

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064762.D
 Acq On : 04 Jan 2020 05:55
 Operator : VA/SY
 Sample : K6484-44
 Misc : 5.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:53:24 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

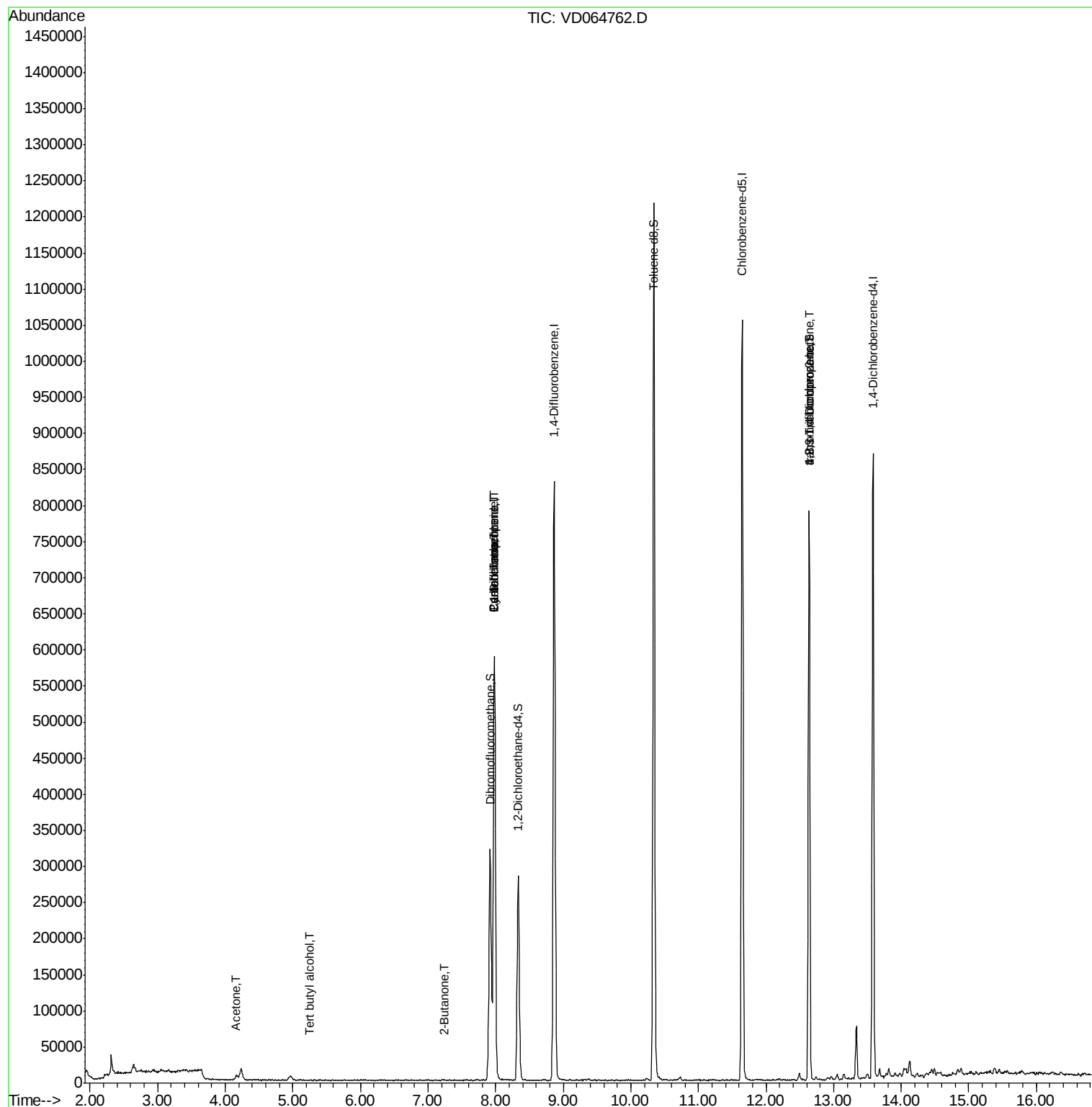
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	465864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	708381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234067	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	224536	54.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.32%	
35) Dibromofluoromethane	7.92	113	221400	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
50) Toluene-d8	10.34	98	824612	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.64	95	230484	43.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.58%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	320	1.359	ug/l #	85
16) Acetone	4.16	43	5313	9.596	ug/l	95
20) Methylene Chloride	4.96	84	4720	Below Cal	#	89
25) 2-Butanone	7.24	43	1510	1.337	ug/l #	49
31) Cyclohexane	7.98	56	9544	1.246	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	32713	4.798	ug/l #	52
38) Carbon Tetrachloride	7.98	117	43232	5.947	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	124459	67.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	124459	140.830	ug/l #	10

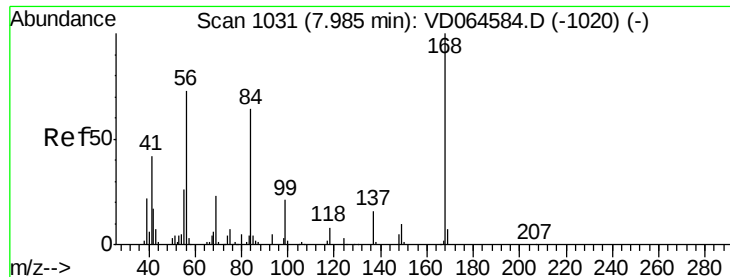
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

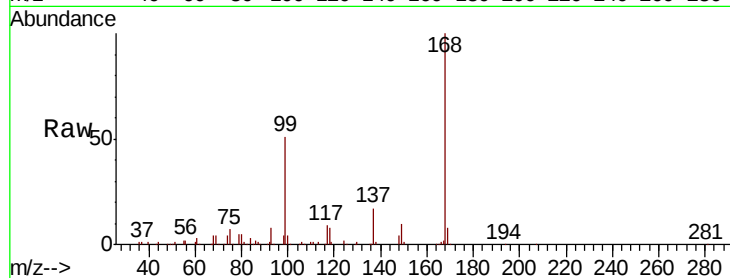
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 465864

Ion Ratio Lower Upper

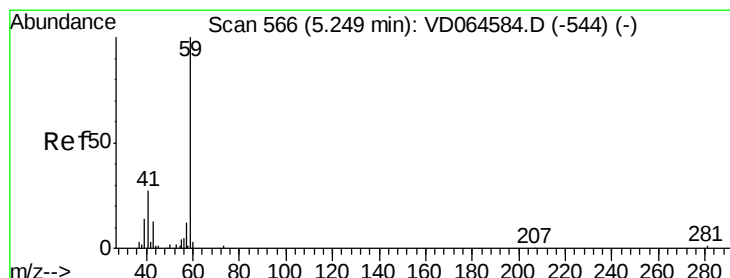
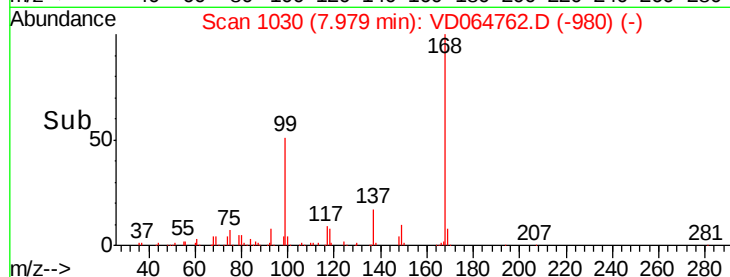
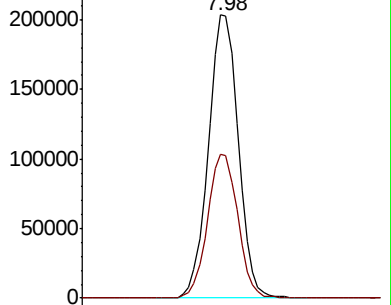
168 100

99 50.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.359 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064762.D

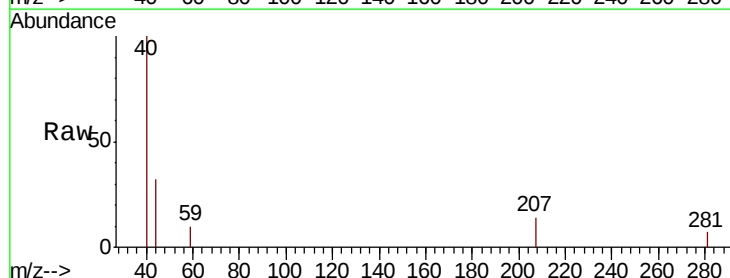
Acq: 04 Jan 2020 05:55

Tgt Ion: 59 Resp: 320

Ion Ratio Lower Upper

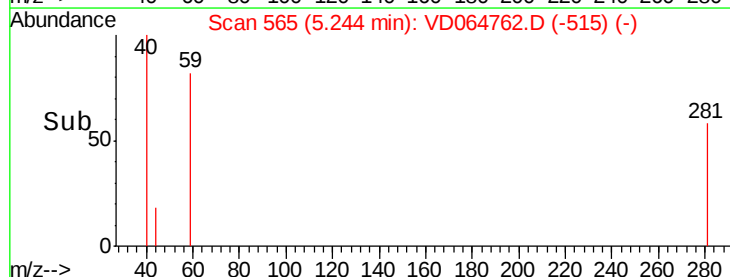
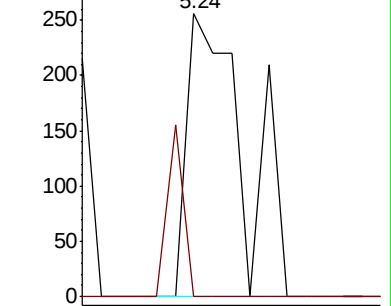
59 100

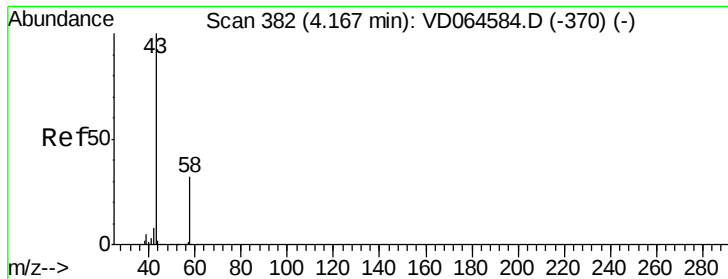
57 17.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 9.596 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

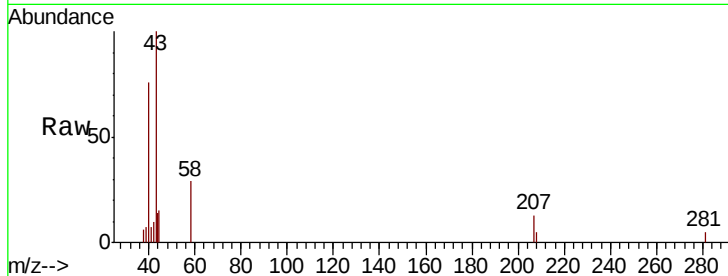
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5313

Ion Ratio Lower Upper

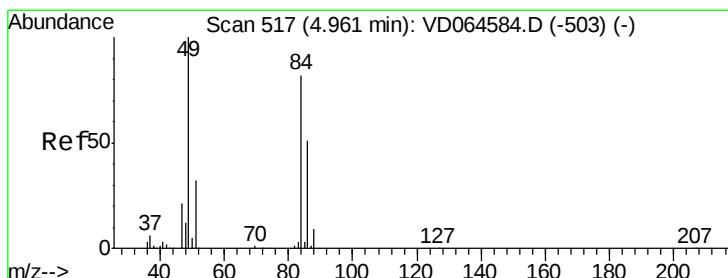
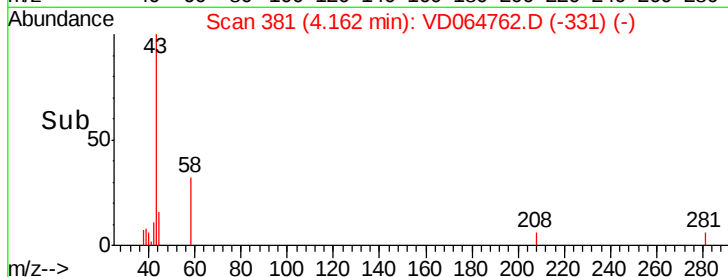
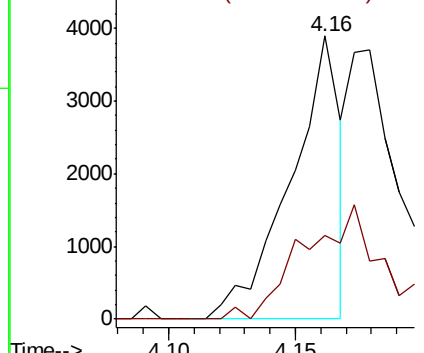
43 100

58 29.4 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: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

Tgt Ion: 84 Resp: 4720

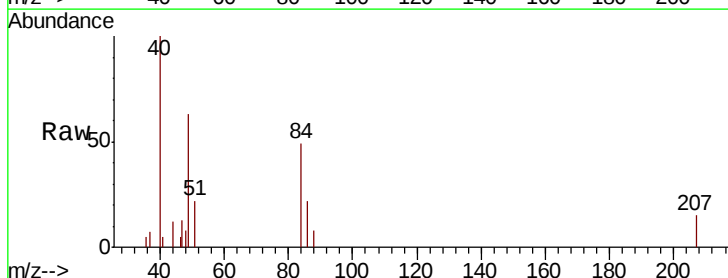
Ion Ratio Lower Upper

84 100

49 127.7 97.2 145.8

51 44.2 31.4 47.0

86 43.8 49.3 73.9#

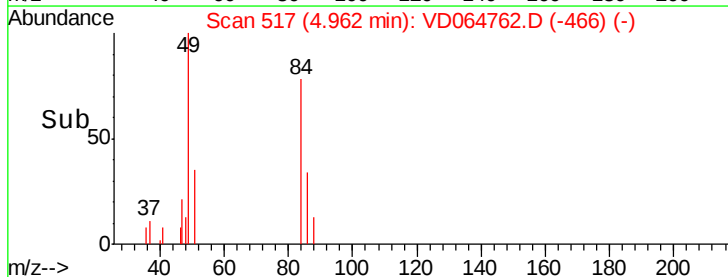
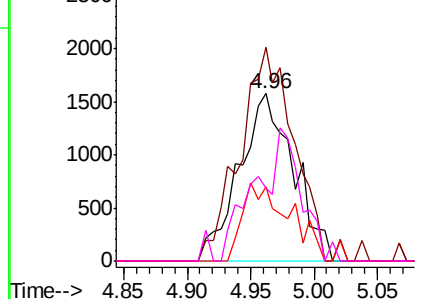


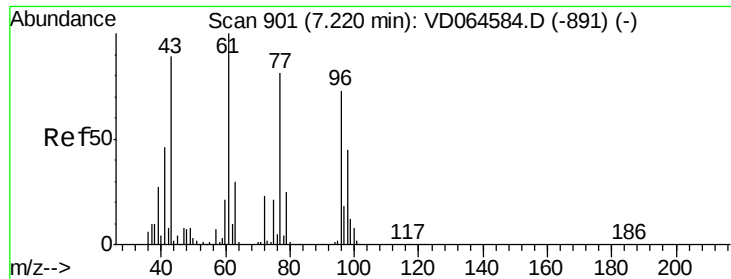
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.337 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.02 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

Instrument :

MSVOA_D

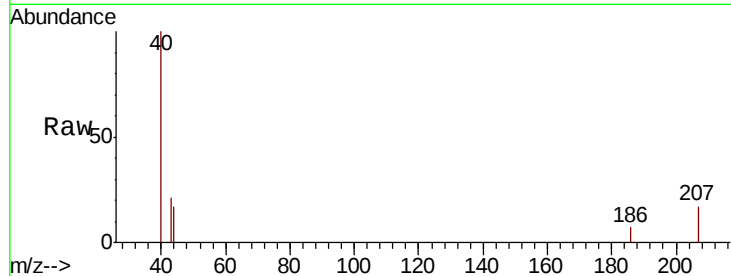
ClientSampleId :

Tot Ion: 43 Resp: 1510

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.24

600

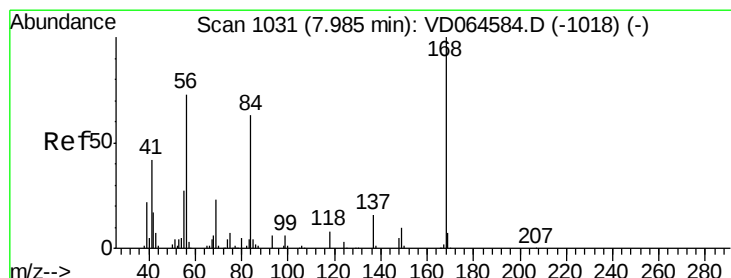
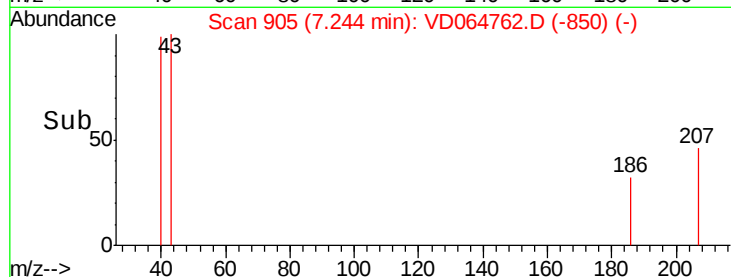
400

200

0

7.15 7.20 7.25 7.30

Time-->



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

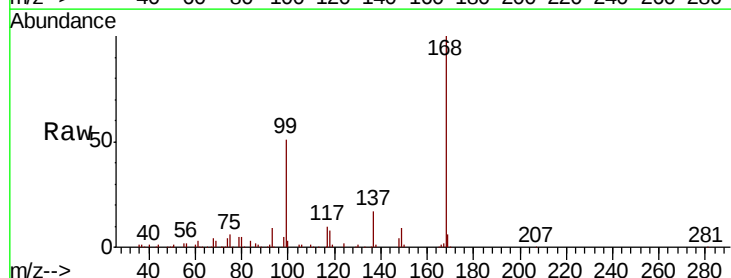
Tgt Ion: 56 Resp: 9544

Ion Ratio Lower Upper

56 100

69 163.0 24.7 37.1#

84 129.5 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

10000

8000

6000

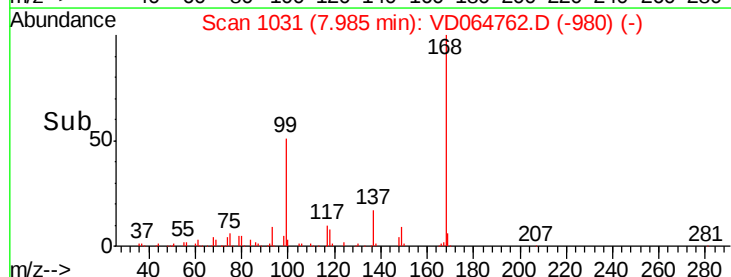
4000

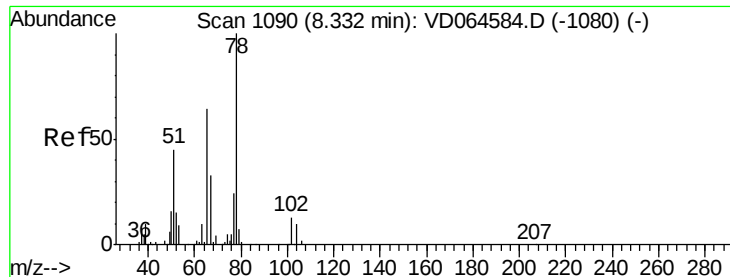
2000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.659 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

Instrument :

MSVOA_D

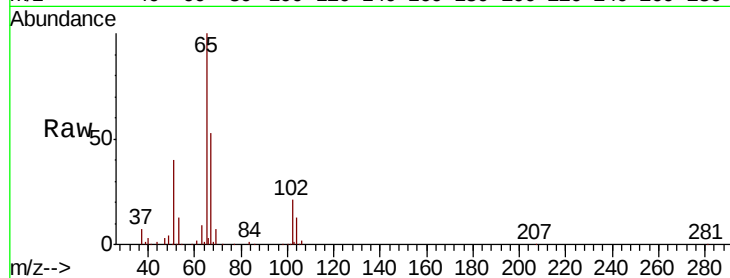
ClientSampled :

Tot Ion: 65 Resp: 224536

Ion Ratio Lower Upper

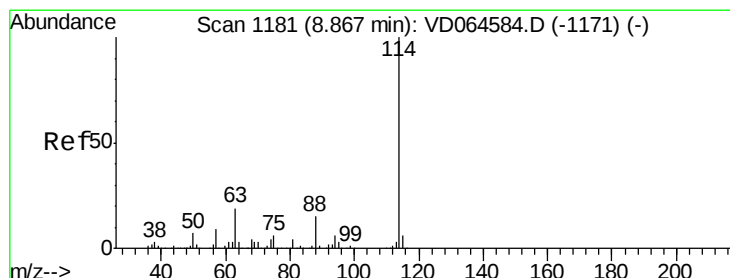
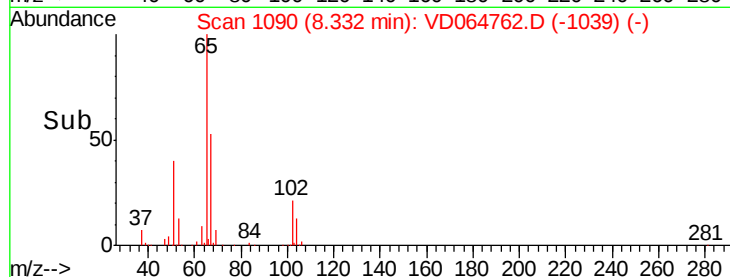
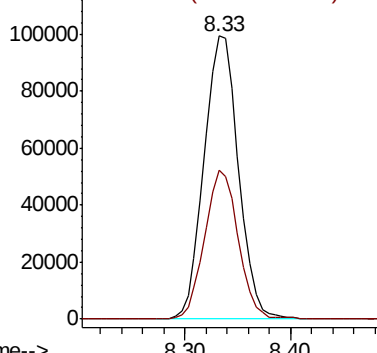
65 100

67 51.2 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: VD064762.D

Acq: 04 Jan 2020 05:55

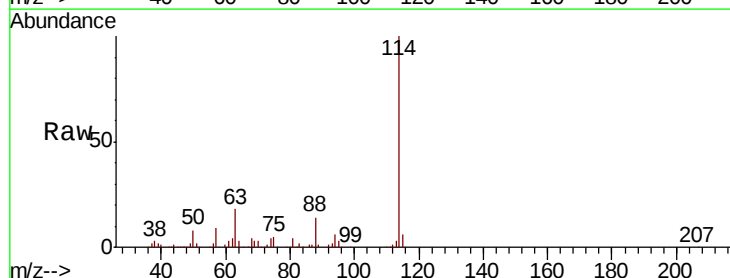
Tgt Ion: 114 Resp: 708381

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.0

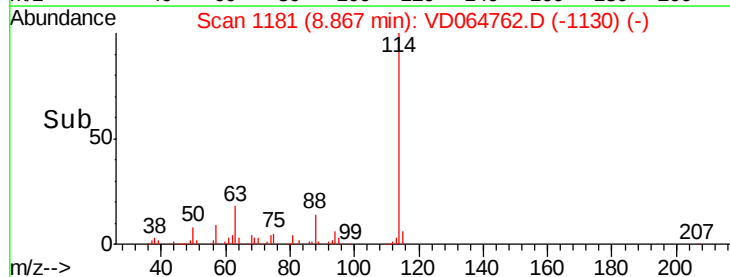
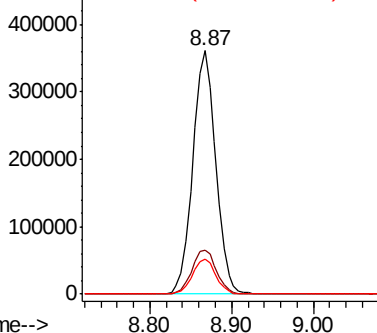
88 14.4 0.0 29.2

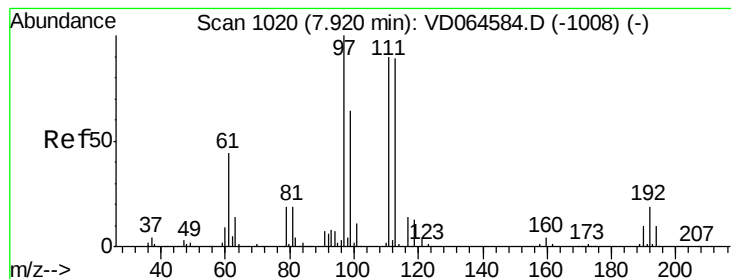


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.943 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

Instrument :

MSVOA_D

ClientSampleId :

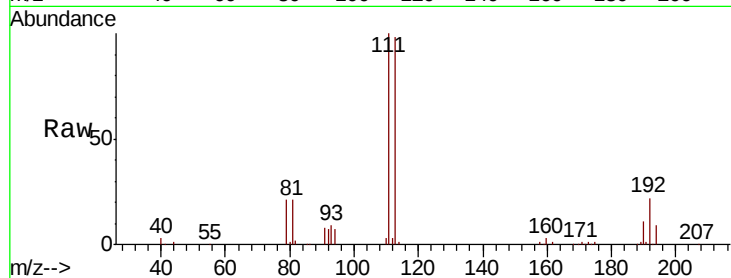
Tot Ion:113 Resp: 221400

Ion Ratio Lower Upper

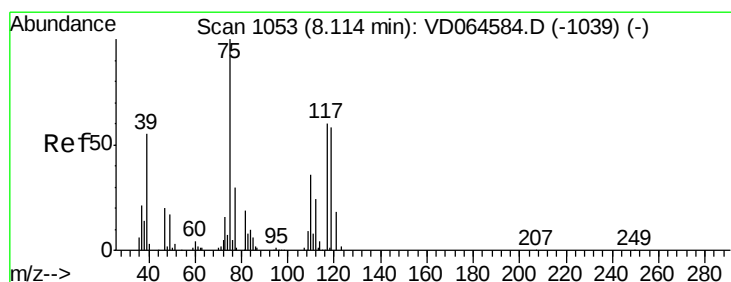
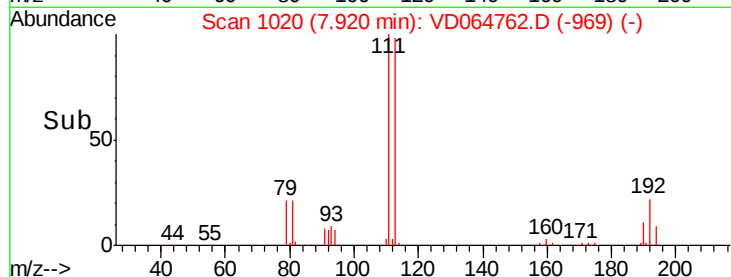
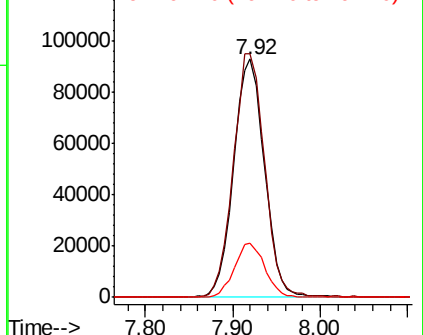
113 100

111 103.5 80.6 121.0

192 22.3 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: 4.798 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

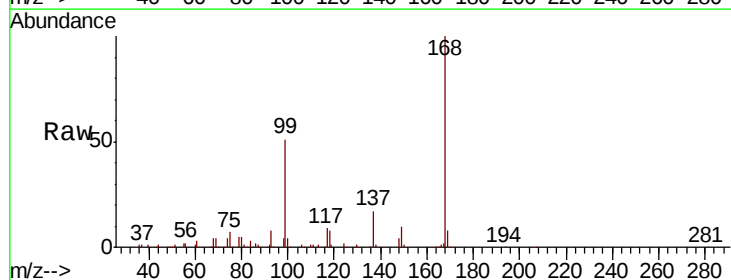
Tgt Ion: 75 Resp: 32713

Ion Ratio Lower Upper

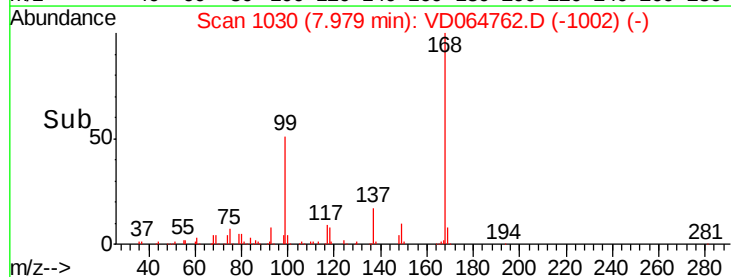
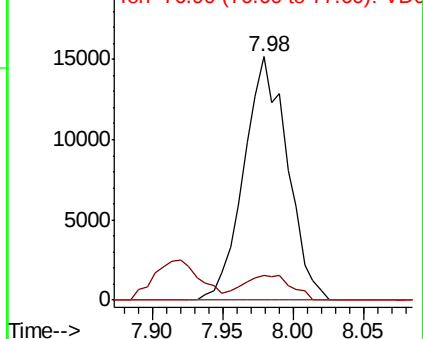
75 100

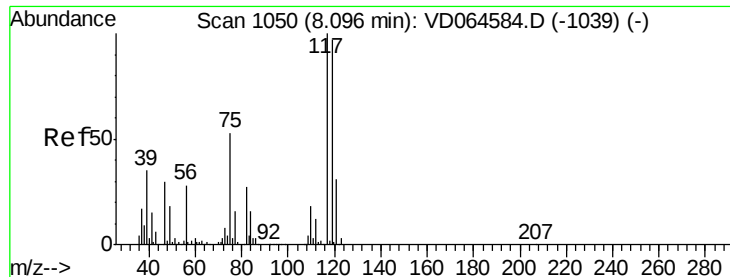
110 11.3 18.1 54.1#

77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

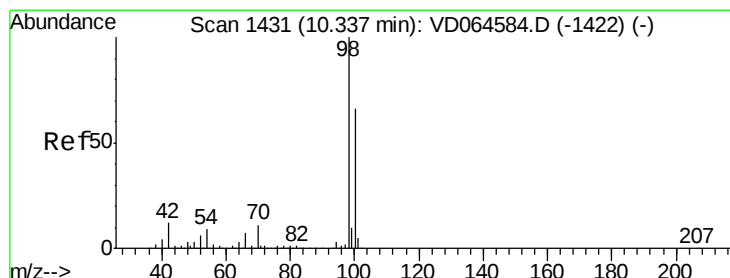
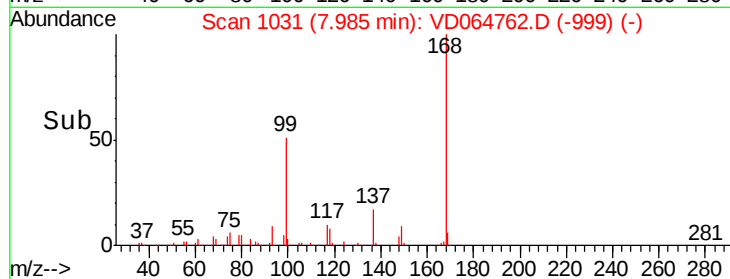
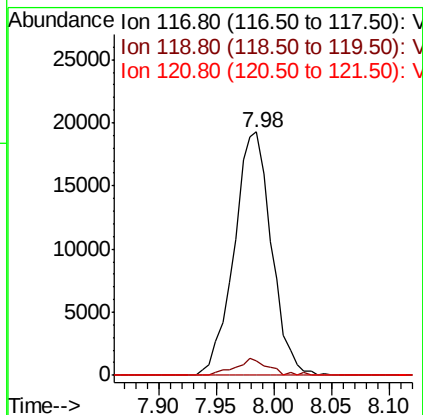
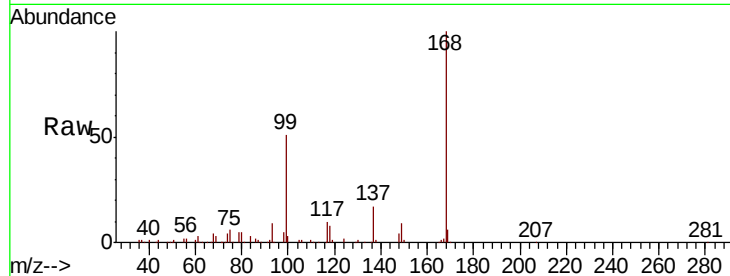




#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064762.D
Acq: 04 Jan 2020 05:55

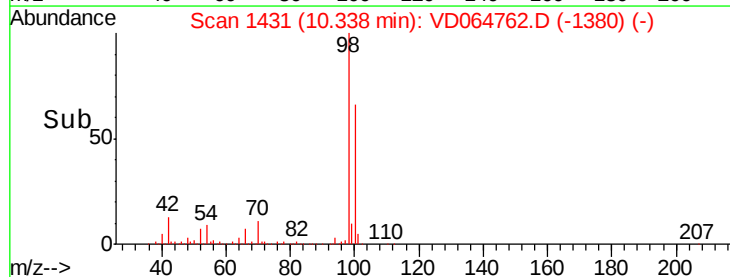
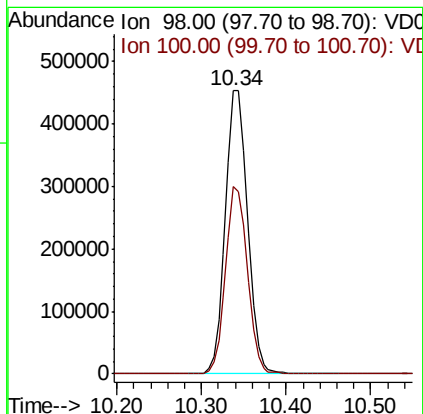
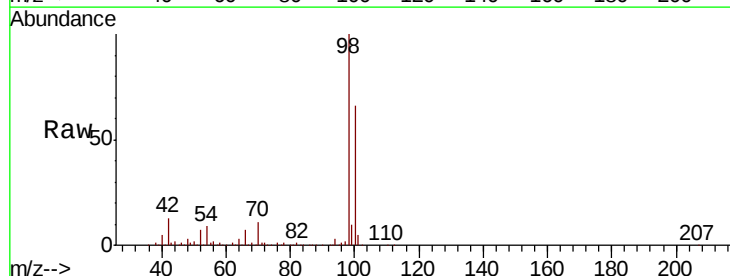
Instrument :
MSVOA_D
ClientSampleId :

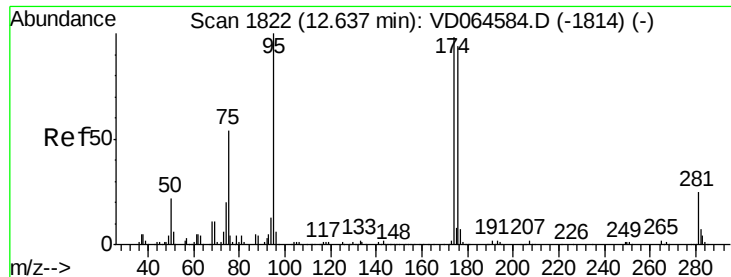
Tot Ion:117 Resp: 43232
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.542 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064762.D
Acq: 04 Jan 2020 05:55

Tgt Ion: 98 Resp: 824612
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

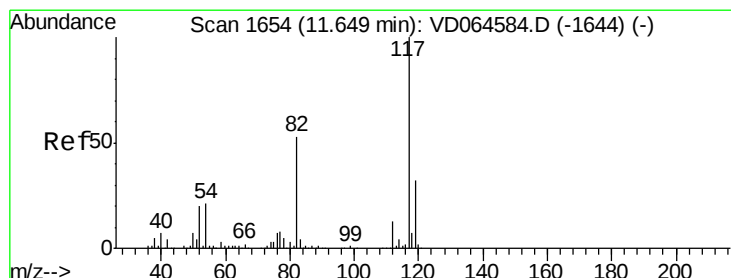
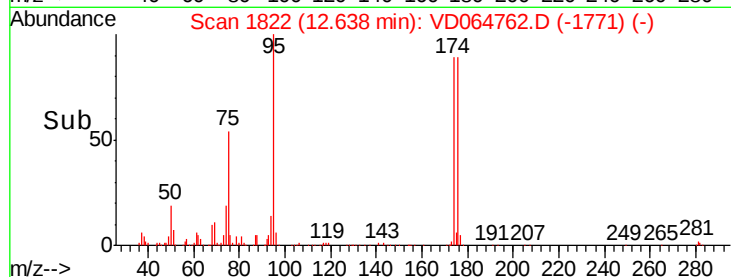
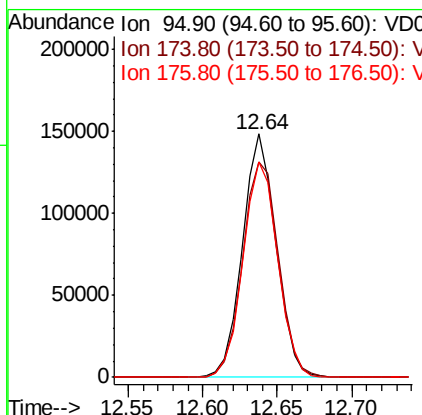
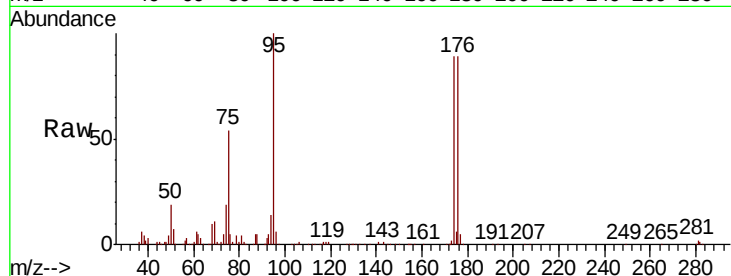




#62
4-Bromofluorobenzene
Concen: 43.791 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064762.D
Acq: 04 Jan 2020 05:55

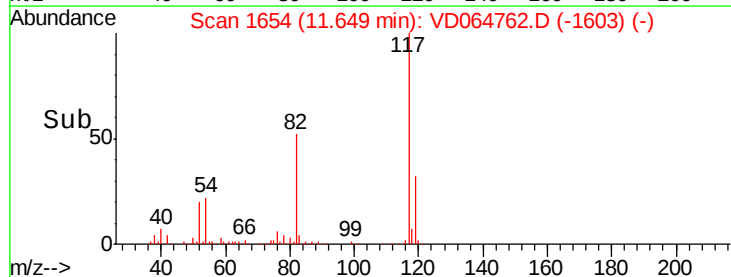
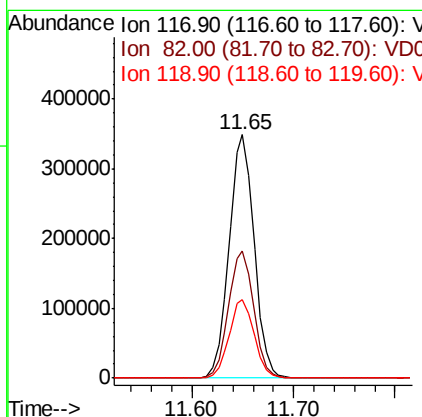
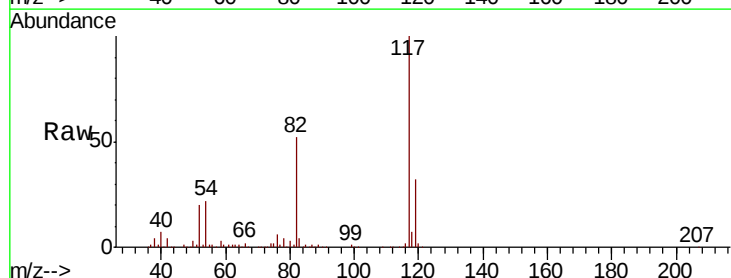
Instrument :
MSVOA_D
ClientSampleId :

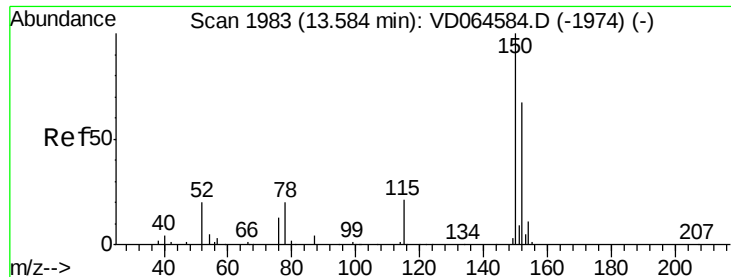
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	193.2
176	91.4	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064762.D
Acq: 04 Jan 2020 05:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	32.3	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: VD064762.D

Acq: 04 Jan 2020 05:55

Instrument :

MSVOA_D

ClientSampleId :

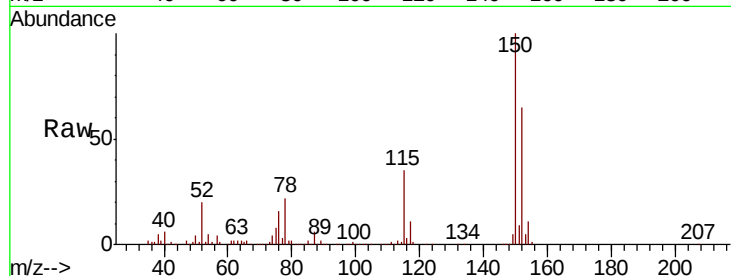
Tot Ion:152 Resp: 234067

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

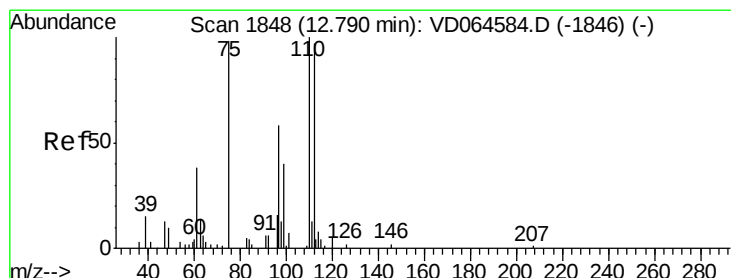
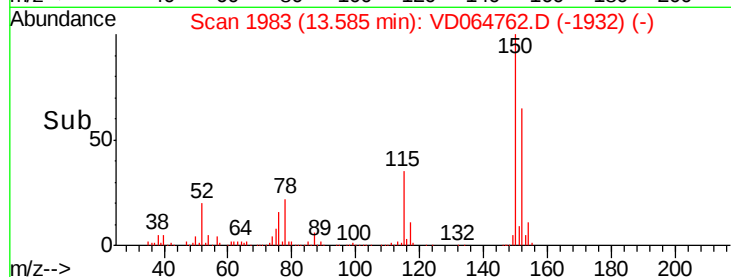
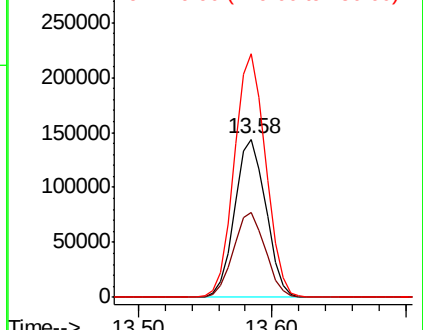
150 154.5 0.0 351.4



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: 67.336 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064762.D

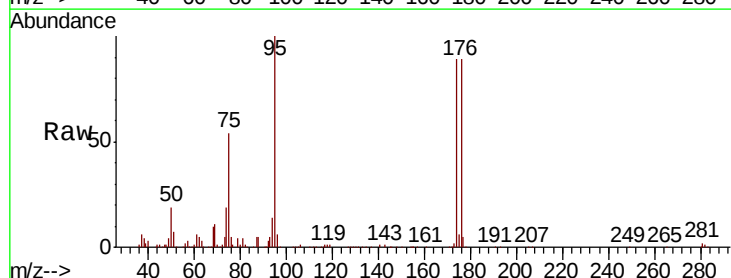
Acq: 04 Jan 2020 05:55

Tgt Ion: 75 Resp: 124459

Ion Ratio Lower Upper

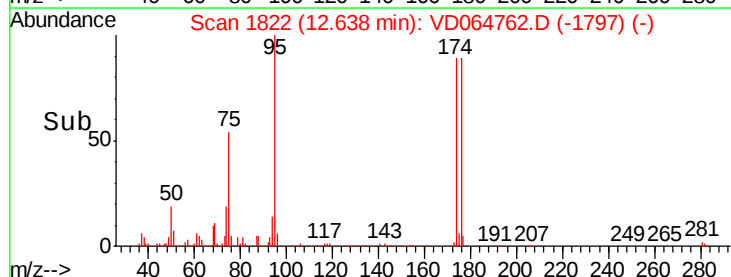
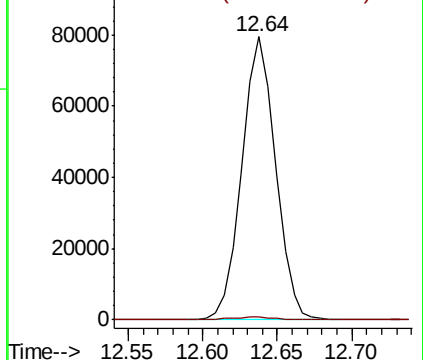
75 100

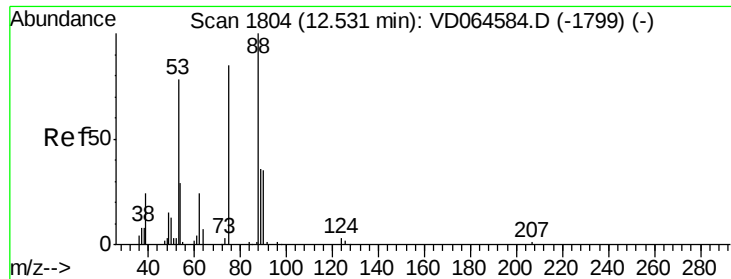
77 1.3 0.0 0.0#



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: 140.830 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

Instrument :

MSVOA_D

ClientSampleId :

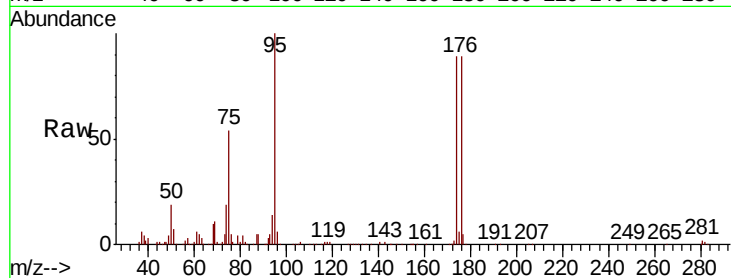
Tot Ion: 75 Resp: 124459

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

