

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064715.D
 Acq On : 02 Jan 2020 14:05
 Operator : VA/SY
 Sample : K6464-02
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-(8-10)

Quant Time: Jan 03 00:24:26 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

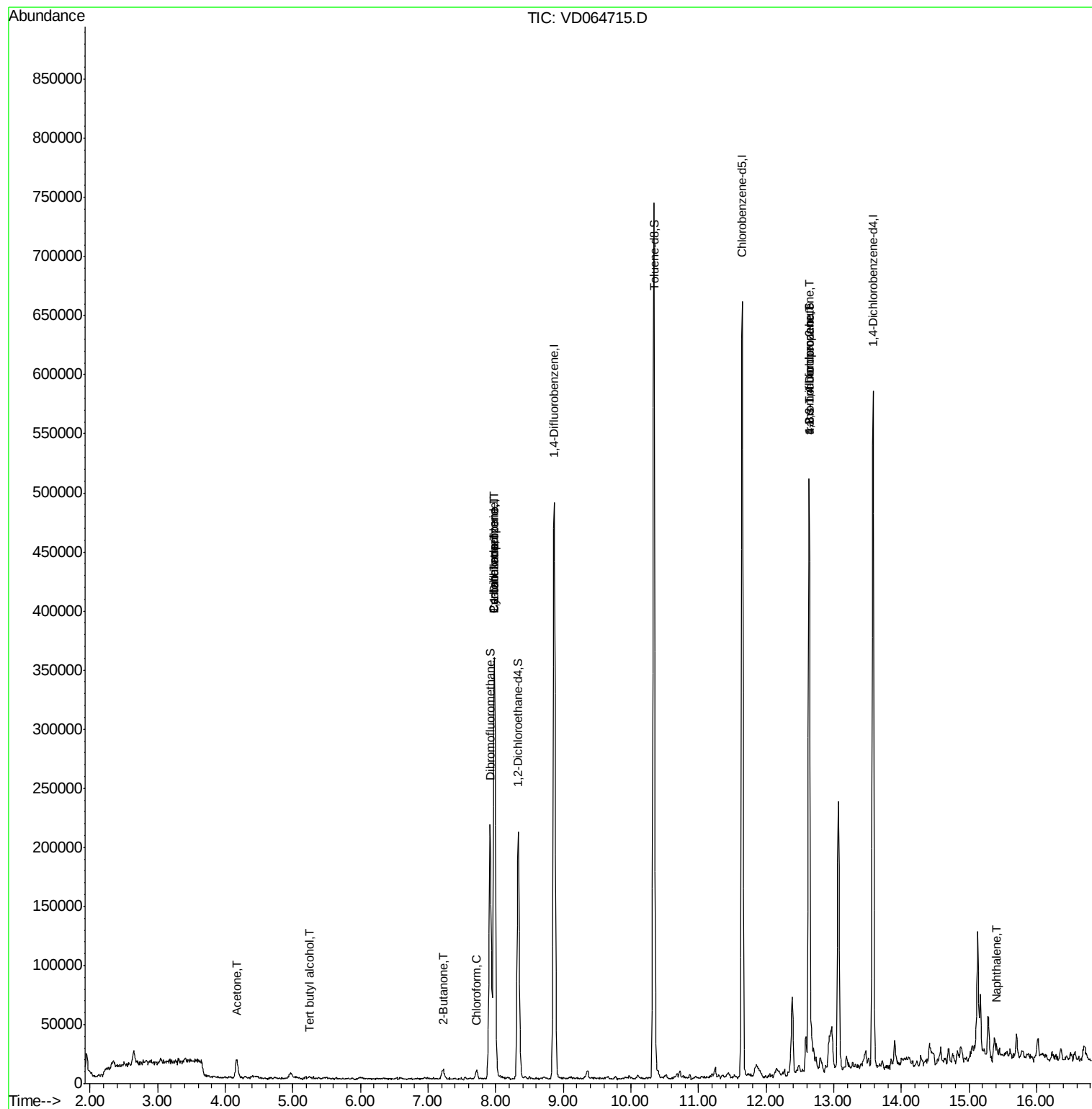
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	430403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	375150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	156091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	166896	67.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.52%	
35) Dibromofluoromethane	7.92	113	144931	54.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.78%	
50) Toluene-d8	10.34	98	510274	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.64	95	150790	47.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.30%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	719	5.093	ug/l #	89
16) Acetone	4.17	43	27002	50.821	ug/l	97
20) Methylene Chloride	4.96	84	3448	Below Cal	#	82
25) 2-Butanone	7.21	43	2096	3.096	ug/l #	87
30) Chloroform	7.71	83	6379	1.325	ug/l	88
31) Cyclohexane	7.98	56	6666	1.451	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	18628	4.497	ug/l #	53
38) Carbon Tetrachloride	7.98	117	26417	5.980	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	80502	65.311	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	80502	136.596	ug/l #	10
95) Naphthalene	15.42	128	10805	2.082	ug/l	95

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

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SB-5-(8-10)

Quant Time: Jan 03 00:24:26 2020
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: VD064715.D

Acq: 02 Jan 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

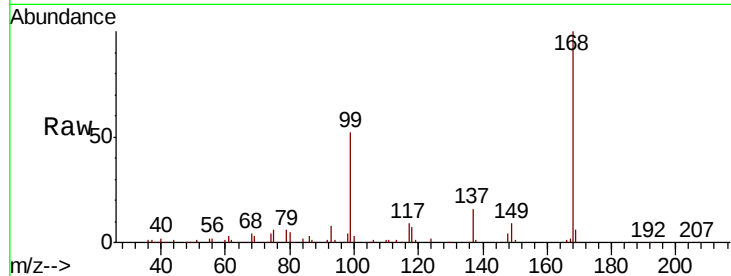
SB-5-(8-10)

Tot Ion:168 Resp: 279341

Ion Ratio Lower Upper

168 100

99 51.5 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

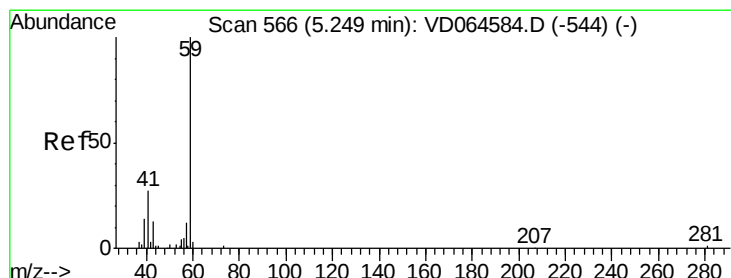
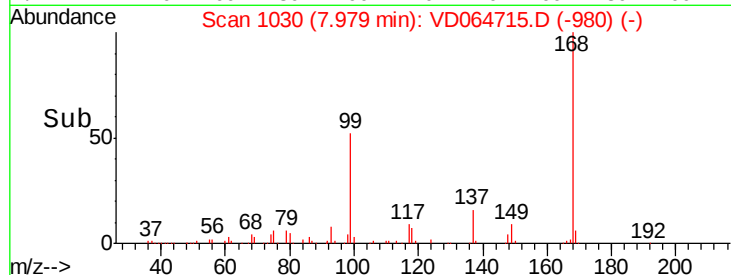
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.093 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064715.D

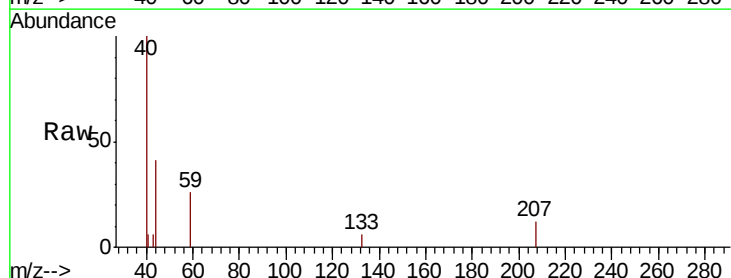
Acq: 02 Jan 2020 14:05

Tgt Ion: 59 Resp: 719

Ion Ratio Lower Upper

59 100

57 7.4 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

800

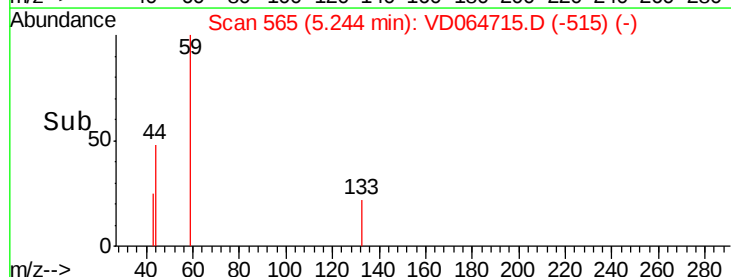
600

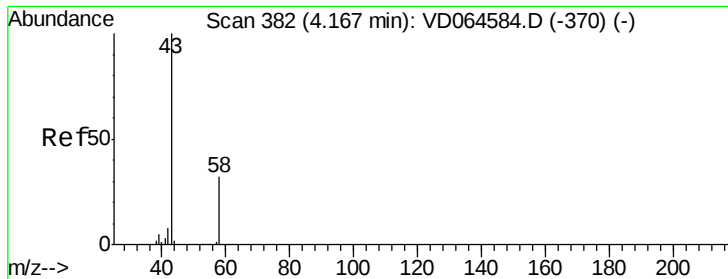
400

200

0

Time-->





#16

Acetone

Concen: 50.821 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

Instrument :

MSVOA_D

ClientSampled :

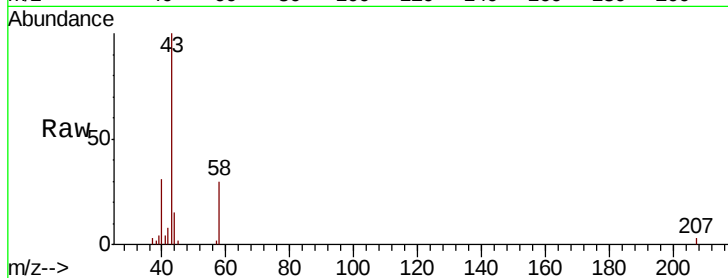
SB-5-(8-10)

Tot Ion: 43 Resp: 27002

Ion Ratio Lower Upper

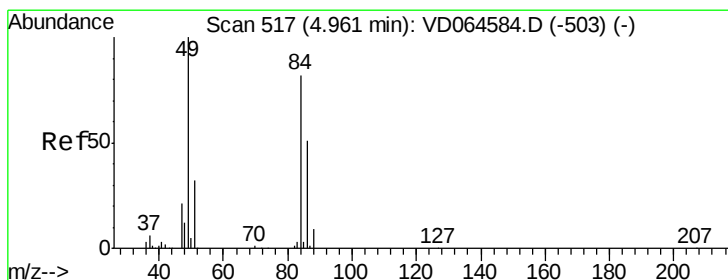
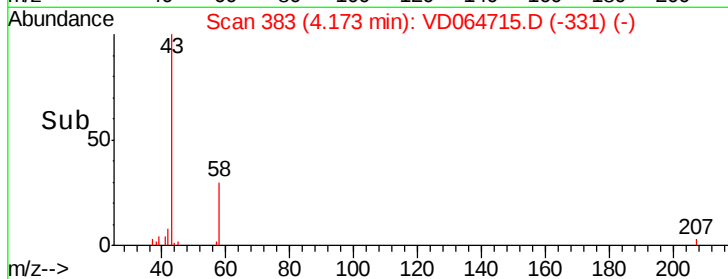
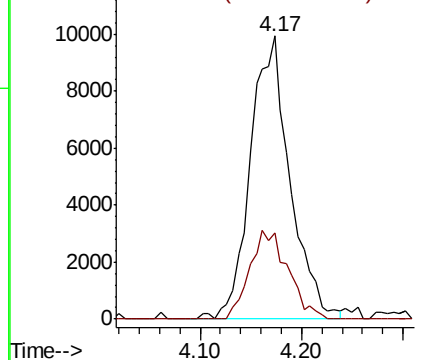
43 100

58 30.4 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# 516

Delta R.T. -0.01 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

Tgt Ion: 84 Resp: 3448

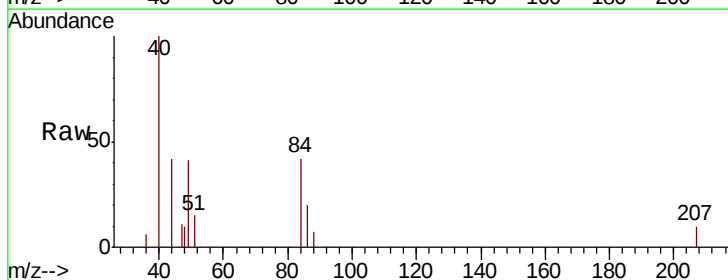
Ion Ratio Lower Upper

84 100

49 97.2 97.2 145.8#

51 36.0 31.4 47.0

86 48.1 49.3 73.9#

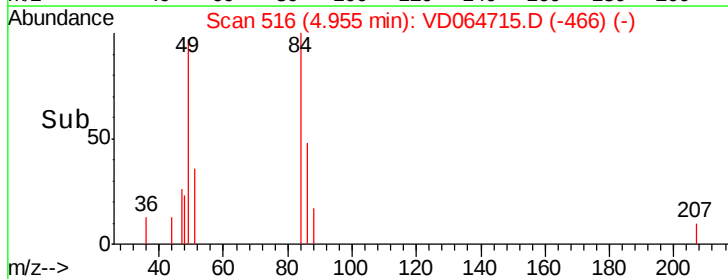
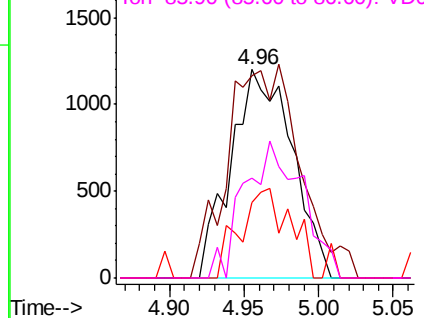


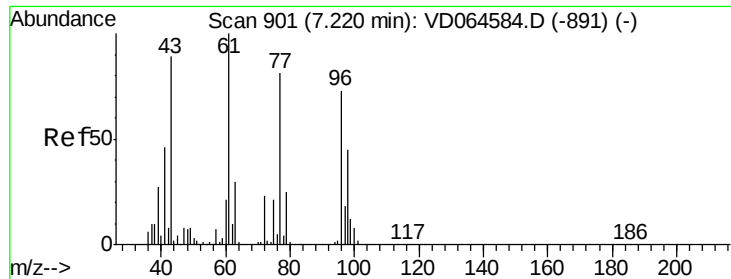
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 3.096 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

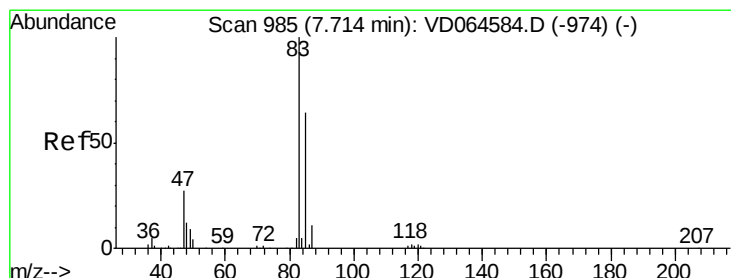
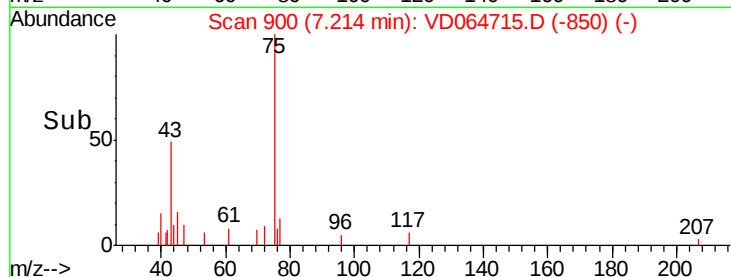
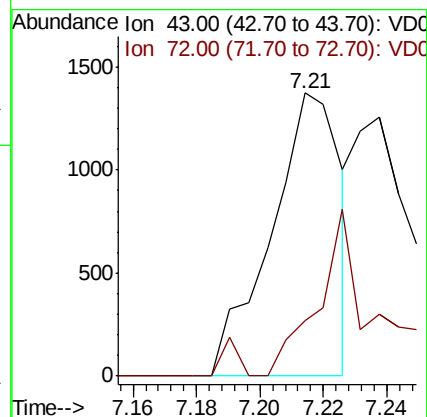
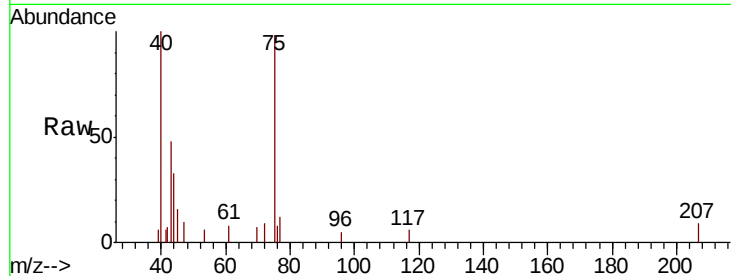
SB-5-(8-10)

Tot Ion: 43 Resp: 2096

Ion Ratio Lower Upper

43 100

72 19.4 20.7 31.1#



#30

Chloroform

Concen: 1.325 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064715.D

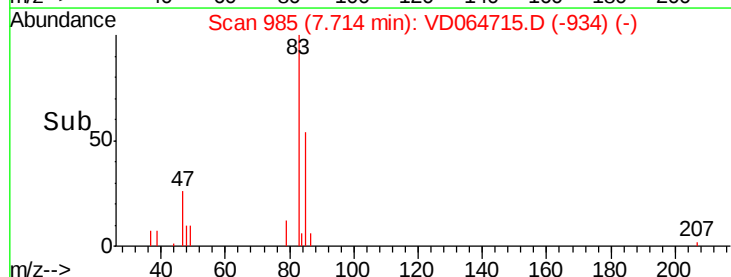
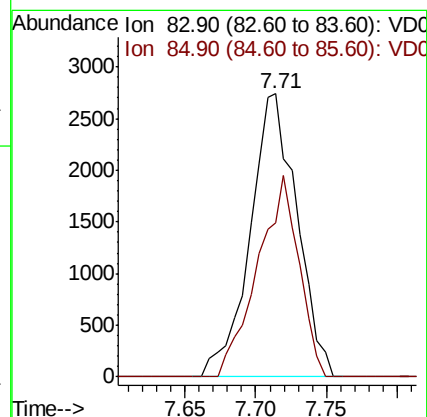
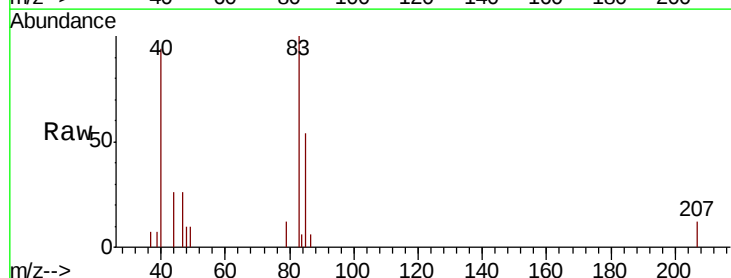
Acq: 02 Jan 2020 14:05

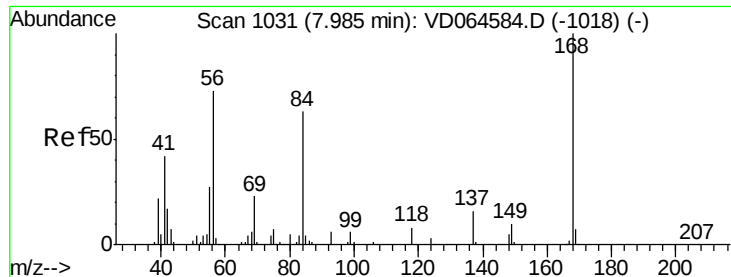
Tgt Ion: 83 Resp: 6379

Ion Ratio Lower Upper

83 100

85 54.5 51.1 76.7

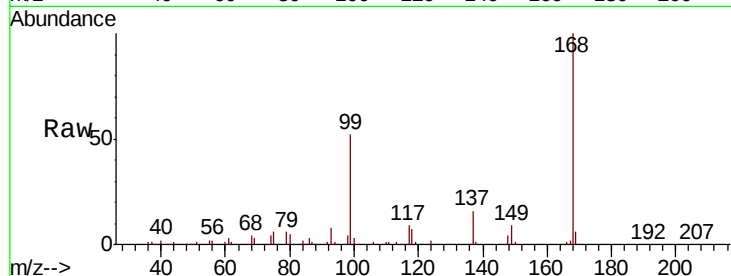




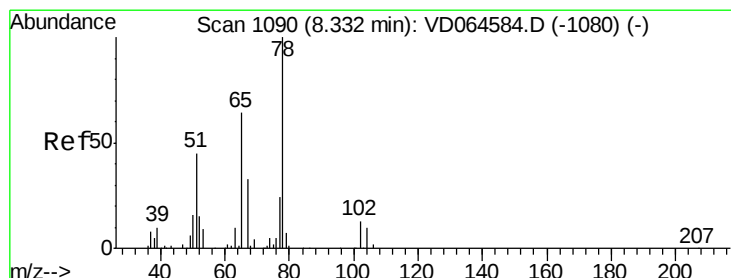
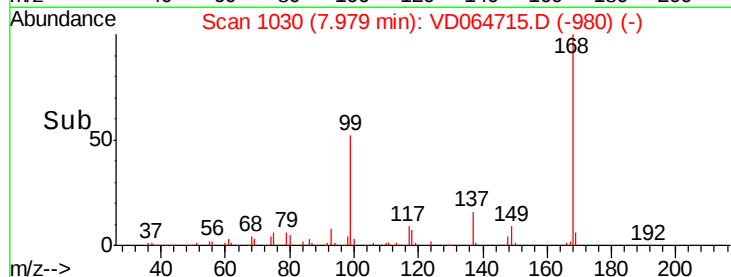
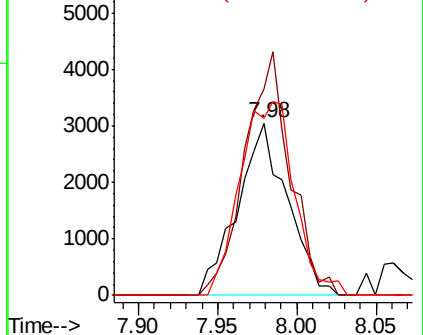
#31
Cyclohexane
Concen: 1.451 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064715.D
Acq: 02 Jan 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(8-10)

Tot Ion: 56 Resp: 6666
Ion Ratio Lower Upper
56 100
69 119.7 24.7 37.1#
84 102.9 69.4 104.2

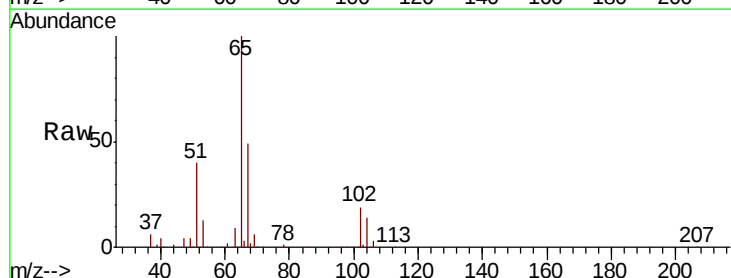


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

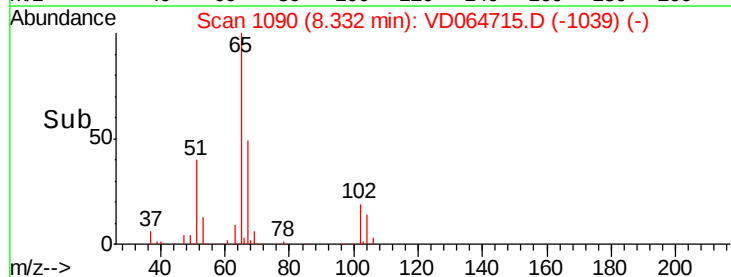
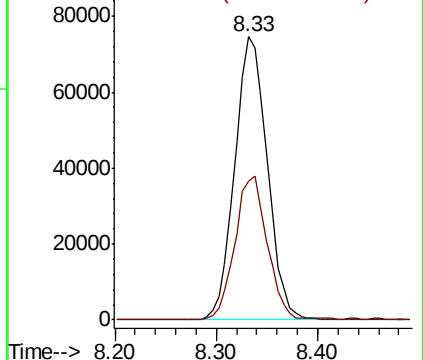


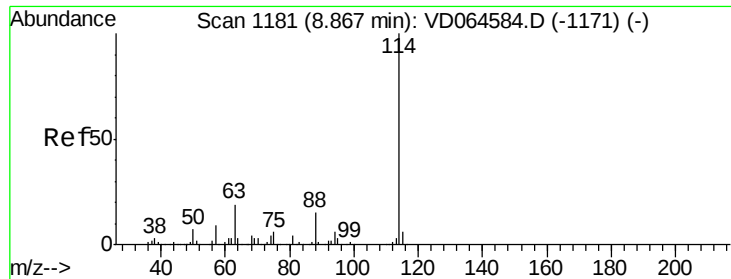
#33
1,2-Dichloroethane-d4
Concen: 67.756 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064715.D
Acq: 02 Jan 2020 14:05

Tgt Ion: 65 Resp: 166896
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

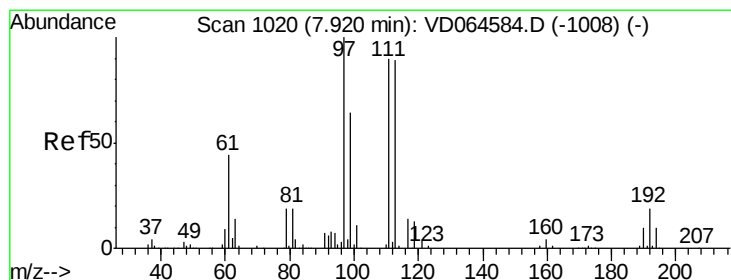
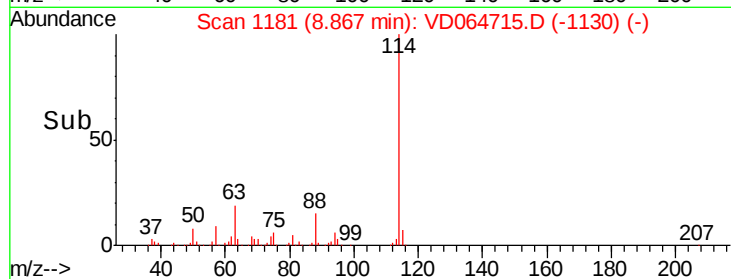
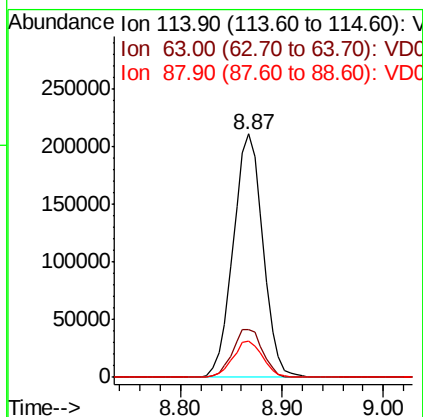
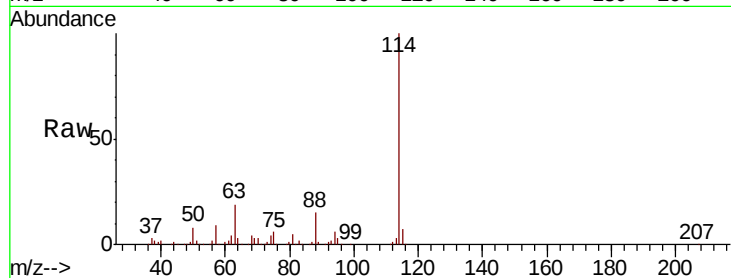




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064715.D
 Acq: 02 Jan 2020 14:05

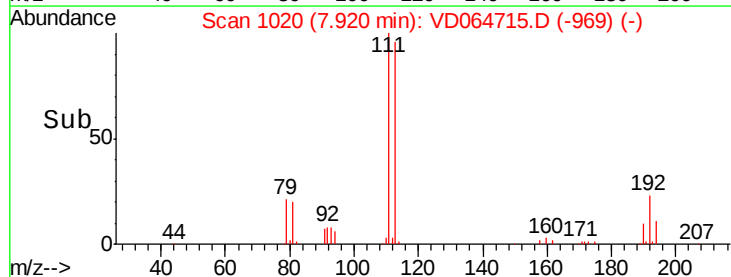
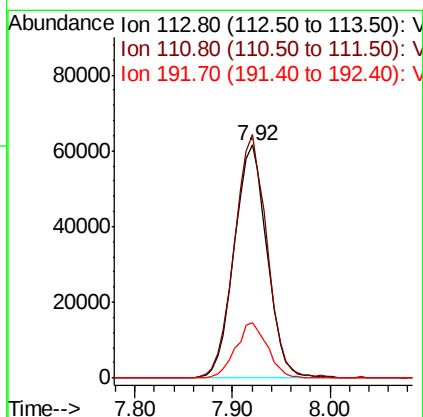
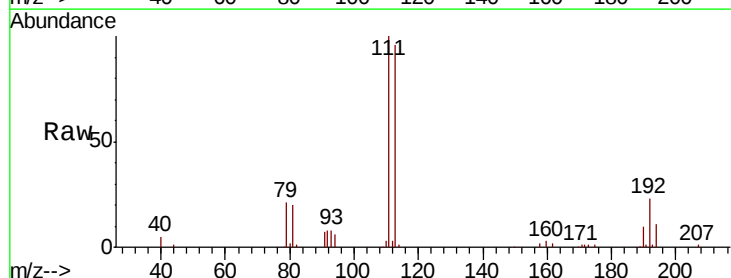
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-(8-10)

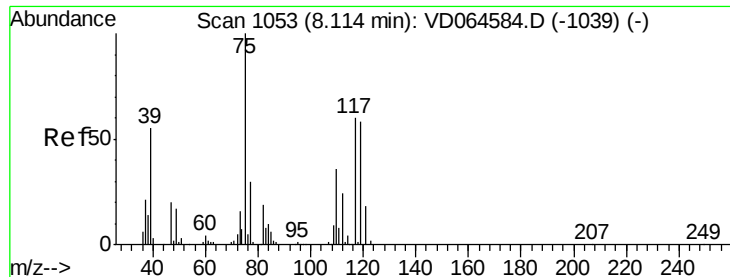
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.0
88	15.0	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 54.886 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064715.D
 Acq: 02 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.6	121.0
192	23.1	17.9	26.9





#36

1,1-Dichloropropene

Concen: 4.497 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

SB-5-(8-10)

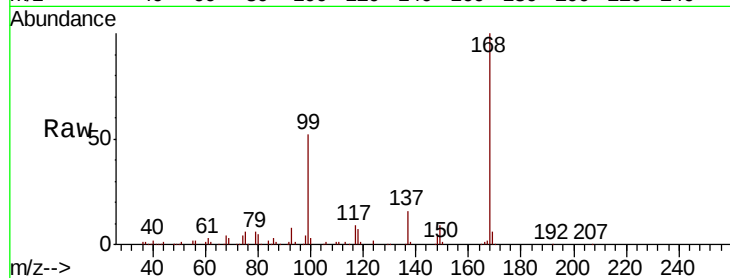
Tot Ion: 75 Resp: 18628

Ion Ratio Lower Upper

75 100

110 12.3 18.1 54.1#

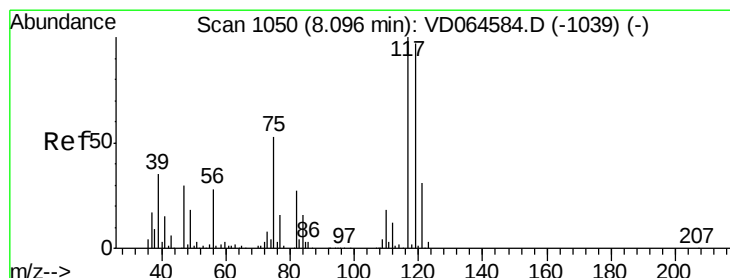
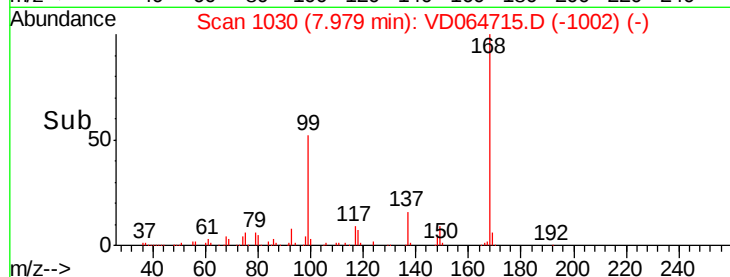
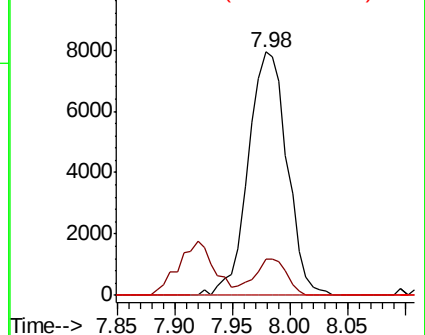
77 0.0 24.2 36.4#



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: 5.980 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

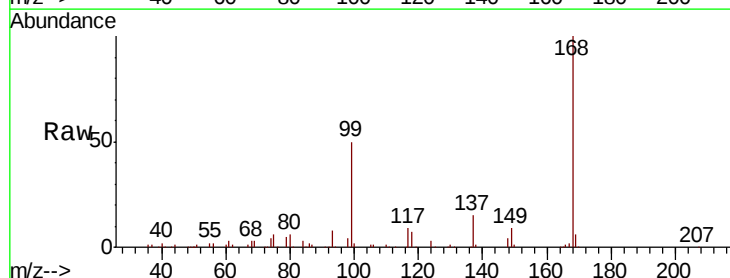
Tgt Ion: 117 Resp: 26417

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

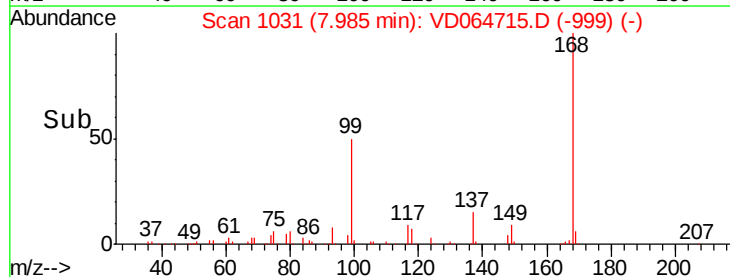
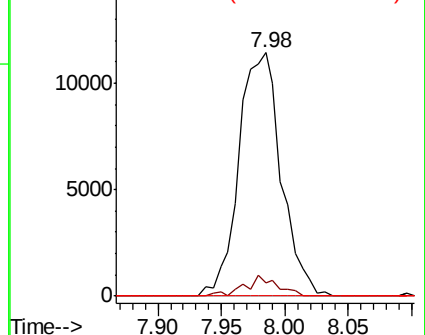
121 0.0 25.0 37.6#

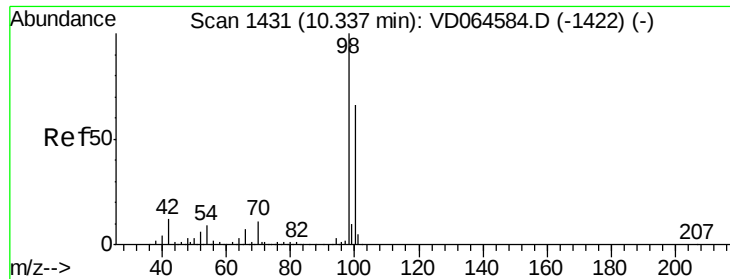


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.456 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

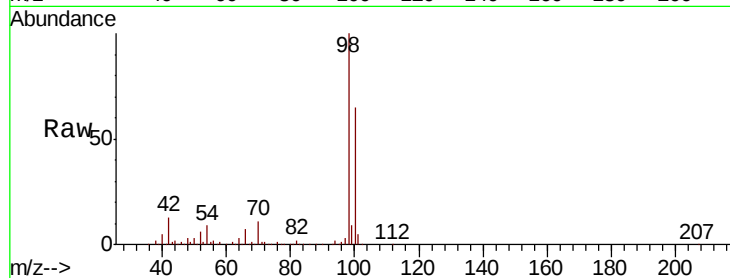
SB-5-(8-10)

Tot Ion: 98 Resp: 510274

Ion Ratio Lower Upper

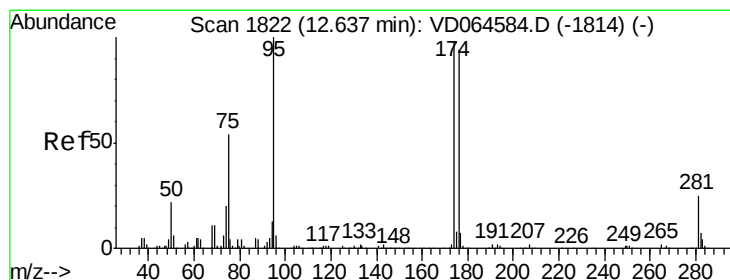
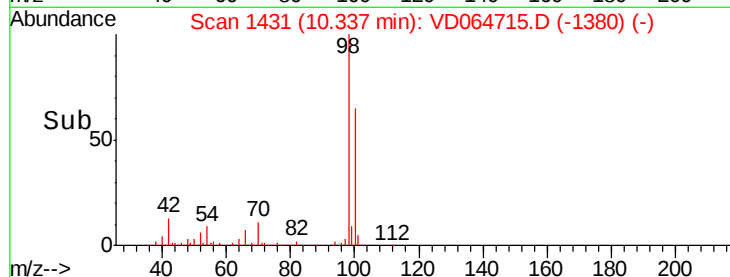
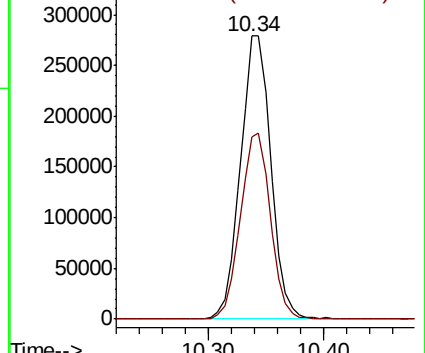
98 100

100 65.0 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: 47.153 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

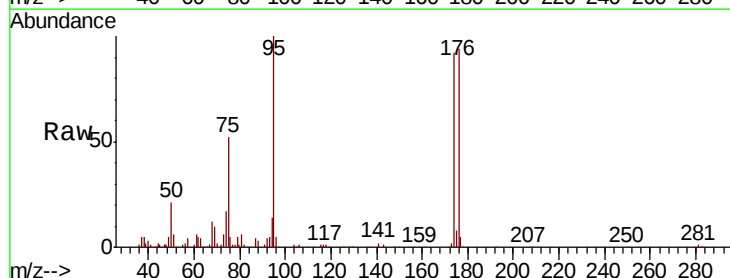
Tgt Ion: 95 Resp: 150790

Ion Ratio Lower Upper

95 100

174 95.7 0.0 193.2

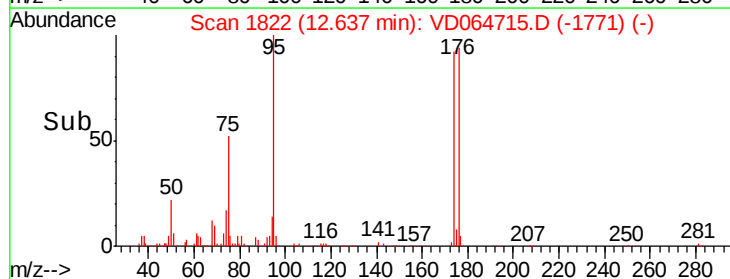
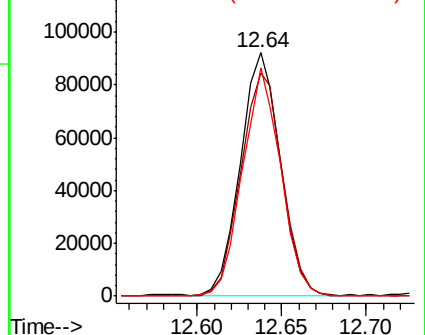
176 90.0 0.0 184.2

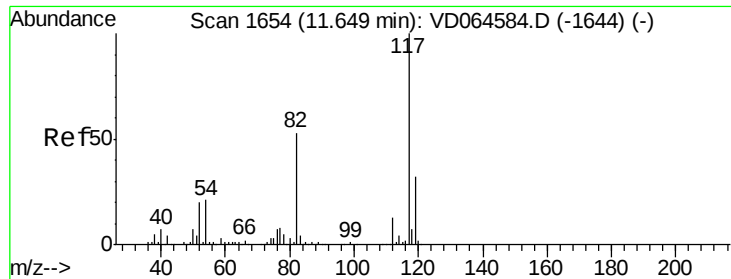


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

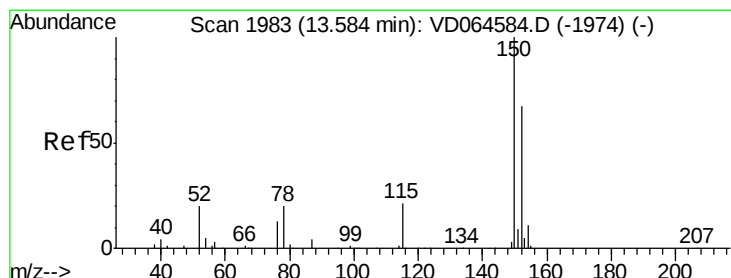
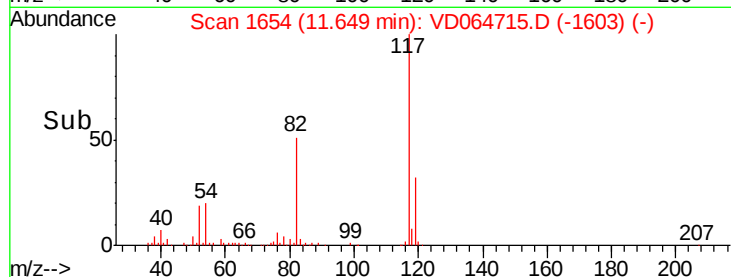
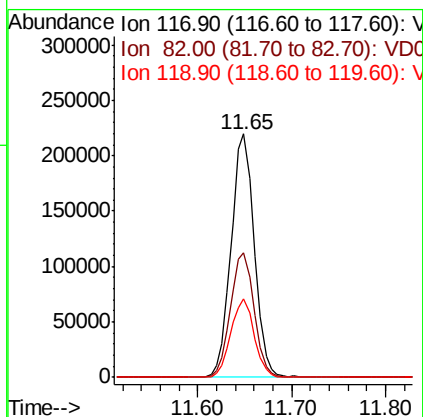
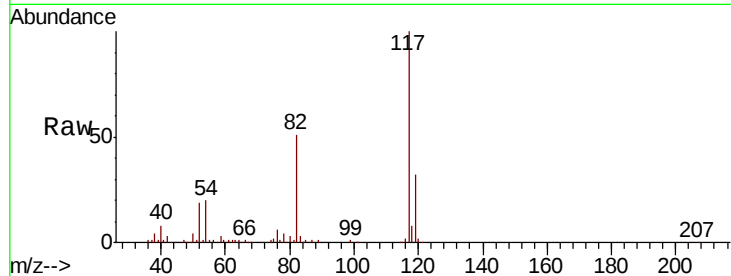




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064715.D
Acq: 02 Jan 2020 14:05

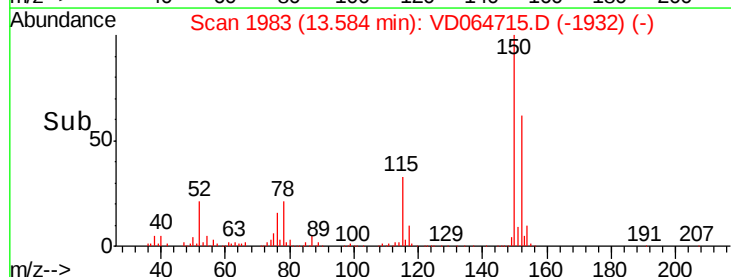
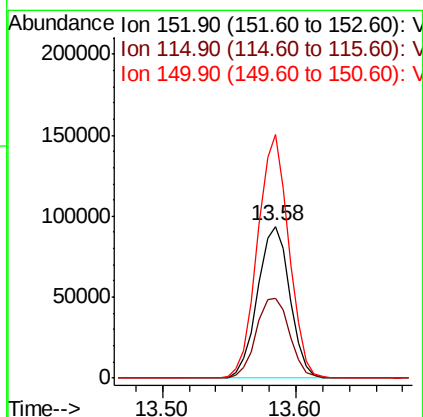
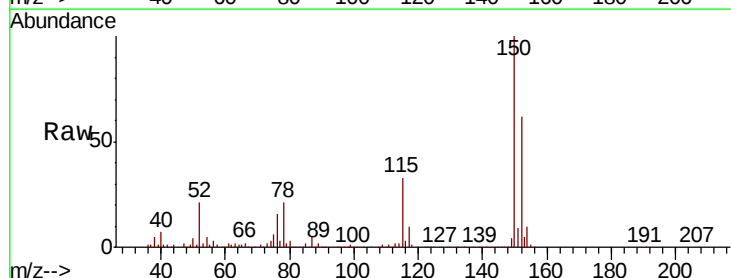
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(8-10)

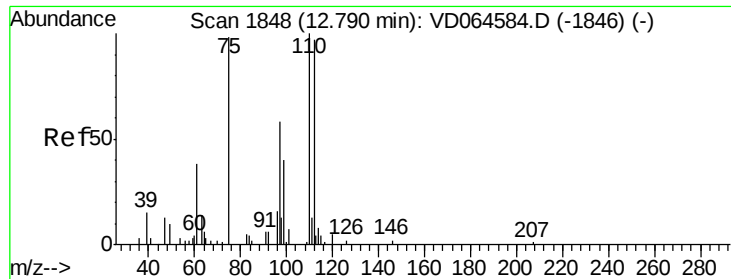
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.2	63.4
119	32.4	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064715.D
Acq: 02 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.4
150	155.8	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 65.311 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

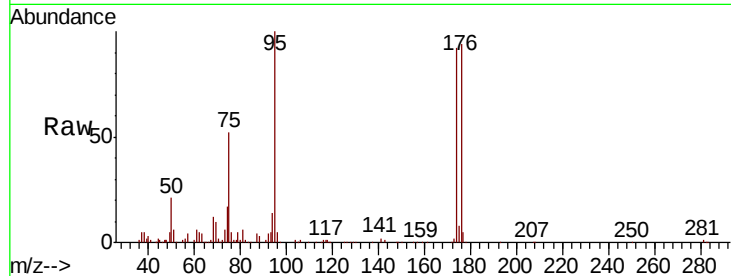
SB-5-(8-10)

Tot Ion: 75 Resp: 80502

Ion Ratio Lower Upper

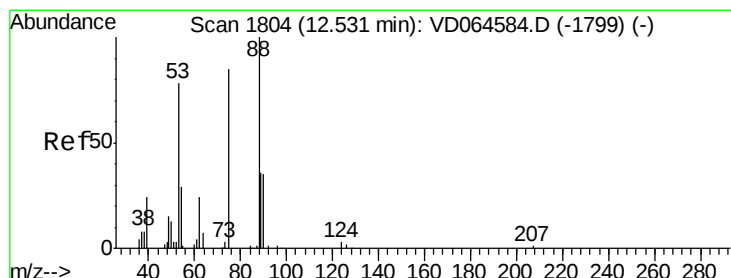
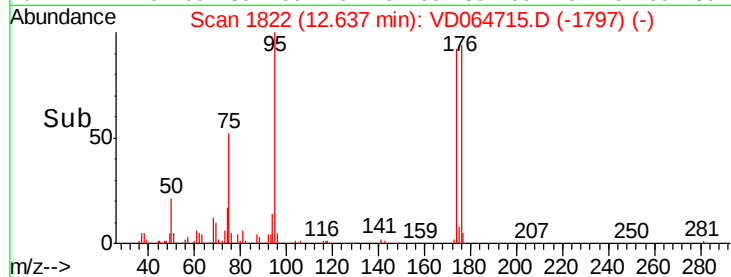
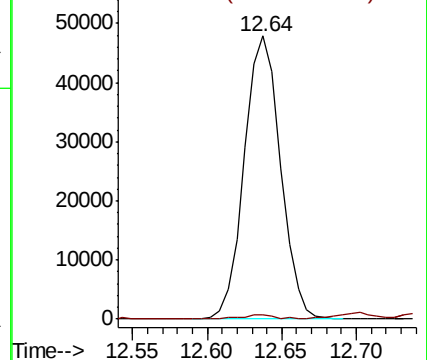
75 100

77 1.4 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: 136.596 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

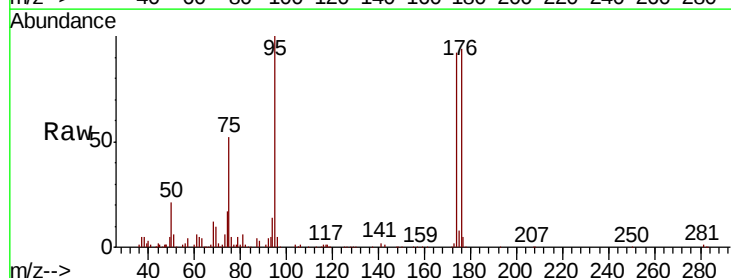
Tgt Ion: 75 Resp: 80502

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

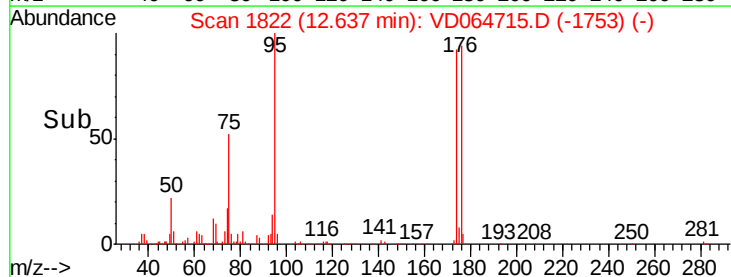
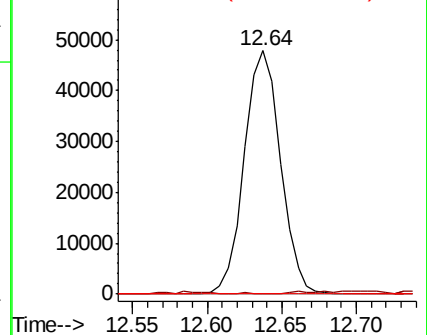
89 0.1 38.3 57.5#

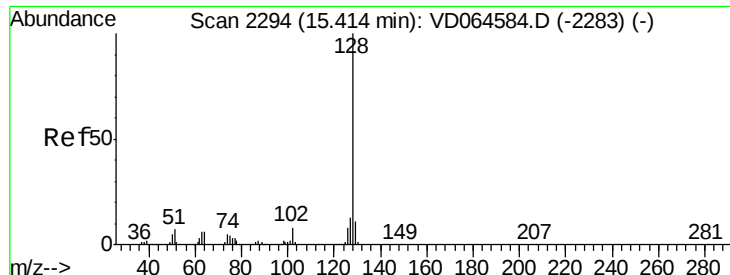


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 2.082 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD064715.D

Acq: 02 Jan 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

SB-5-(8-10)

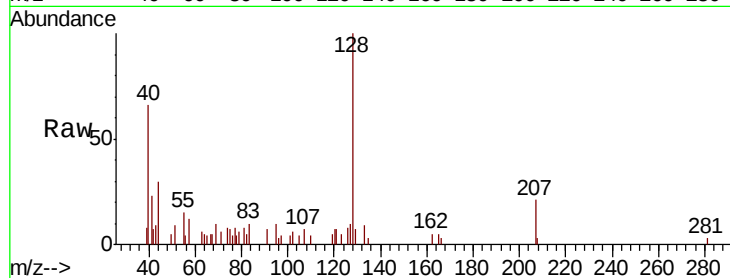
Tot Ion:128 Resp: 10805

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 12.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

