

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065271.D
 Acq On : 21 Feb 2020 13:13
 Operator : VA/SY
 Sample : L1625-02RE
 Misc : 3.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:22:53 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

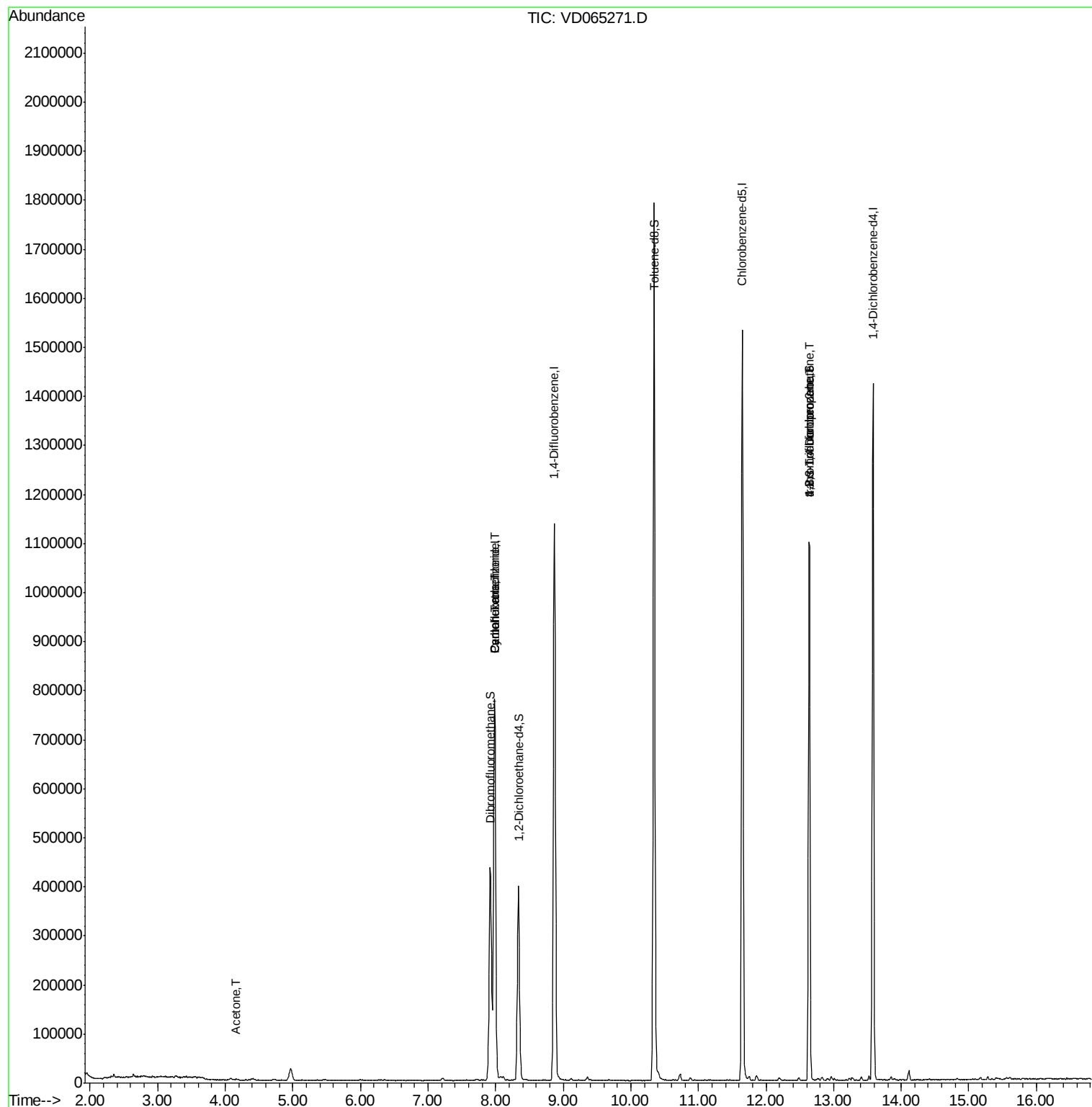
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	610229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1003067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	885292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	386477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	308773	56.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.50%	
35) Dibromofluoromethane	7.92	113	315563	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
50) Toluene-d8	10.34	98	1193981	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	351581	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
Target Compounds						
13) Acrolein	3.91	56	58	Below Cal	#	4
16) Acetone	4.16	43	3499	2.607	ug/l	89
20) Methylene Chloride	4.96	84	18211	Below Cal		86
31) Cyclohexane	7.99	56	13741	1.273	ug/l #	25
38) Carbon Tetrachloride	7.99	117	58321	5.870	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	174306	53.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	174306	114.455	ug/l #	11

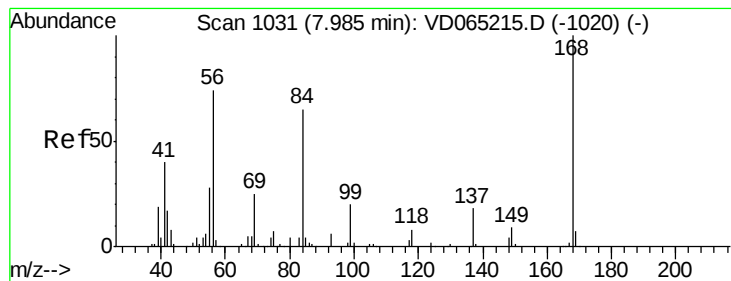
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065271.D

Acq: 21 Feb 2020 13:13

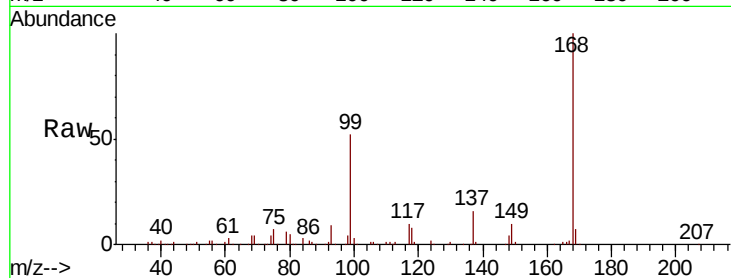
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 610229

Ion Ratio Lower Upper

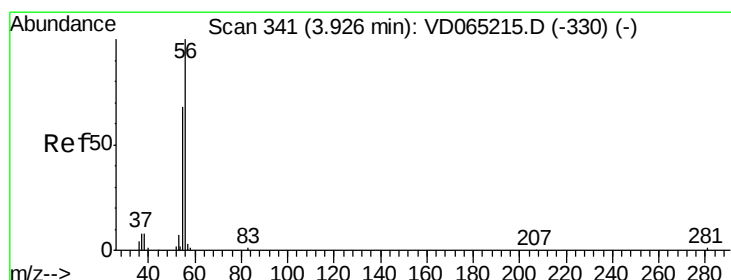
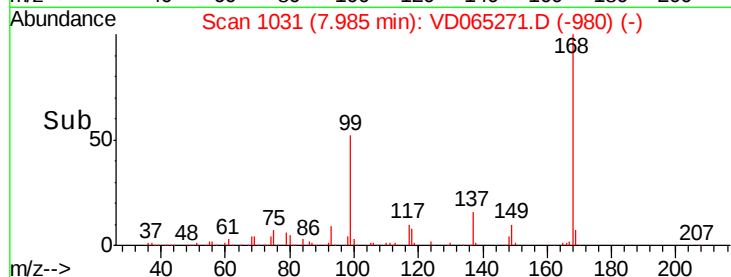
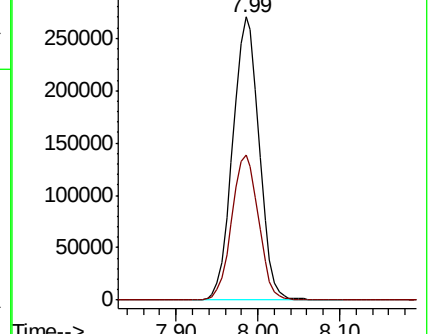
168 100

99 51.3 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: 3.91 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD065271.D

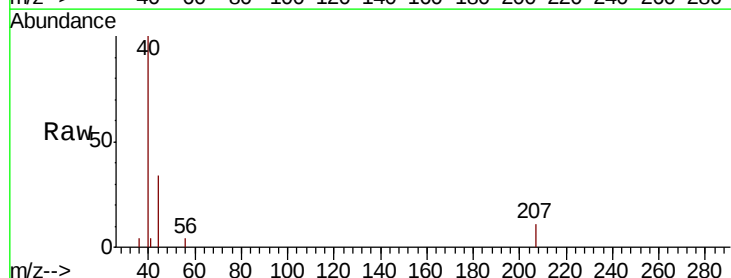
Acq: 21 Feb 2020 13:13

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

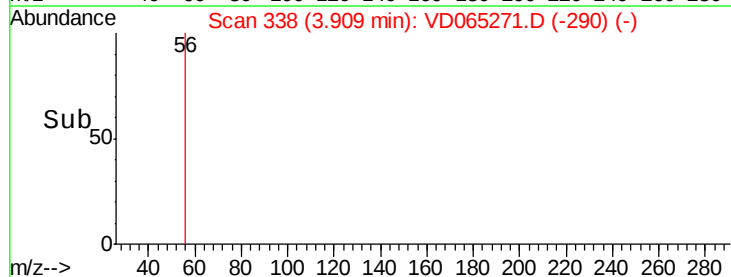
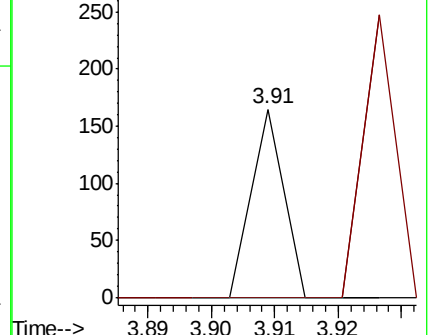
56 100

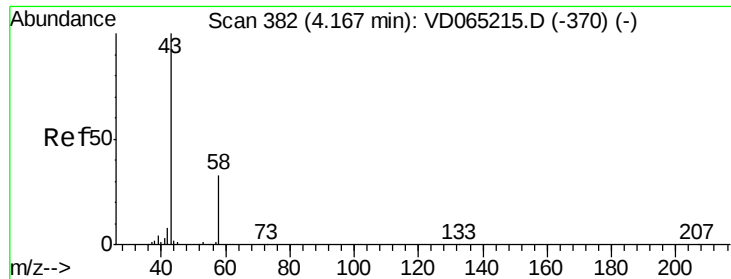
55 150.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.607 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065271.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_D

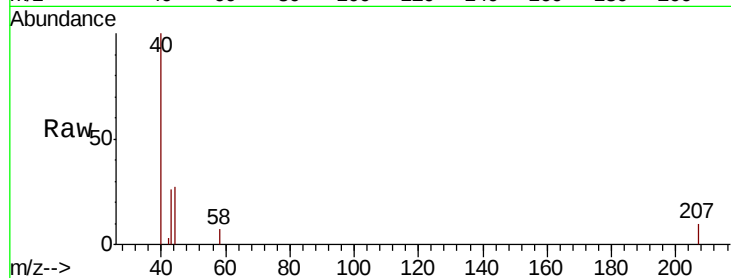
ClientSampleId :

Tot Ion: 43 Resp: 3499

Ion Ratio Lower Upper

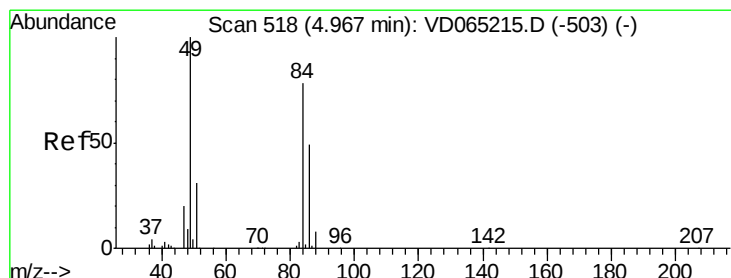
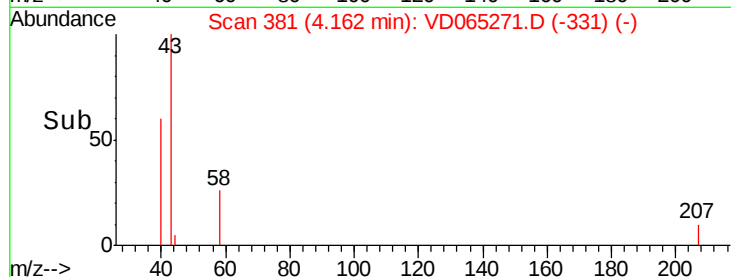
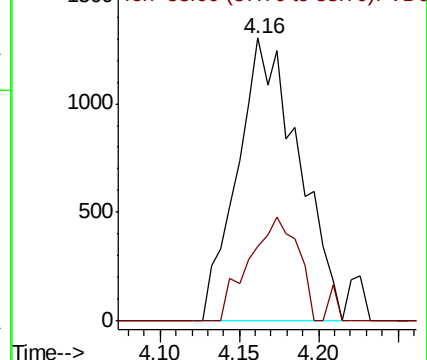
43 100

58 26.3 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065271.D

Acq: 21 Feb 2020 13:13

Tgt Ion: 84 Resp: 18211

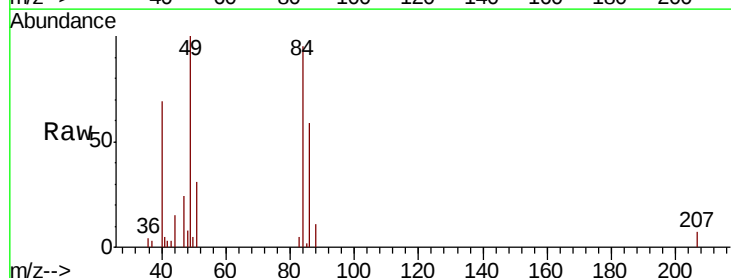
Ion Ratio Lower Upper

84 100

49 104.9 103.1 154.7

51 32.8 31.7 47.5

86 61.4 50.9 76.3

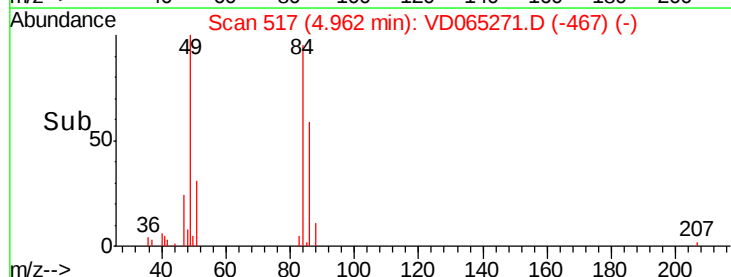
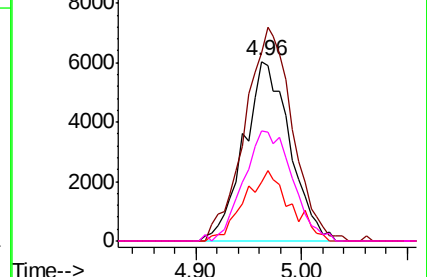


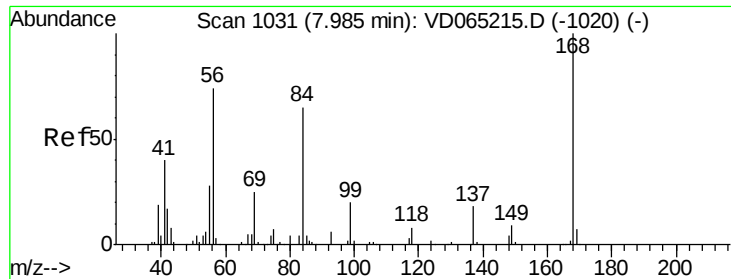
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

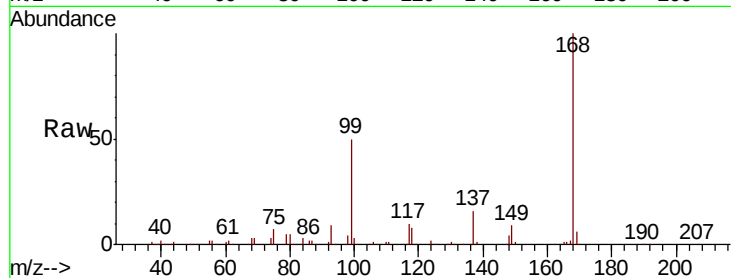




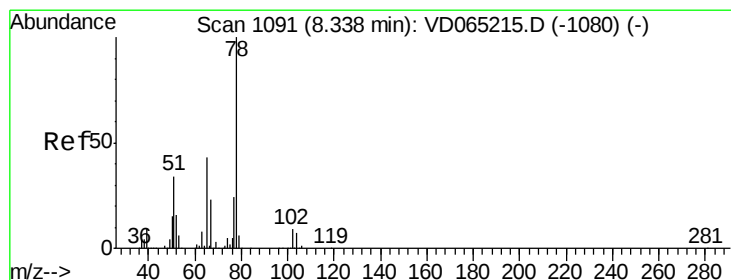
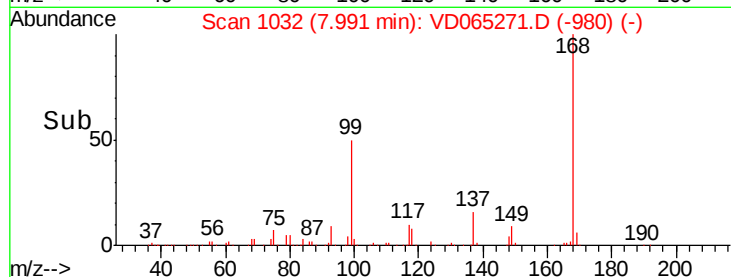
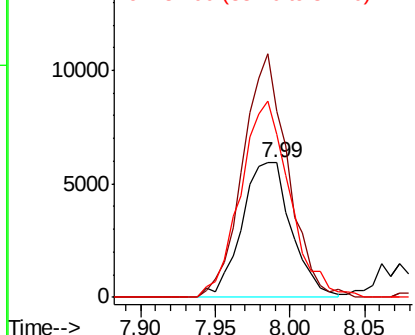
#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065271.D
Acq: 21 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 13741
Ion Ratio Lower Upper
56 100
69 138.1 27.4 41.0#
84 120.8 71.1 106.7#

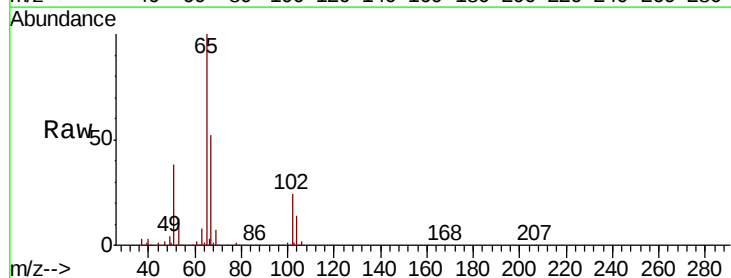


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

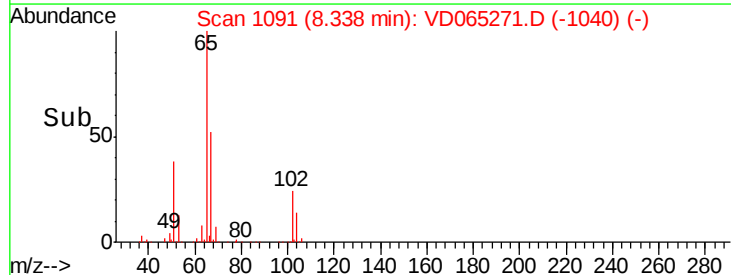
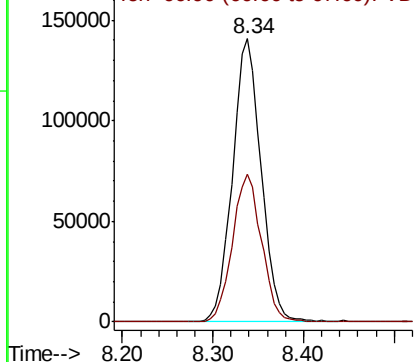


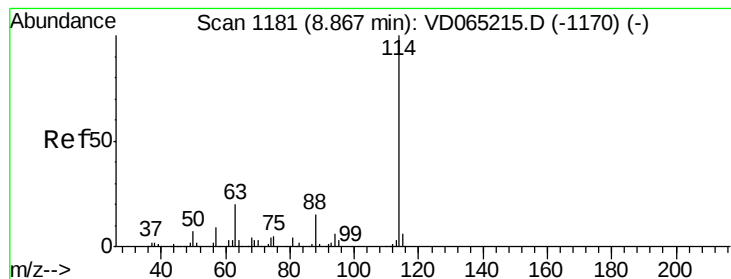
#33
1,2-Dichloroethane-d4
Concen: 56.246 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065271.D
Acq: 21 Feb 2020 13:13

Tgt Ion: 65 Resp: 308773
Ion Ratio Lower Upper
65 100
67 53.1 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# 1182

Delta R.T. 0.01 min

Lab File: VD065271.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

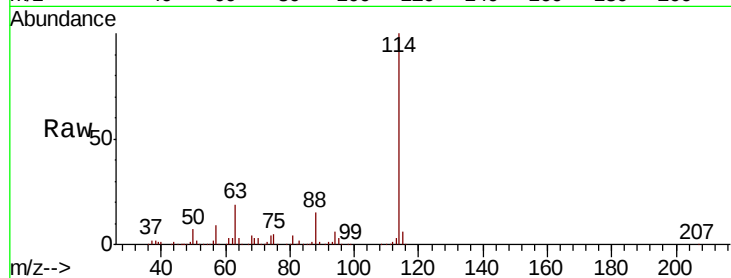
Tot Ion:114 Resp: 1003067

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.4
88	14.9	0.0	30.4

114 100

63 19.1 0.0 39.4

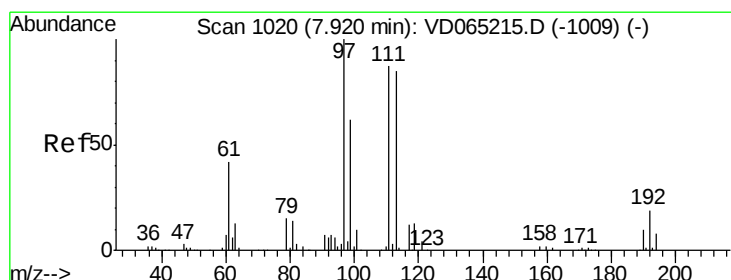
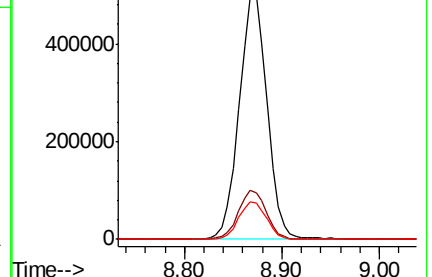
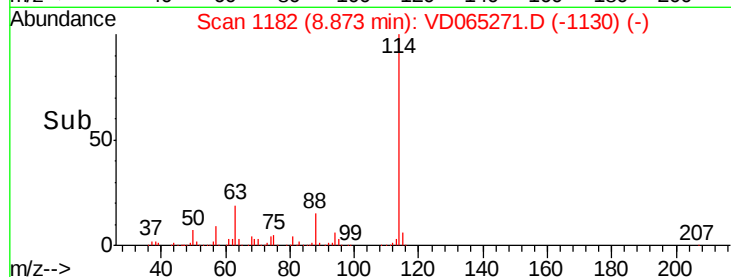
88 14.9 0.0 30.4



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: 51.595 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065271.D

Acq: 21 Feb 2020 13:13

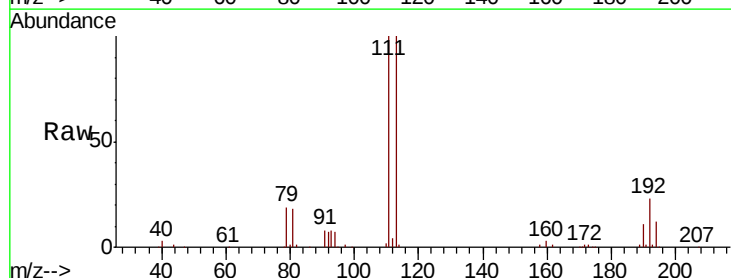
Tgt Ion:113 Resp: 315563

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.9	124.3
192	21.8	17.3	25.9

113 100

111 101.8 82.9 124.3

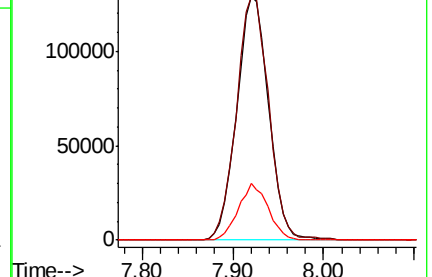
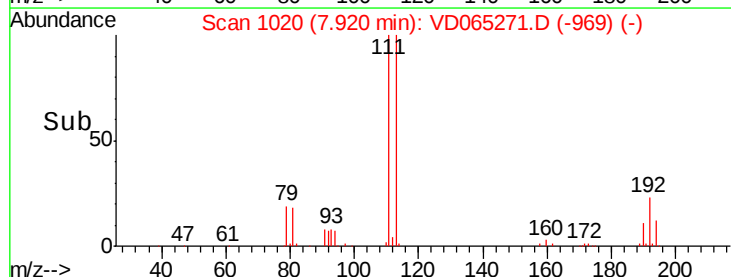
192 21.8 17.3 25.9

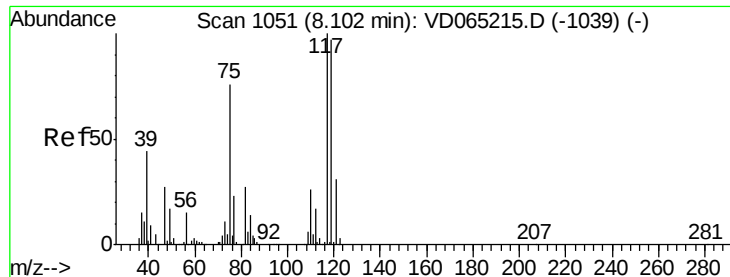


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

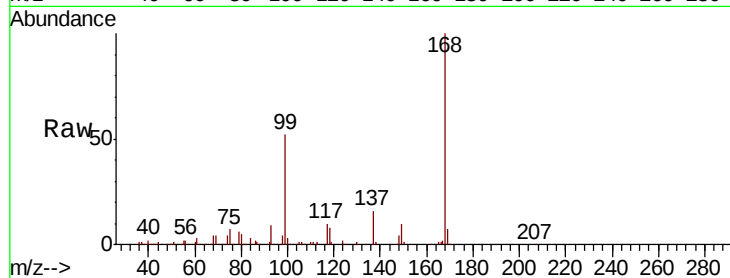




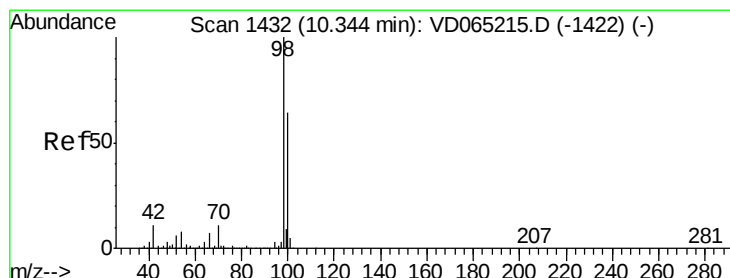
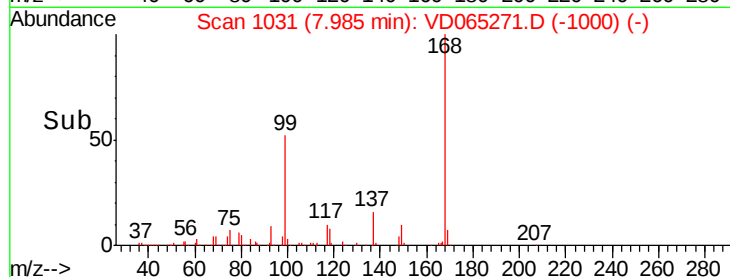
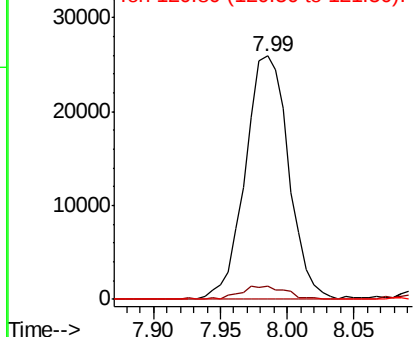
#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065271.D
Acq: 21 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 58321
Ion Ratio Lower Upper
117 100
119 5.4 77.6 116.4#
121 0.0 24.8 37.2#

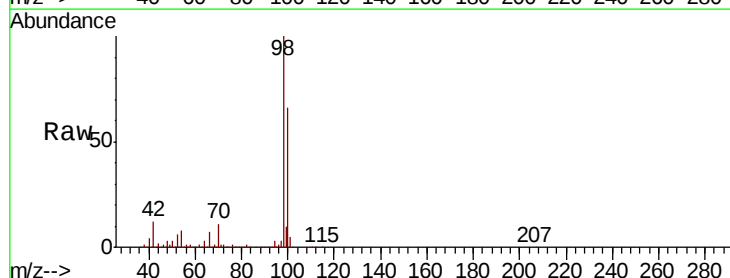


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

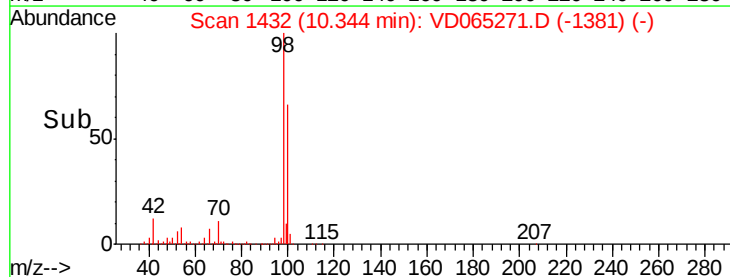
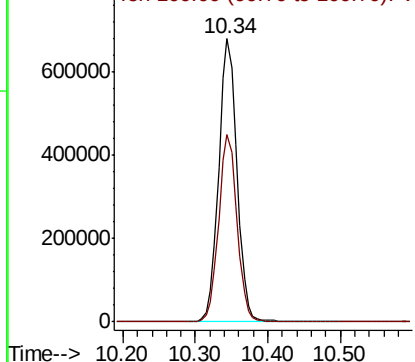


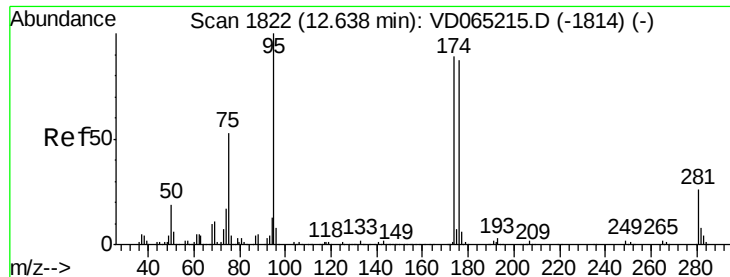
#50
Toluene-d8
Concen: 51.066 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065271.D
Acq: 21 Feb 2020 13:13

Tgt Ion: 98 Resp: 1193981
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



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





#62

4-Bromofluorobenzene

Concen: 47.466 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065271.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

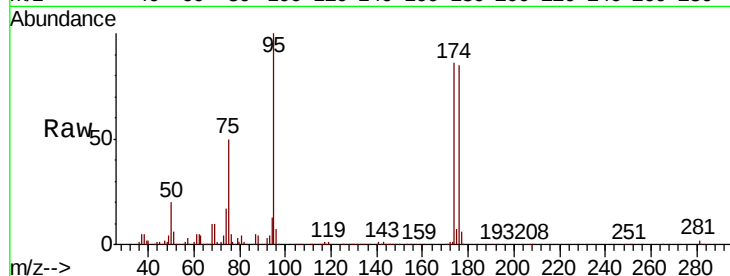
Tot Ion: 95 Resp: 351581

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.0

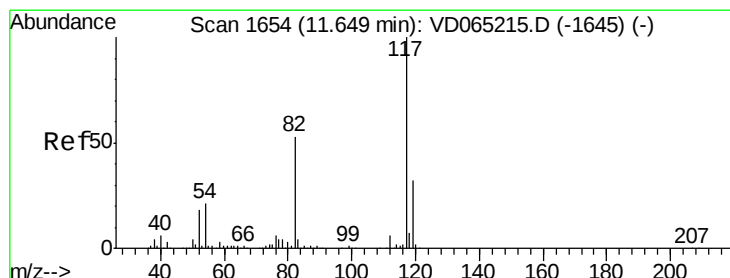
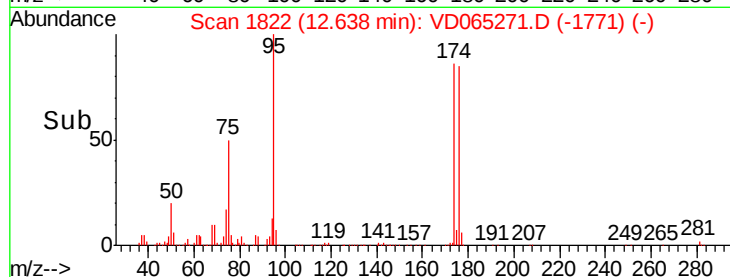
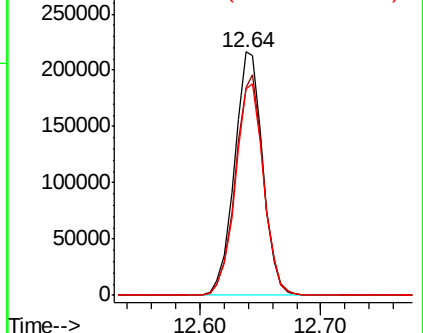
176 87.2 0.0 174.4



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: VD065271.D

Acq: 21 Feb 2020 13:13

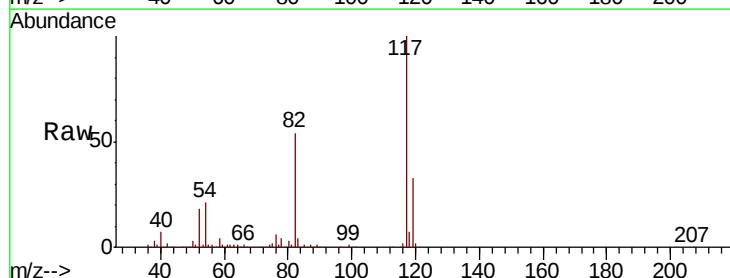
Tgt Ion: 117 Resp: 885292

Ion Ratio Lower Upper

117 100

82 53.6 42.7 64.1

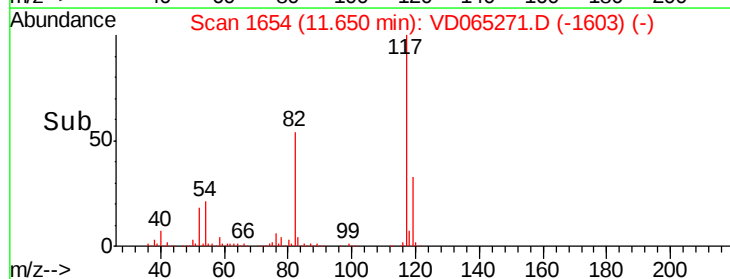
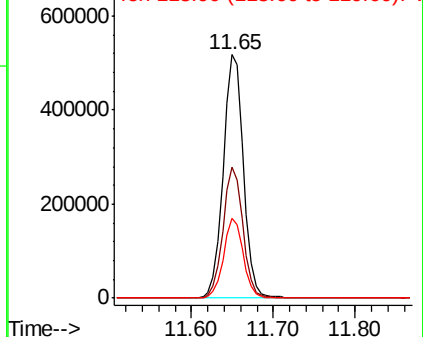
119 32.6 25.5 38.3

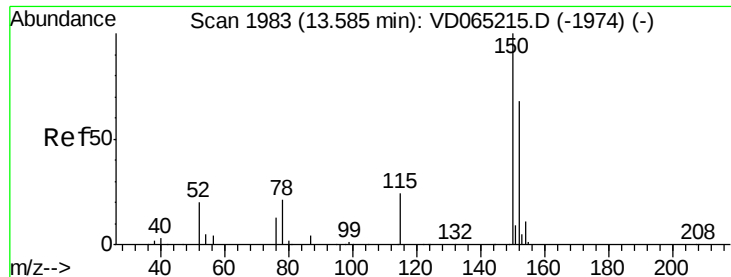


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065271.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

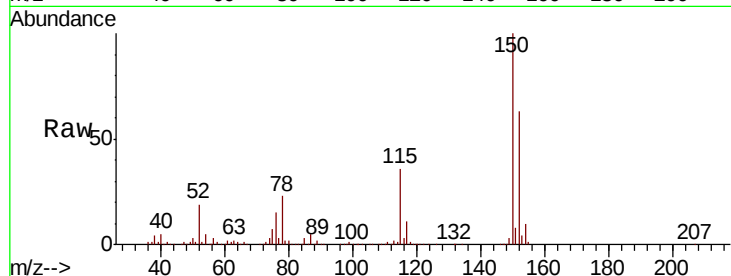
Tot Ion:152 Resp: 386477

Ion Ratio Lower Upper

152 100

115 55.8 27.6 82.8

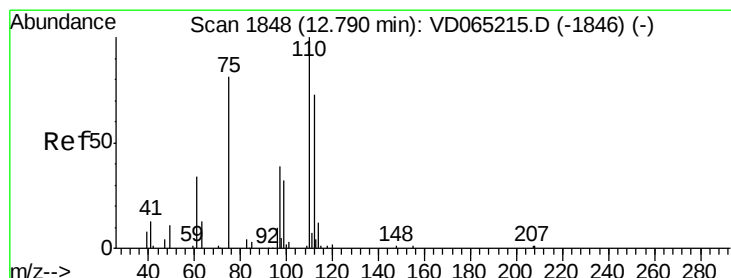
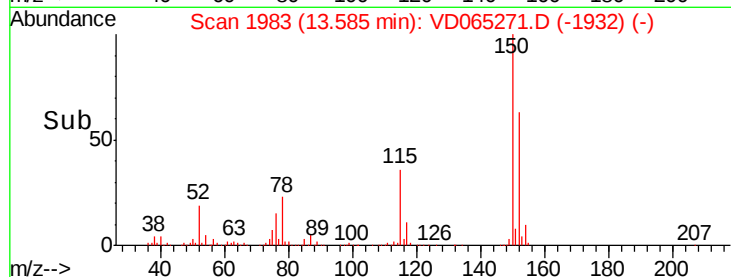
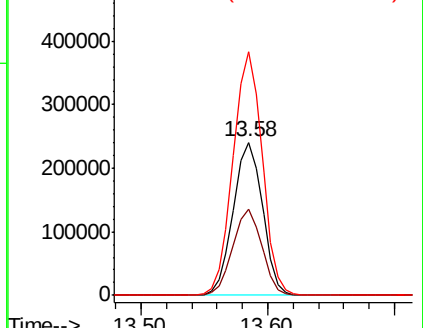
150 158.1 0.0 347.4



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: 53.009 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065271.D

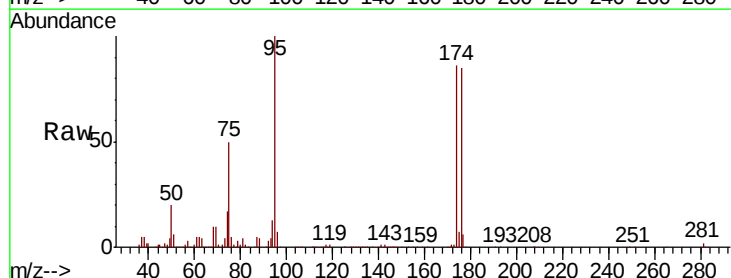
Acq: 21 Feb 2020 13:13

Tgt Ion: 75 Resp: 174306

Ion Ratio Lower Upper

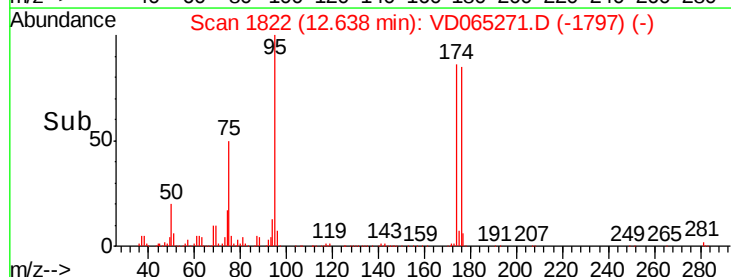
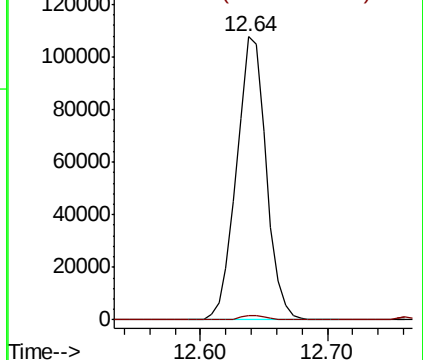
75 100

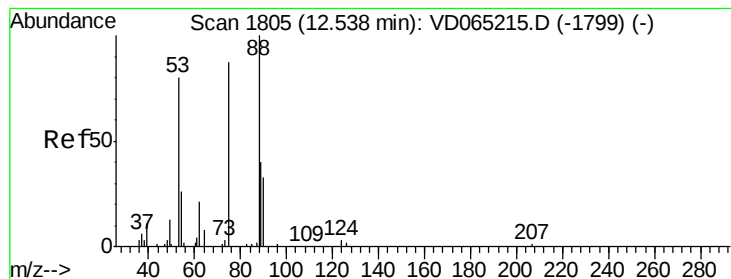
77 1.3 0.0 0.0#



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: 114.455 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065271.D

Acq: 21 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

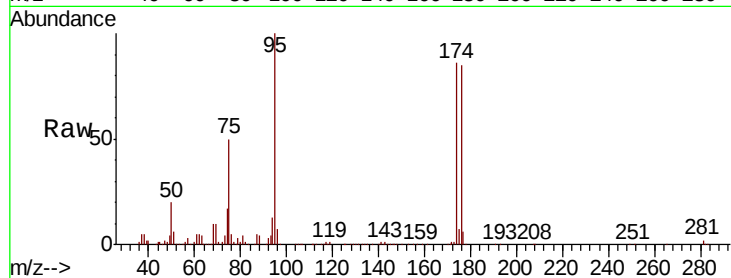
Tot Ion: 75 Resp: 174306

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

