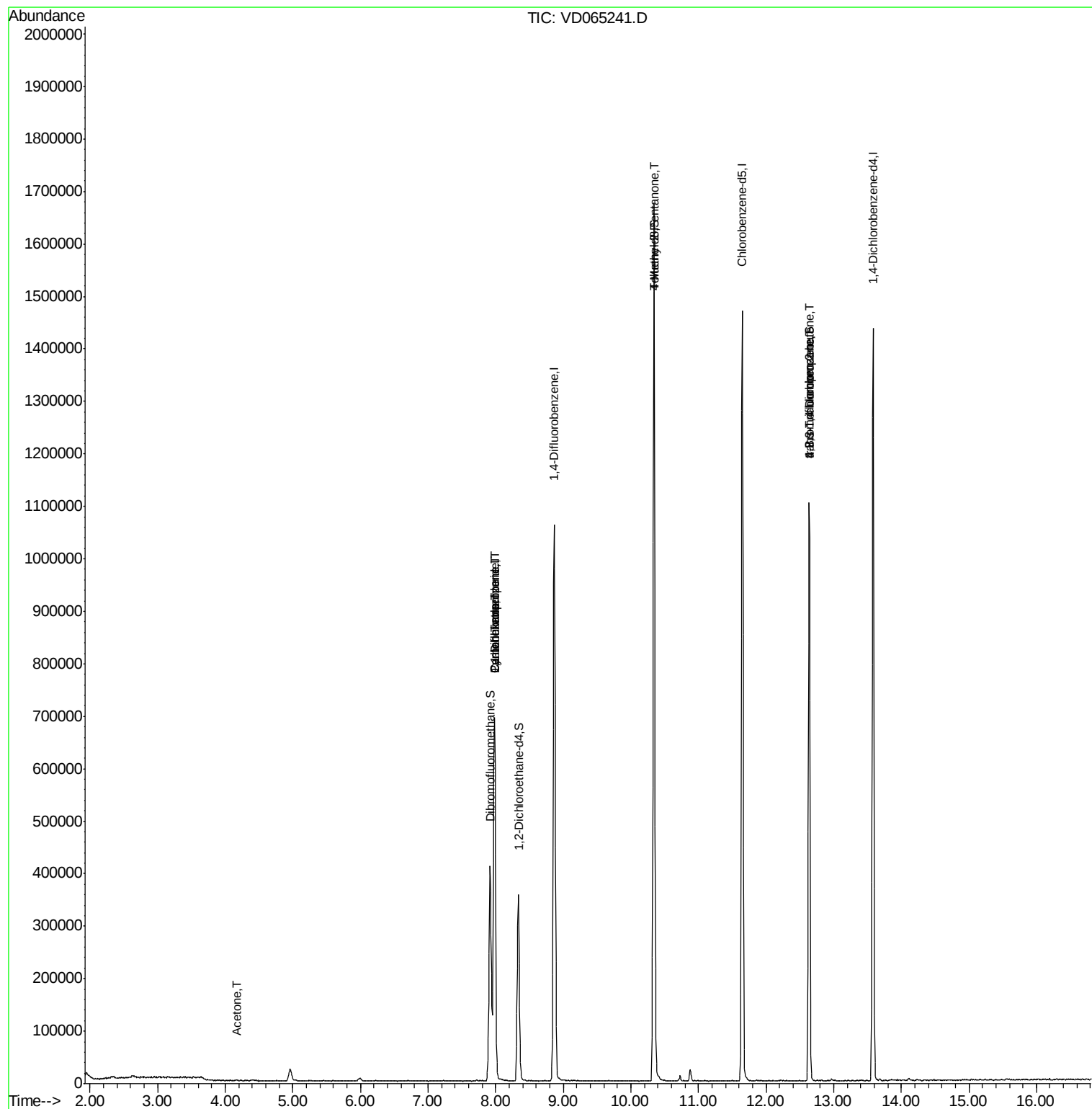
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.67	56	138	Below Cal	#	14
16) Acetone	4.17	43	1521	1.264	ug/l #	42
20) Methylene Chloride	4.96	84	16843	Below Cal		92
31) Cyclohexane	7.98	56	10985	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	39732	4.438	ug/l #	49
38) Carbon Tetrachloride	7.98	117	51637	5.666	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4914	1.422	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	172246	51.875	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	172246	112.007	ug/l #	11

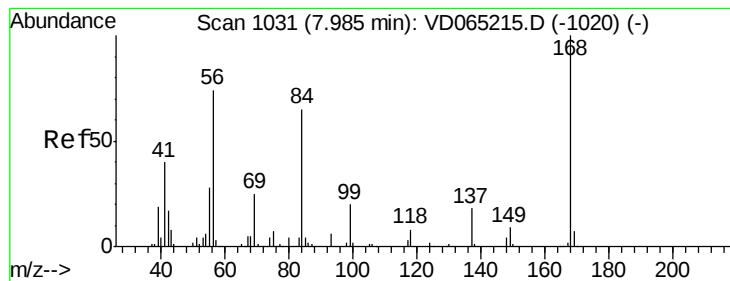
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065241.D

Acq: 19 Feb 2020 16:22

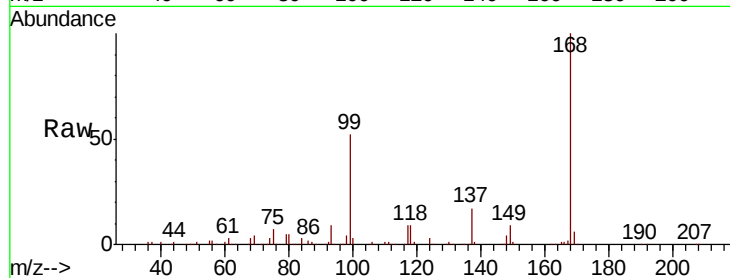
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 547121

Ion Ratio Lower Upper

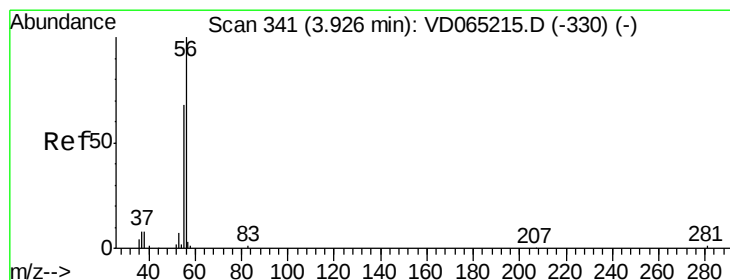
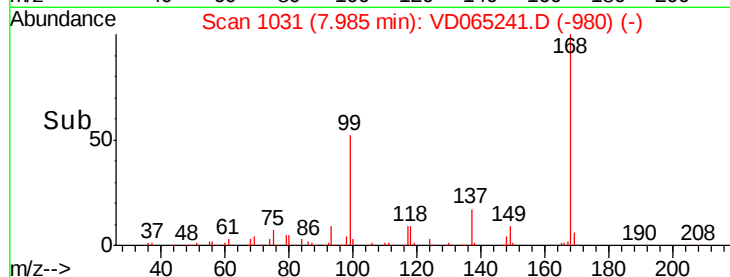
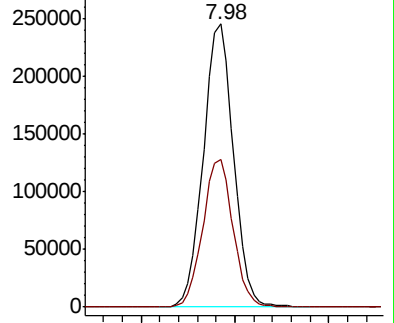
168 100

99 52.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.67 min Scan# 297

Delta R.T. -0.26 min

Lab File: VD065241.D

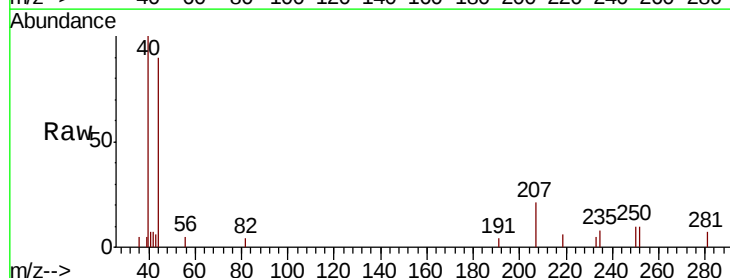
Acq: 19 Feb 2020 16:22

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

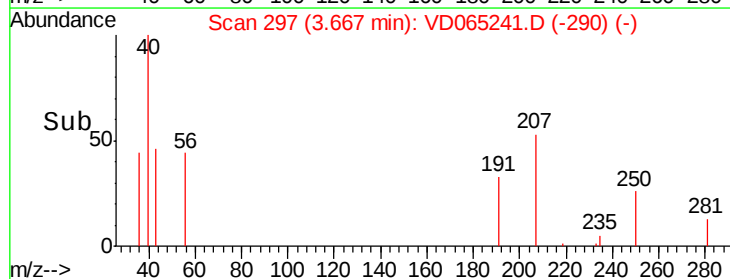
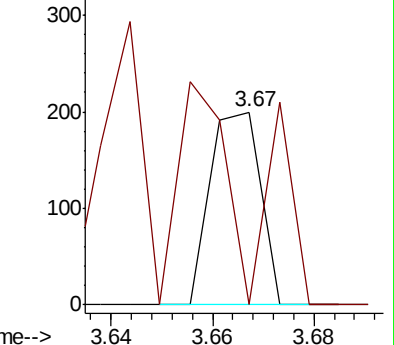
56 100

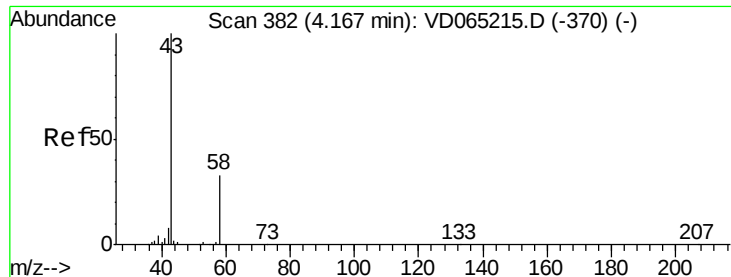
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.264 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

Instrument :

MSVOA_D

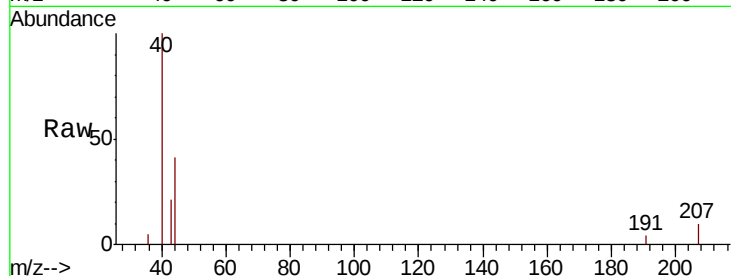
ClientSampleId :

Tot Ion: 43 Resp: 1521

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

800

600

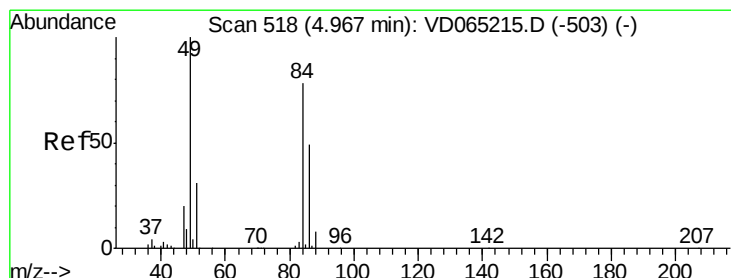
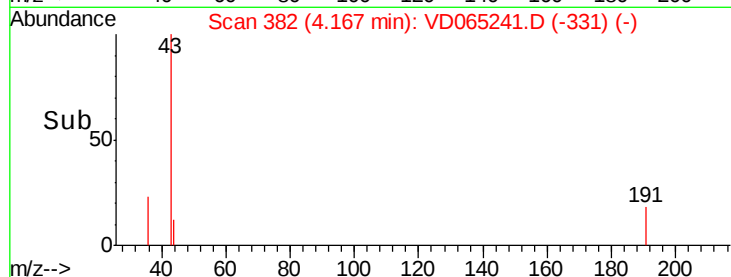
400

200

0

4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

Tgt Ion: 84 Resp: 16843

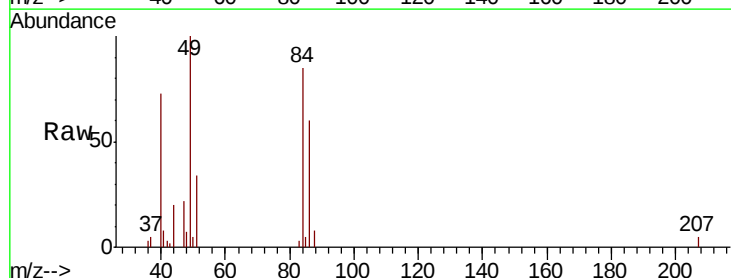
Ion Ratio Lower Upper

84 100

49 118.3 103.1 154.7

51 39.8 31.7 47.5

86 70.7 50.9 76.3



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

10000

8000

6000

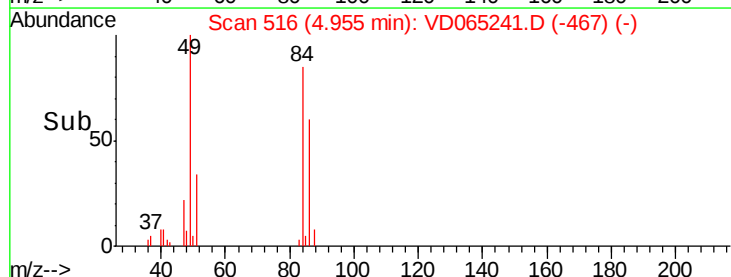
4000

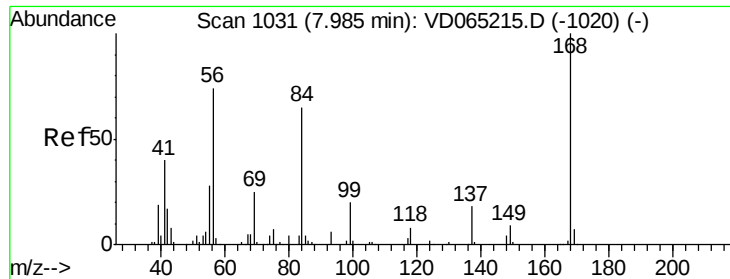
2000

0

4.90 4.96 5.00

Time-->

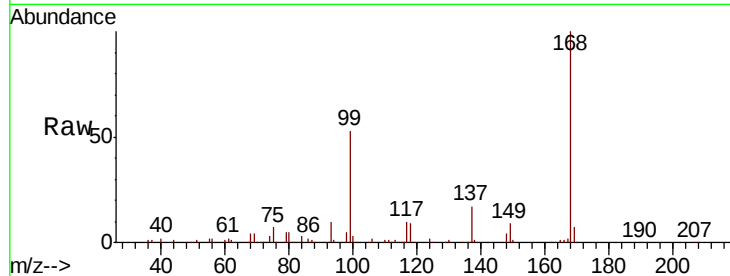




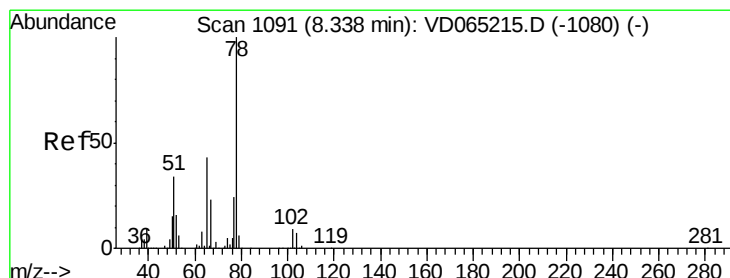
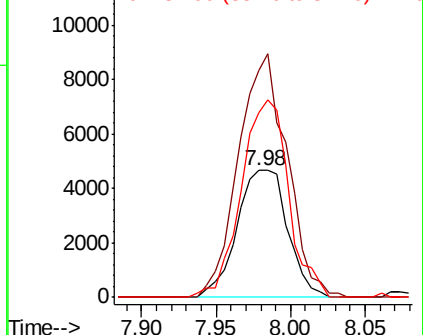
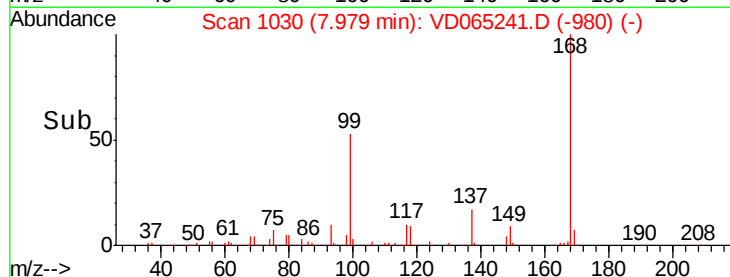
#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065241.D
Acq: 19 Feb 2020 16:22

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 10985
Ion Ratio Lower Upper
56 100
69 179.2 27.4 41.0#
84 145.9 71.1 106.7#

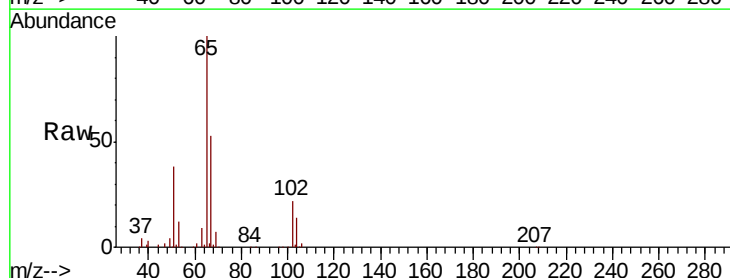


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

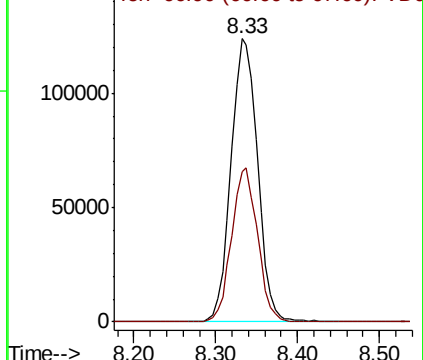
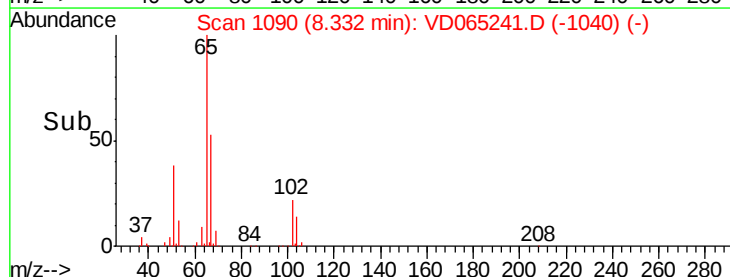


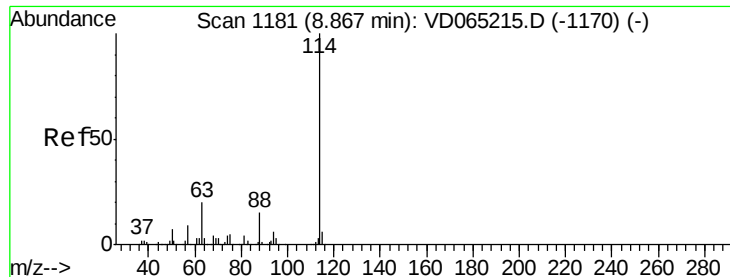
#33
1,2-Dichloroethane-d4
Concen: 56.832 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065241.D
Acq: 19 Feb 2020 16:22

Tgt Ion: 65 Resp: 279724
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

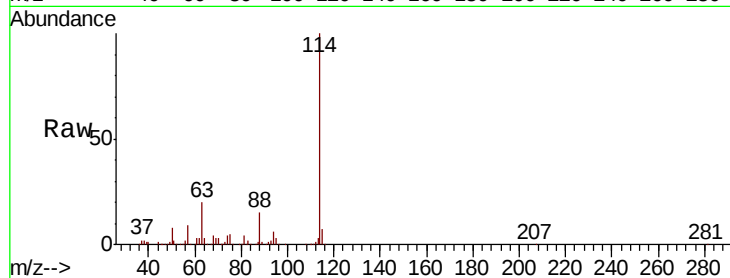




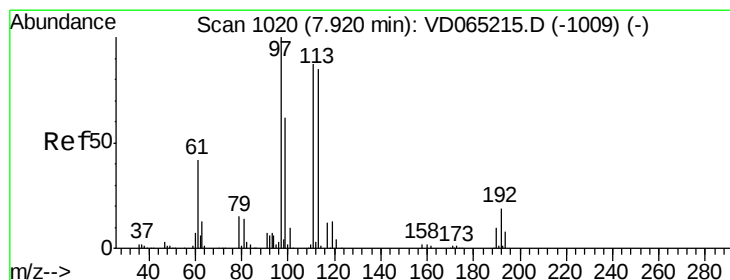
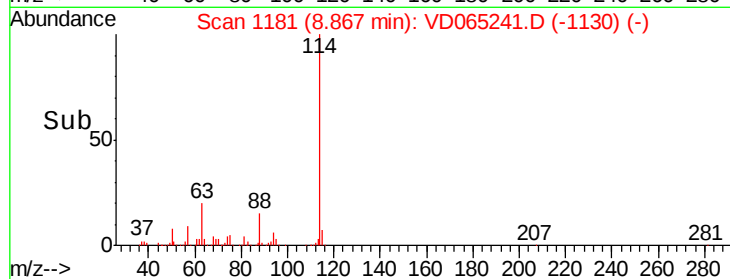
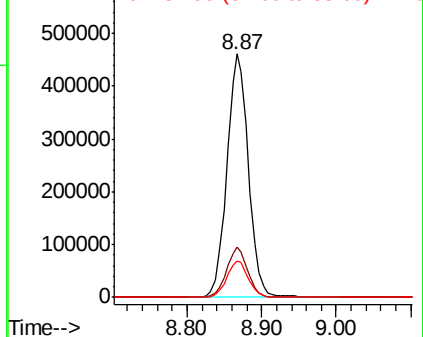
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065241.D
 Acq: 19 Feb 2020 16:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.4
88	15.1	0.0	30.4

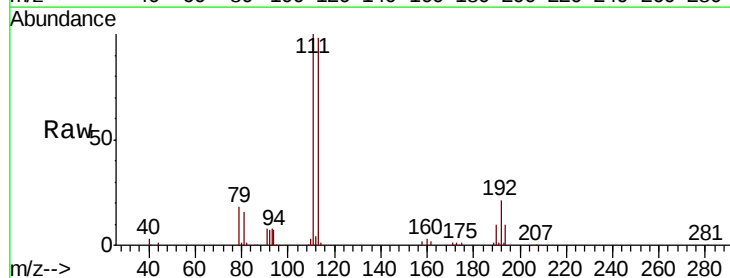


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

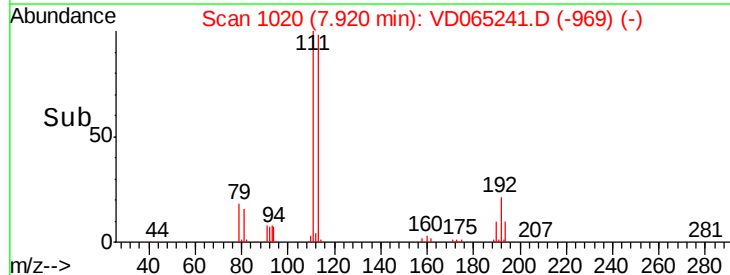
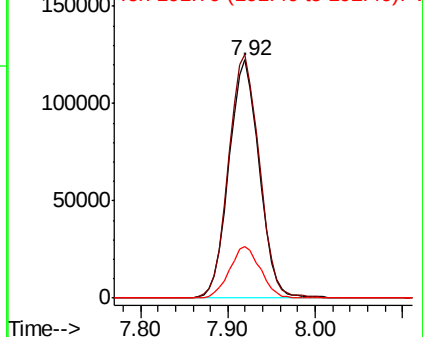


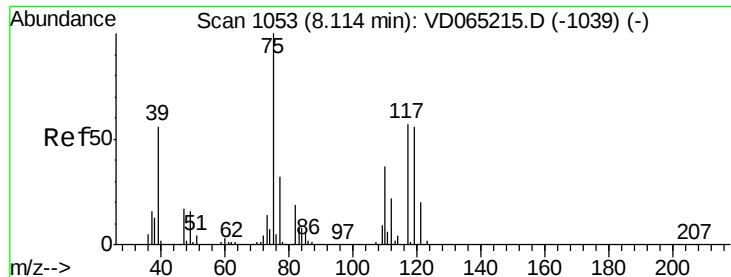
#35
 Dibromofluoromethane
 Concen: 51.453 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065241.D
 Acq: 19 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.9	124.3
192	22.2	17.3	25.9



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: 4.438 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

Instrument :
MSVOA_D
ClientSampled :

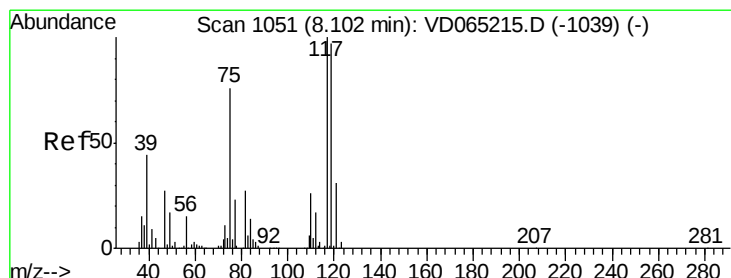
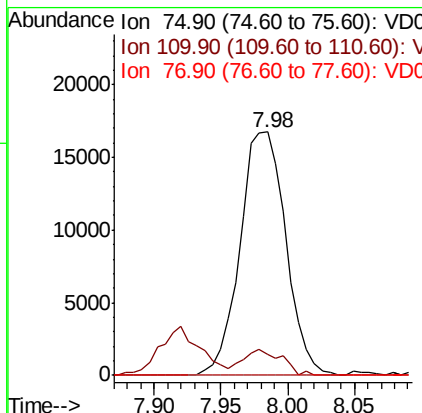
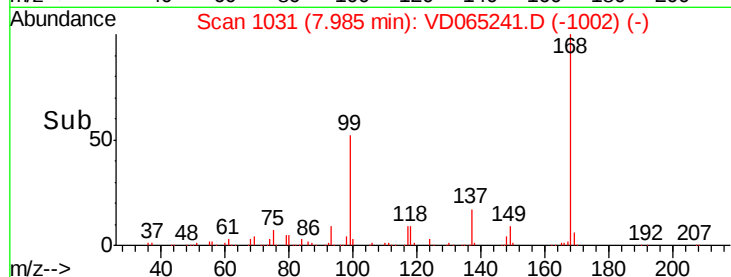
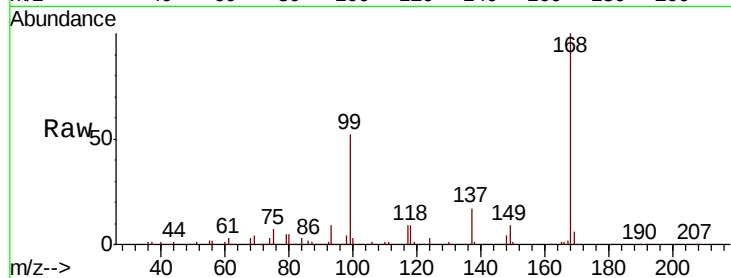
Tot Ion: 75 Resp: 39732

Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.7#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

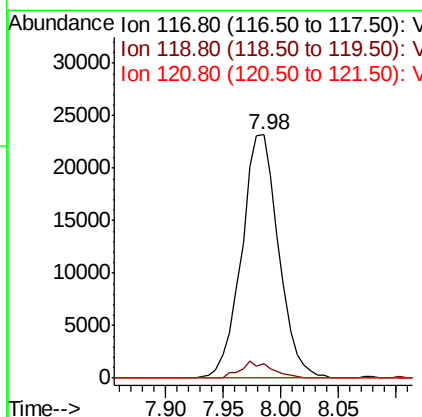
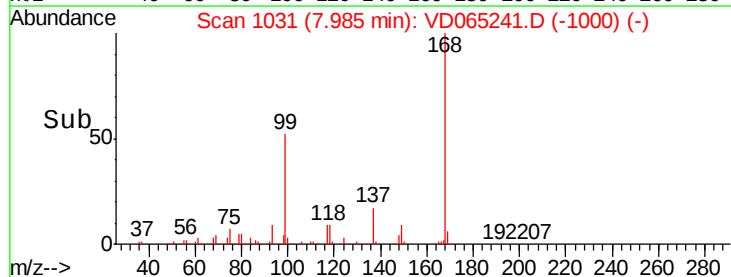
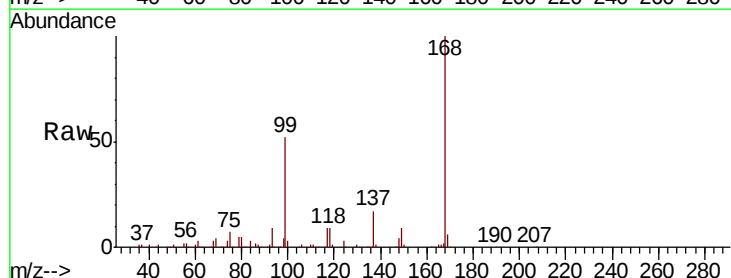
Tgt Ion: 117 Resp: 51637

Ion Ratio Lower Upper

117 100

119 5.8 77.6 116.4#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 51.915 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

Instrument :

MSVOA_D

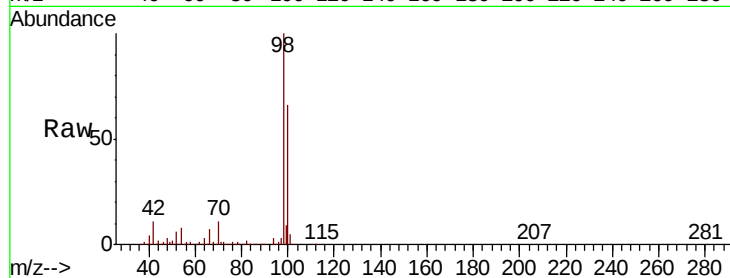
ClientSampleId :

Tot Ion: 98 Resp: 1113473

Ion Ratio Lower Upper

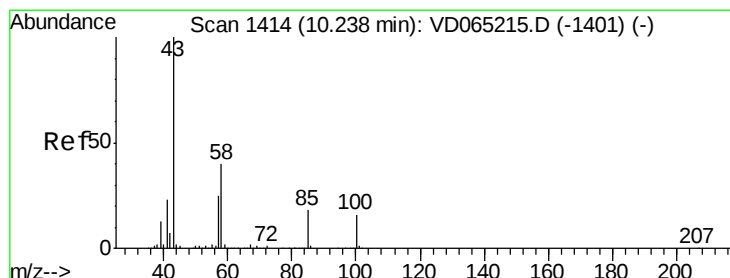
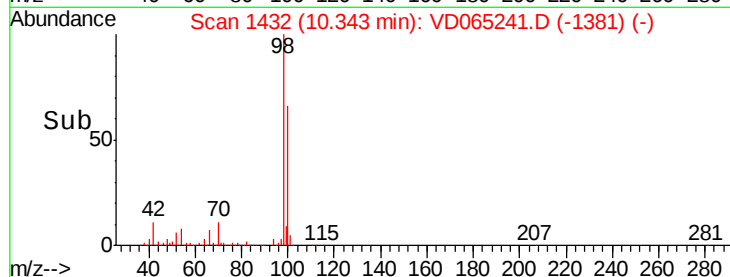
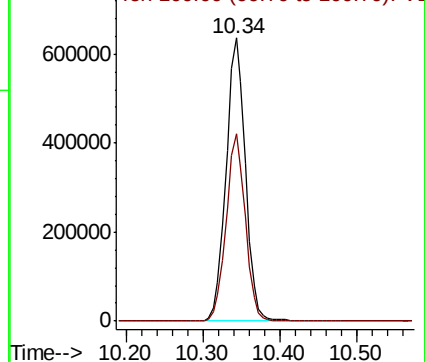
98 100

100 65.2 52.0 78.0



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: 1.422 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD065241.D

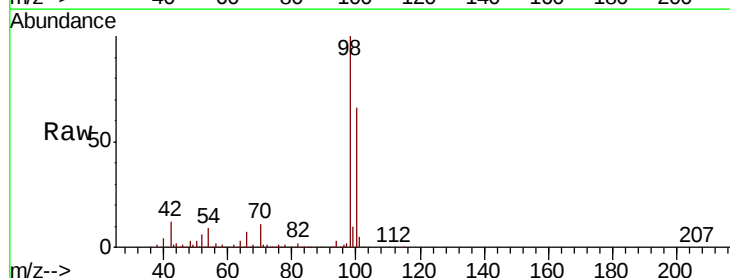
Acq: 19 Feb 2020 16:22

Tgt Ion: 43 Resp: 4914

Ion Ratio Lower Upper

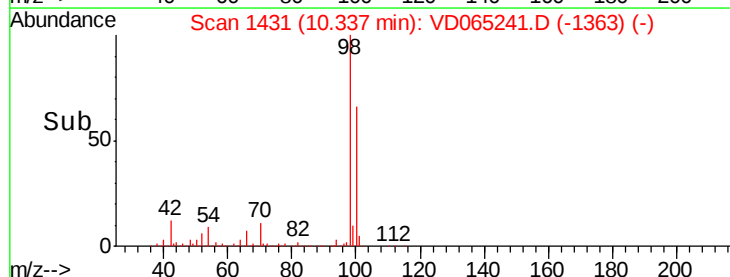
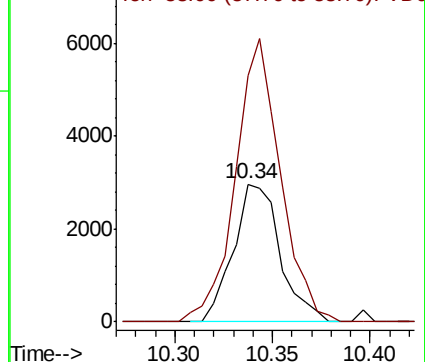
43 100

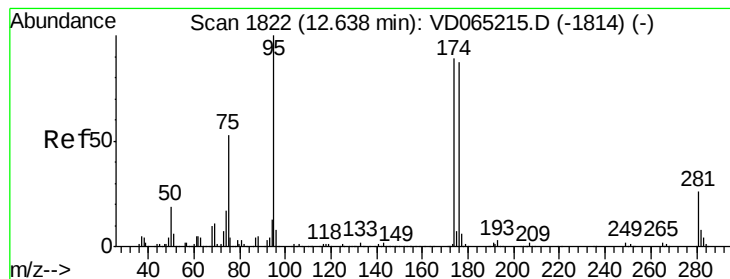
58 198.5 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 50.356 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

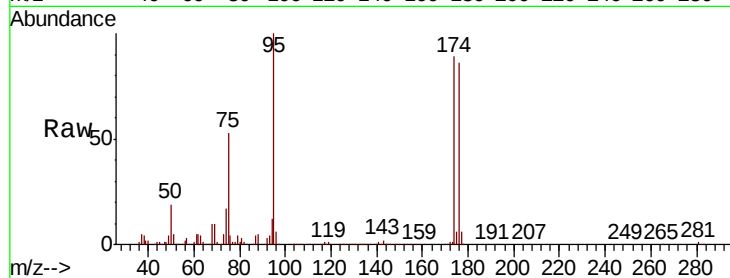
Tot Ion: 95 Resp: 342149

Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.0

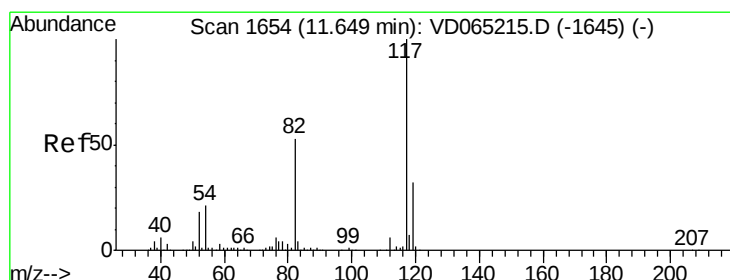
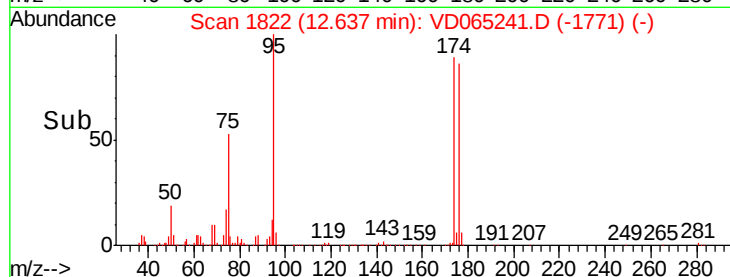
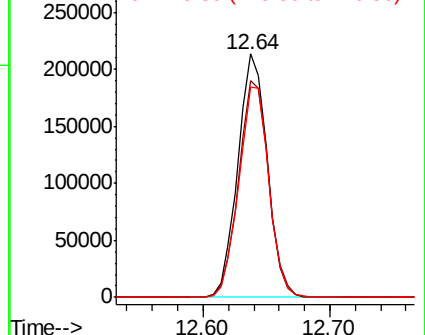
176 88.5 0.0 174.4



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: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

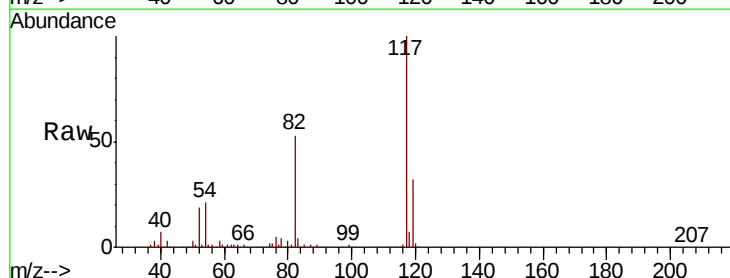
Tgt Ion: 117 Resp: 854296

Ion Ratio Lower Upper

117 100

82 52.9 42.7 64.1

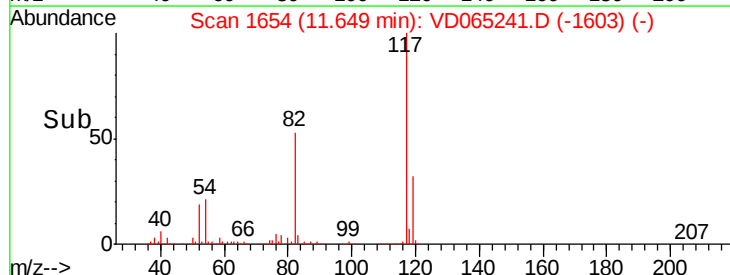
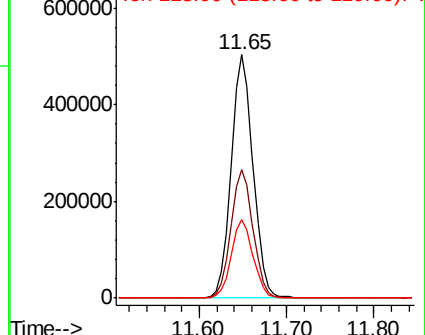
119 32.0 25.5 38.3

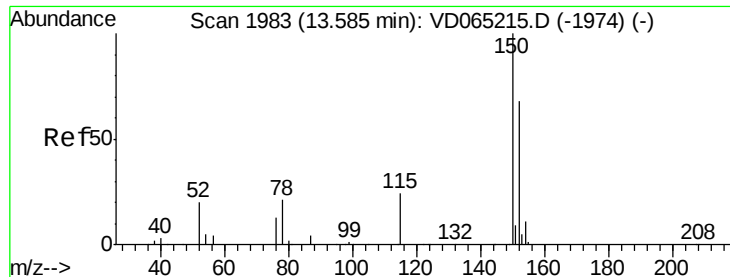


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065241.D

Acq: 19 Feb 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

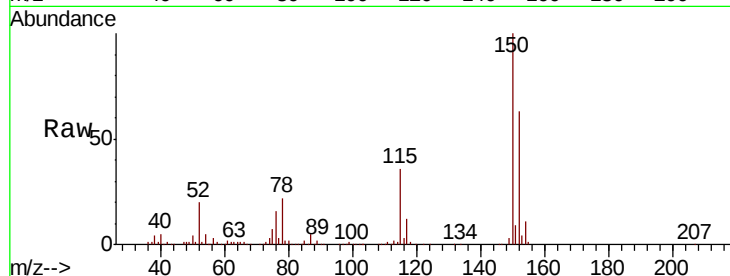
Tot Ion:152 Resp: 390255

Ion Ratio Lower Upper

152 100

115 56.6 27.6 82.8

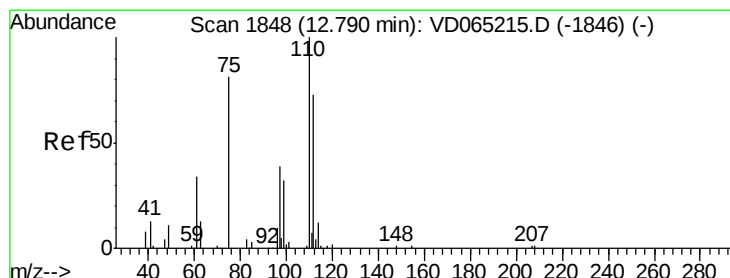
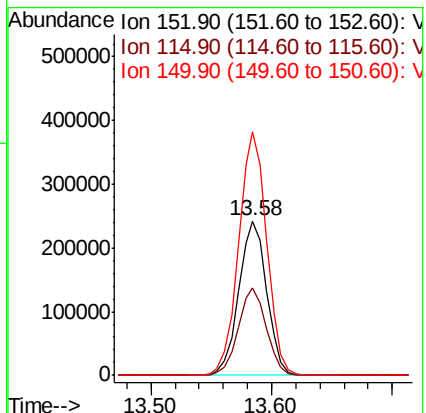
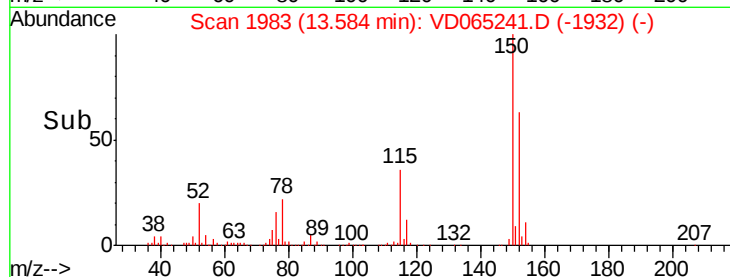
150 158.0 0.0 347.4



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: 51.875 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065241.D

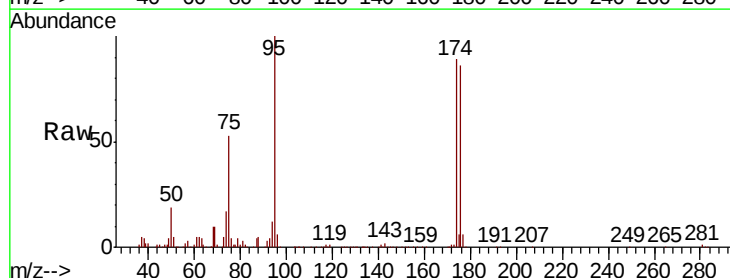
Acq: 19 Feb 2020 16:22

Tgt Ion: 75 Resp: 172246

Ion Ratio Lower Upper

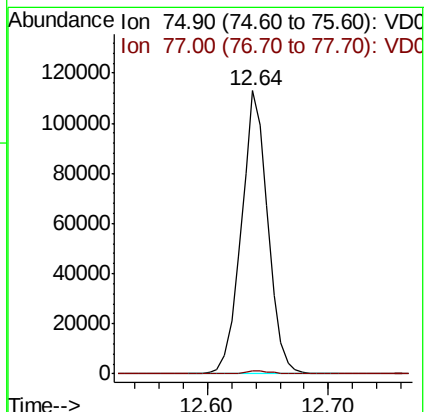
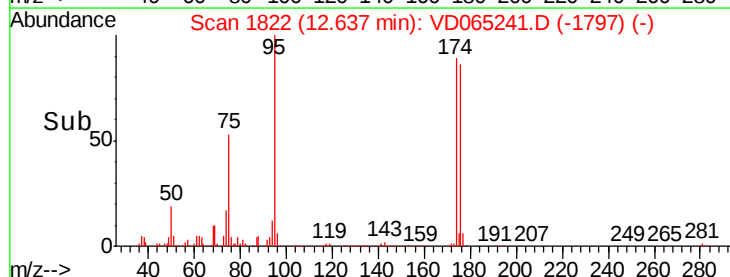
75 100

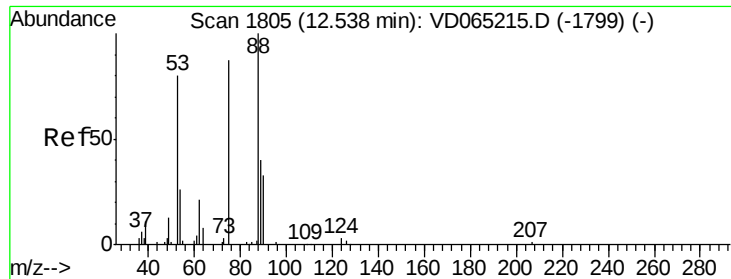
77 1.1 0.0 0.0#



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: 112.007 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065241.D

Acq: 19 Feb 2020 16:22

Instrument :

MSVOA_D

ClientSampleId :

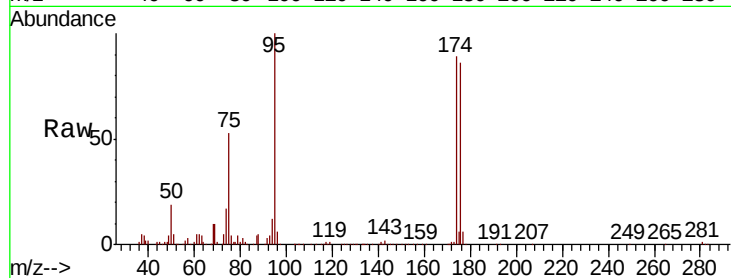
Tot Ion: 75 Resp: 172246

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#



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

