

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064814.D
 Acq On : 09 Jan 2020 13:54
 Operator : VA/SY
 Sample : L1060-13
 Misc : 5.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 15:42:24 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	485788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	781086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	669895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	240433	56.13	ug/l	0.00
Spiked Amount			Recovery	=	112.26%	
35) Dibromofluoromethane	7.92	113	238807	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.34	98	925662	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.64	95	253640	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	

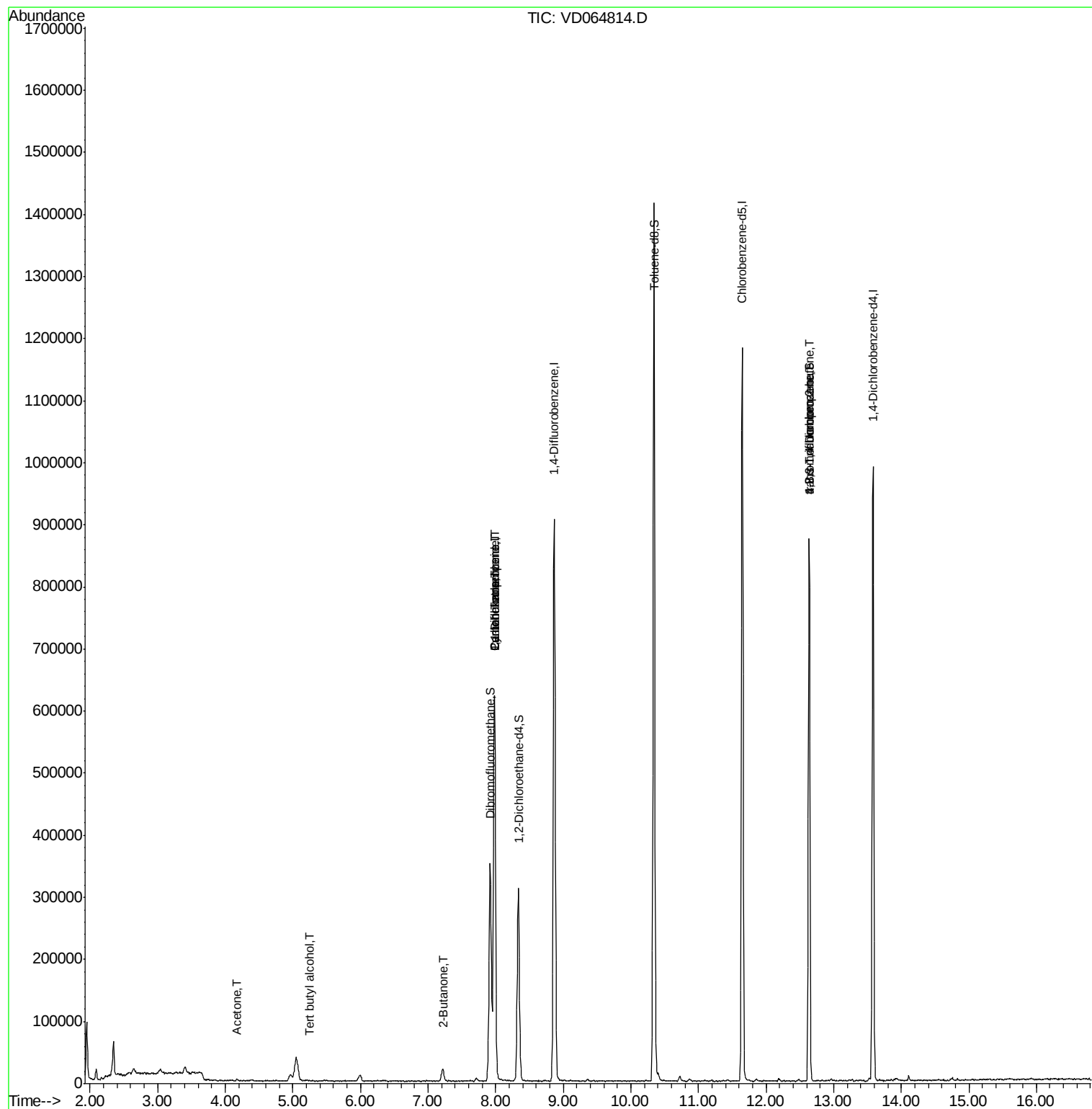
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	556	2.265	ug/l #	70
16) Acetone	4.17	43	3028	7.144	ug/l #	79
20) Methylene Chloride	4.97	84	8500	Below Cal		92
25) 2-Butanone	7.23	43	1648	1.400	ug/l #	81
31) Cyclohexane	7.98	56	10868	1.361	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	35845	4.768	ug/l #	50
38) Carbon Tetrachloride	7.98	117	46925	5.854	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	137324	65.390	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	137324	136.760	ug/l #	10

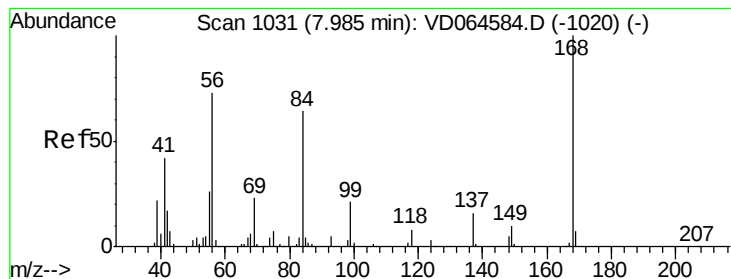
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064814.D

Acq: 09 Jan 2020 13:54

Instrument :

MSVOA_D

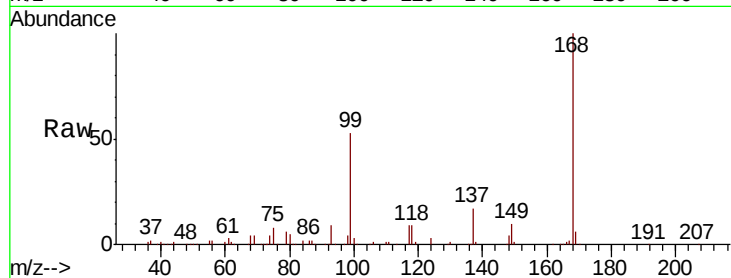
ClientSampleId :

Tot Ion:168 Resp: 485788

Ion Ratio Lower Upper

168 100

99 53.2 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

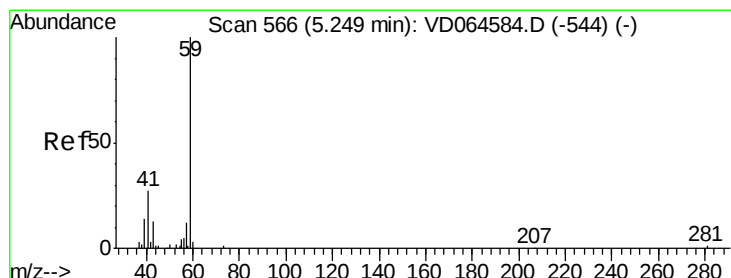
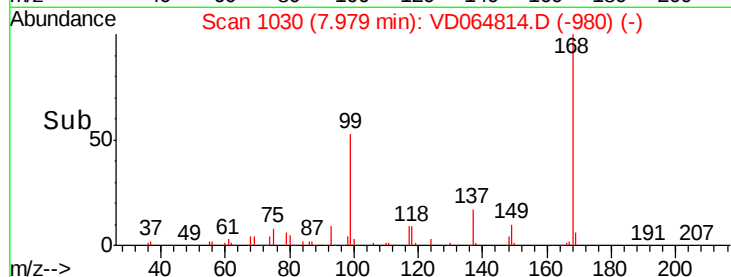
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 2.265 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064814.D

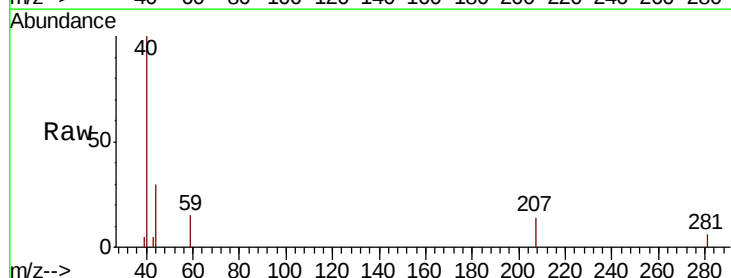
Acq: 09 Jan 2020 13:54

Tgt Ion: 59 Resp: 556

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

500

400

300

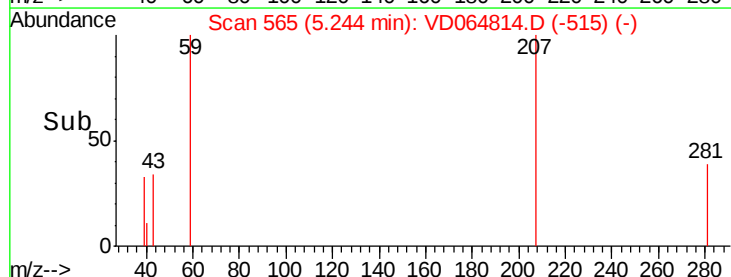
200

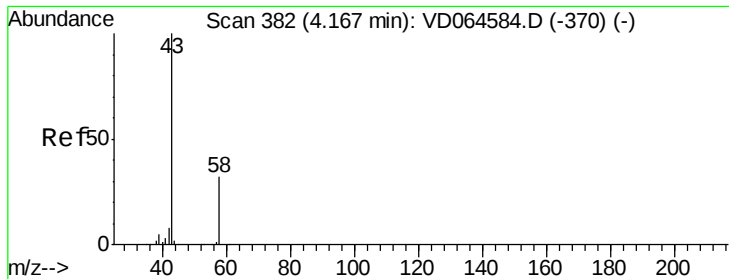
100

0

5.22 5.24 5.26 5.28

Time-->





#16

Acetone

Concen: 7.144 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064814.D

Acq: 09 Jan 2020 13:54

Instrument :

MSVOA_D

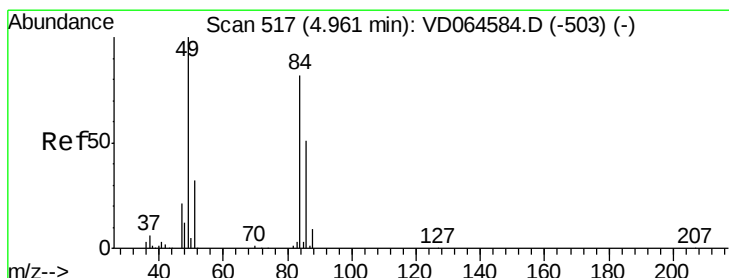
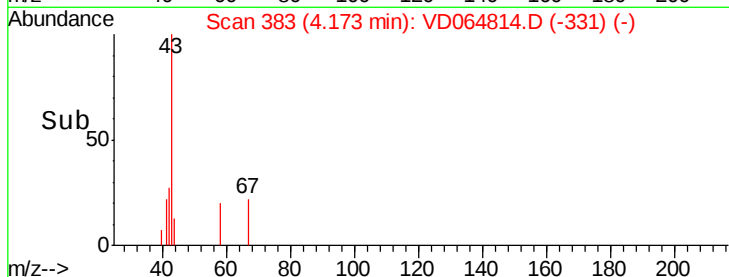
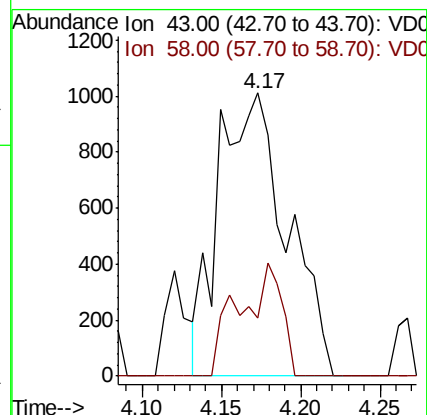
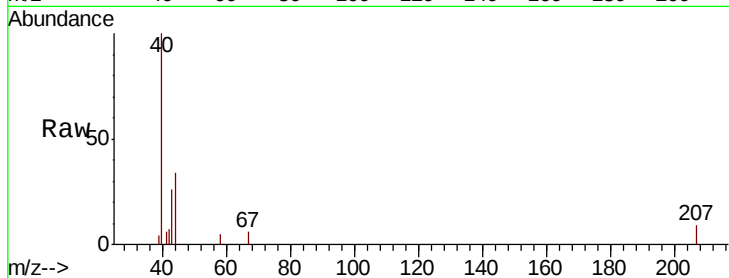
ClientSampleId :

Tot Ion: 43 Resp: 3028

Ion Ratio Lower Upper

43 100

58 20.5 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064814.D

Acq: 09 Jan 2020 13:54

Tgt Ion: 84 Resp: 8500

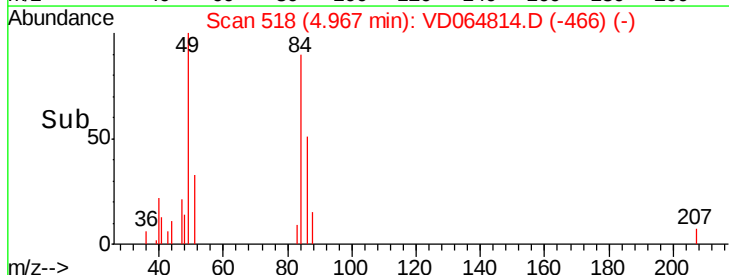
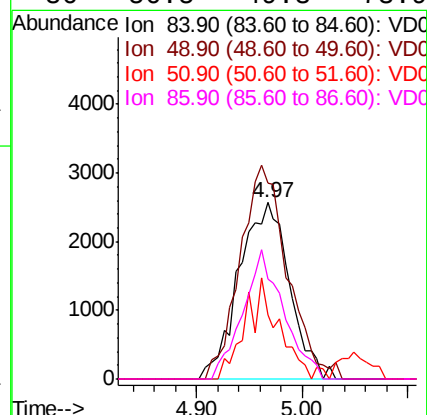
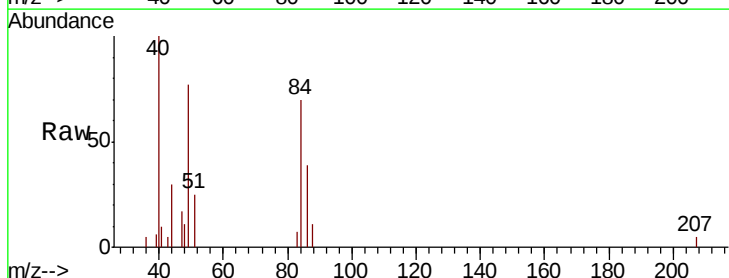
Ion Ratio Lower Upper

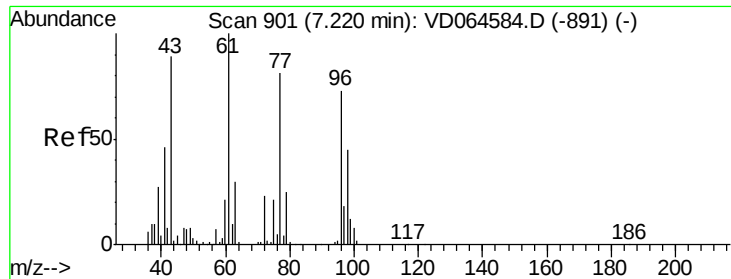
84 100

49 111.3 97.2 145.8

51 36.3 31.4 47.0

86 56.5 49.3 73.9





#25

2-Butanone

Concen: 1.400 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064814.D

Acq: 09 Jan 2020 13:54

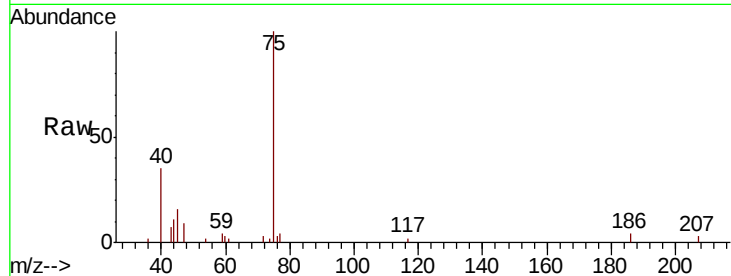
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1648

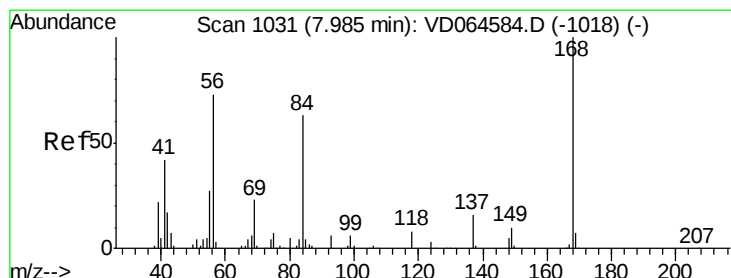
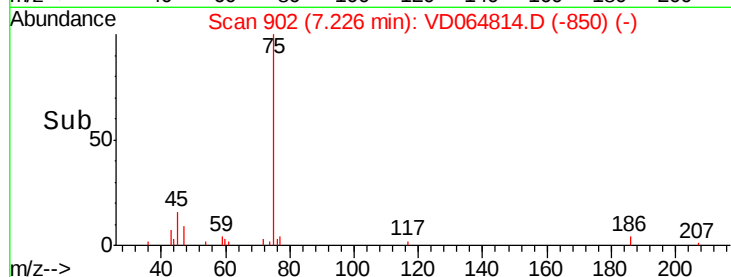
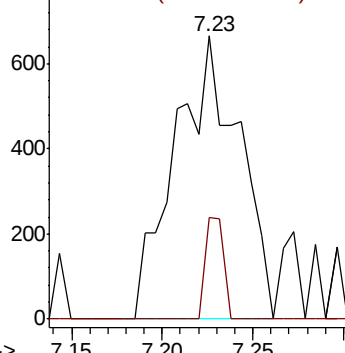
Ion Ratio Lower Upper

43 100

72 35.8 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064814.D

Acq: 09 Jan 2020 13:54

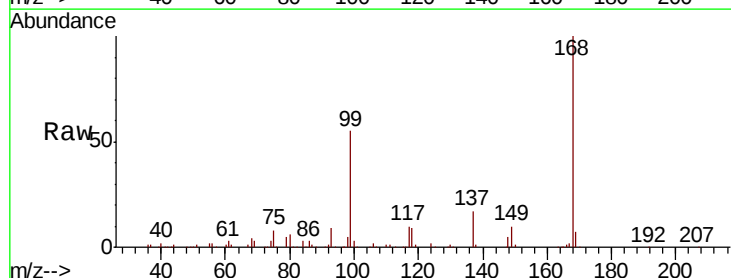
Tgt Ion: 56 Resp: 10868

Ion Ratio Lower Upper

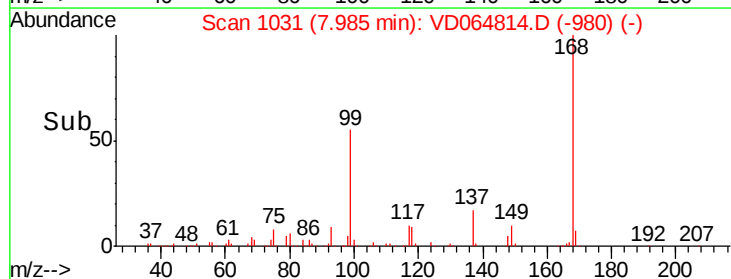
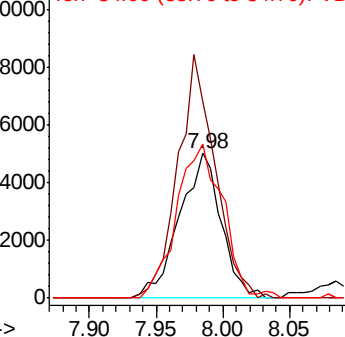
56 100

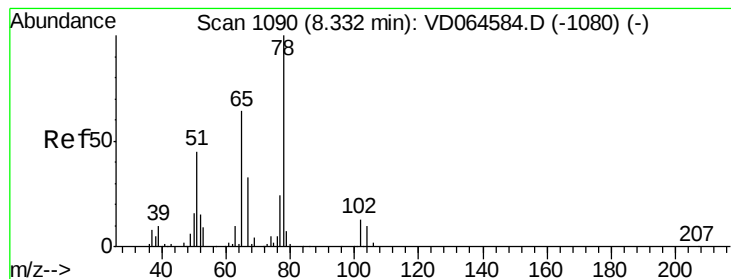
69 136.1 24.7 37.1#

84 110.0 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: 56.128 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064814.D

Acq: 09 Jan 2020 13:54

Instrument :

MSVOA_D

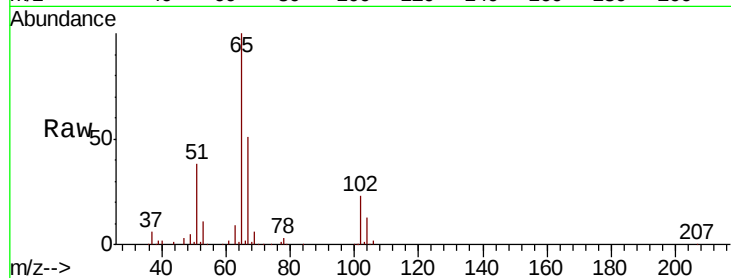
ClientSampleId :

Tot Ion: 65 Resp: 240433

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

8.34

120000

100000

80000

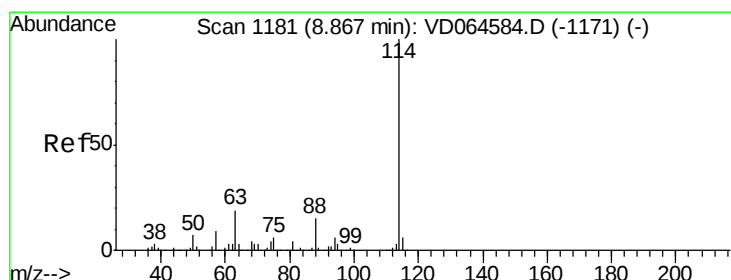
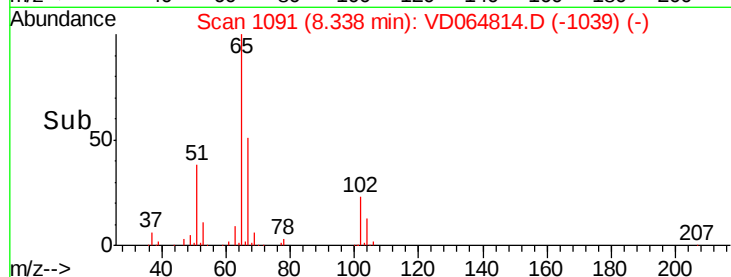
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064814.D

Acq: 09 Jan 2020 13:54

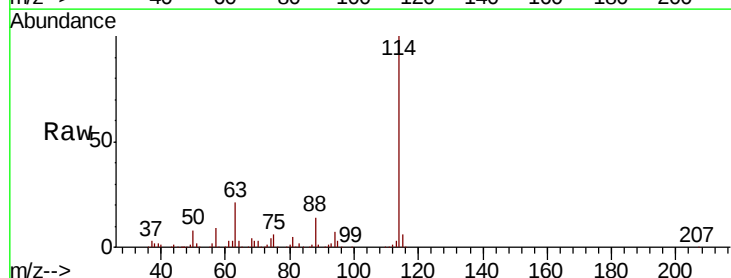
Tgt Ion: 114 Resp: 781086

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

88 14.2 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

8.87

500000

400000

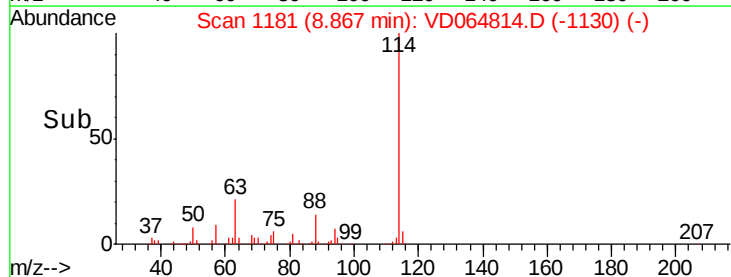
300000

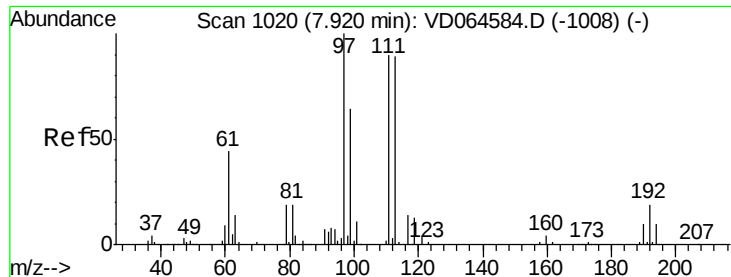
200000

100000

0

Time-->

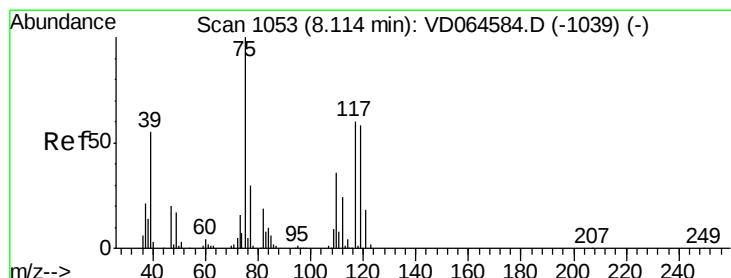
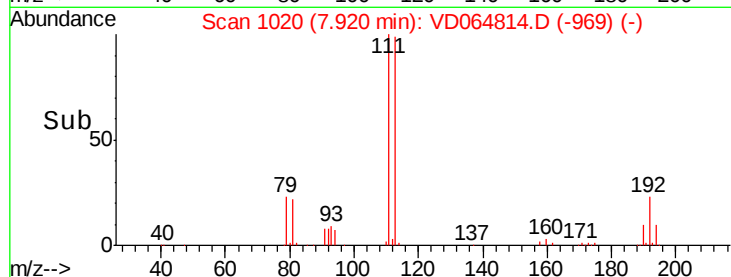
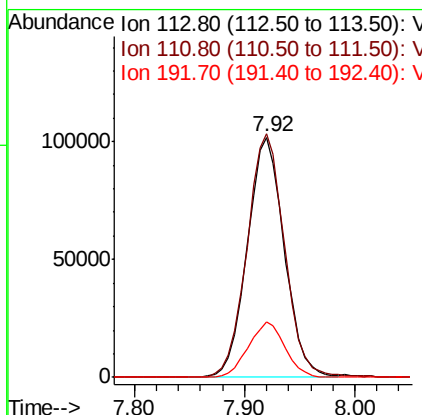
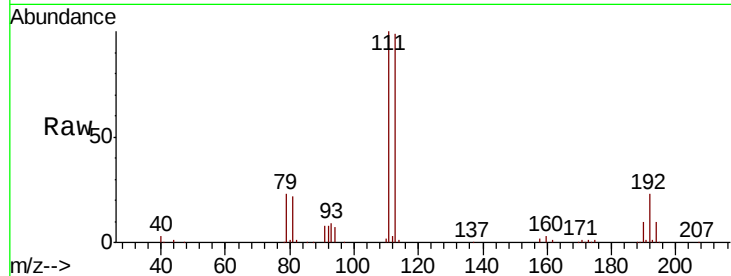




#35
 Dibromofluoromethane
 Concen: 49.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064814.D
 Acq: 09 Jan 2020 13:54

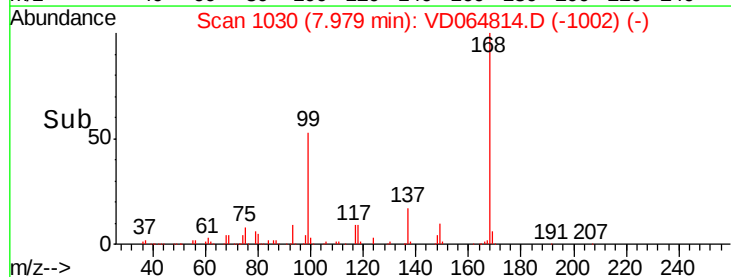
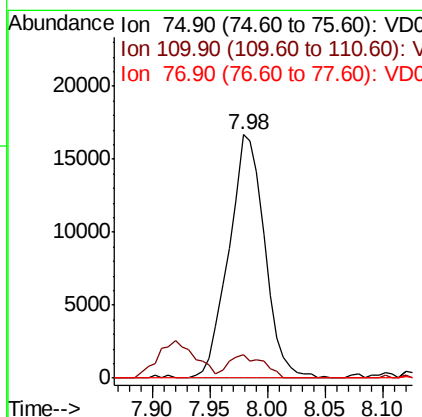
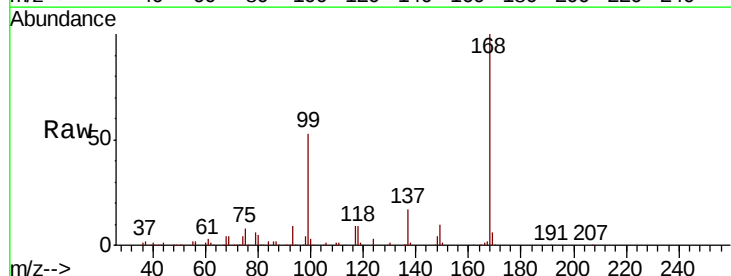
Instrument :
 MSVOA_D
 ClientSampled :

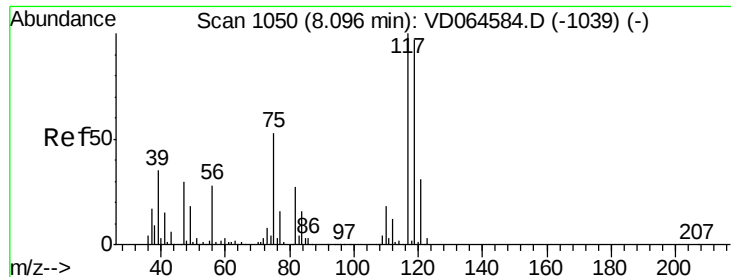
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.6	121.0
192	22.9	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064814.D
 Acq: 09 Jan 2020 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	24.2	36.4#

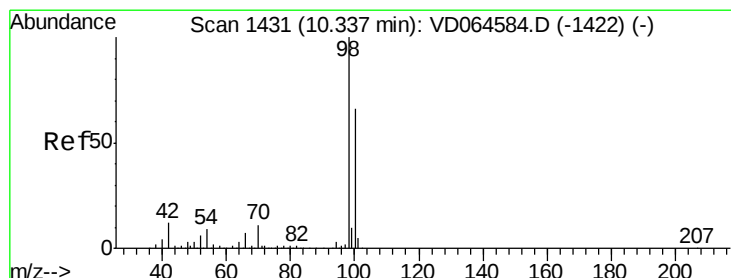
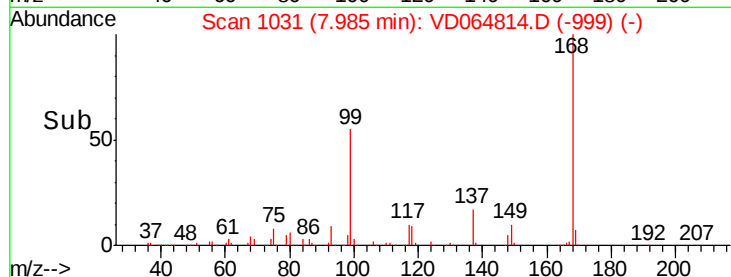
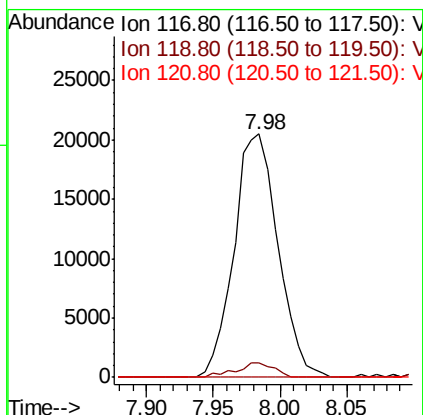
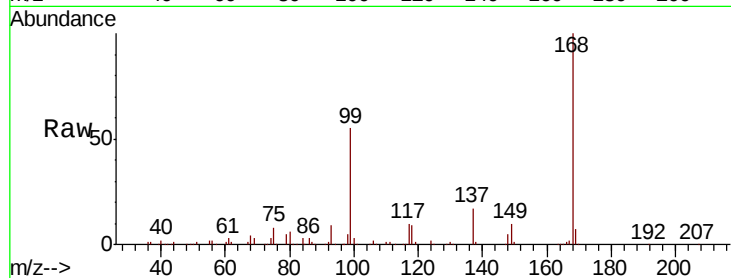




#38
Carbon Tetrachloride
Concen: 5.854 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064814.D
Acq: 09 Jan 2020 13:54

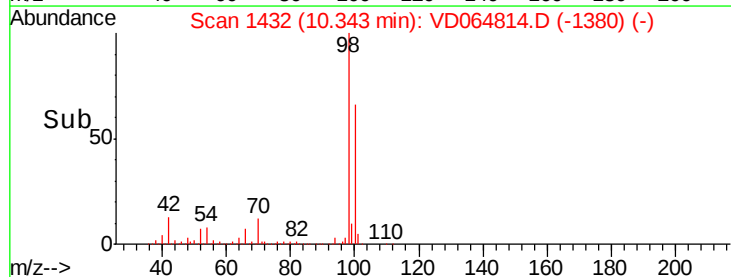
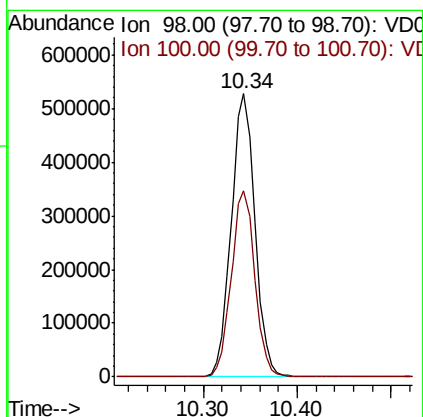
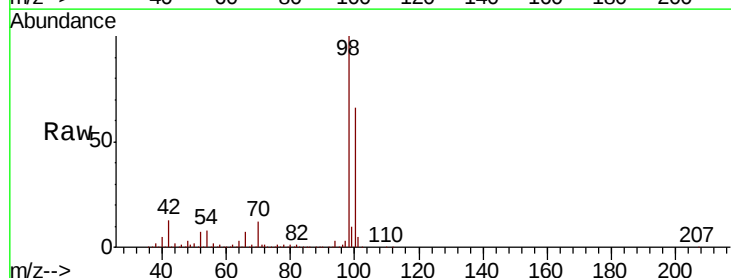
Instrument :
MSVOA_D
ClientSampled :

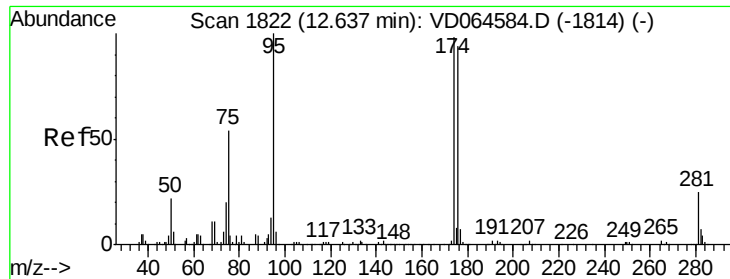
Tot Ion:117 Resp: 46925
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.436 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064814.D
Acq: 09 Jan 2020 13:54

Tgt Ion: 98 Resp: 925662
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5

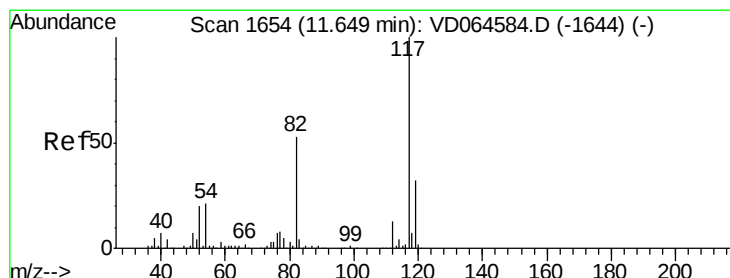
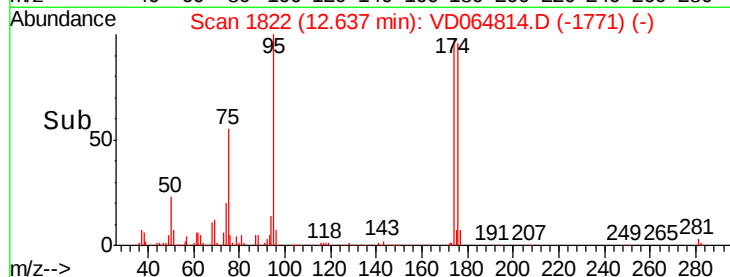
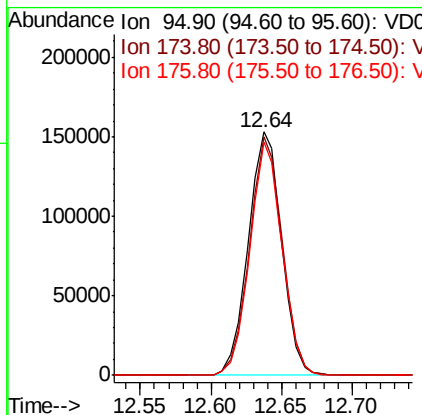
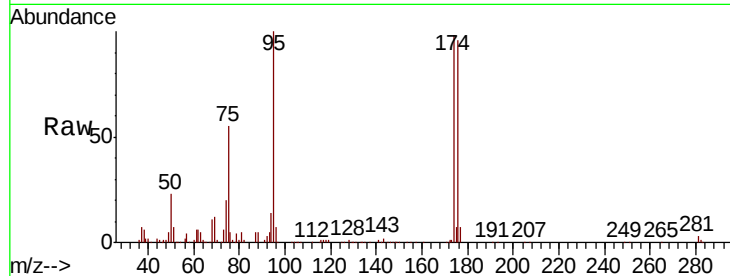




#62
4-Bromofluorobenzene
Concen: 43.705 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064814.D
Acq: 09 Jan 2020 13:54

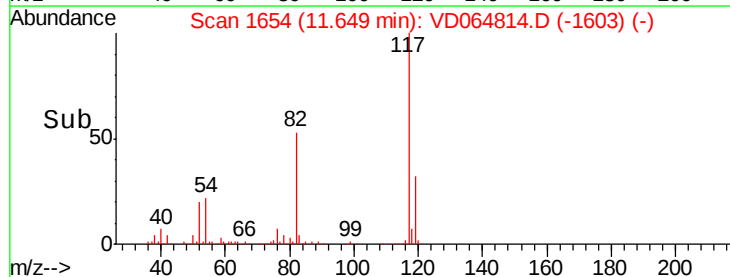
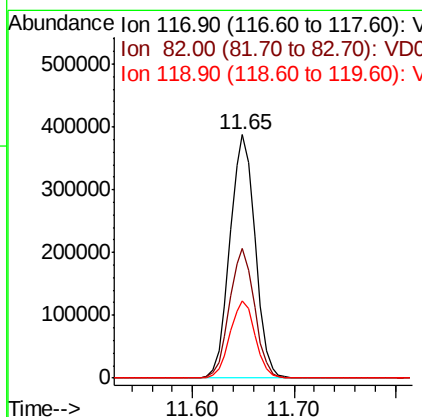
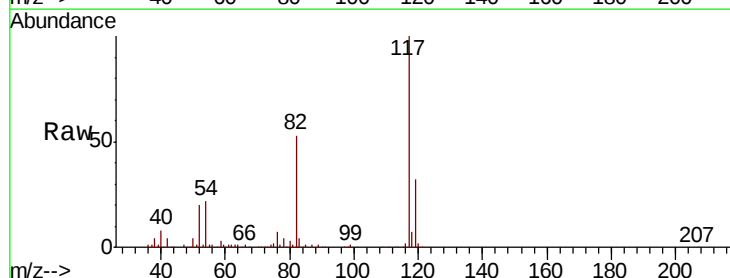
Instrument :
MSVOA_D
ClientSampleId :

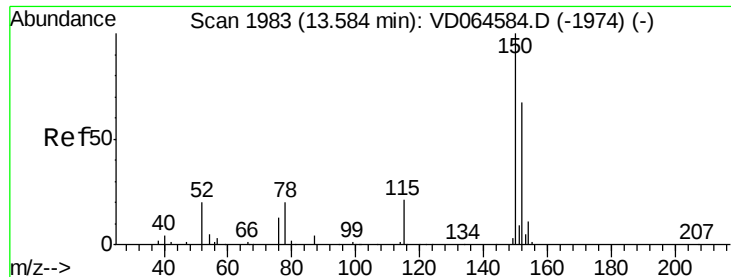
Tot Ion: 95 Resp: 253640
Ion Ratio Lower Upper
95 100
174 96.4 0.0 193.2
176 92.7 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064814.D
Acq: 09 Jan 2020 13:54

Tgt Ion: 117 Resp: 669895
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 31.8 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: VD064814.D

Acq: 09 Jan 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

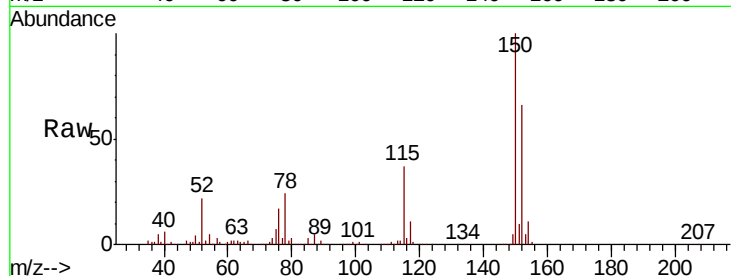
Tot Ion:152 Resp: 265948

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

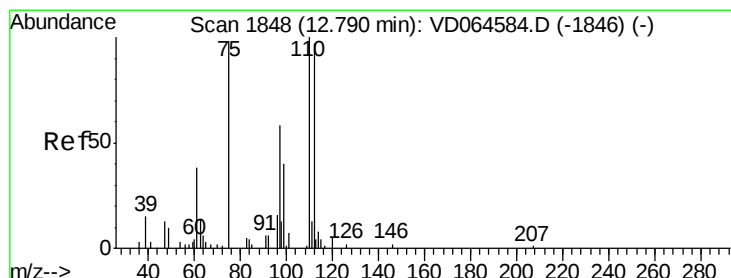
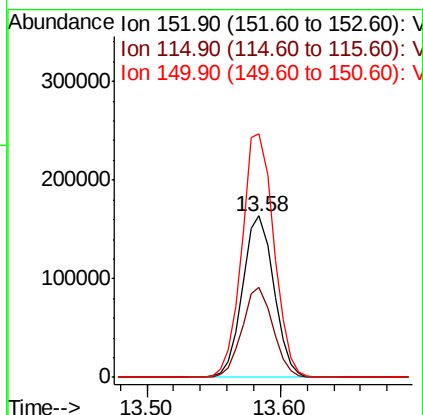
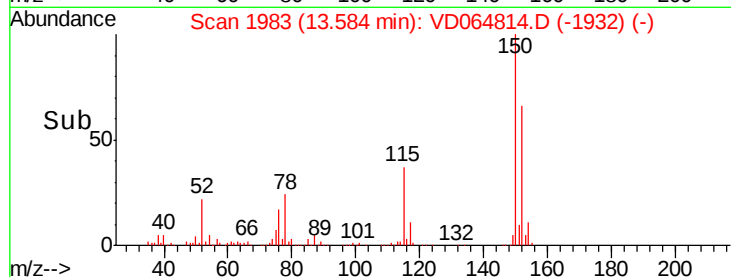
150 153.7 0.0 351.4



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: 65.390 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064814.D

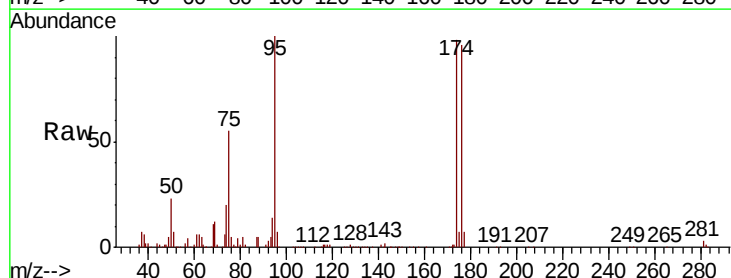
Acq: 09 Jan 2020 13:54

Tgt Ion: 75 Resp: 137324

Ion Ratio Lower Upper

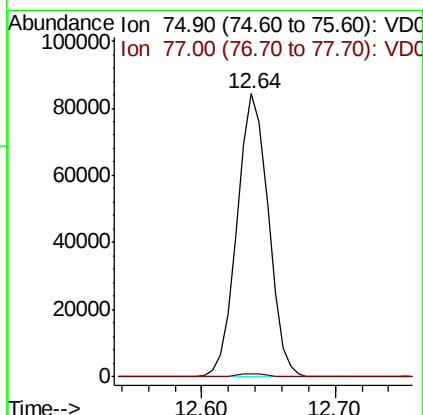
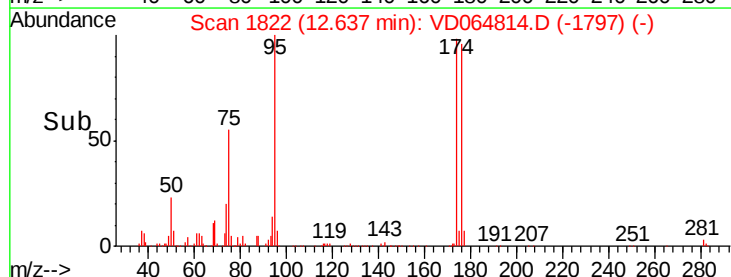
75 100

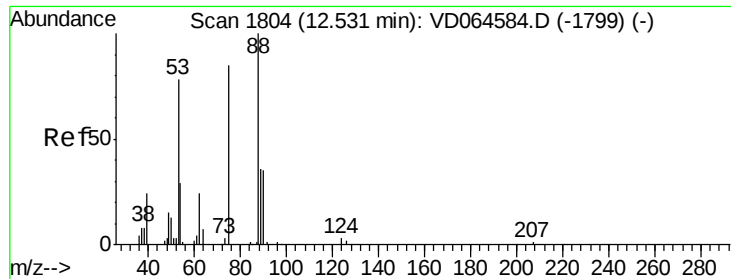
77 1.1 0.0 0.0#



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: 136.760 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064814.D

Acq: 09 Jan 2020 13:54

Instrument :

MSVOA_D

ClientSampleId :

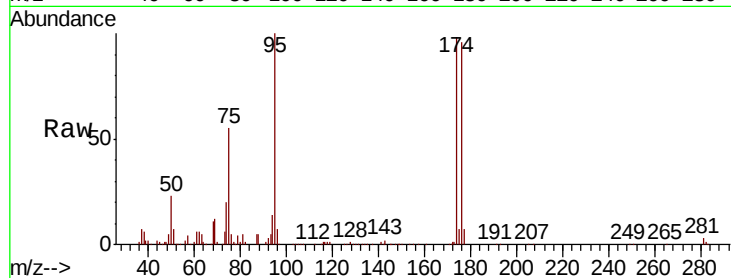
Tot Ion: 75 Resp: 137324

Ion Ratio Lower Upper

75 100

53 0.1 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

