

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064564.D
 Acq On : 23 Dec 2019 13:12
 Operator : VA/SY
 Sample : K6396-02
 Misc : 5.82G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-(5-7)

Quant Time: Dec 24 05:53:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	478285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	575883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195723	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	178454	41.22	ug/l	0.00
Spiked Amount			Recovery	=	82.44%	
35) Dibromofluoromethane	7.92	113	209656	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.34	98	821871	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.64	95	215233	41.72	ug/l	0.00
Spiked Amount			Recovery	=	83.44%	

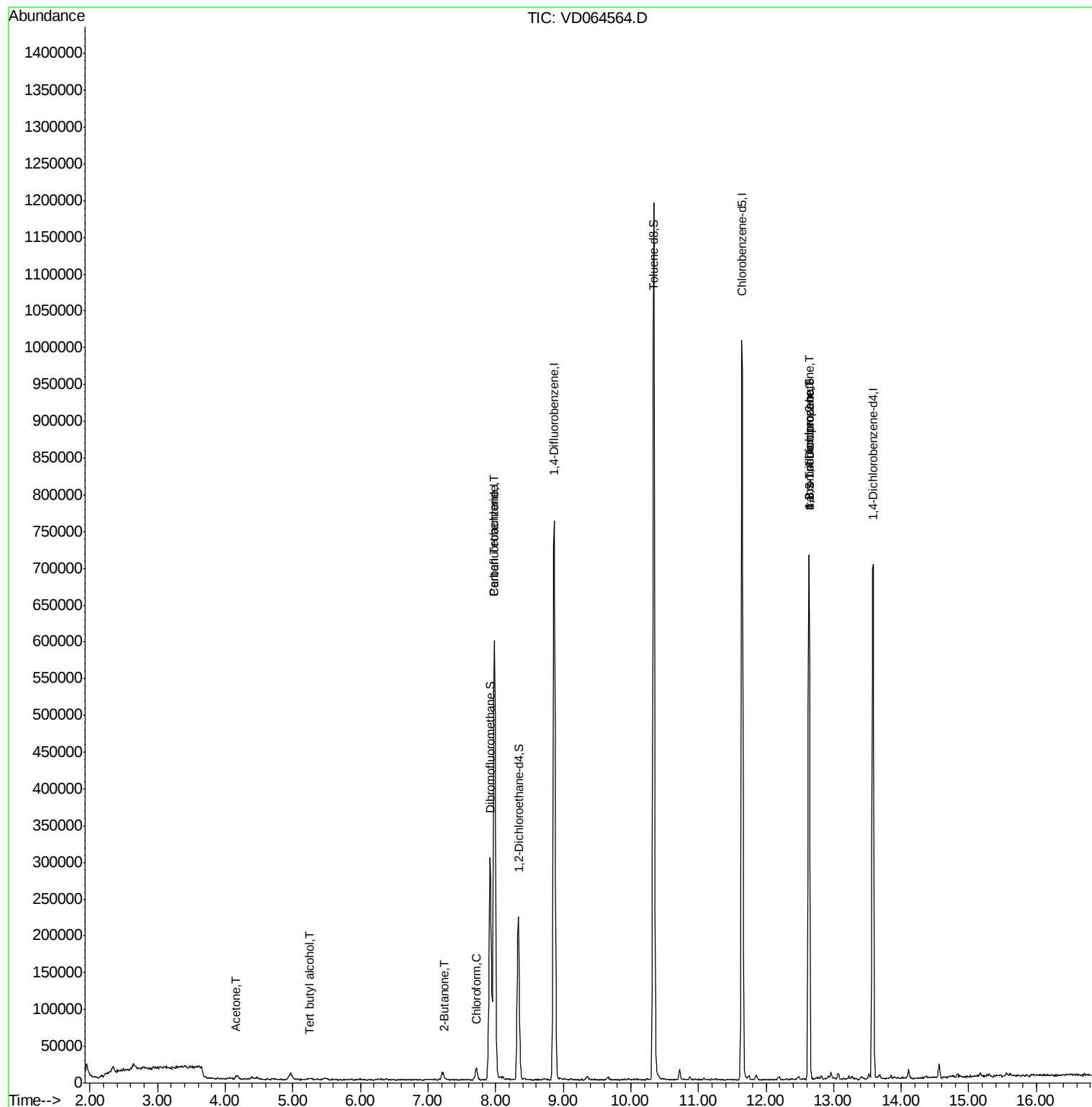
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	2583	9.373	ug/l #	100
16) Acetone	4.16	43	3187	3.643	ug/l #	84
20) Methylene Chloride	4.96	84	6327	Below Cal	#	77
25) 2-Butanone	7.24	43	2007	1.622	ug/l	95
30) Chloroform	7.72	83	14551	1.759	ug/l	98
31) Cyclohexane	7.98	56	11507	Below Cal	#	32
38) Carbon Tetrachloride	7.98	117	42245	6.256	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	111501	69.274	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	111501	151.054	ug/l #	9

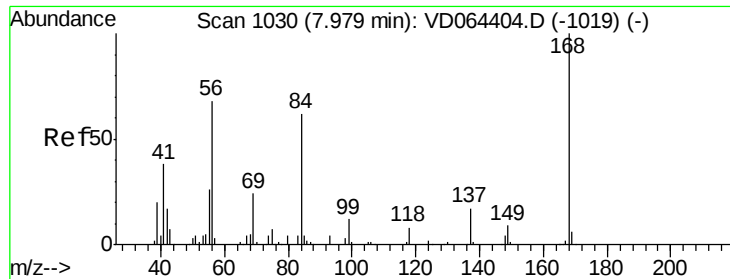
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064564.D

Acq: 23 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

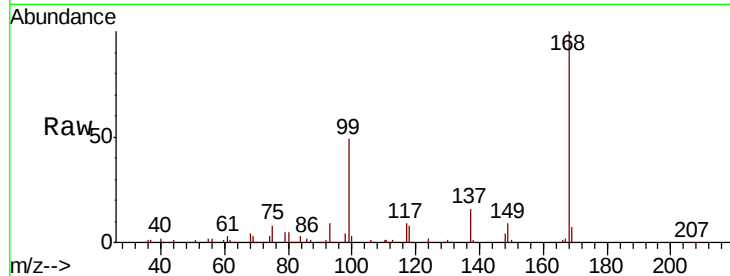
SB-1-(5-7)

Tot Ion:168 Resp: 478285

Ion Ratio Lower Upper

168 100

99 49.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

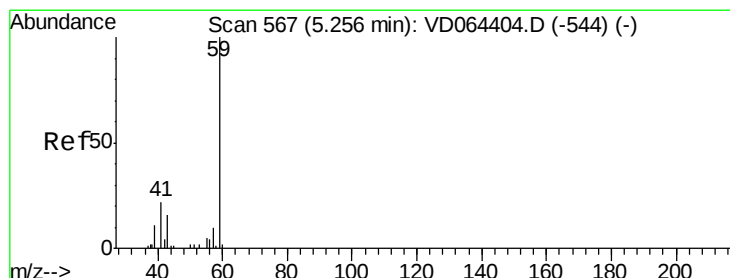
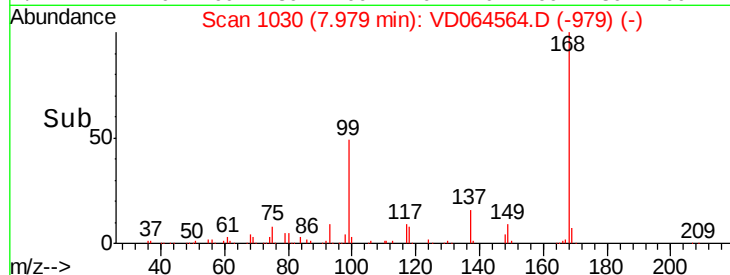
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.373 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD064564.D

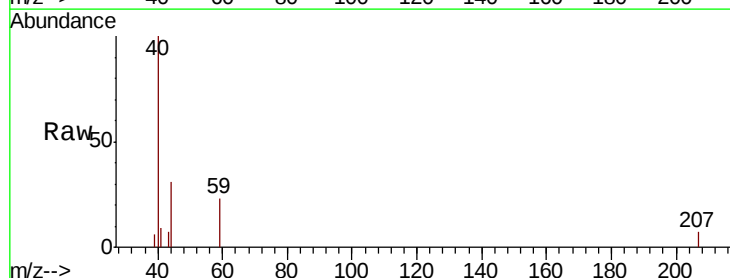
Acq: 23 Dec 2019 13:12

Tgt Ion: 59 Resp: 2583

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

800

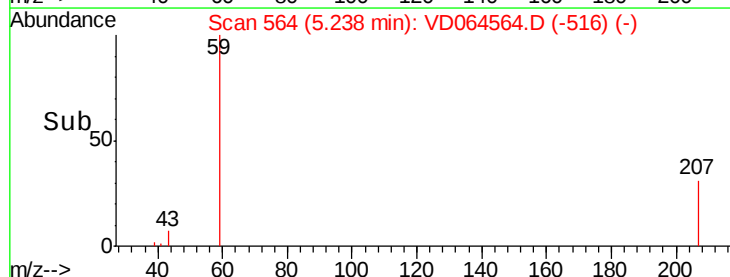
600

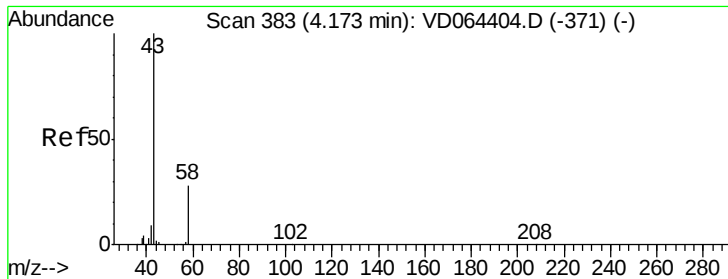
400

200

0

Time-->





#16

Acetone

Concen: 3.643 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD064564.D

Acq: 23 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

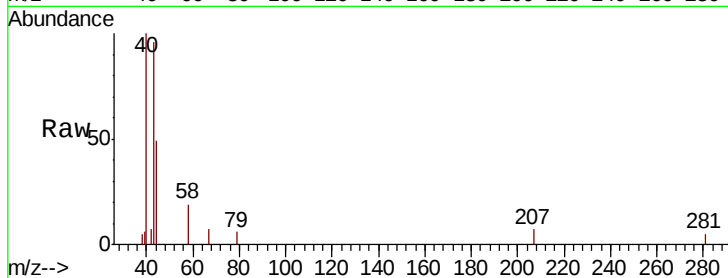
SB-1-(5-7)

Tot Ion: 43 Resp: 3187

Ion Ratio Lower Upper

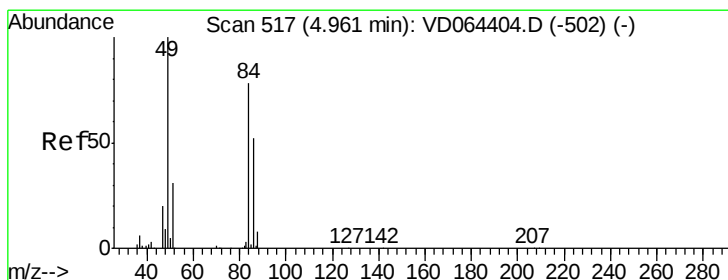
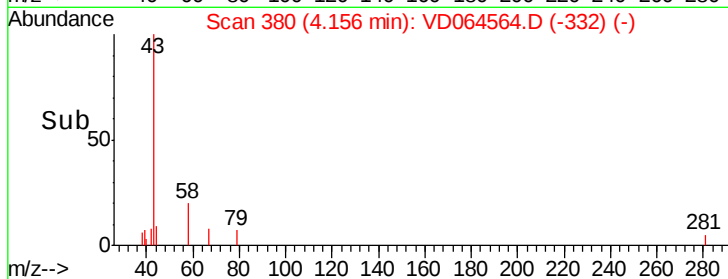
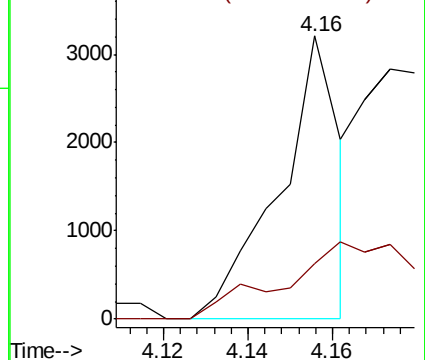
43 100

58 19.7 22.6 33.8#



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: VD064564.D

Acq: 23 Dec 2019 13:12

Tgt Ion: 84 Resp: 6327

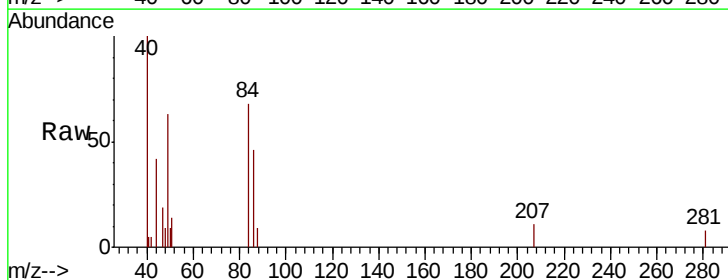
Ion Ratio Lower Upper

84 100

49 91.8 102.6 153.8#

51 20.9 32.0 48.0#

86 67.3 53.4 80.0

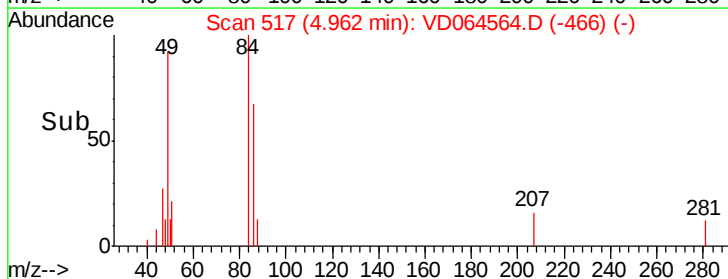
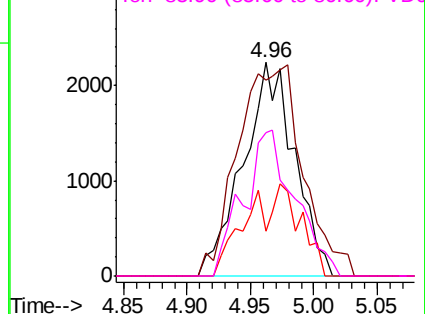


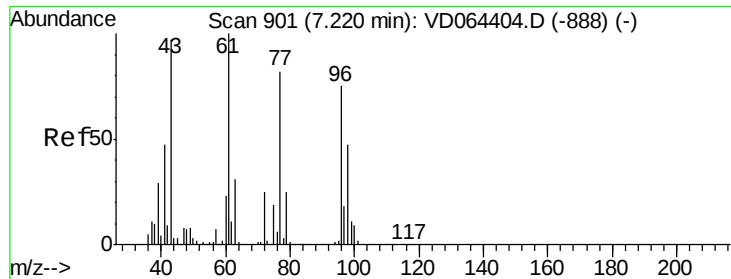
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.622 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.02 min

Lab File: VD064564.D

Acq: 23 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

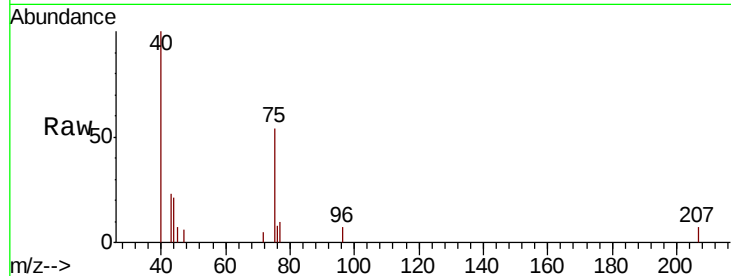
SB-1-(5-7)

Tot Ion: 43 Resp: 2007

Ion Ratio Lower Upper

43 100

72 23.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

800

600

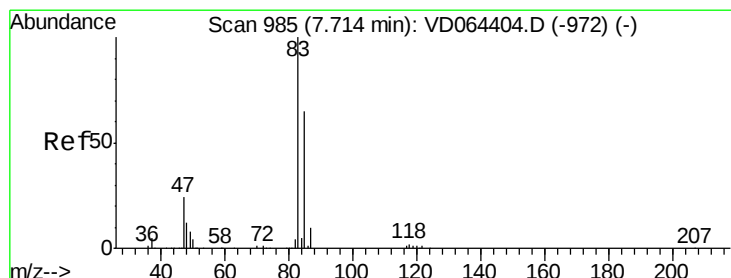
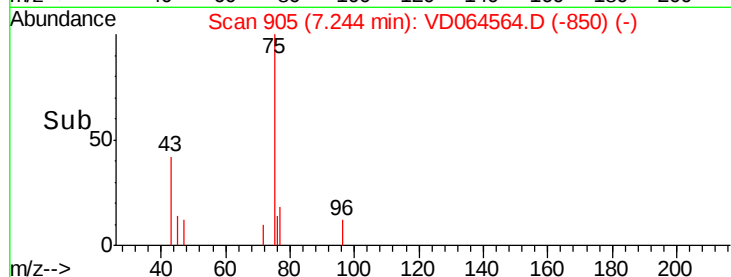
400

200

0

7.15 7.20 7.25 7.30

Time-->



#30

Chloroform

Concen: 1.759 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064564.D

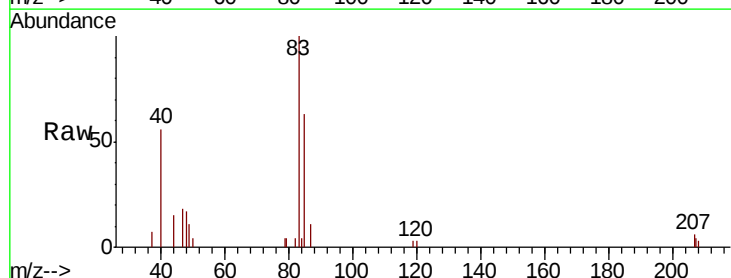
Acq: 23 Dec 2019 13:12

Tgt Ion: 83 Resp: 14551

Ion Ratio Lower Upper

83 100

85 63.0 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

6000

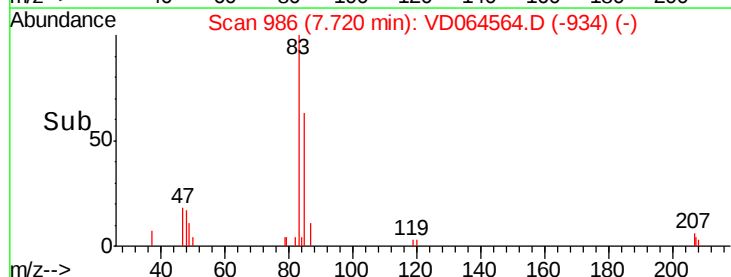
4000

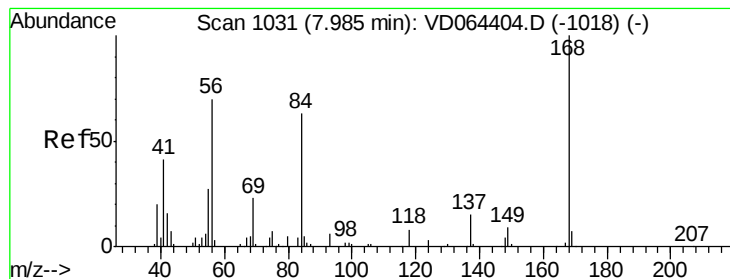
2000

0

7.65 7.70 7.75 7.80

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064564.D

Acq: 23 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

SB-1-(5-7)

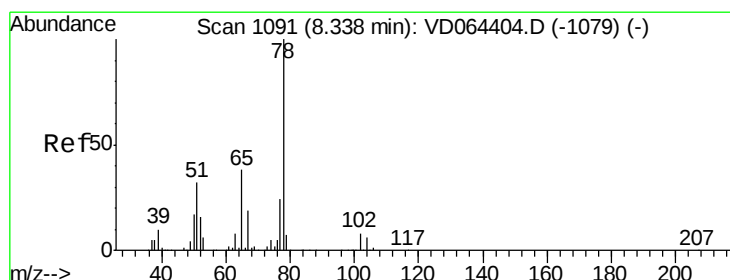
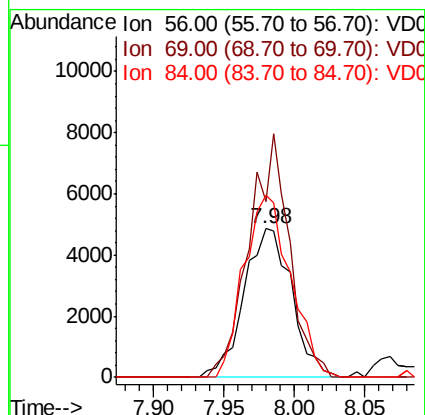
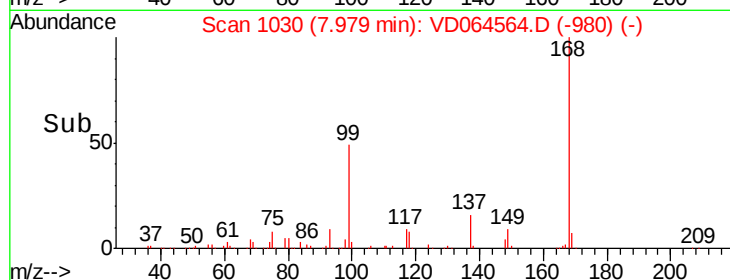
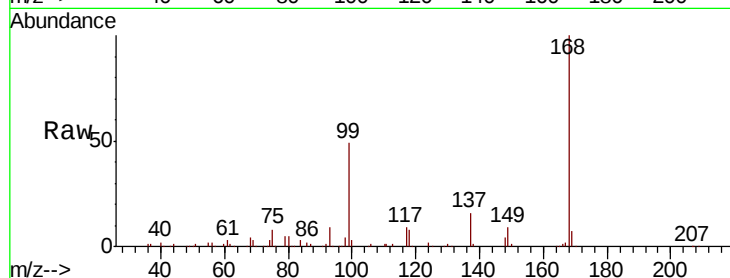
Tot Ion: 56 Resp: 11507

Ion Ratio Lower Upper

56 100

69 118.5 26.2 39.4#

84 122.4 70.3 105.5#



#33

1,2-Dichloroethane-d4

Concen: 41.221 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064564.D

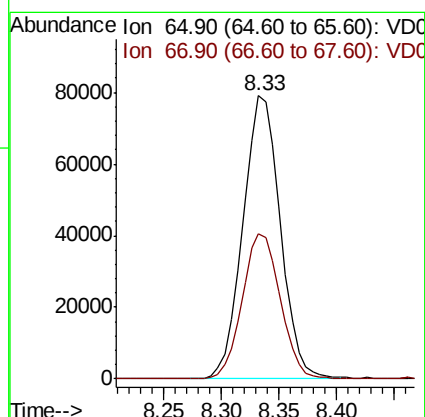
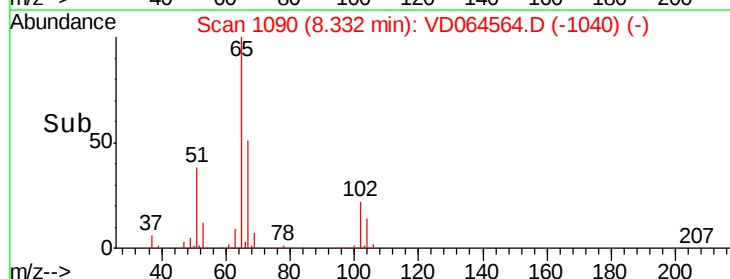
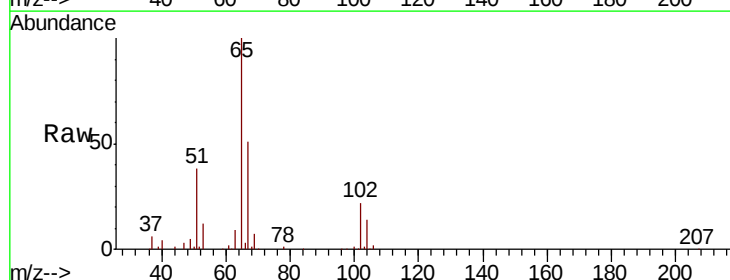
Acq: 23 Dec 2019 13:12

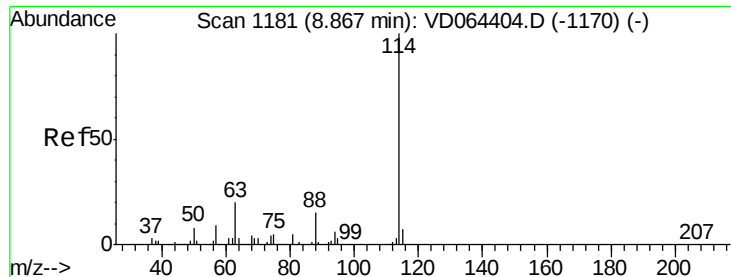
Tgt Ion: 65 Resp: 178454

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0

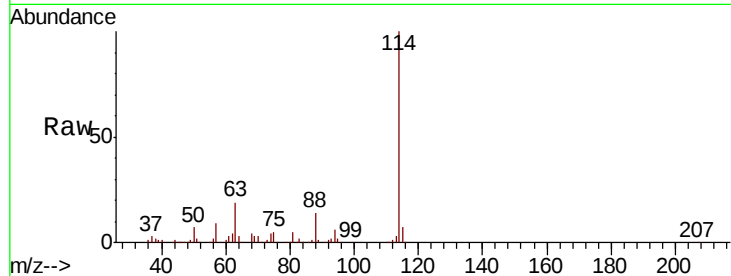




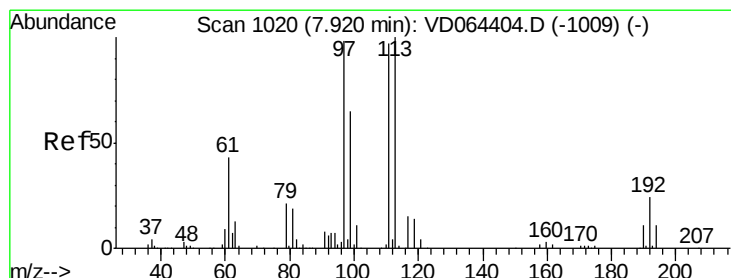
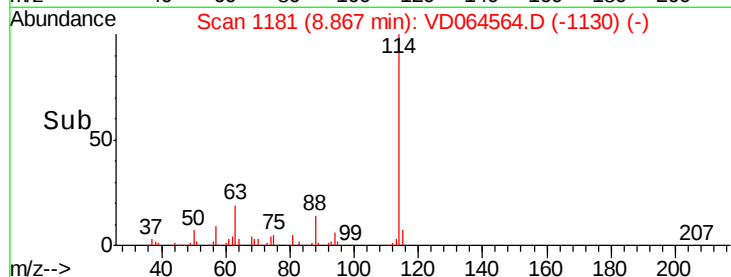
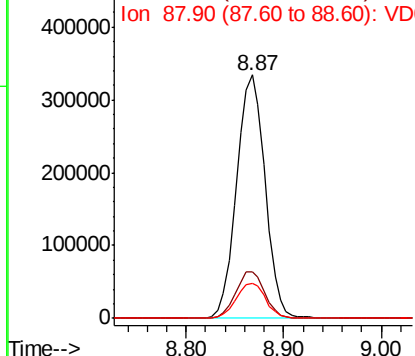
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064564.D
 Acq: 23 Dec 2019 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-(5-7)

Tot Ion:114 Resp: 676413
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 14.4 0.0 29.2

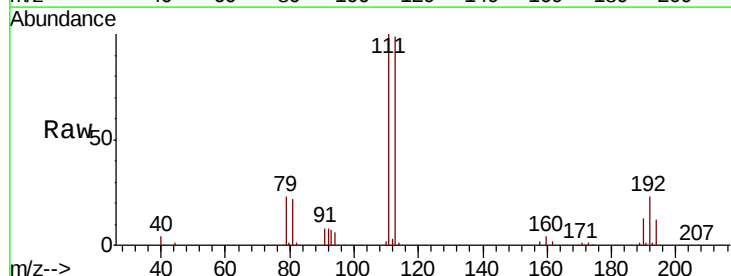


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

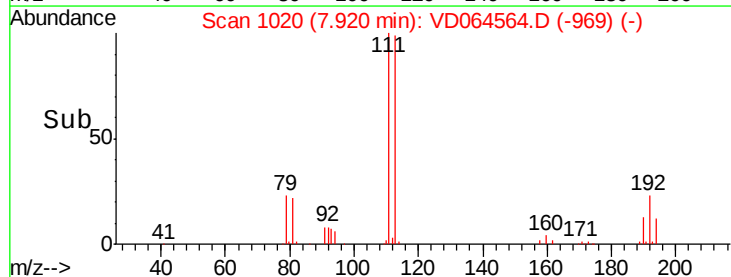
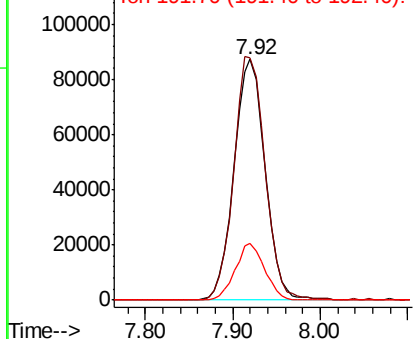


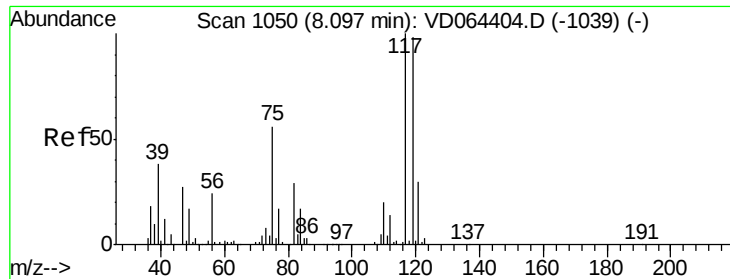
#35
 Dibromofluoromethane
 Concen: 49.195 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064564.D
 Acq: 23 Dec 2019 13:12

Tgt Ion:113 Resp: 209656
 Ion Ratio Lower Upper
 113 100
 111 101.8 79.4 119.2
 192 22.0 18.6 28.0



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

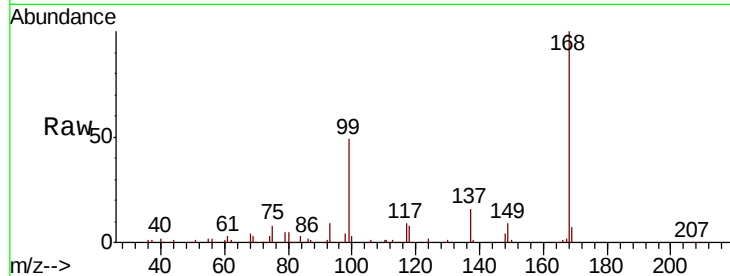




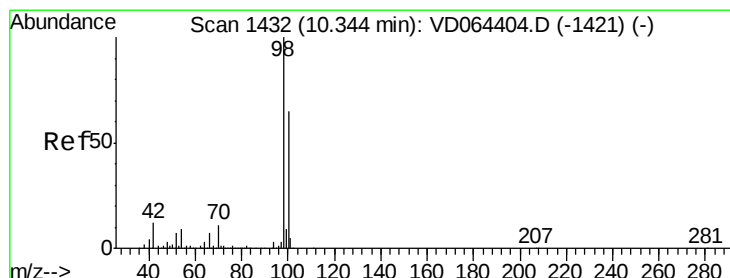
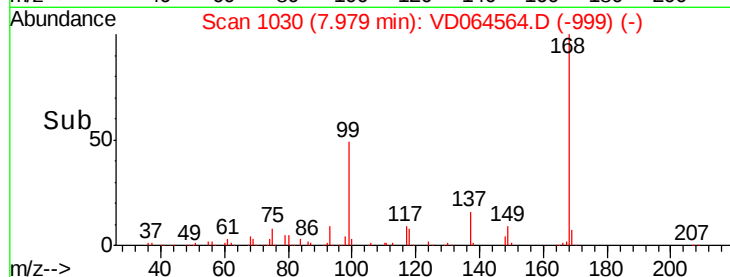
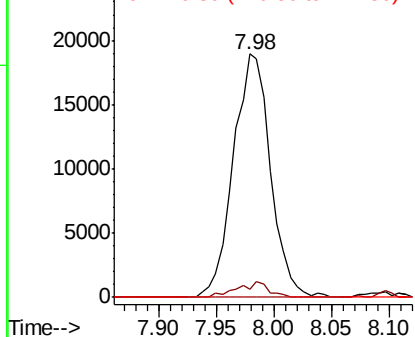
#38
Carbon Tetrachloride
Concen: 6.256 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064564.D
Acq: 23 Dec 2019 13:12

Instrument :
MSVOA_D
ClientSampleId :
SB-1-(5-7)

Tot Ion:117 Resp: 42245
Ion Ratio Lower Upper
117 100
119 3.2 78.8 118.2#
121 0.0 24.2 36.2#

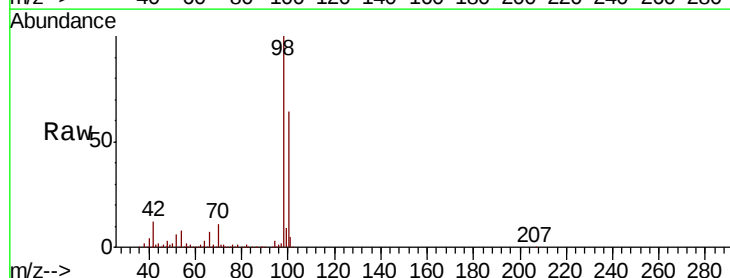


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

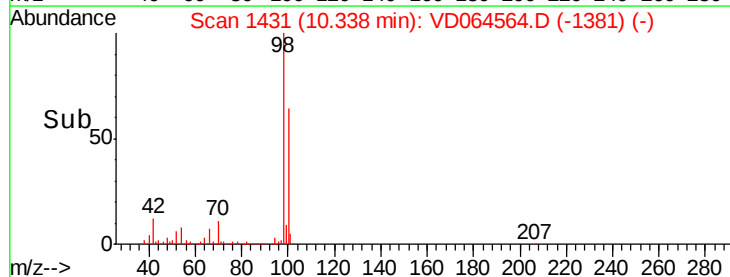
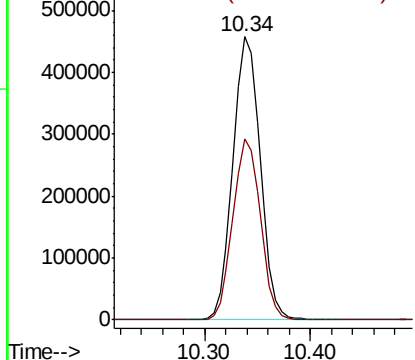


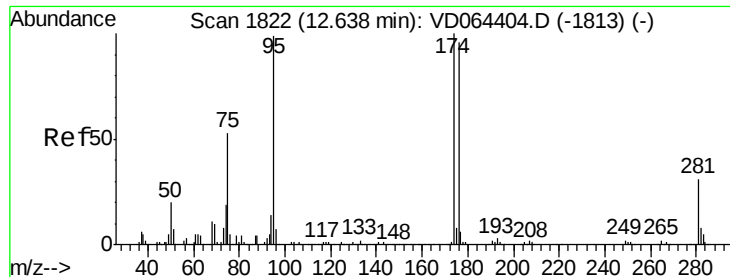
#50
Toluene-d8
Concen: 51.196 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064564.D
Acq: 23 Dec 2019 13:12

Tgt Ion: 98 Resp: 821871
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0



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

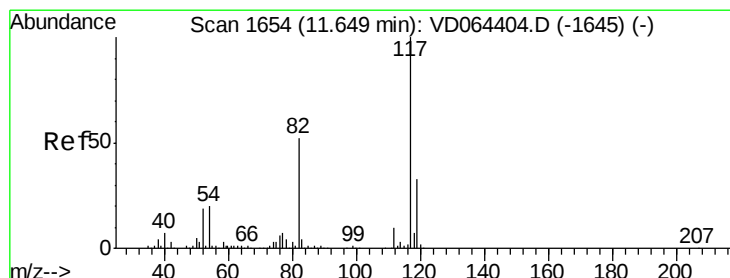
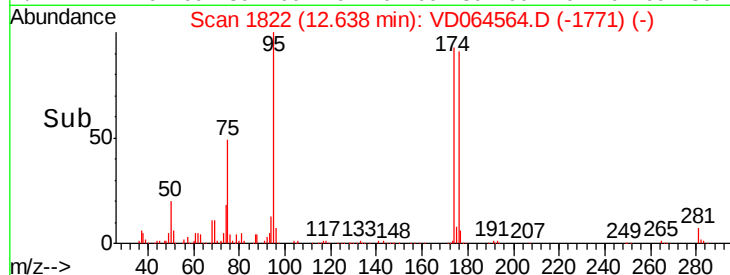
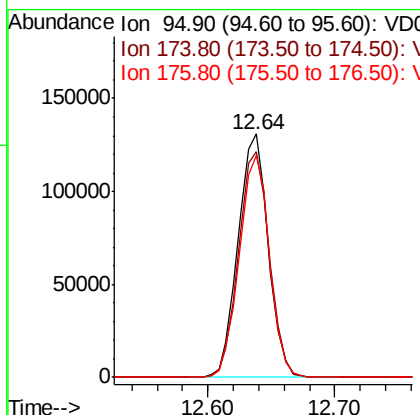
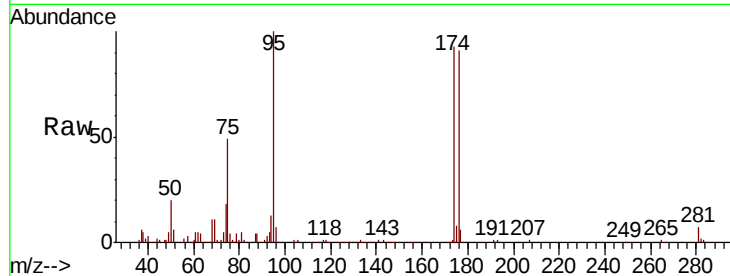




#62
4-Bromofluorobenzene
Concen: 41.719 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064564.D
Acq: 23 Dec 2019 13:12

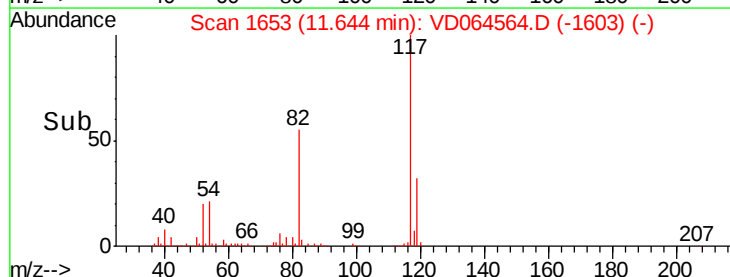
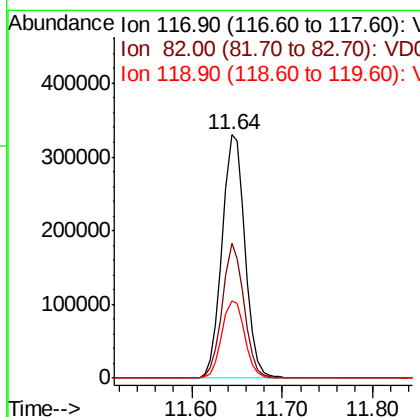
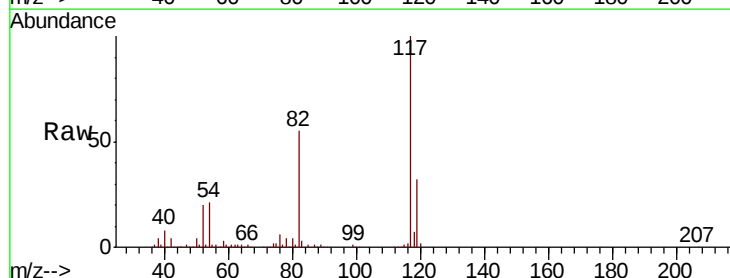
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(5-7)

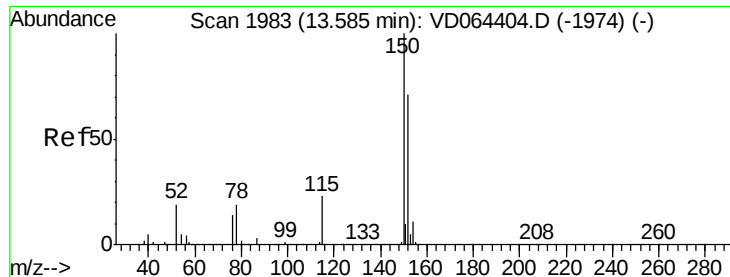
Tot Ion: 95 Resp: 215233
Ion Ratio Lower Upper
95 100
174 94.4 0.0 197.2
176 91.4 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064564.D
Acq: 23 Dec 2019 13:12

Tgt Ion: 117 Resp: 575883
Ion Ratio Lower Upper
117 100
82 55.2 41.4 62.2
119 31.9 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064564.D

Acq: 23 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

SB-1-(5-7)

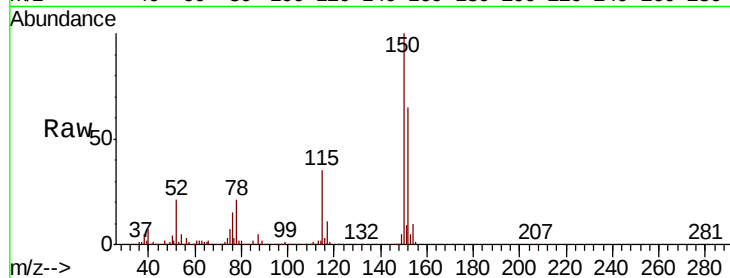
Tot Ion:152 Resp: 195723

Ion Ratio Lower Upper

152 100

115 55.3 26.7 80.1

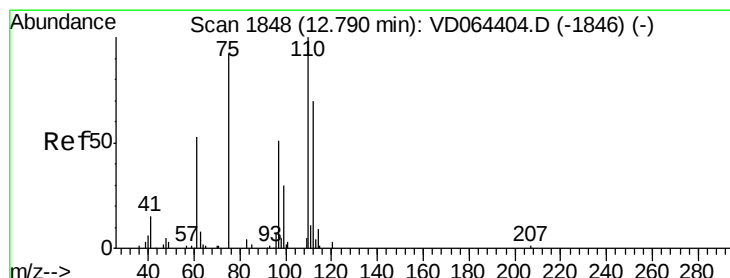
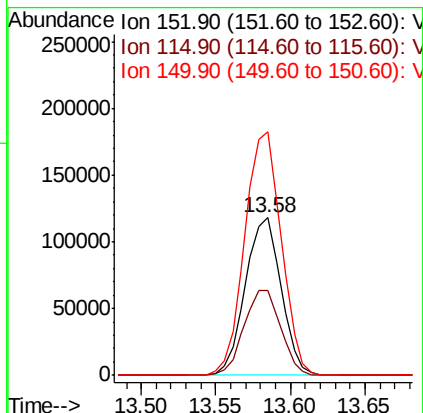
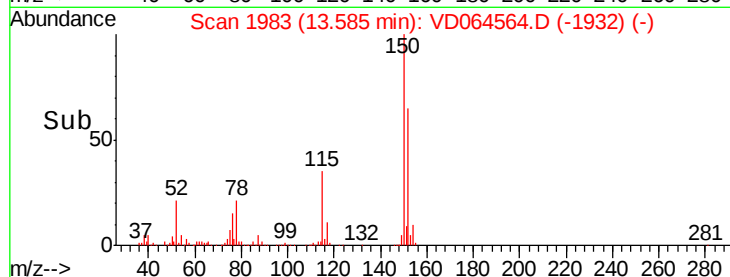
150 157.8 0.0 347.2



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: 69.274 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064564.D

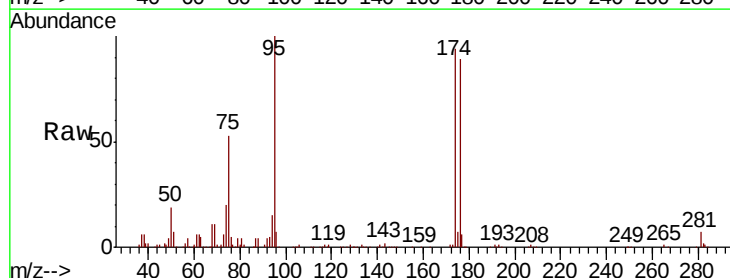
Acq: 23 Dec 2019 13:12

Tgt Ion: 75 Resp: 111501

Ion Ratio Lower Upper

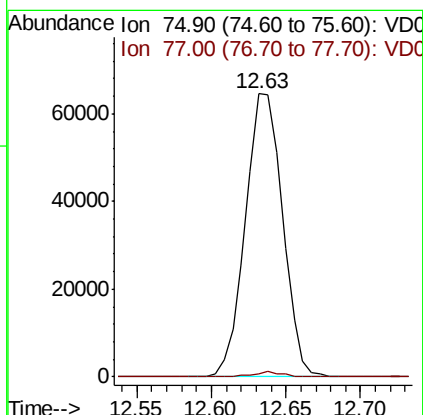
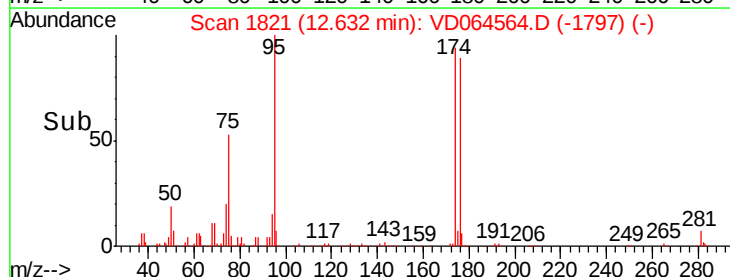
75 100

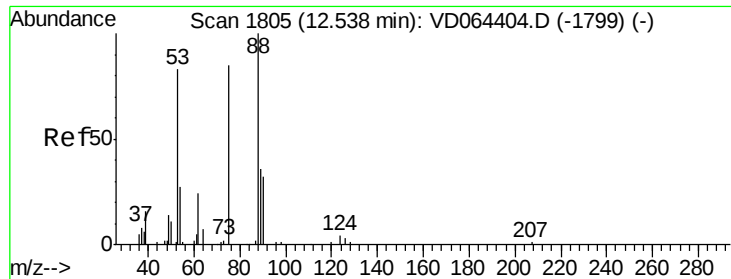
77 1.3 0.0 0.0#



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: 151.054 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.09 min

Lab File: VD064564.D

Acq: 23 Dec 2019 13:12

Instrument :

MSVOA_D

ClientSampleId :

SB-1-(5-7)

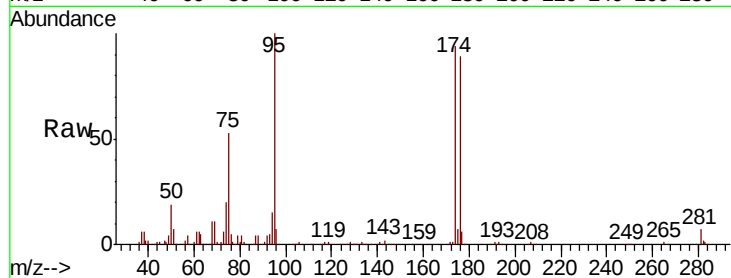
Tot Ion: 75 Resp: 111501

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#



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

