

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064910.D
 Acq On : 21 Jan 2020 15:02
 Operator : VA/SY
 Sample : L1205-06RE
 Misc : 9.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 05:27:56 2020
 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	435442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	707269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291068	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	187350	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	7.92	113	215193	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.34	98	855174	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.64	95	257148	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

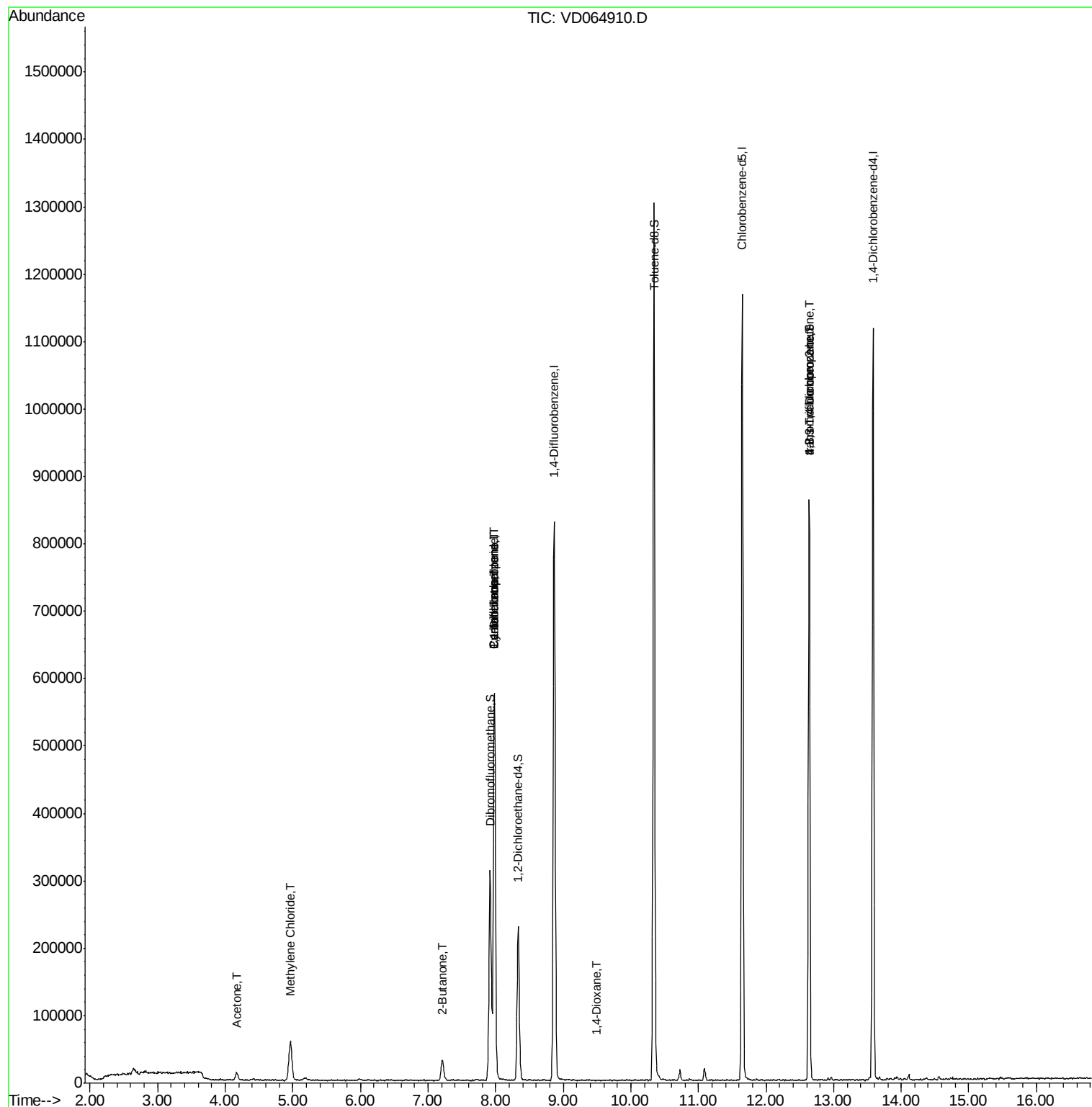
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	19029	25.033	ug/l	91
20) Methylene Chloride	4.96	84	44512	7.146	ug/l	90
25) 2-Butanone	7.21	43	2591	2.455	ug/l #	88
31) Cyclohexane	7.98	56	9660	1.349	ug/l #	12
36) 1,1-Dichloropropene	7.98	75	32054	4.709	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43296	5.965	ug/l #	15
49) 1,4-Dioxane	9.48	88	68	2.384	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	139274	60.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	139274	126.732	ug/l #	10

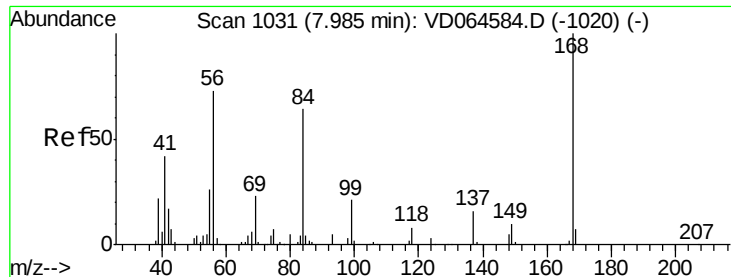
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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# 1030

Delta R.T. -0.01 min

Lab File: VD064910.D

Acq: 21 Jan 2020 15:02

Instrument :

MSVOA_D

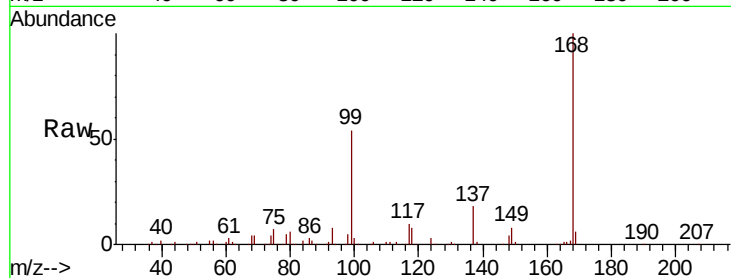
ClientSampleId :

Tot Ion:168 Resp: 435442

Ion Ratio Lower Upper

168 100

99 53.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

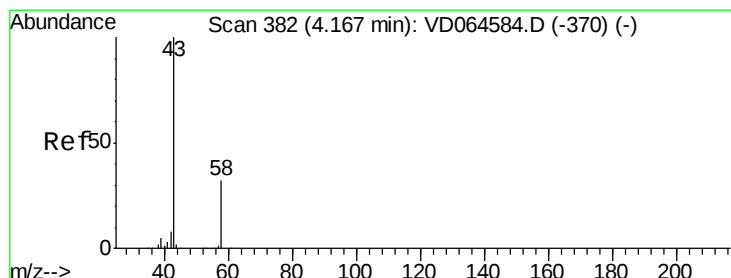
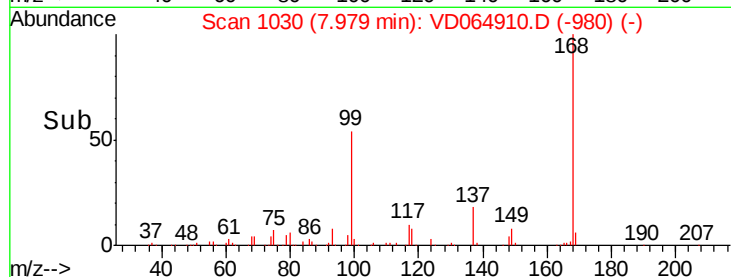
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 25.033 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064910.D

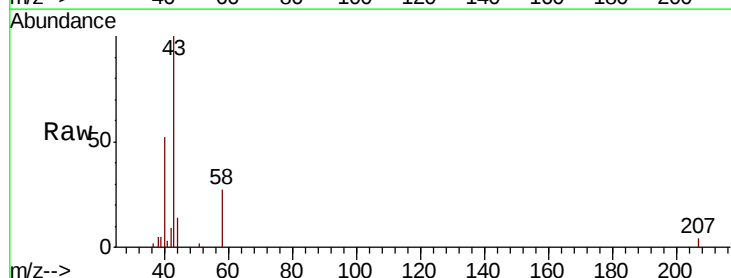
Acq: 21 Jan 2020 15:02

Tgt Ion: 43 Resp: 19029

Ion Ratio Lower Upper

43 100

58 27.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

8000

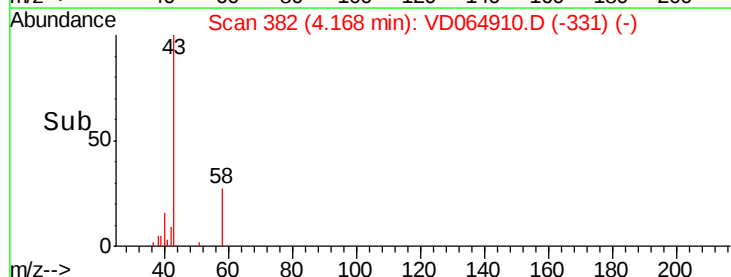
6000

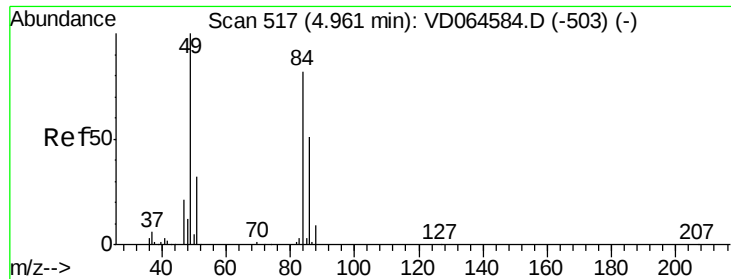
4000

2000

0

Time-->

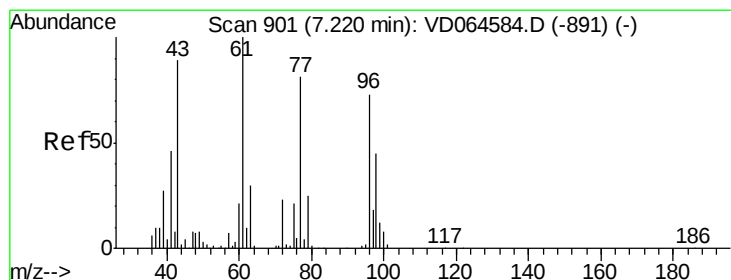
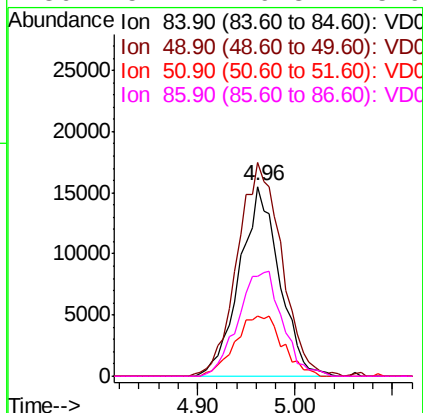
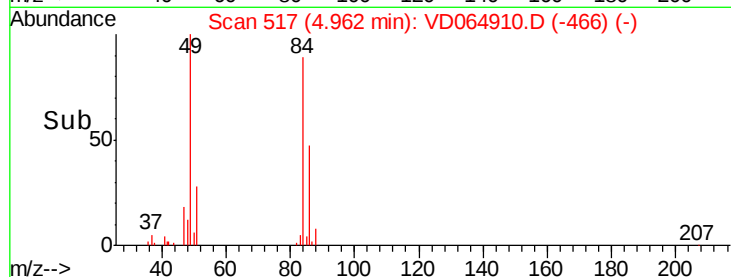
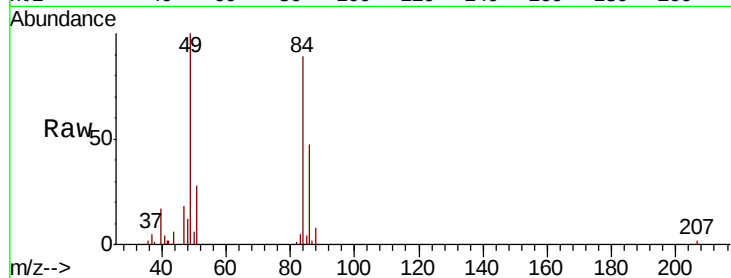




#20
Methvlene Chloride
Concen: 7.146 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064910.D
Acq: 21 Jan 2020 15:02

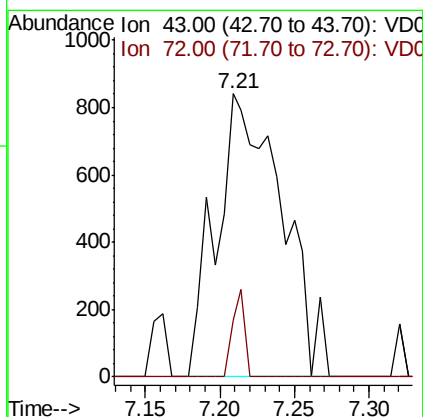
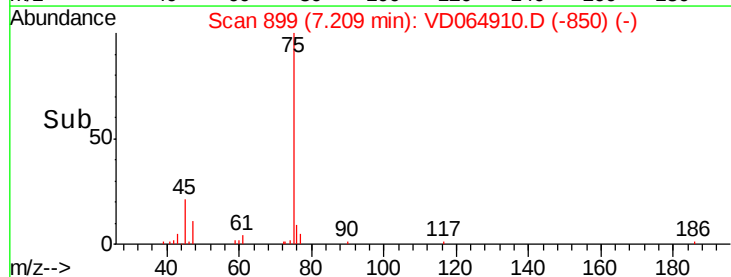
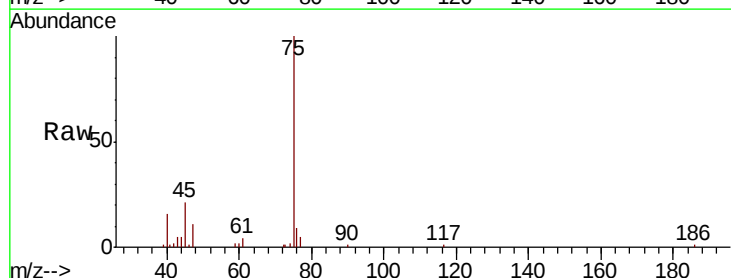
Instrument :
MSVOA_D
ClientSampled :

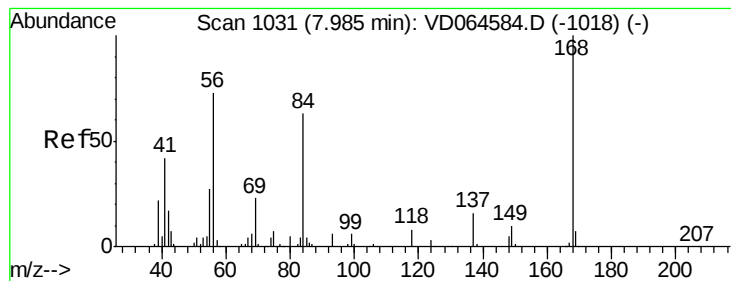
Tot Ion: 84 Resp: 44512
Ion Ratio Lower Upper
84 100
49 112.6 97.2 145.8
51 31.5 31.4 47.0
86 52.4 49.3 73.9



#25
2-Butanone
Concen: 2.455 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064910.D
Acq: 21 Jan 2020 15:02

Tgt Ion: 43 Resp: 2591
Ion Ratio Lower Upper
43 100
72 20.0 20.7 31.1#





#31

Cyclohexane

Concen: 1.349 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064910.D

Acq: 21 Jan 2020 15:02

Instrument :

MSVOA_D

ClientSampled :

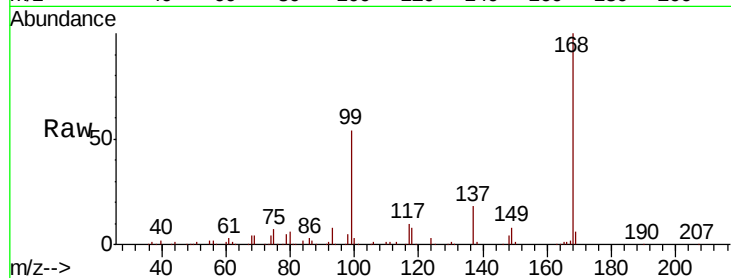
Tot Ion: 56 Resp: 9660

Ion Ratio Lower Upper

56 100

69 179.2 24.7 37.1#

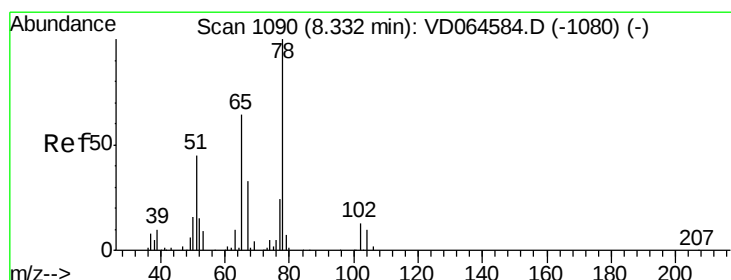
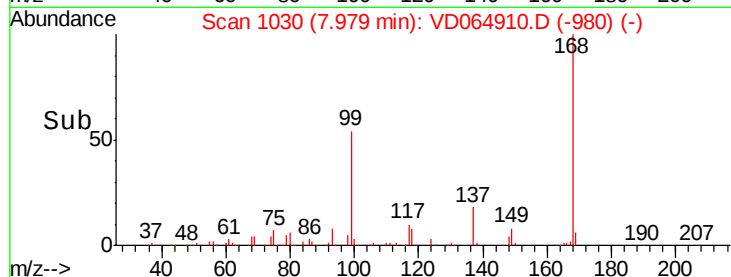
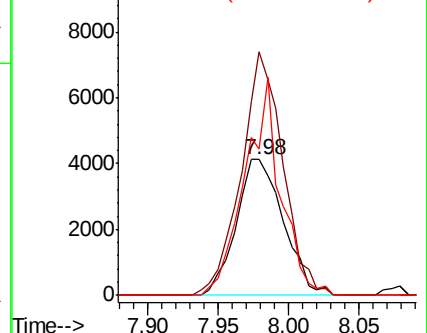
84 108.1 69.4 104.2#



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: 48.793 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064910.D

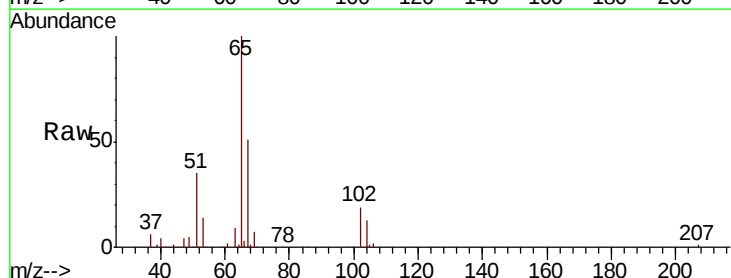
Acq: 21 Jan 2020 15:02

Tgt Ion: 65 Resp: 187350

Ion Ratio Lower Upper

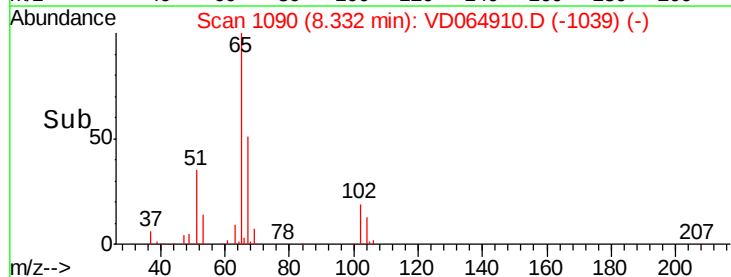
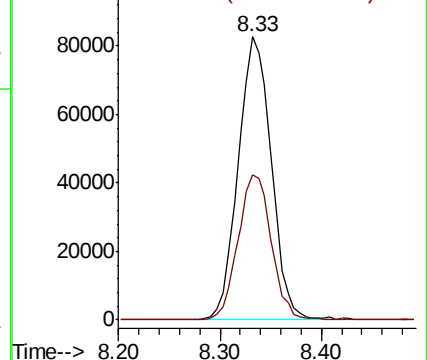
65 100

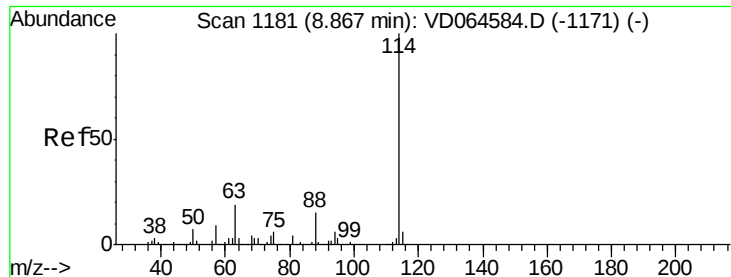
67 51.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

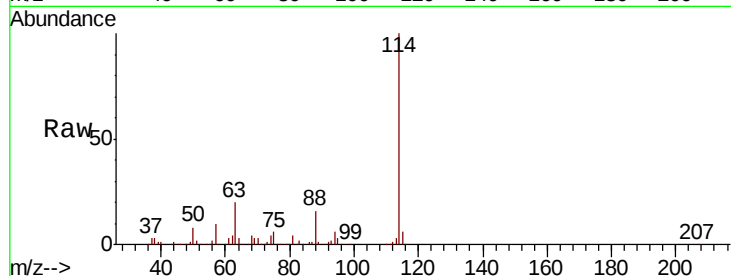




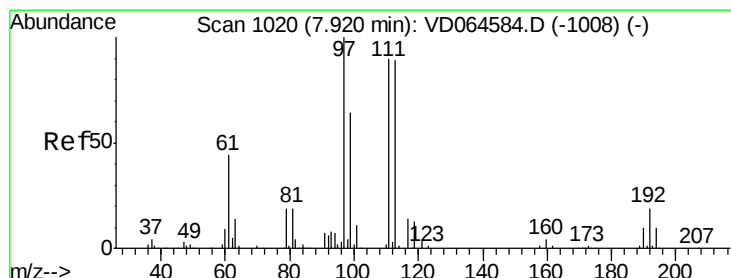
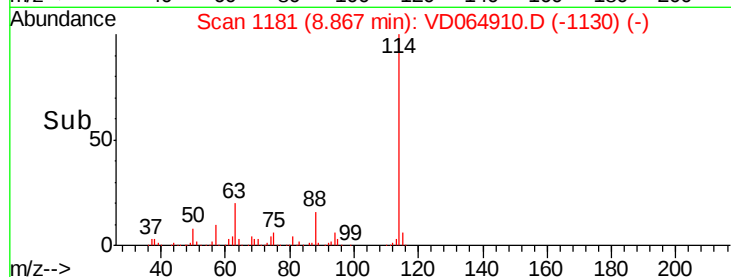
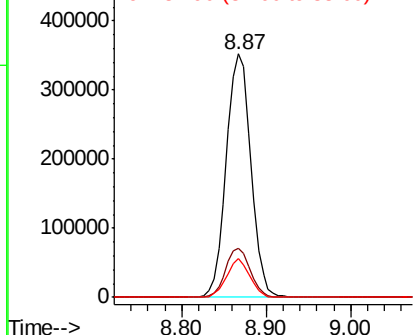
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064910.D
 Acq: 21 Jan 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 707269
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.0
 88 15.8 0.0 29.2

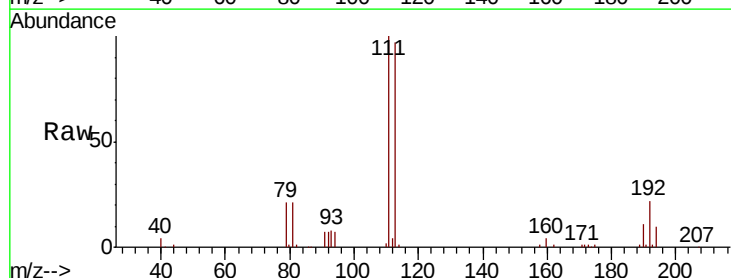


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

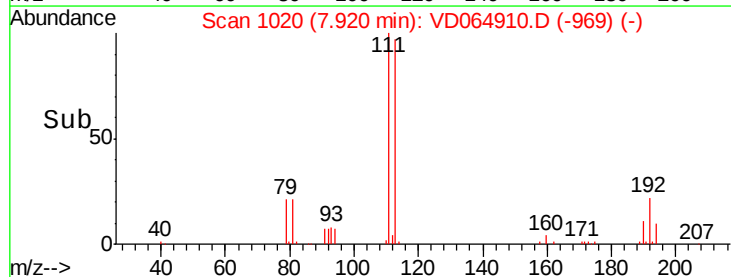
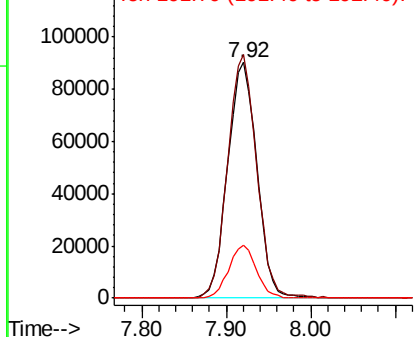


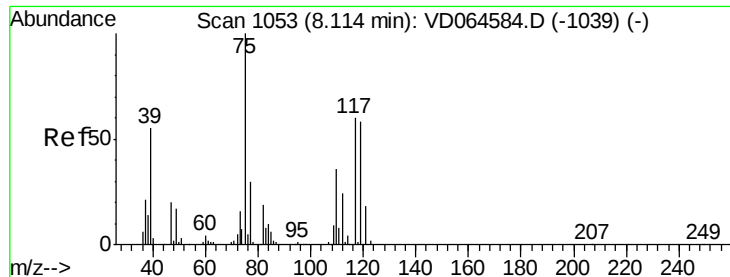
#35
 Dibromofluoromethane
 Concen: 49.593 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064910.D
 Acq: 21 Jan 2020 15:02

Tgt Ion:113 Resp: 215193
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.6 121.0
 192 21.3 17.9 26.9



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: 4.709 ug/l

RT: 7.98 min Scan# 1031

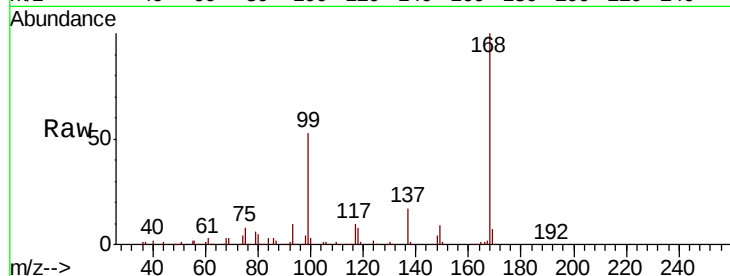
Delta R.T. -0.13 min

Lab File: VD064910.D

Acq: 21 Jan 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	32054
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.0	24.2	36.4#

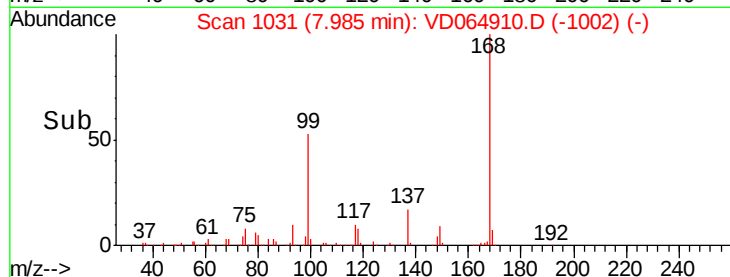


Abundance Ion 74.90 (74.60 to 75.60): VD064910.D (-1002) (-)

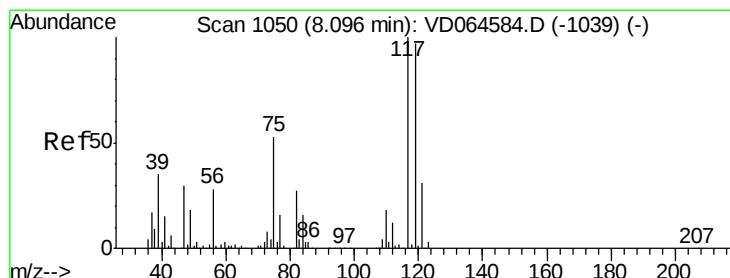
Ion 109.90 (109.60 to 110.60): VD064910.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD064910.D (-1002) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.965 ug/l

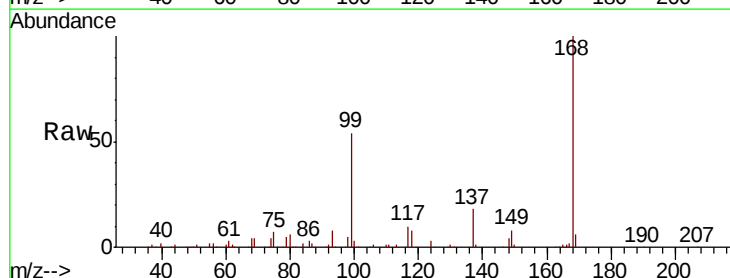
RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064910.D

Acq: 21 Jan 2020 15:02

Tgt Ion:	117	Resp:	43296
Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.3	115.9#
121	0.0	25.0	37.6#

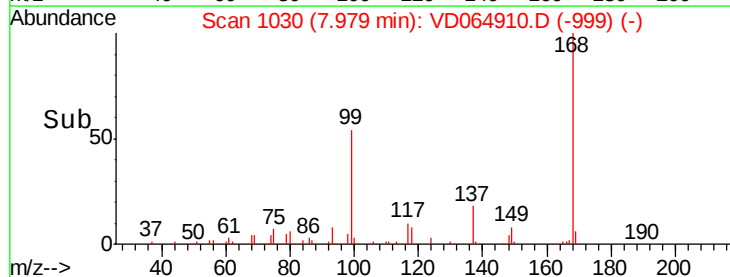


Abundance Ion 116.80 (116.50 to 117.50): VD064910.D (-999) (-)

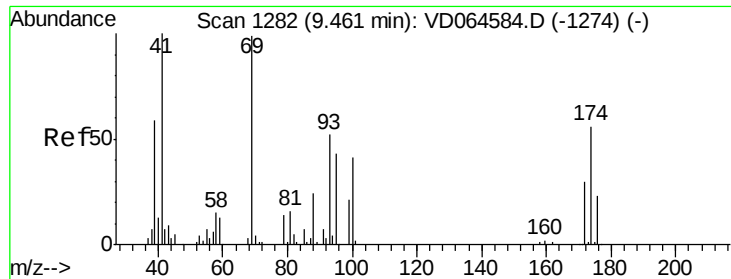
Ion 118.80 (118.50 to 119.50): VD064910.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064910.D (-999) (-)

Time-->



Time-->



#49

1,4-Dioxane

Concen: 2.384 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.02 min

Lab File: VD064910.D

Acq: 21 Jan 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

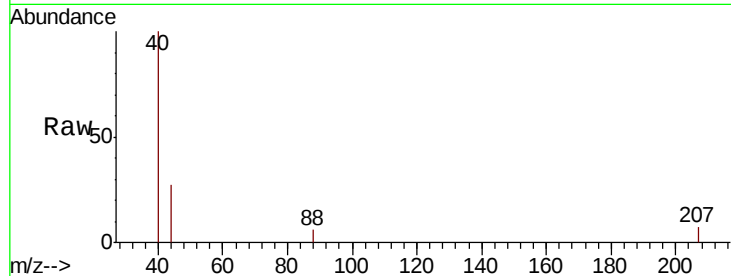
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

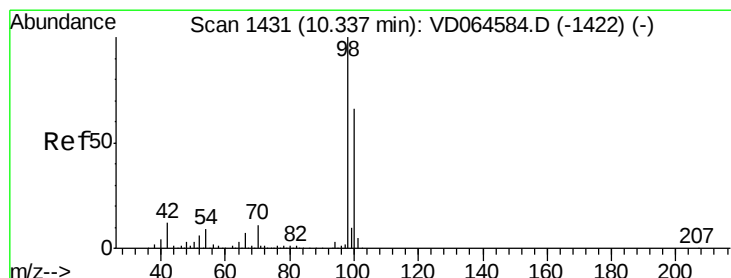
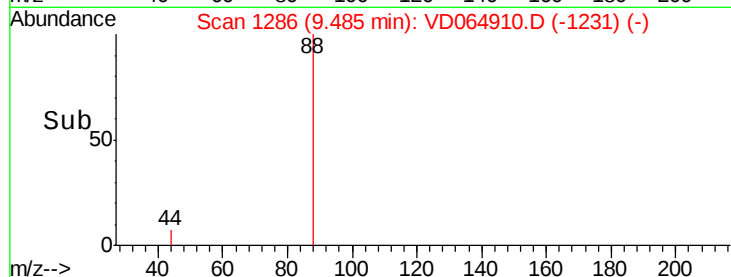
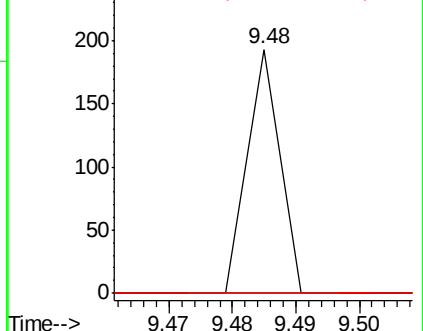
58 0.0 53.8 80.6#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.458 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064910.D

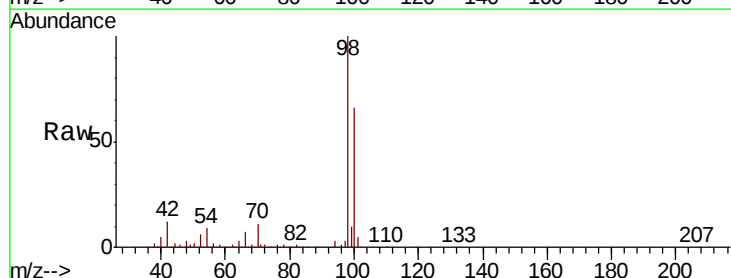
Acq: 21 Jan 2020 15:02

Tgt Ion: 98 Resp: 855174

Ion Ratio Lower Upper

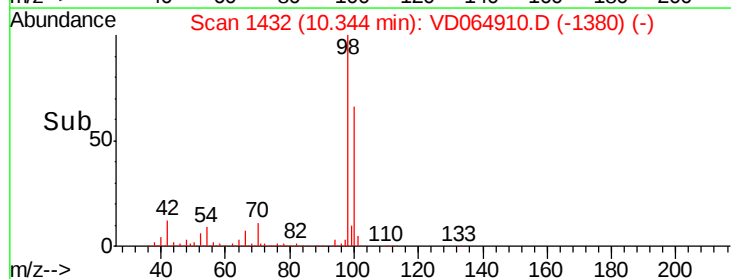
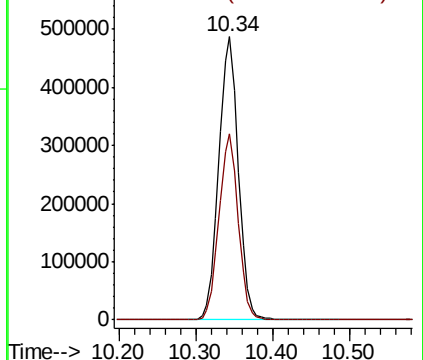
98 100

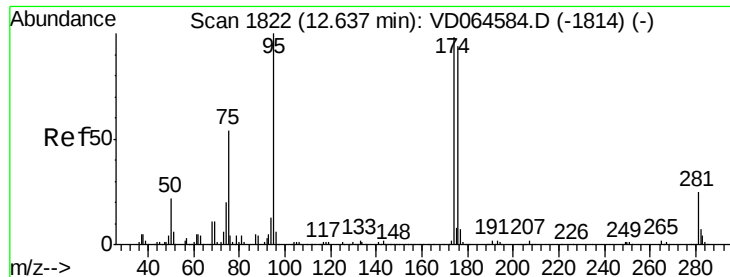
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 48.934 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064910.D

Acq: 21 Jan 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

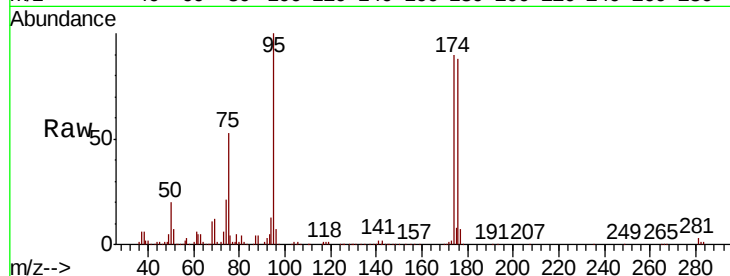
Tot Ion: 95 Resp: 257148

Ion Ratio Lower Upper

95 100

174 91.3 0.0 193.2

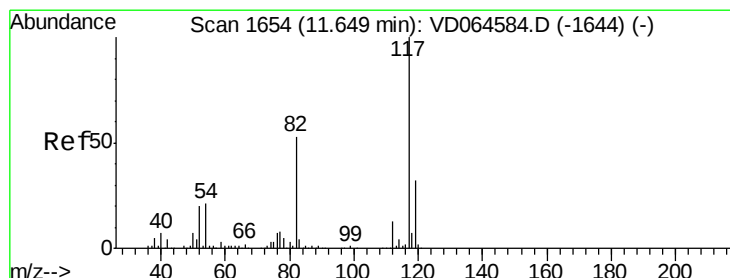
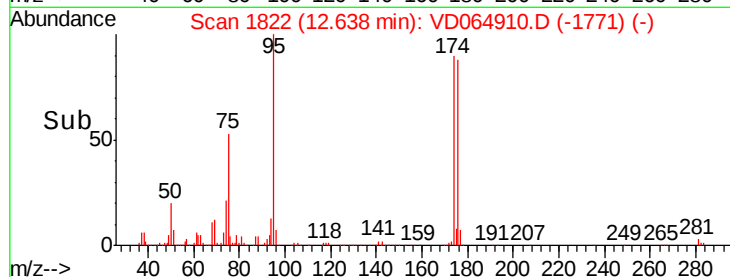
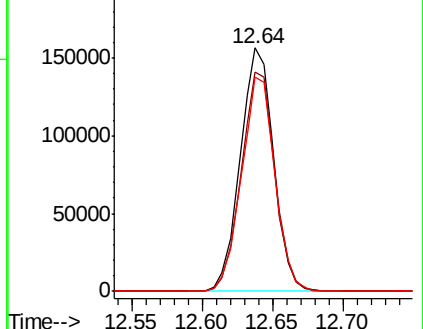
176 88.6 0.0 184.2



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: VD064910.D

Acq: 21 Jan 2020 15:02

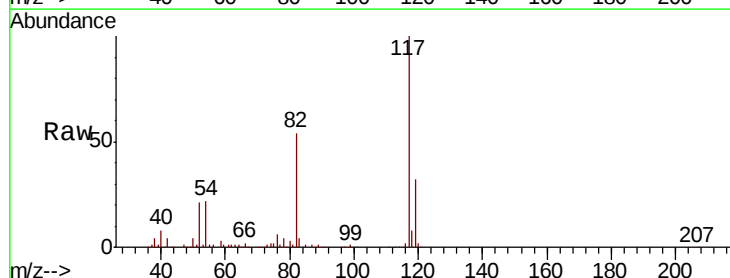
Tgt Ion: 117 Resp: 641666

Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.4

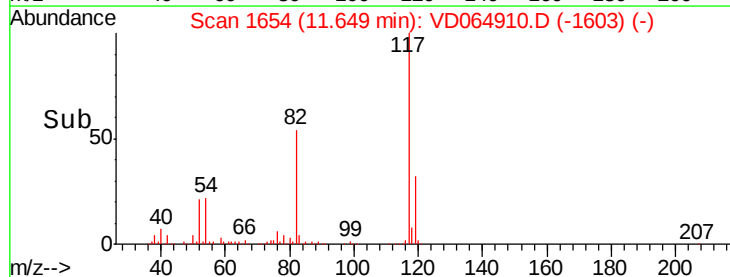
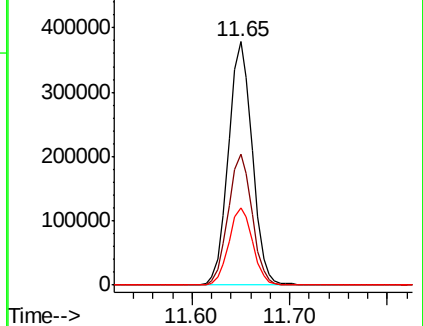
119 31.9 26.0 39.0

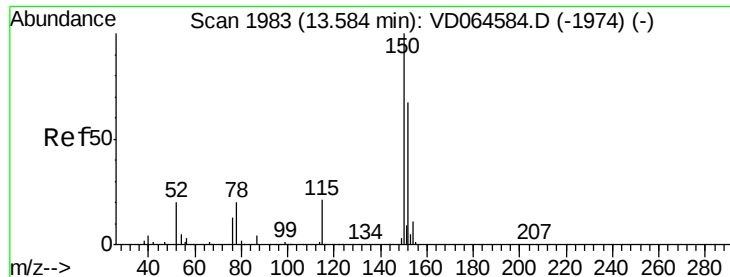


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064910.D

Acq: 21 Jan 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

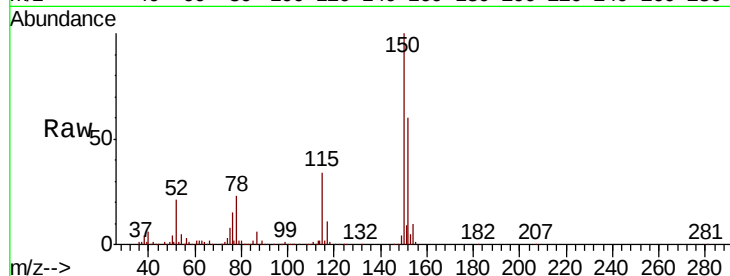
Tot Ion:152 Resp: 291068

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

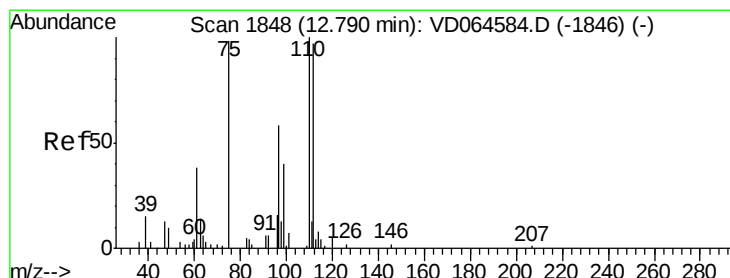
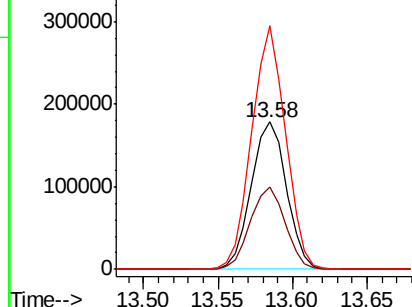
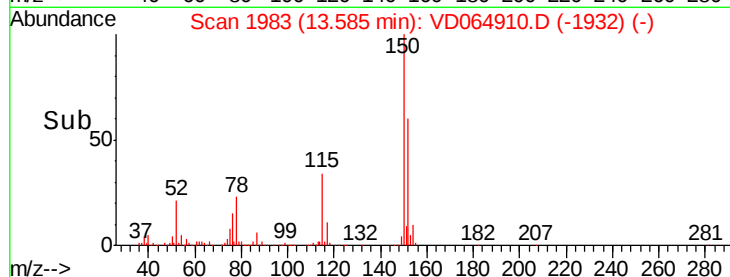
150 158.4 0.0 351.4



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: 60.595 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064910.D

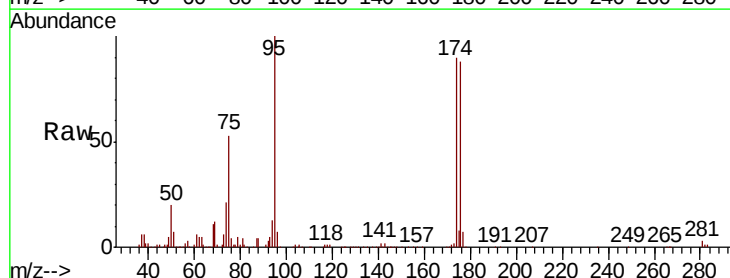
Acq: 21 Jan 2020 15:02

Tgt Ion: 75 Resp: 139274

Ion Ratio Lower Upper

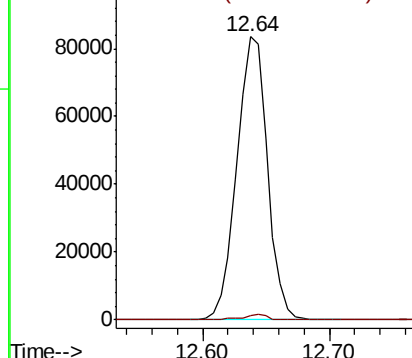
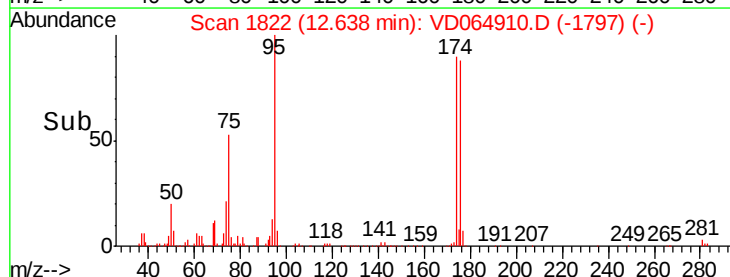
75 100

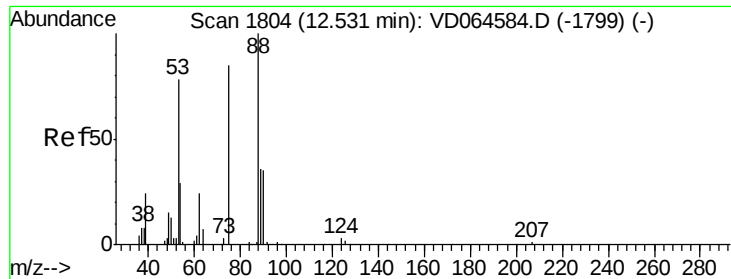
77 1.6 0.0 0.0#



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: 126.732 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064910.D

Acq: 21 Jan 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

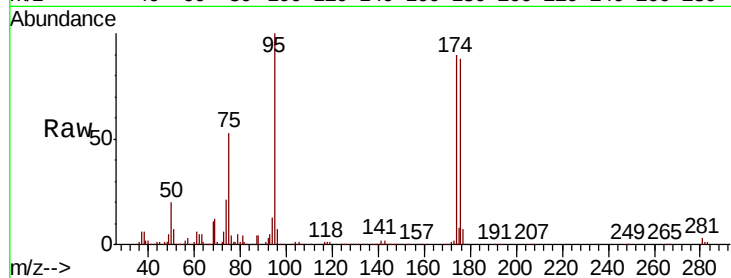
Tot Ion: 75 Resp: 139274

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 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

