

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064619.D
 Acq On : 27 Dec 2019 02:03
 Operator : VA/SY
 Sample : K6438-12
 Misc : 5.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 05:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

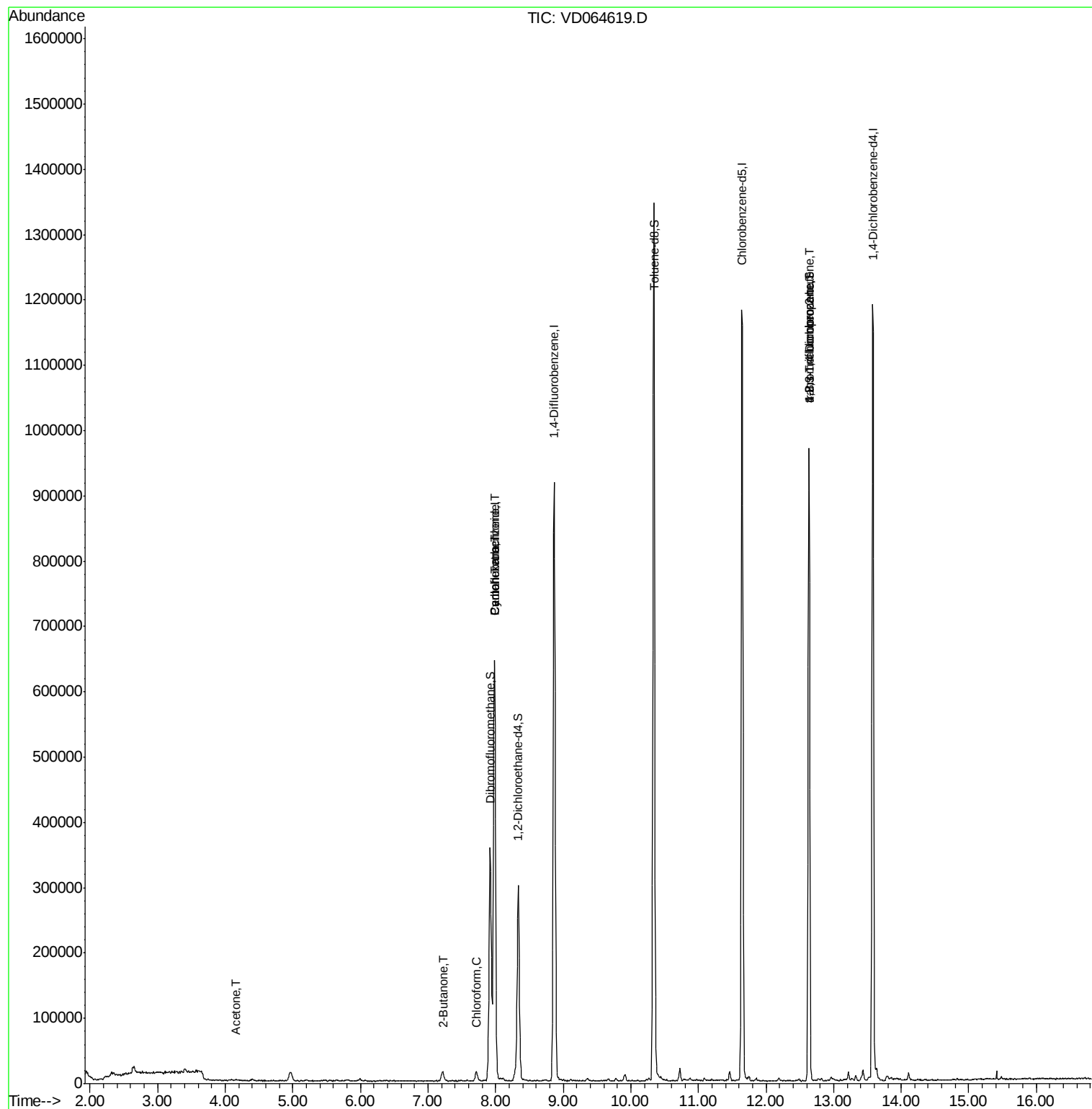
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	793259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	692876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323554	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	227696	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
35) Dibromofluoromethane	7.92	113	241403	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
50) Toluene-d8	10.34	98	932932	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.64	95	284172	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	3183	7.168	ug/l #	79
20) Methylene Chloride	4.95	84	10251	Below Cal	#	79
25) 2-Butanone	7.23	43	1439	1.172	ug/l #	77
30) Chloroform	7.72	83	13288	1.523	ug/l	96
31) Cyclohexane	7.98	56	11670	1.402	ug/l #	25
38) Carbon Tetrachloride	7.98	117	48018	5.898	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	149861	58.654	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	149861	122.674	ug/l #	10

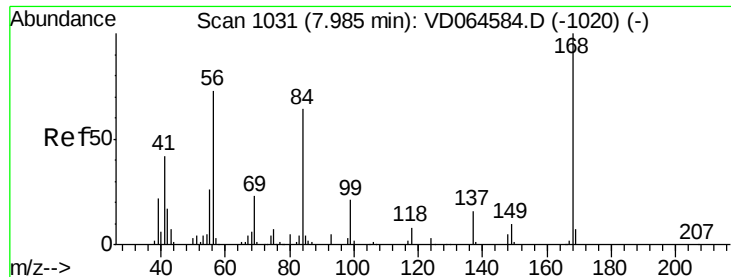
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
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: VD064619.D

Acq: 27 Dec 2019 02:03

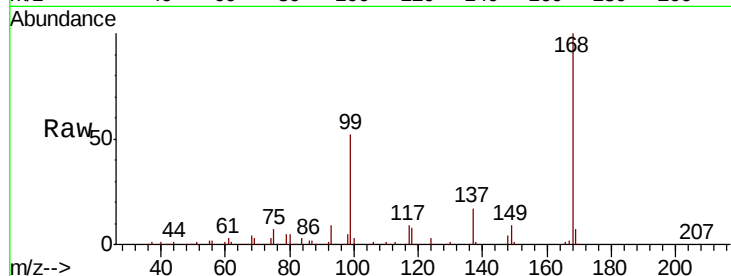
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 506441

Ion Ratio Lower Upper

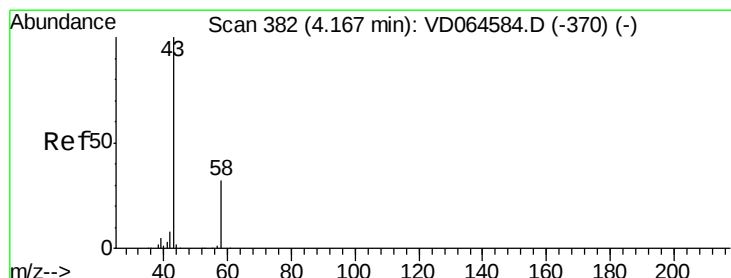
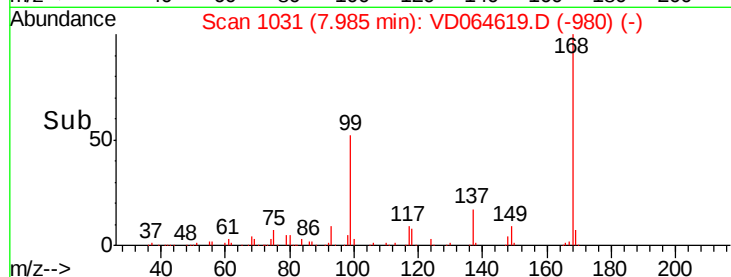
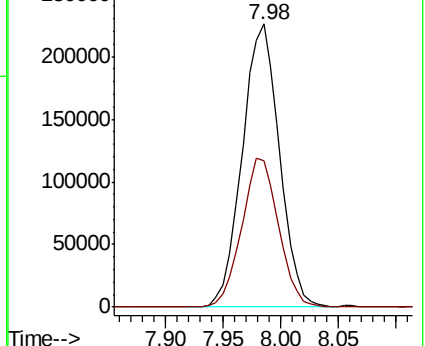
168 100

99 51.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 7.168 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064619.D

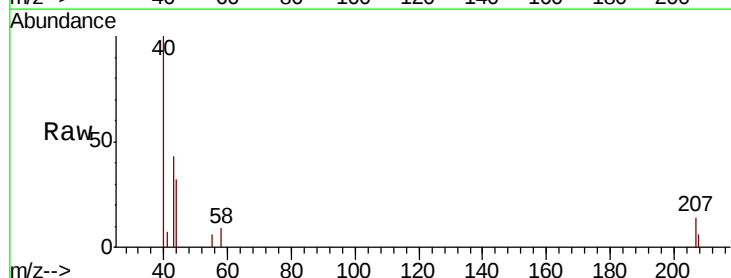
Acq: 27 Dec 2019 02:03

Tgt Ion: 43 Resp: 3183

Ion Ratio Lower Upper

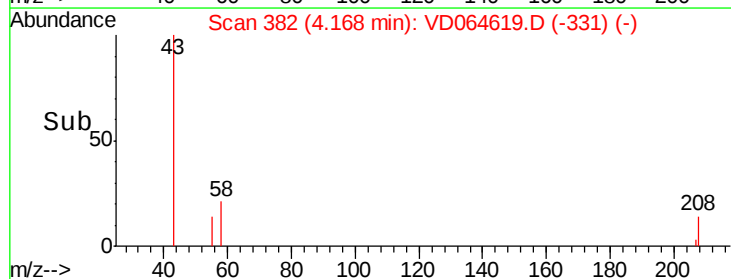
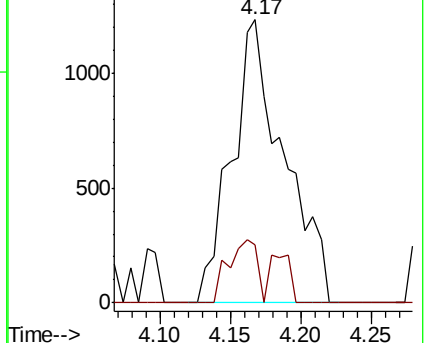
43 100

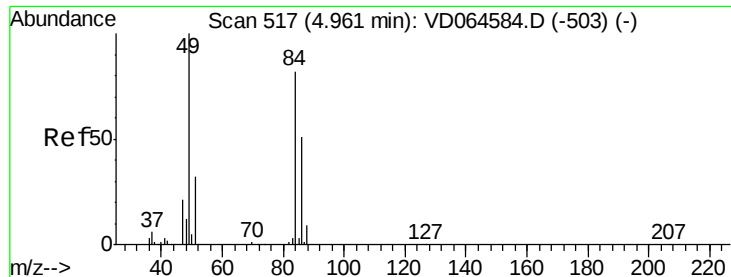
58 20.6 25.8 38.6#



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: 4.95 min Scan# 515

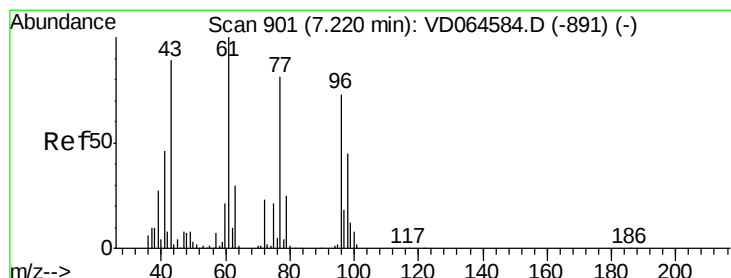
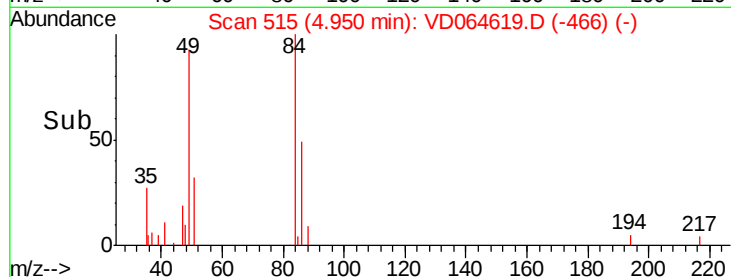
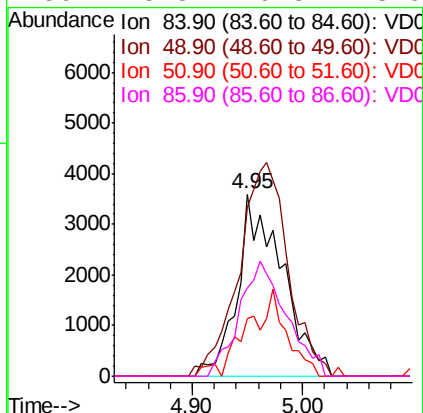
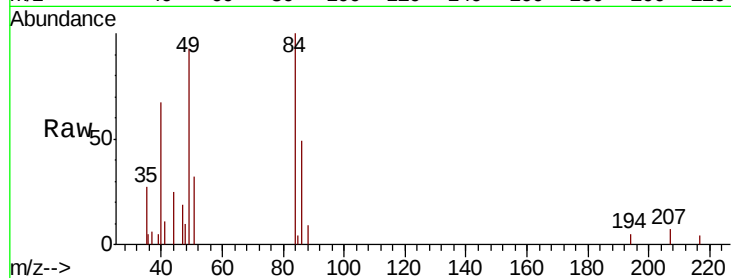
Delta R.T. -0.01 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	10251
Ion	Ratio	Lower	Upper
84	100		
49	92.6	97.2	145.8#
51	32.0	31.4	47.0
86	48.8	49.3	73.9#



#25

2-Butanone

Concen: 1.172 ug/l

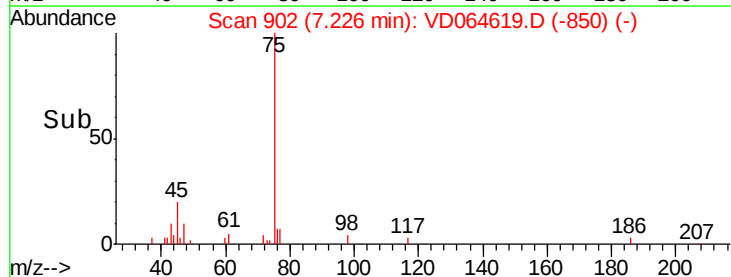
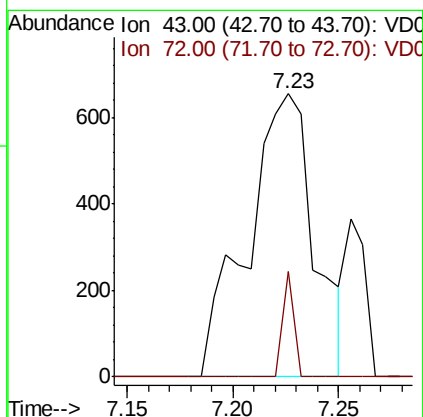
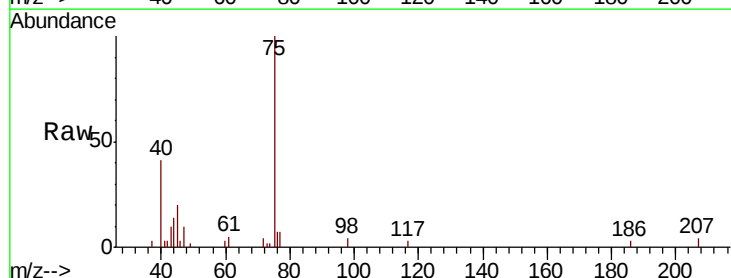
RT: 7.23 min Scan# 902

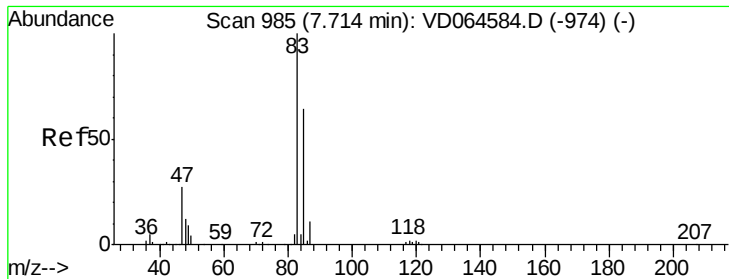
Delta R.T. 0.01 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

Tgt Ion:	43	Resp:	1439
Ion	Ratio	Lower	Upper
43	100		
72	37.4	20.7	31.1#

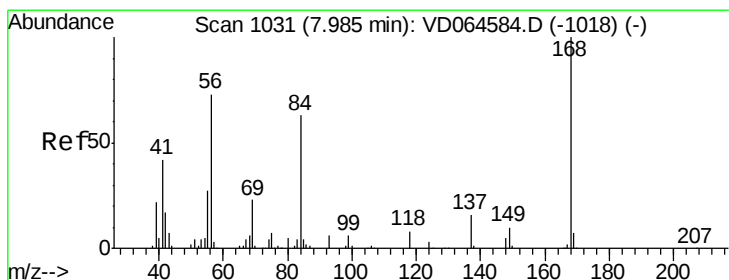
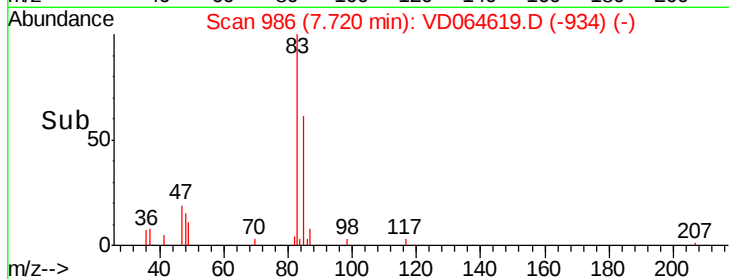
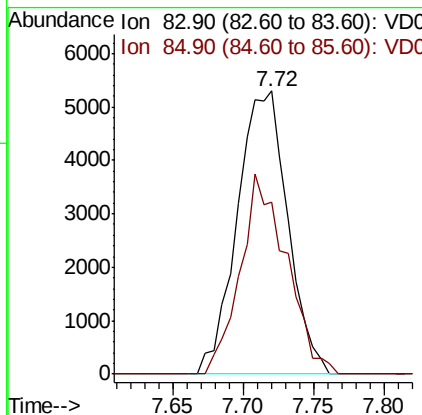
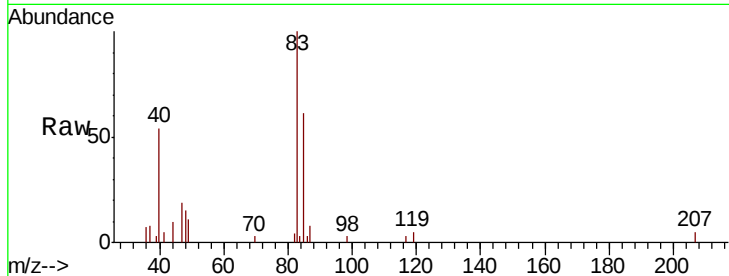




#30
Chloroform
Concen: 1.523 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064619.D
Acq: 27 Dec 2019 02:03

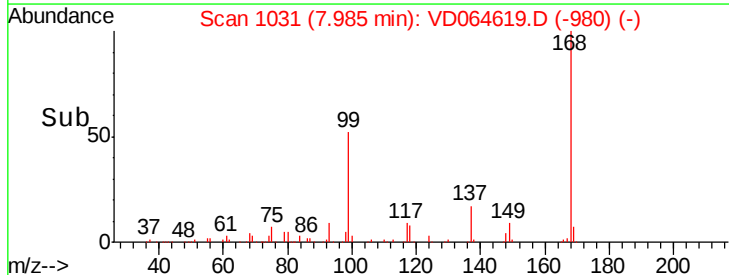
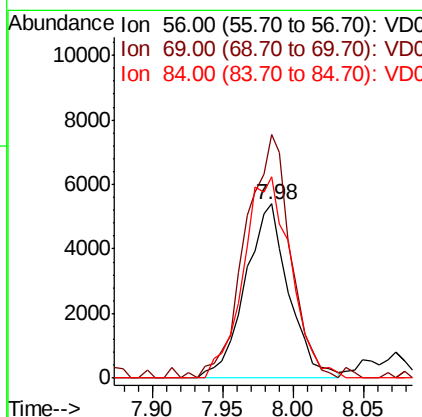
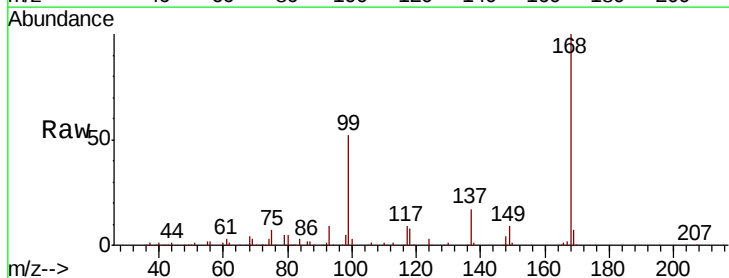
Instrument :
MSVOA_D
ClientSampleId :

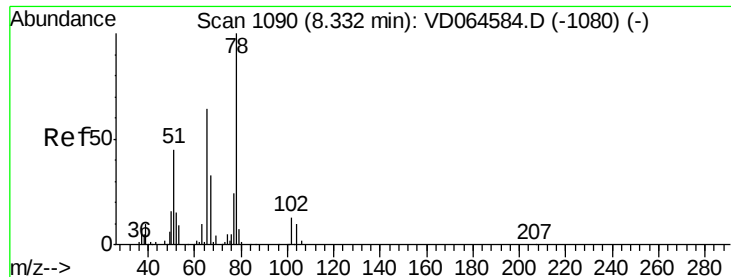
Tot Ion: 83 Resp: 13288
Ion Ratio Lower Upper
83 100
85 60.8 51.1 76.7



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064619.D
Acq: 27 Dec 2019 02:03

Tgt Ion: 56 Resp: 11670
Ion Ratio Lower Upper
56 100
69 139.8 24.7 37.1#
84 115.5 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 50.987 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

Instrument :

MSVOA_D

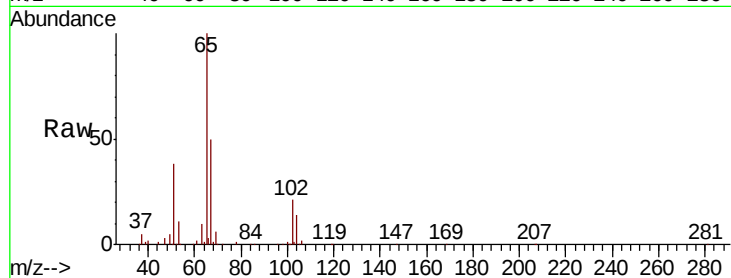
ClientSampleId :

Tot Ion: 65 Resp: 227696

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

60000

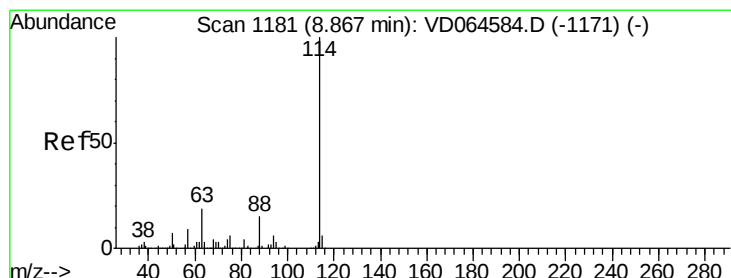
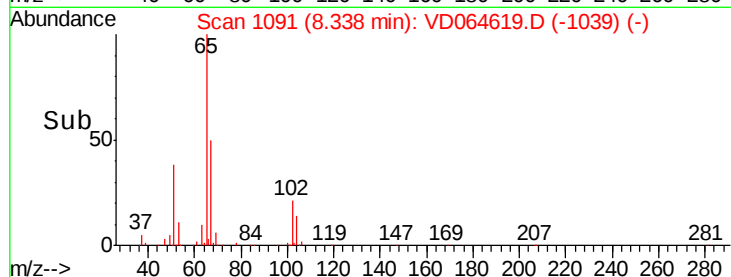
40000

20000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

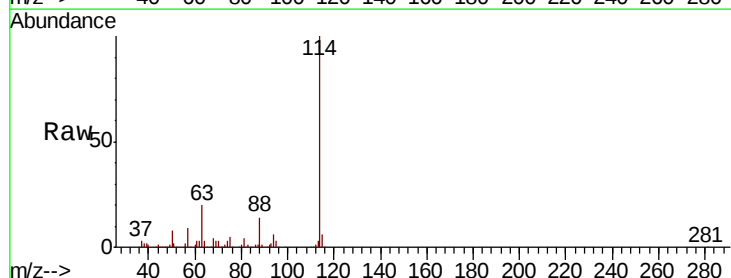
Tgt Ion: 114 Resp: 793259

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

88 14.2 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

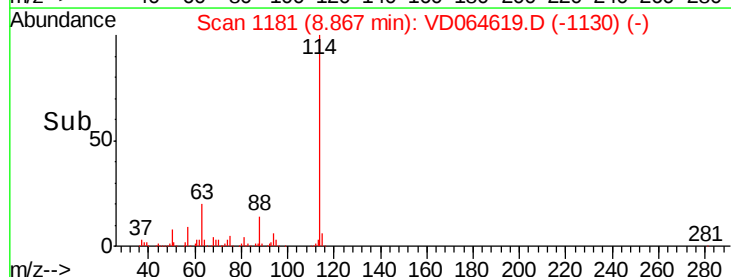
200000

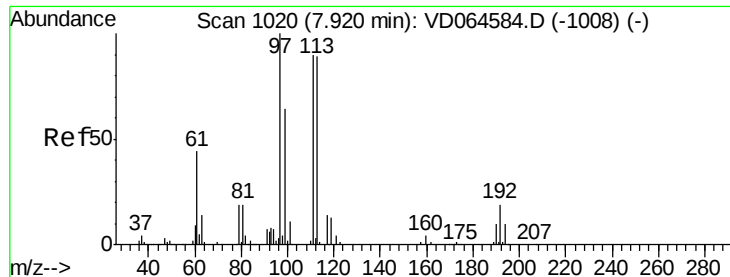
100000

0

8.80 8.90 9.00

Time-->

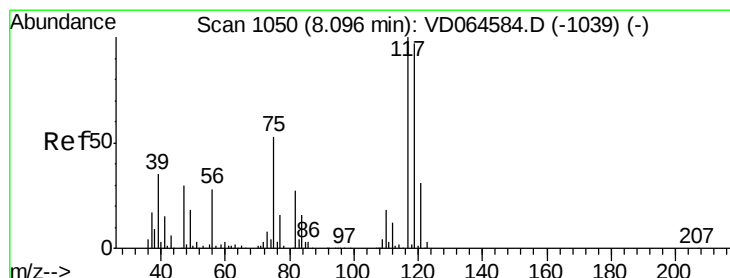
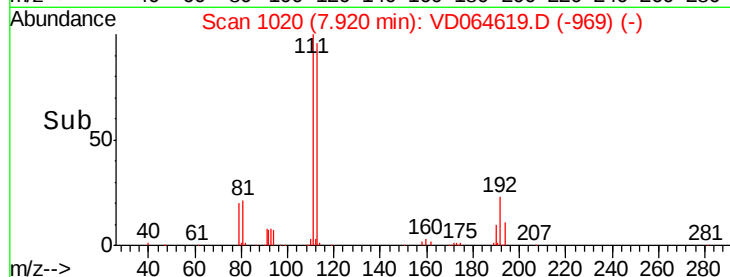
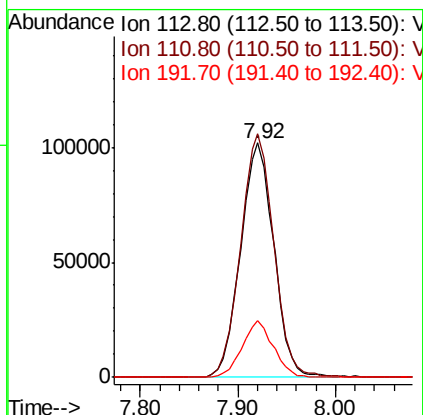
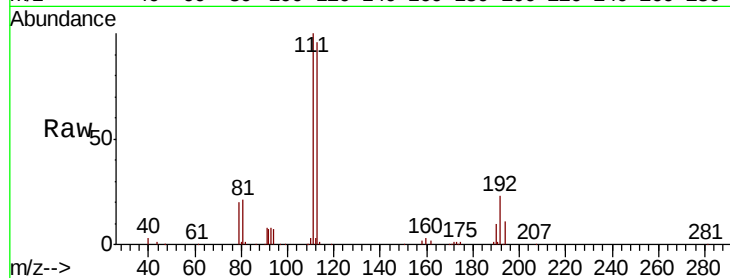




#35
 Dibromofluoromethane
 Concen: 49.602 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064619.D
 Acq: 27 Dec 2019 02:03

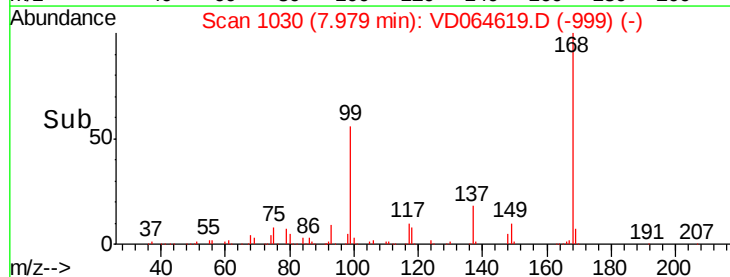
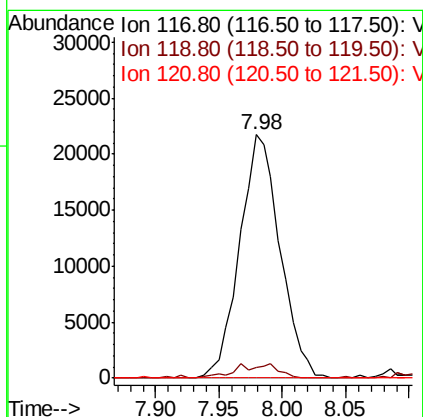
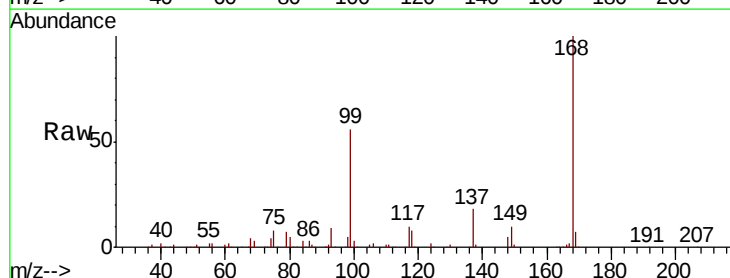
Instrument :
 MSVOA_D
 ClientSampled :

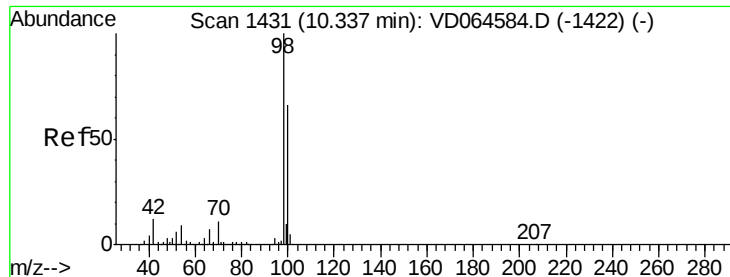
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.6	121.0
192	22.7	17.9	26.9



#38
 Carbon Tetrachloride
 Concen: 5.898 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064619.D
 Acq: 27 Dec 2019 02:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.3	115.9#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 50.052 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

Instrument :

MSVOA_D

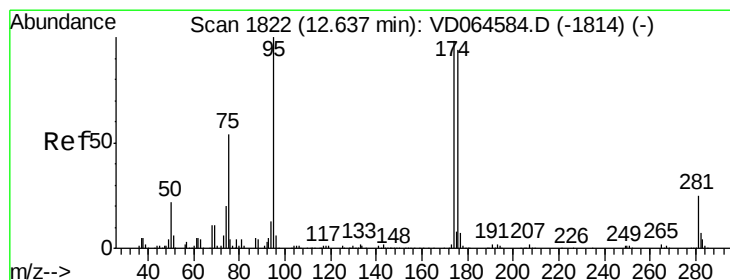
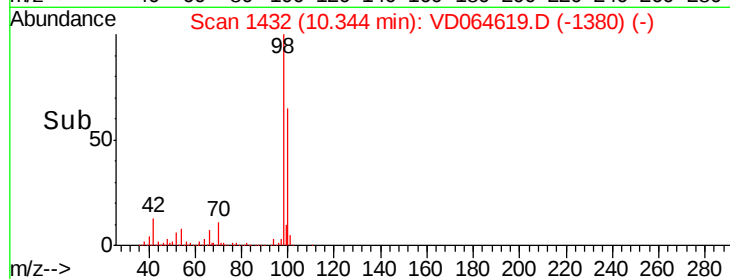
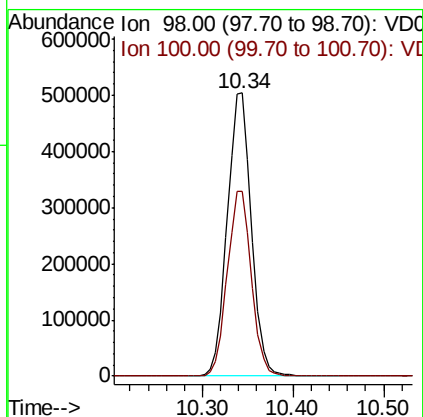
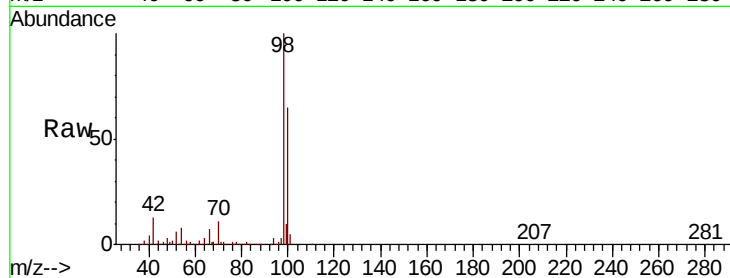
ClientSampled :

Tot Ion: 98 Resp: 932932

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 48.214 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

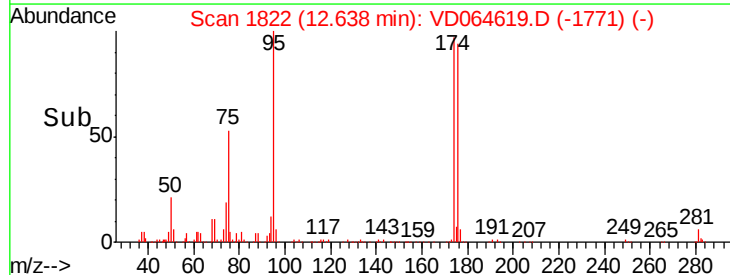
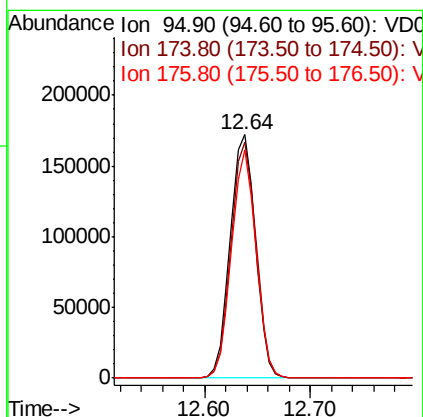
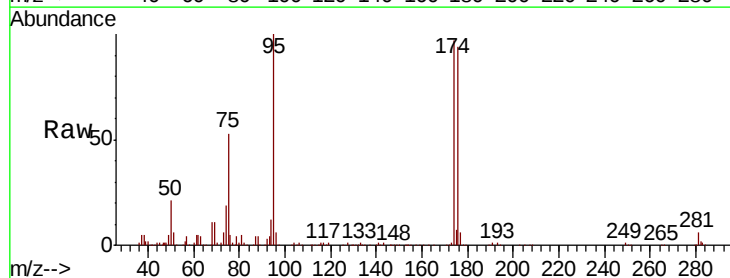
Tgt Ion: 95 Resp: 284172

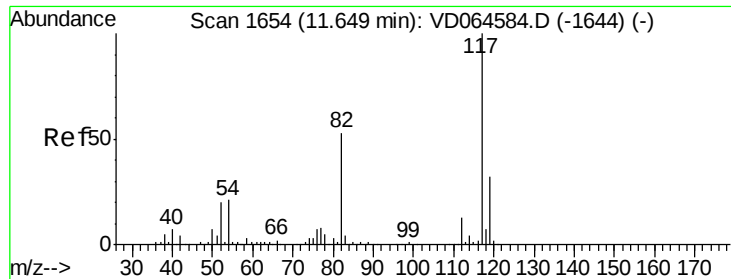
Ion Ratio Lower Upper

95 100

174 95.8 0.0 193.2

176 90.9 0.0 184.2

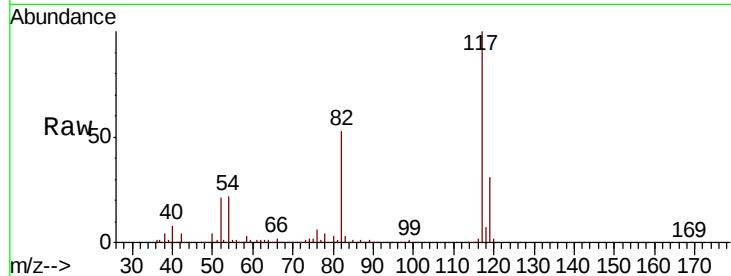




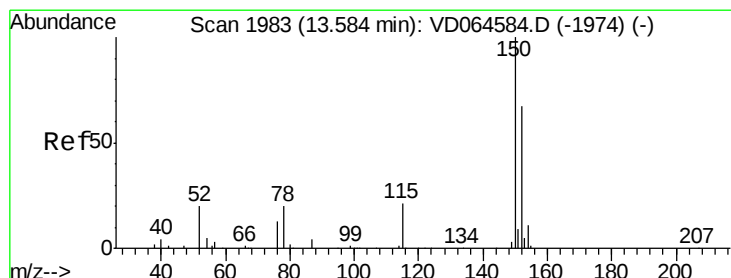
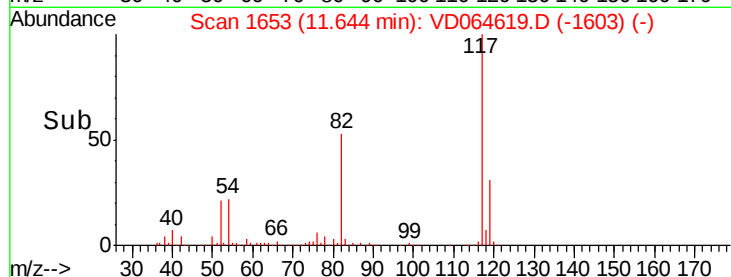
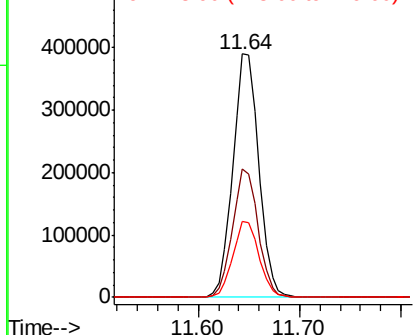
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064619.D
Acq: 27 Dec 2019 02:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 692876
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 31.1 26.0 39.0

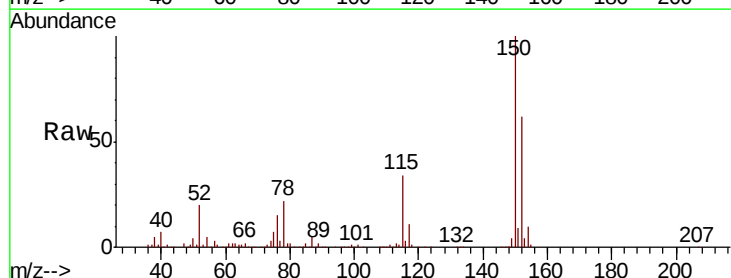


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

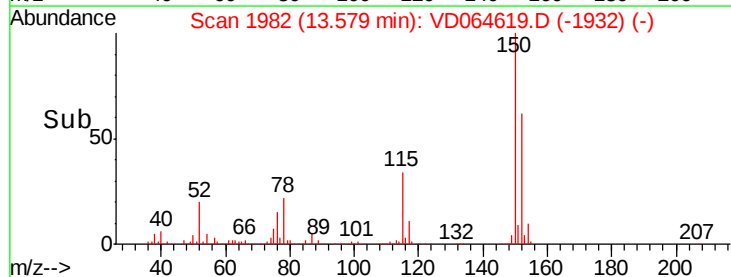
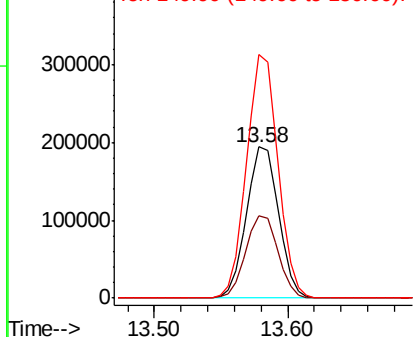


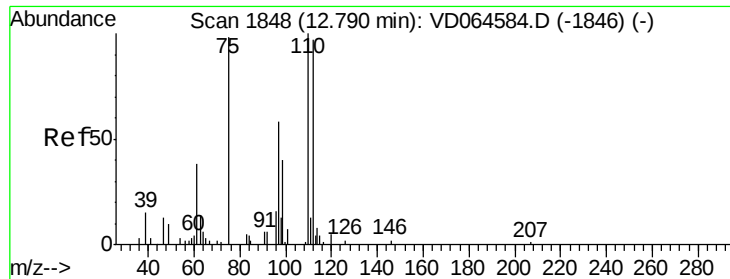
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064619.D
Acq: 27 Dec 2019 02:03

Tgt Ion:152 Resp: 323554
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.4
150 157.1 0.0 351.4



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: 58.654 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

Instrument :

MSVOA_D

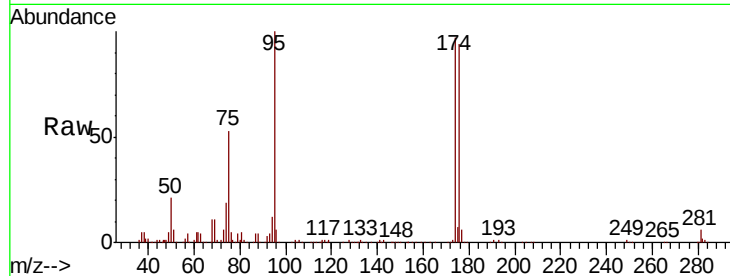
ClientSampled :

Tot Ion: 75 Resp: 149861

Ion Ratio Lower Upper

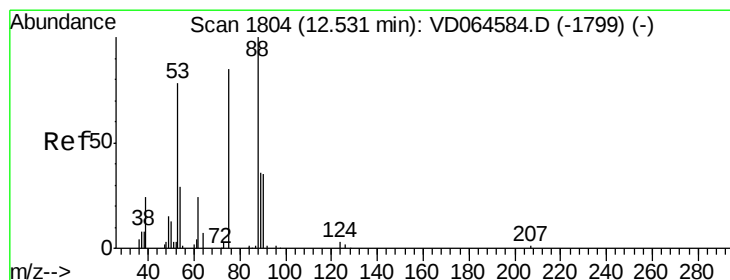
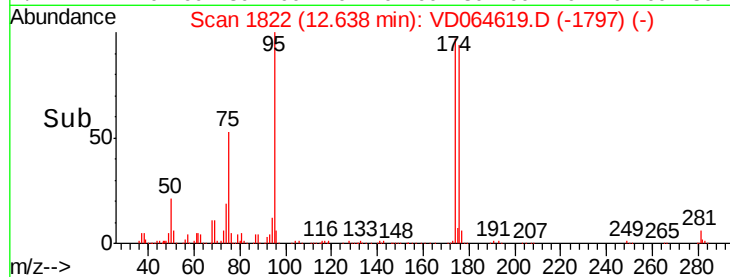
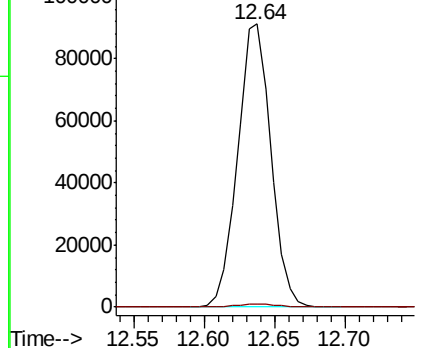
75 100

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: 122.674 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064619.D

Acq: 27 Dec 2019 02:03

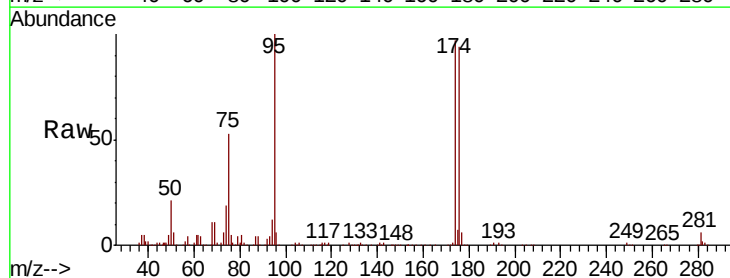
Tgt Ion: 75 Resp: 149861

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 38.3 57.5#



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

