

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065391.D
 Acq On : 03 Mar 2020 13:40
 Operator : VA/SY
 Sample : L1769-02
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 04:52:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	860395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	767722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297608	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	274530	60.26	ug/l	0.00
Spiked Amount			Recovery	=	120.52%	
35) Dibromofluoromethane	7.92	113	284986	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
50) Toluene-d8	10.34	98	1026977	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.64	95	292484	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	

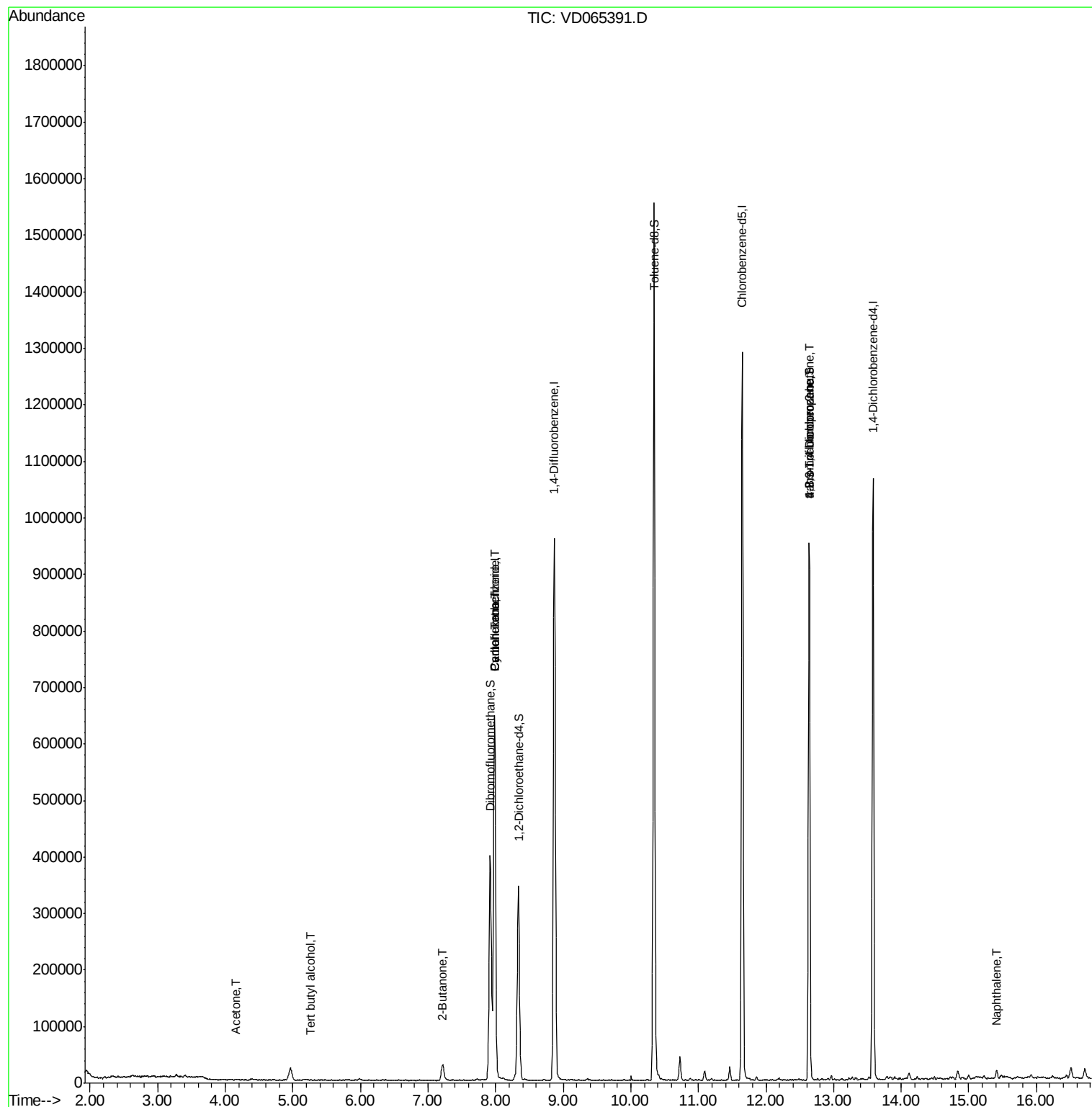
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	742	2.726	ug/l #	72
16) Acetone	4.16	43	3023	2.715	ug/l #	84
20) Methylene Chloride	4.97	84	16014	Below Cal		91
25) 2-Butanone	7.22	43	1710	1.214	ug/l #	49
31) Cyclohexane	7.98	56	10611	1.185	ug/l #	1
38) Carbon Tetrachloride	7.98	117	46088	5.408	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	143363	56.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	143363	122.247	ug/l #	11
95) Naphthalene	15.41	128	12247	1.418	ug/l	100

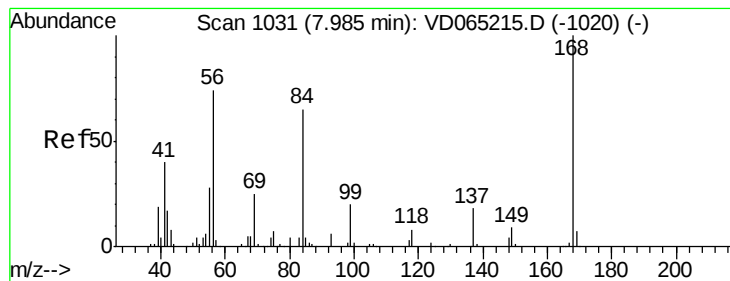
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

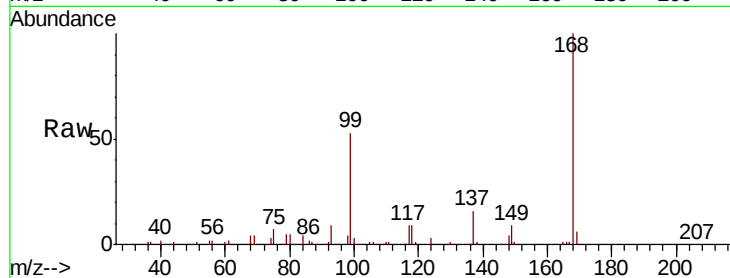
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 506388

Ion Ratio Lower Upper

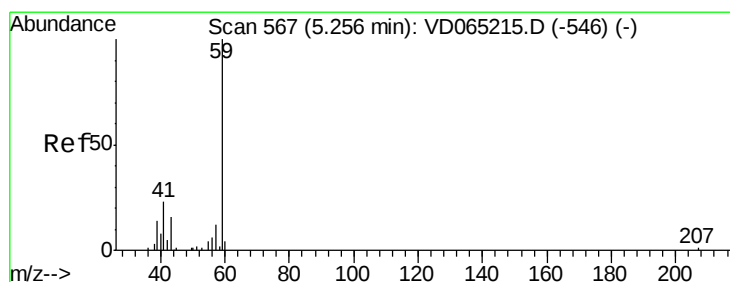
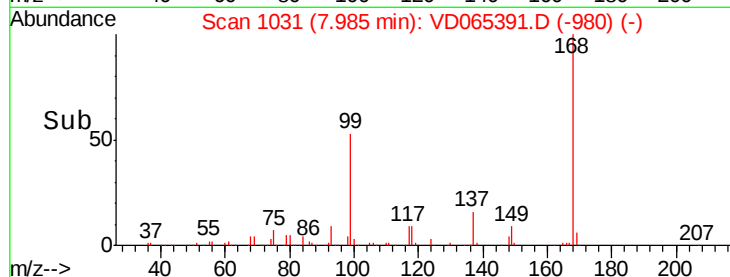
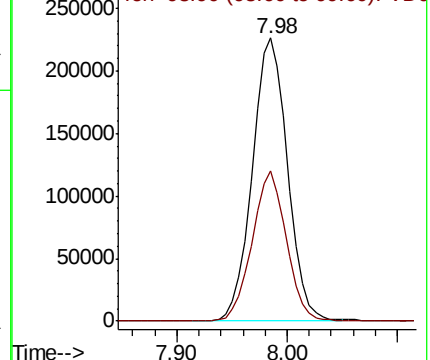
168 100

99 52.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 2.726 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.01 min

Lab File: VD065391.D

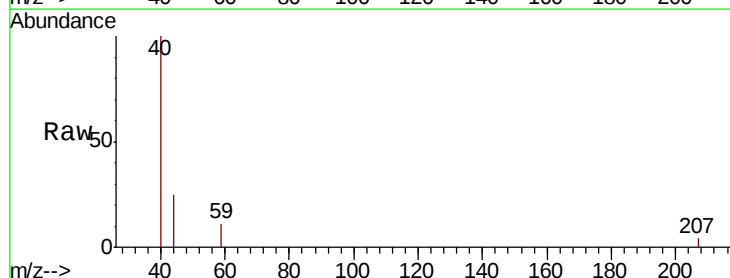
Acq: 03 Mar 2020 13:40

Tgt Ion: 59 Resp: 742

Ion Ratio Lower Upper

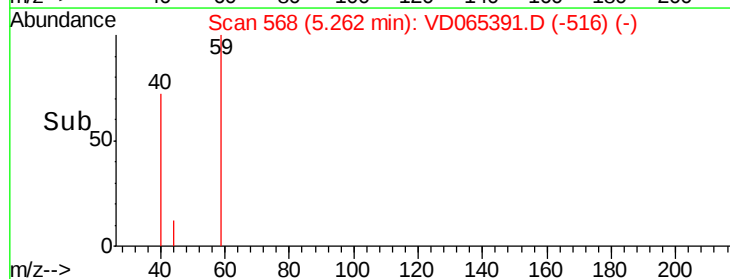
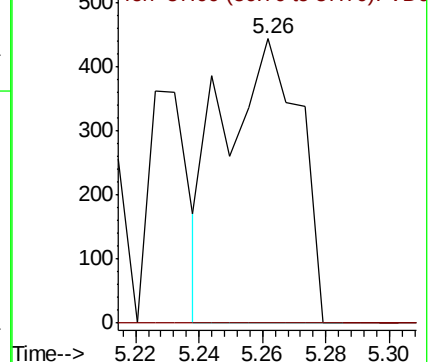
59 100

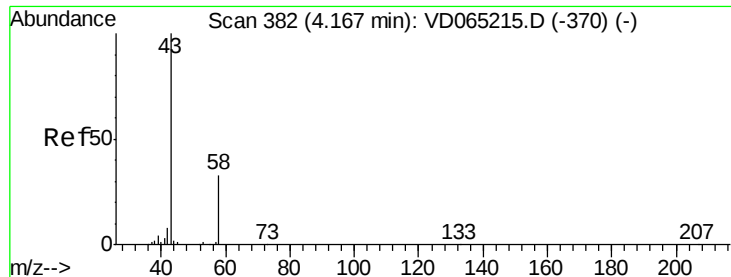
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.715 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

Instrument :

MSVOA_D

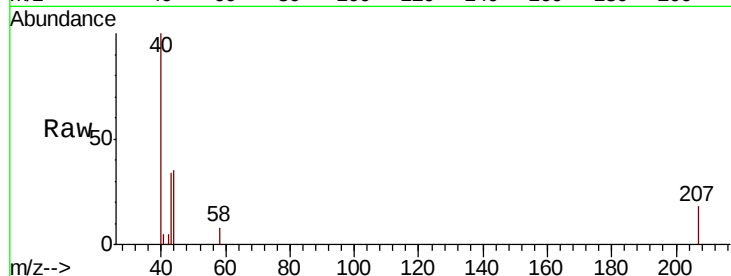
ClientSampleId :

Tot Ion: 43 Resp: 3023

Ion Ratio Lower Upper

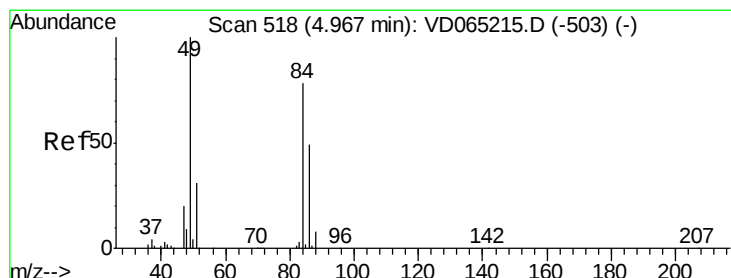
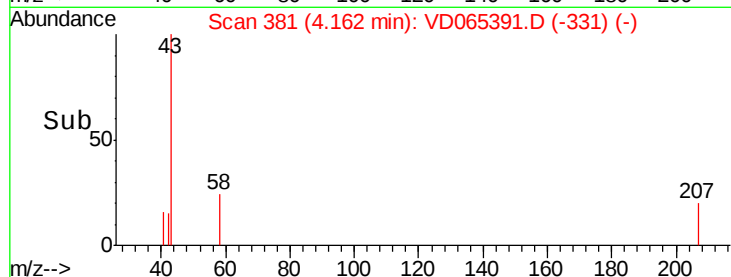
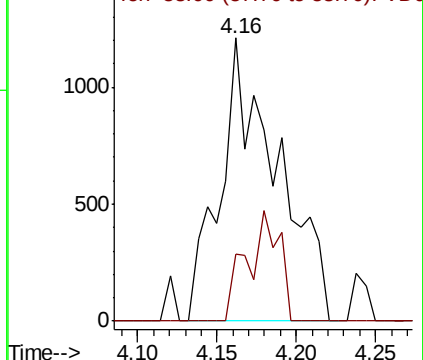
43 100

58 23.8 26.2 39.2#



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: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

Tgt Ion: 84 Resp: 16014

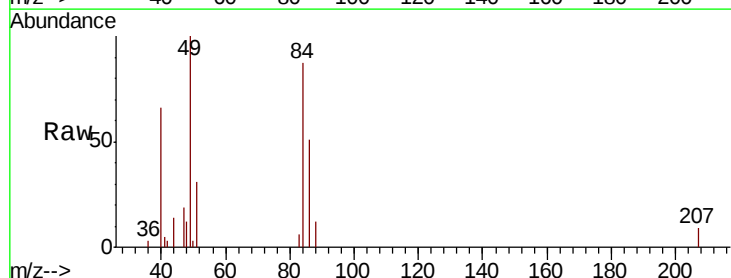
Ion Ratio Lower Upper

84 100

49 115.2 103.1 154.7

51 35.7 31.7 47.5

86 59.2 50.9 76.3

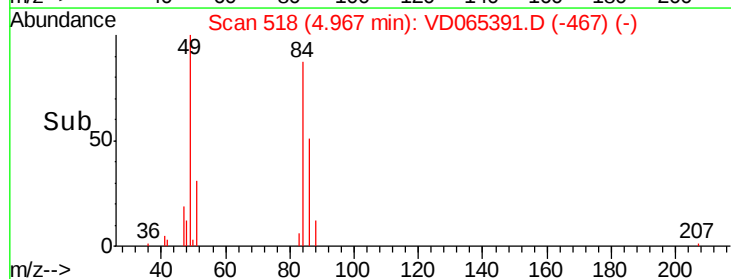
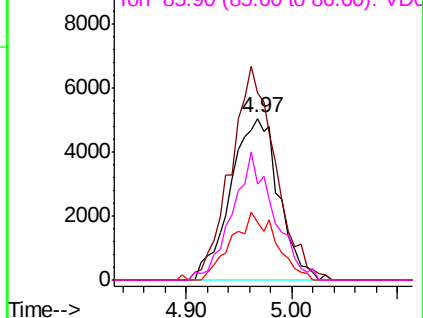


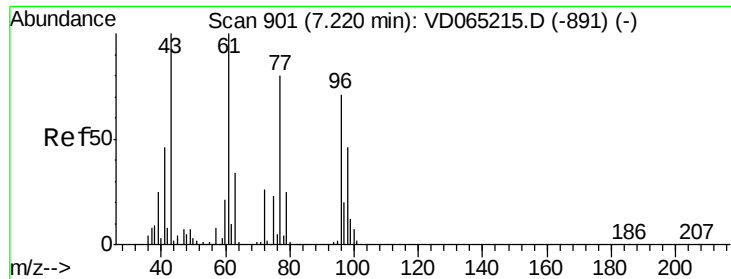
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.214 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

Instrument :

MSVOA_D

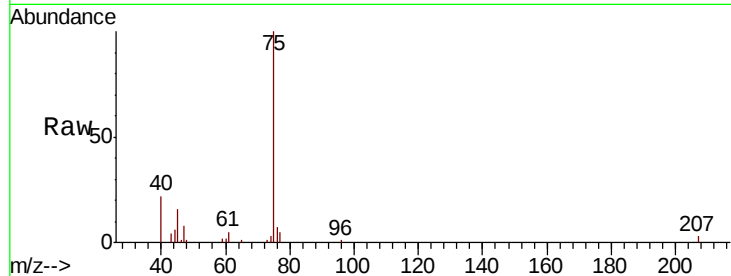
ClientSampleId :

Tot Ion: 43 Resp: 1710

Ion Ratio Lower Upper

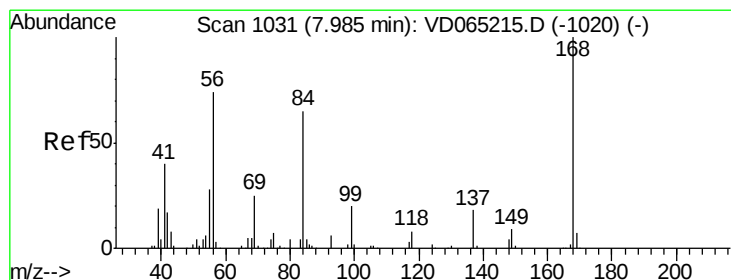
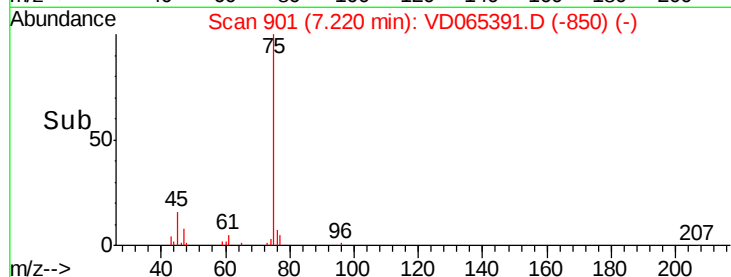
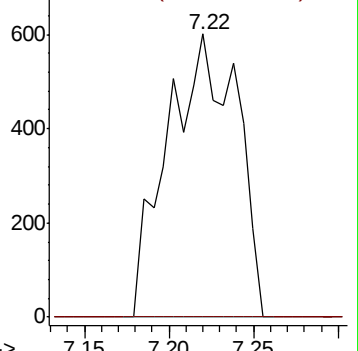
43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

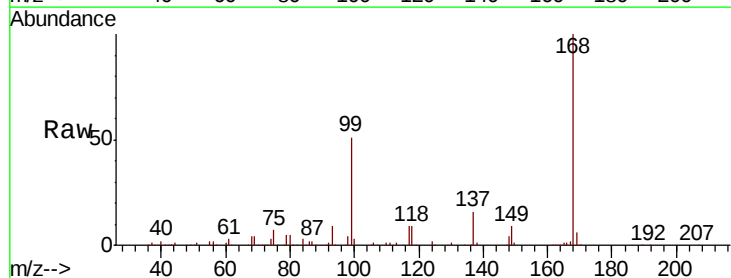
Tgt Ion: 56 Resp: 10611

Ion Ratio Lower Upper

56 100

69 168.1 27.4 41.0#

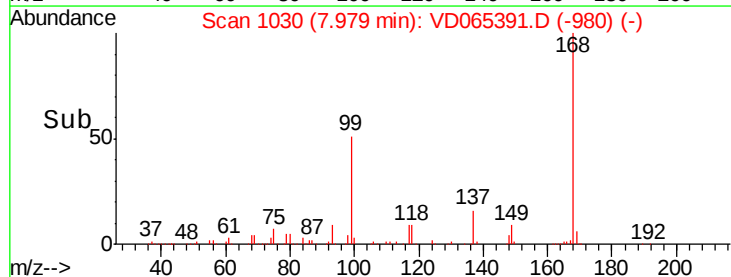
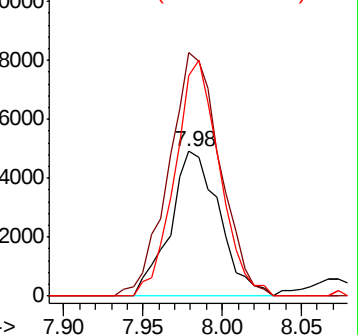
84 157.9 71.1 106.7#

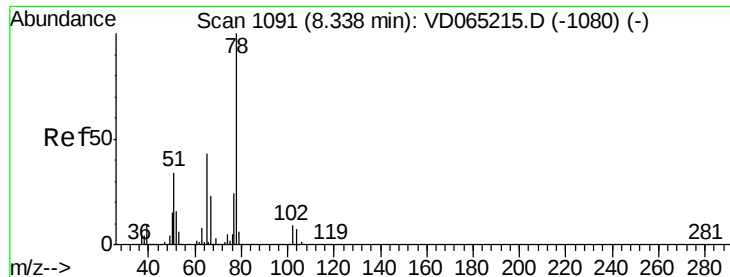


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

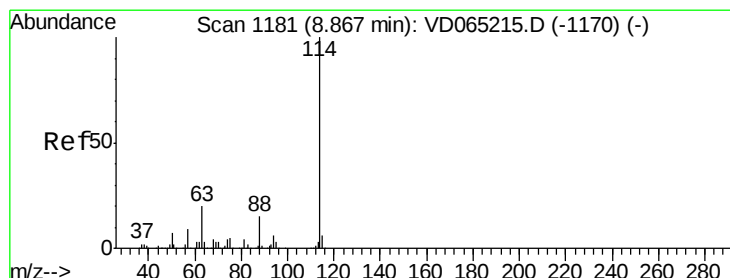
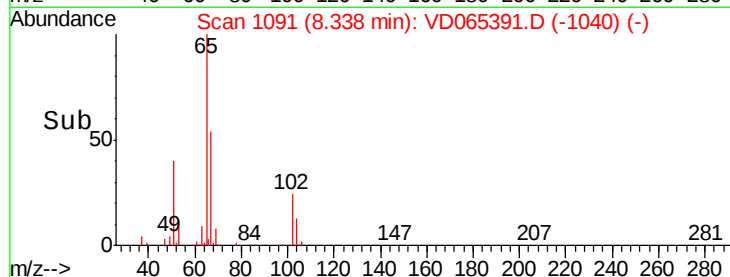
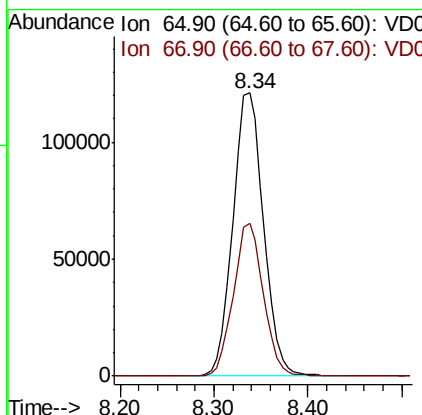
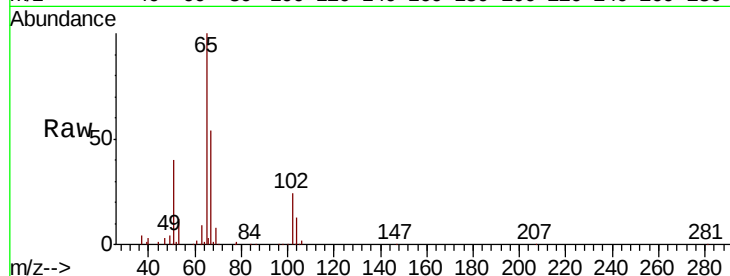




#33
 1,2-Dichloroethane-d4
 Concen: 60.263 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065391.D
 Acq: 03 Mar 2020 13:40

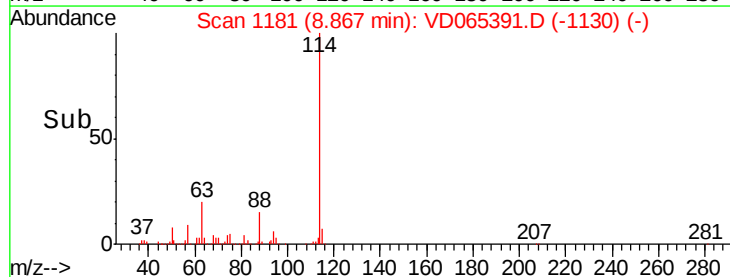
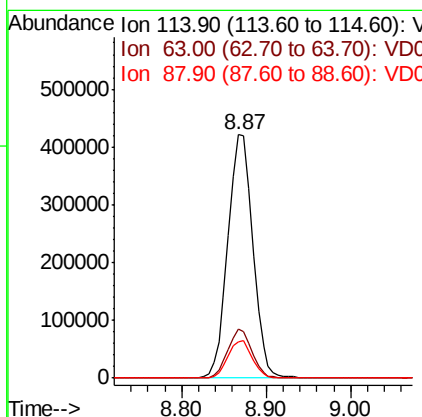
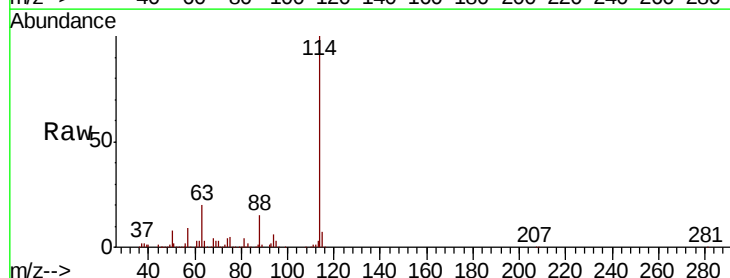
Instrument :
 MSVOA_D
 ClientSampleId :

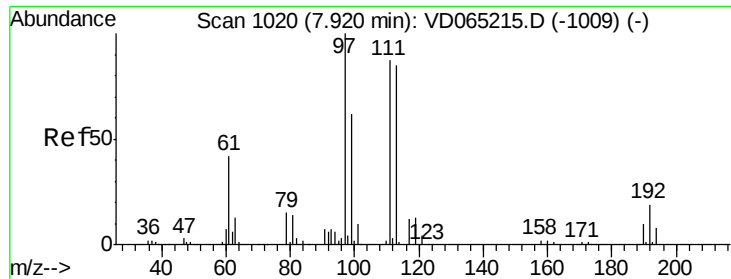
Tot Ion: 65 Resp: 274530
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065391.D
 Acq: 03 Mar 2020 13:40

Tgt Ion: 114 Resp: 860395
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.1 0.0 30.4

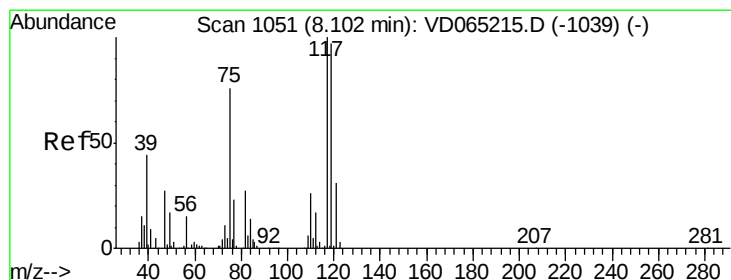
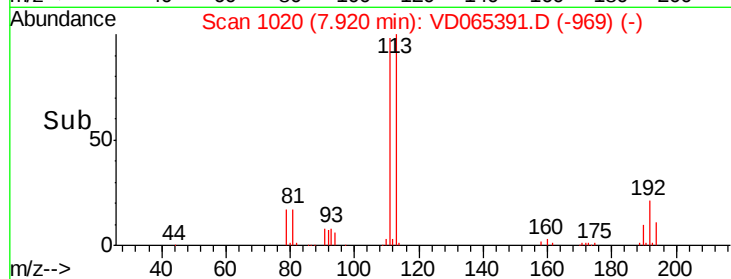
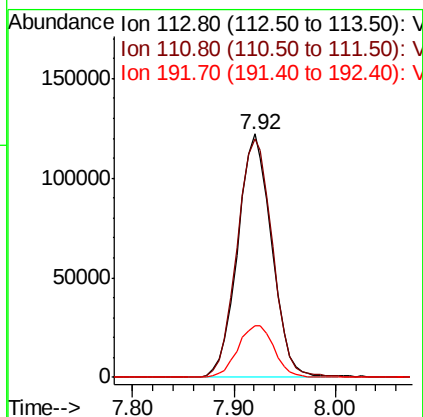
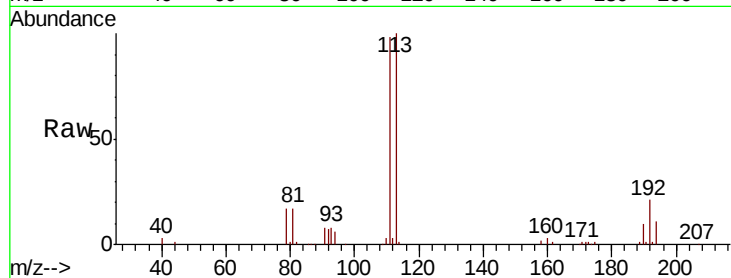




#35
Dibromofluoromethane
Concen: 54.323 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065391.D
Acq: 03 Mar 2020 13:40

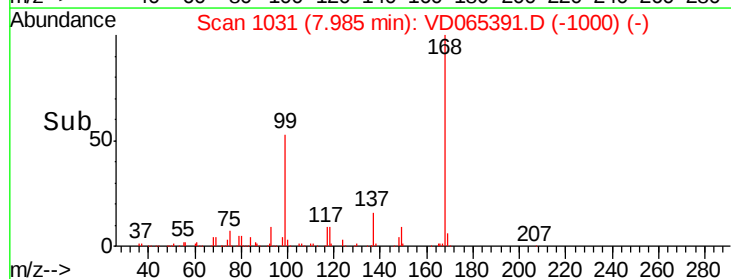
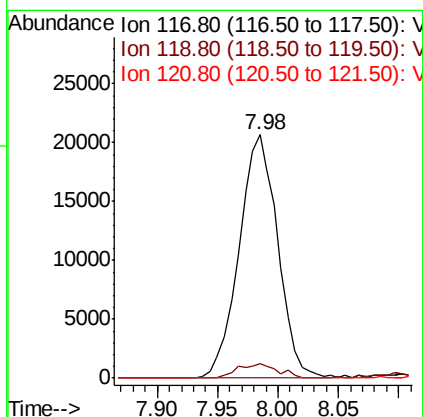
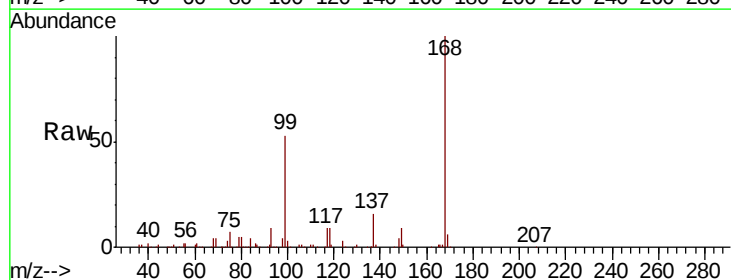
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	22.5	17.3	25.9



#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065391.D
Acq: 03 Mar 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.6	116.4#
121	0.0	24.8	37.2#

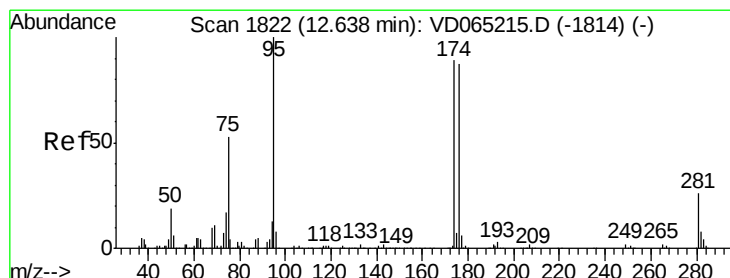
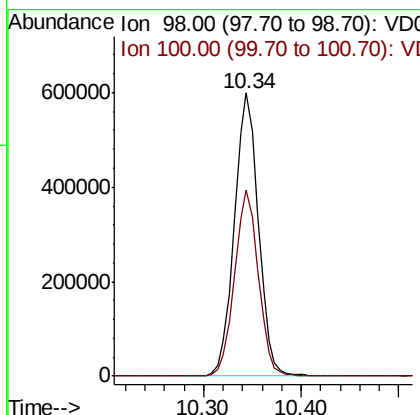
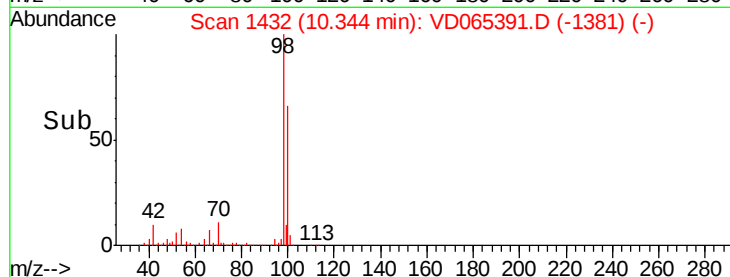
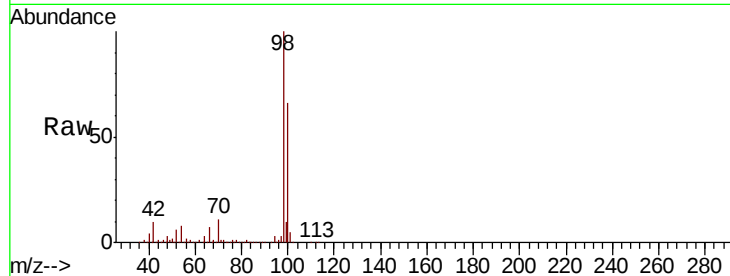




#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065391.D
Acq: 03 Mar 2020 13:40

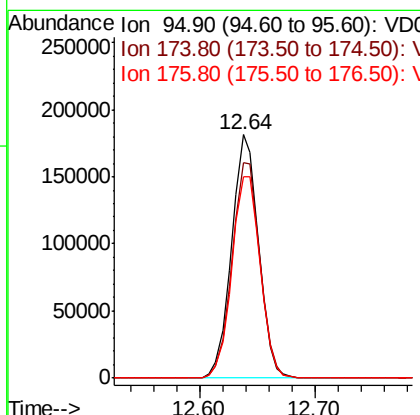
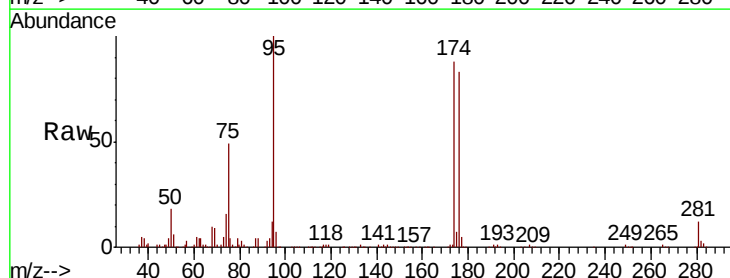
Instrument :
MSVOA_D
ClientSampleId :

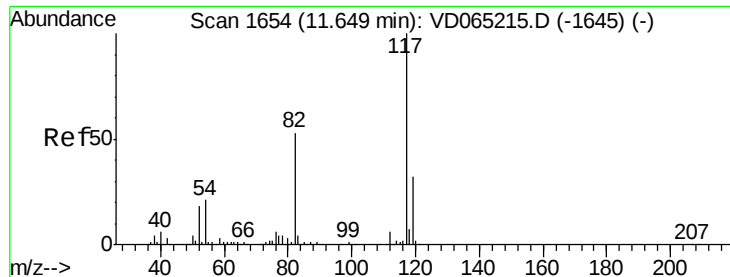
Tot Ion: 98 Resp: 1026977
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.035 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065391.D
Acq: 03 Mar 2020 13:40

Tgt Ion: 95 Resp: 292484
Ion Ratio Lower Upper
95 100
174 91.8 0.0 178.0
176 87.4 0.0 174.4

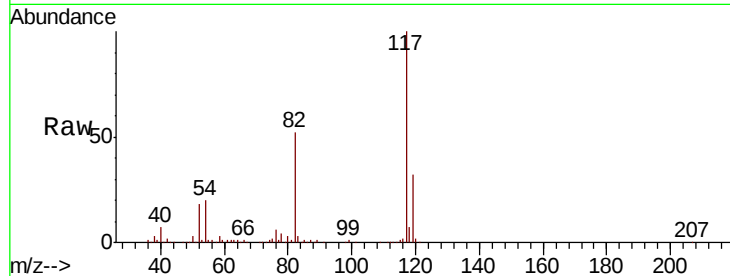




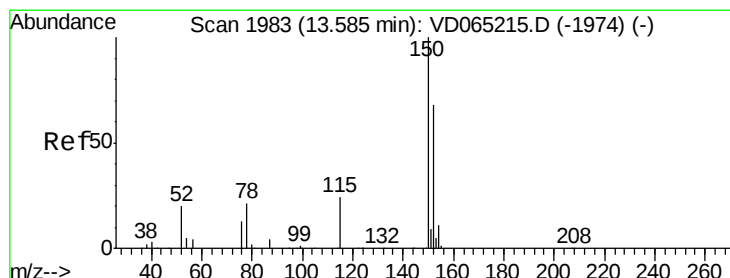
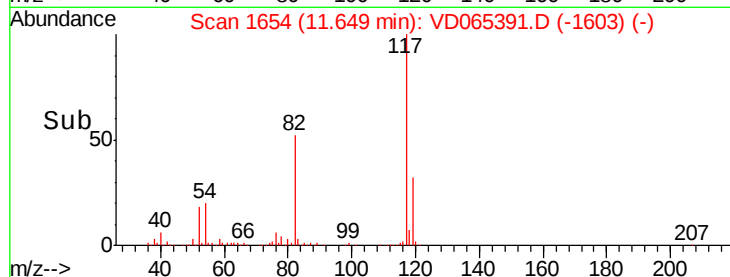
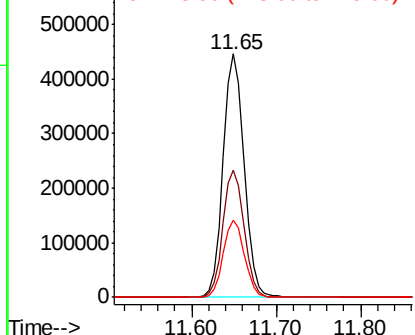
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065391.D
Acq: 03 Mar 2020 13:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 767722
Ion Ratio Lower Upper
117 100
82 52.3 42.7 64.1
119 31.7 25.5 38.3

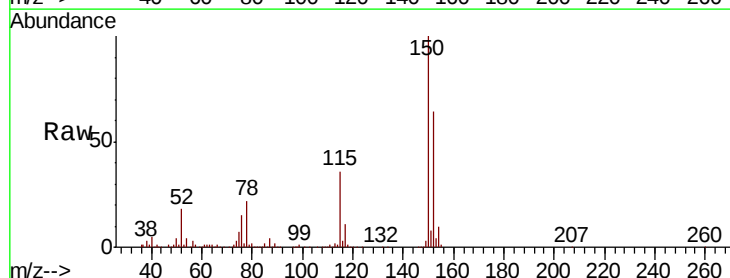


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

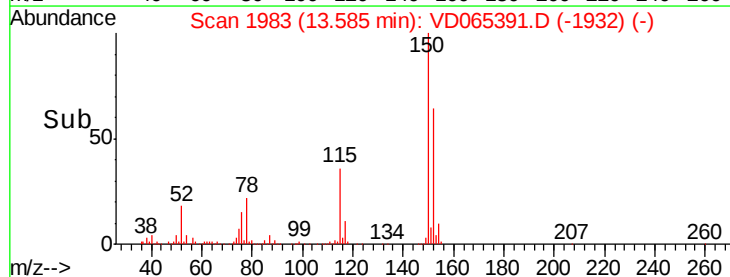
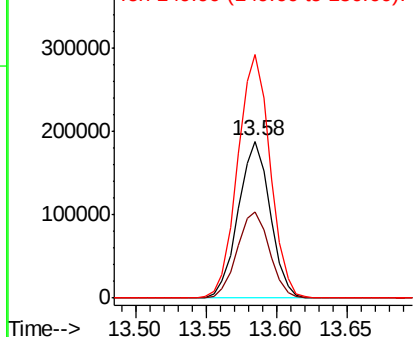


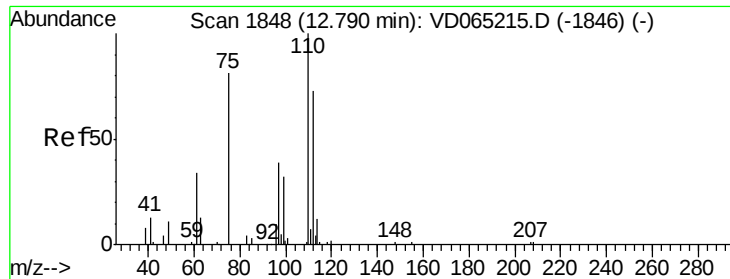
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065391.D
Acq: 03 Mar 2020 13:40

Tgt Ion:152 Resp: 297608
Ion Ratio Lower Upper
152 100
115 55.8 27.6 82.8
150 158.1 0.0 347.4



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: 56.617 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

Instrument :

MSVOA_D

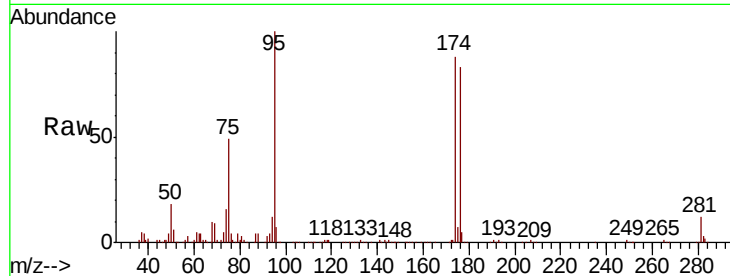
ClientSampled :

Tot Ion: 75 Resp: 143363

Ion Ratio Lower Upper

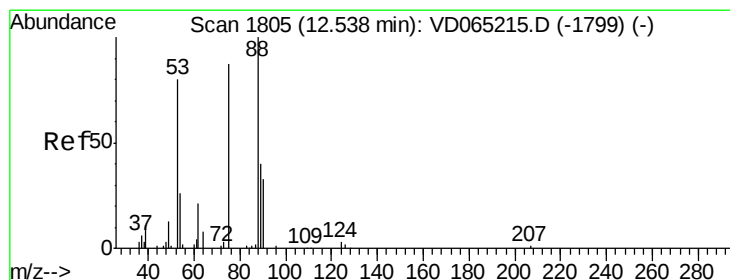
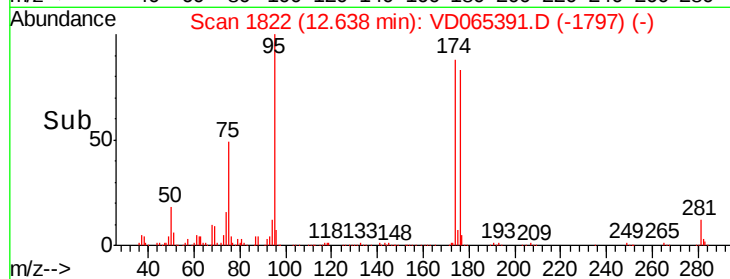
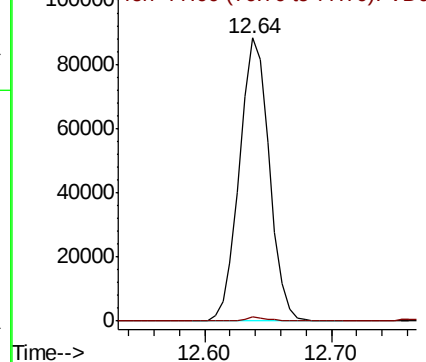
75 100

77 1.3 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: 122.247 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

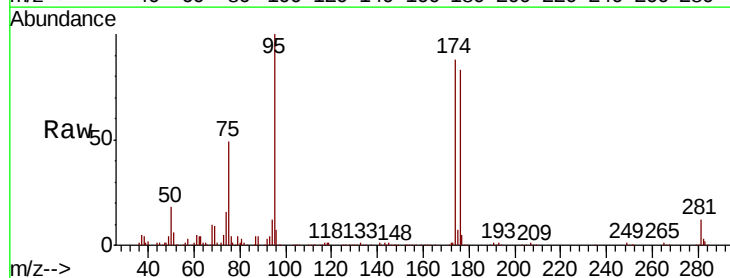
Tgt Ion: 75 Resp: 143363

Ion Ratio Lower Upper

75 100

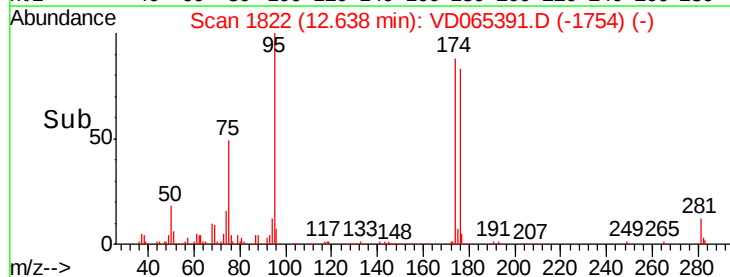
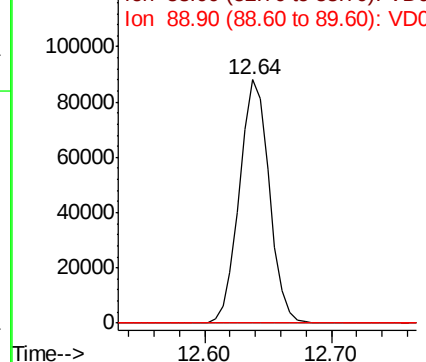
53 0.1 77.6 116.4#

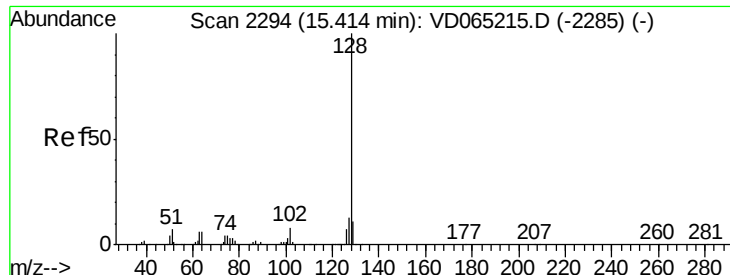
89 0.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC





#95

Naphthalene

Concen: 1.418 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

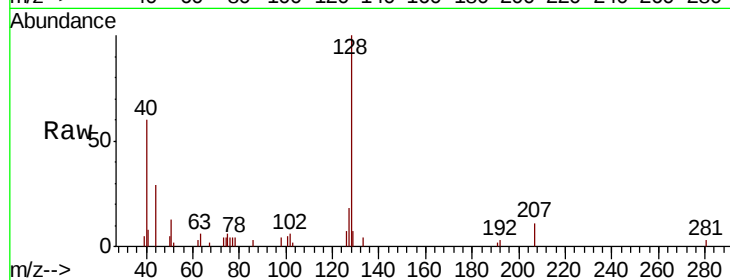
Lab File: VD065391.D

Acq: 03 Mar 2020 13:40

Instrument :

MSVOA_D

ClientSampleId :



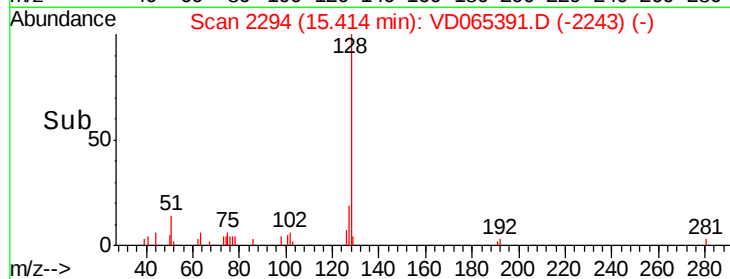
Tot Ion:128 Resp: 12247

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.1 8.8 13.2



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

