

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
 Data File : VD065373.D
 Acq On : 02 Mar 2020 12:16
 Operator : VA/SY
 Sample : L1369-01
 Misc : 6.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-022820

Quant Time: Mar 02 13:24:29 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	605895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	989037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	887425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	412231	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	285967	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
35) Dibromofluoromethane	7.92	113	312607	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	10.34	98	1189916	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.64	95	364922	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

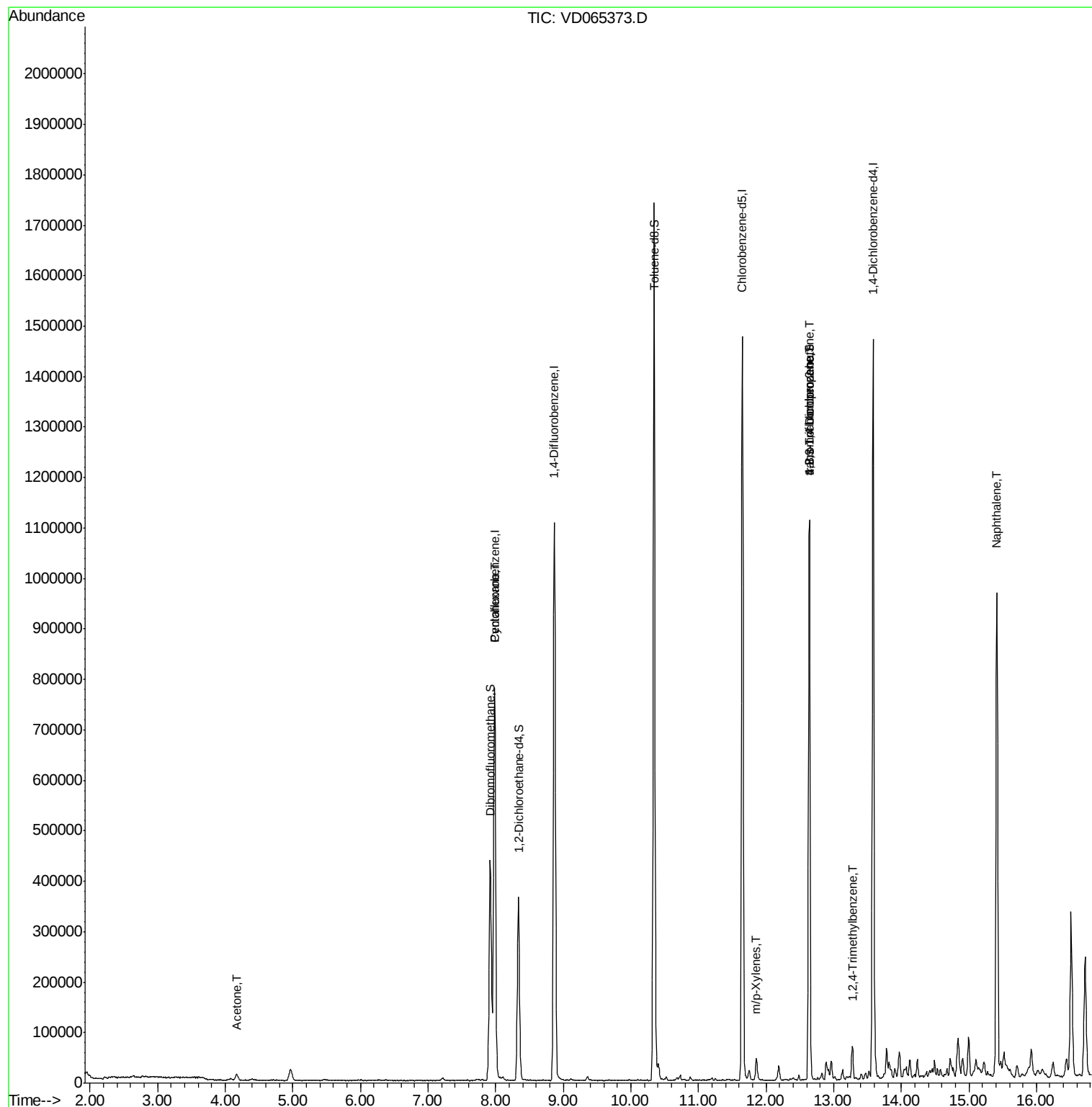
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	146	Below Cal	#	14
16) Acetone	4.17	43	19665	14.76	ug/l	95
20) Methylene Chloride	4.96	84	16869	Below Cal	#	78
31) Cyclohexane	7.98	56	13021	1.21	ug/l	# 8
68) m/p-Xylenes	11.86	106	13134	1.10	ug/l	93
76) 1,2,3-Trichloropropane	12.64	75	177064	50.48	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	177064	109.00	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.28	105	36993	1.64	ug/l	98
95) Naphthalene	15.41	128	854243	71.41	ug/l	100

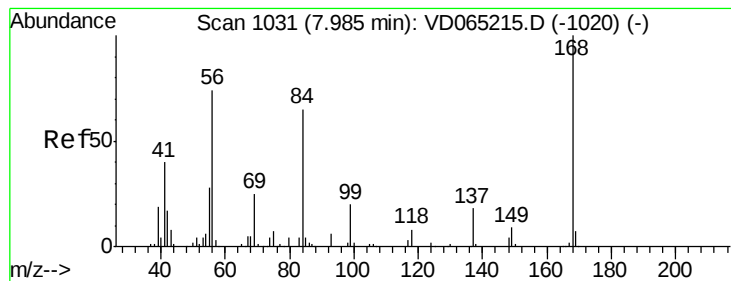
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065373.D

Acq: 02 Mar 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

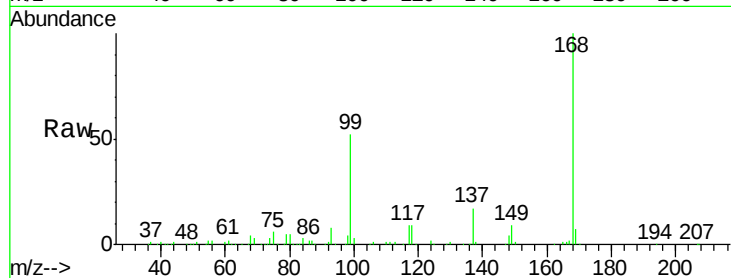
PL-02-022820

Tgt Ion:168 Resp: 605895

Ion Ratio Lower Upper

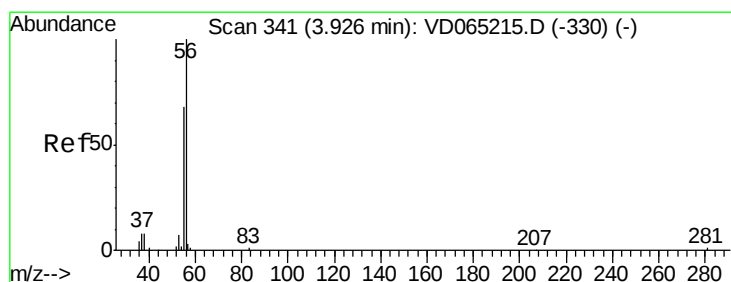
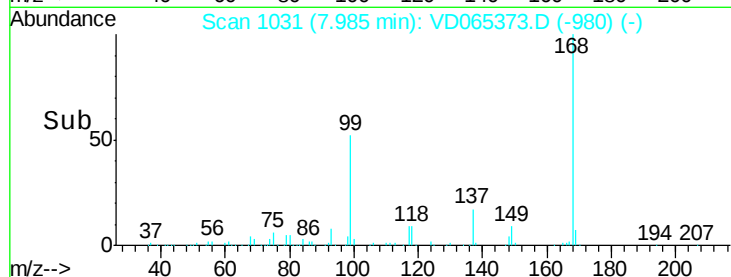
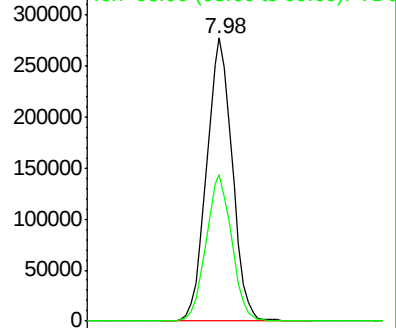
168 100

99 51.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.64 min Scan# 293

Delta R.T. -0.28 min

Lab File: VD065373.D

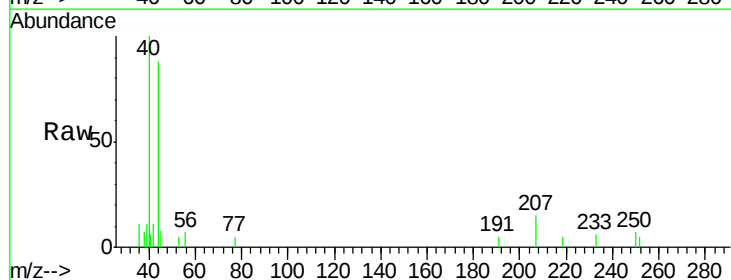
Acq: 02 Mar 2020 12:16

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

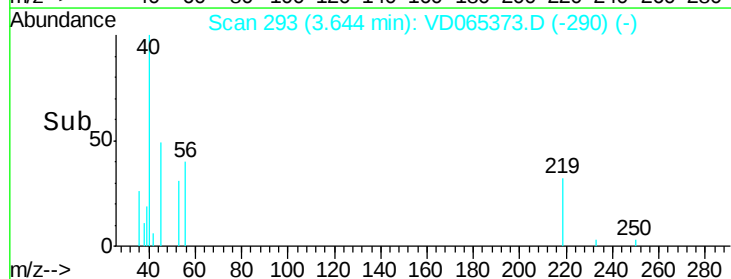
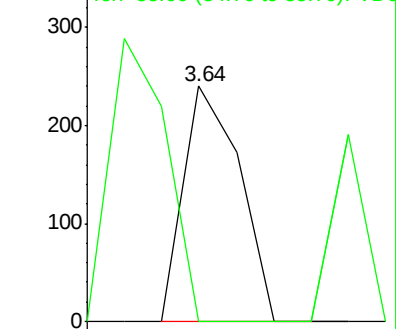
56 100

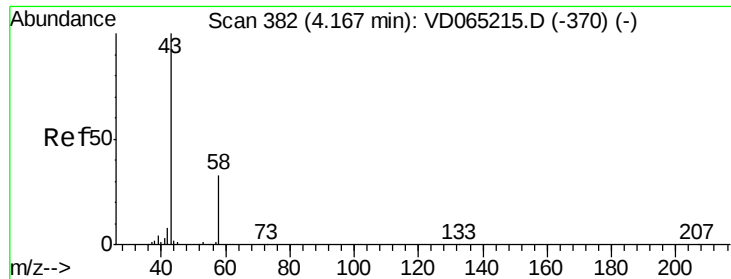
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 14.76 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065373.D

Acq: 02 Mar 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

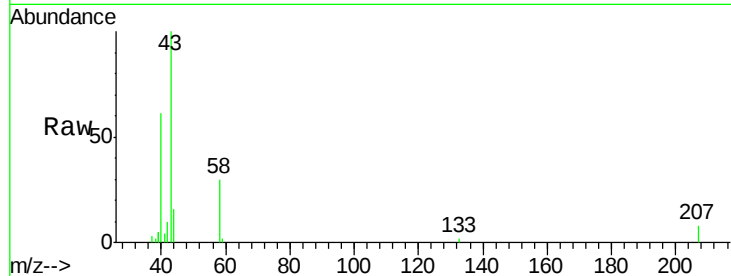
PL-02-022820

Tgt Ion: 43 Resp: 19665

Ion Ratio Lower Upper

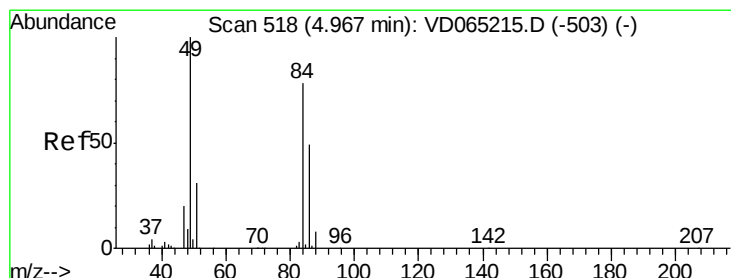
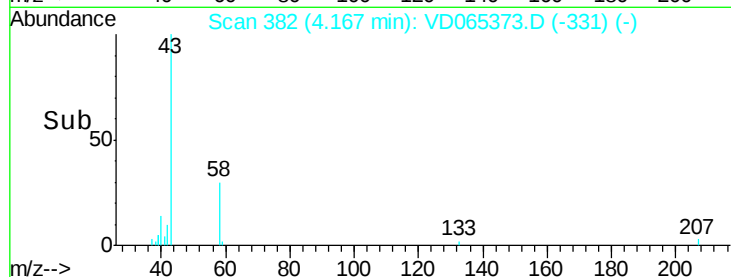
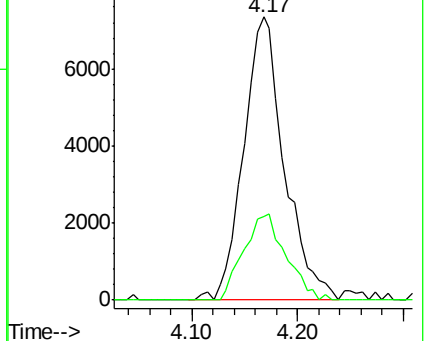
43 100

58 29.7 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: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065373.D

Acq: 02 Mar 2020 12:16

Tgt Ion: 84 Resp: 16869

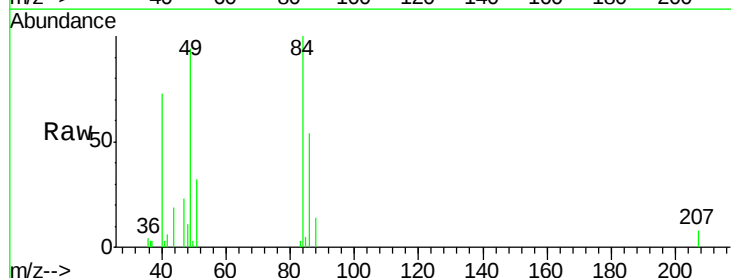
Ion Ratio Lower Upper

84 100

49 94.2 103.1 154.7#

51 31.6 31.7 47.5#

86 54.4 50.9 76.3

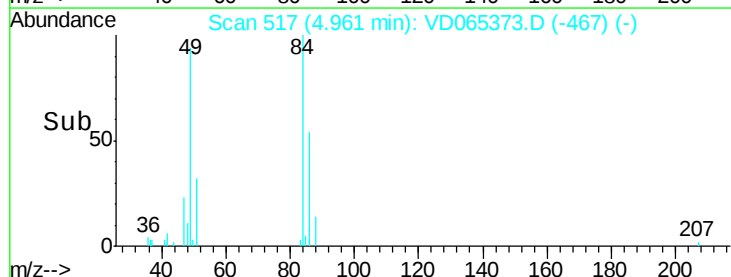
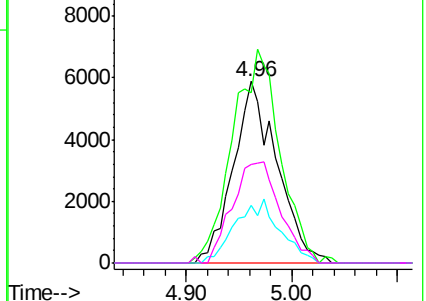


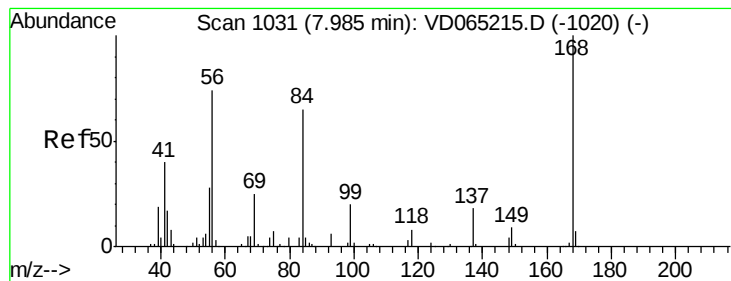
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.21 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065373.D

Acq: 02 Mar 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

PL-02-022820

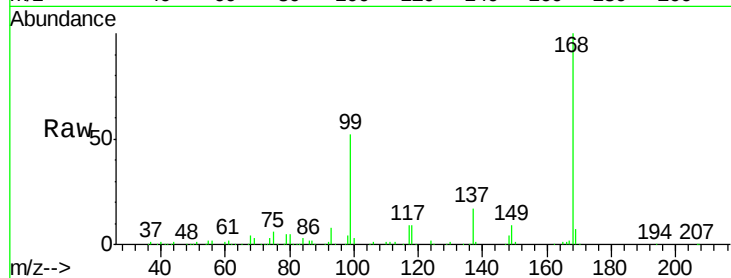
Tgt Ion: 56 Resp: 13021

Ion Ratio Lower Upper

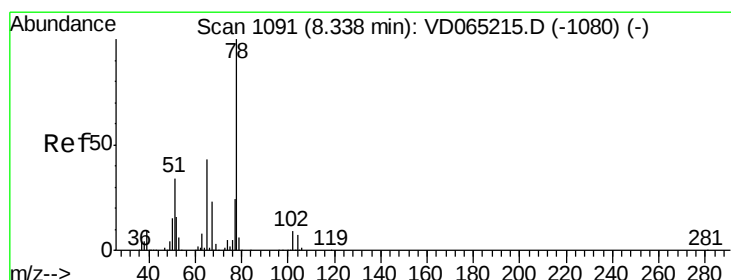
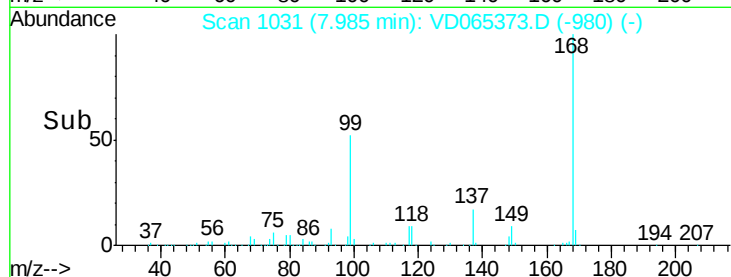
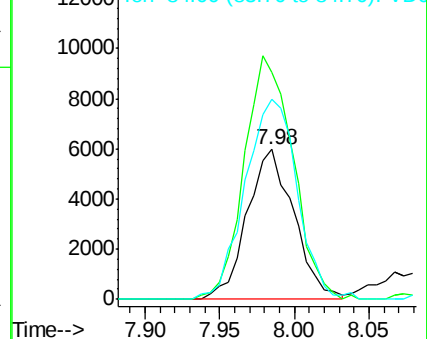
56 100

69 151.4 27.4 41.0#

84 134.1 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: 52.46 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065373.D

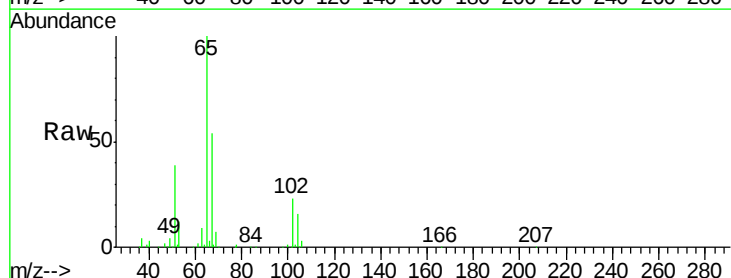
Acq: 02 Mar 2020 12:16

Tgt Ion: 65 Resp: 285967

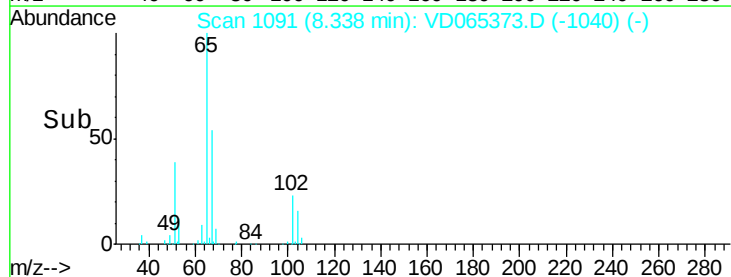
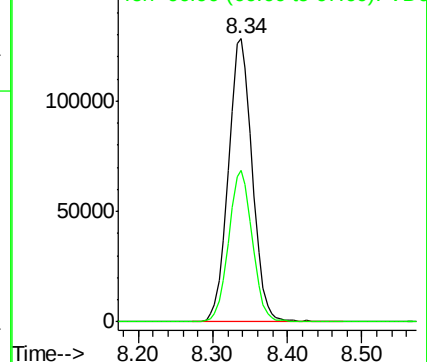
Ion Ratio Lower Upper

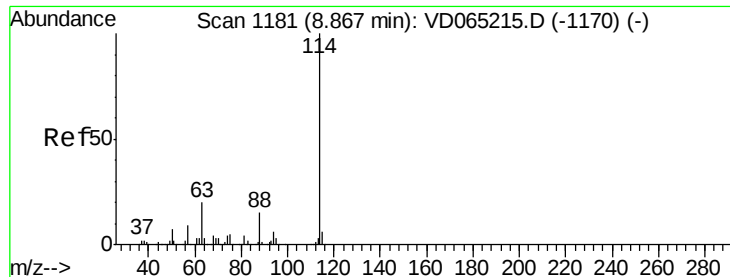
65 100

67 52.9 0.0 106.8



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

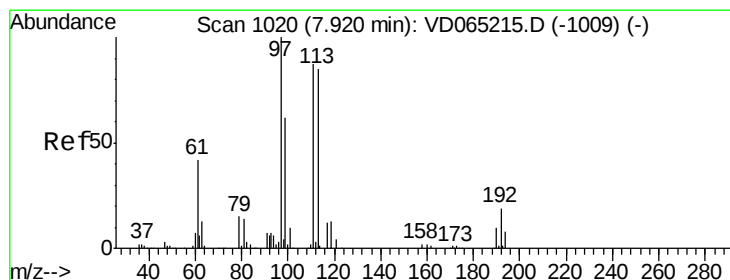
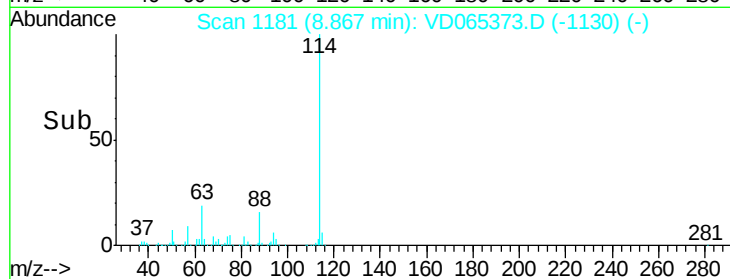
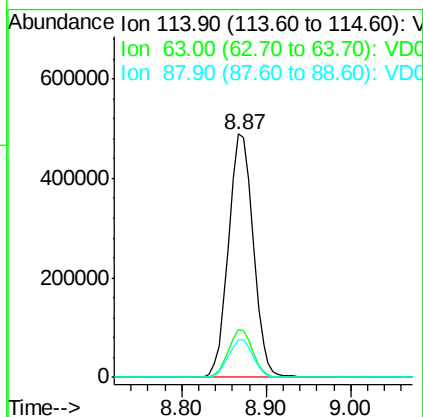
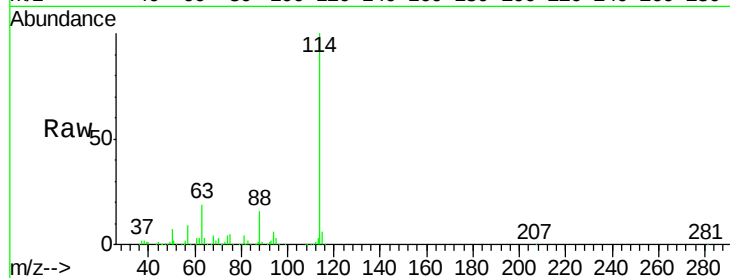




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065373.D
 Acq: 02 Mar 2020 12:16

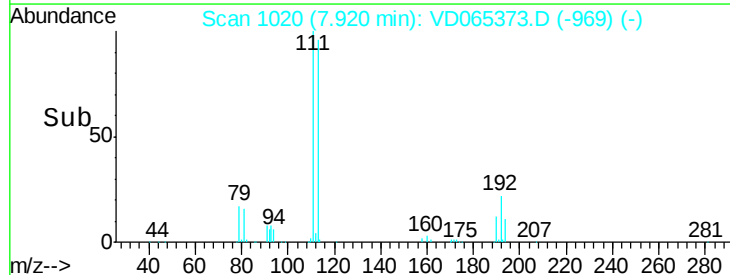
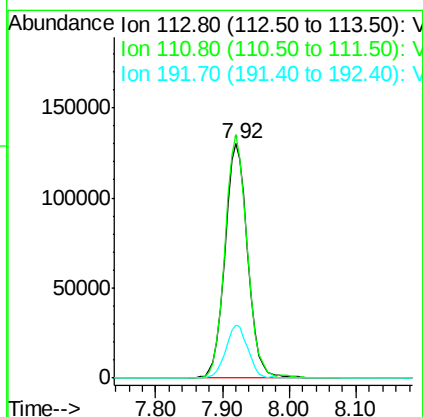
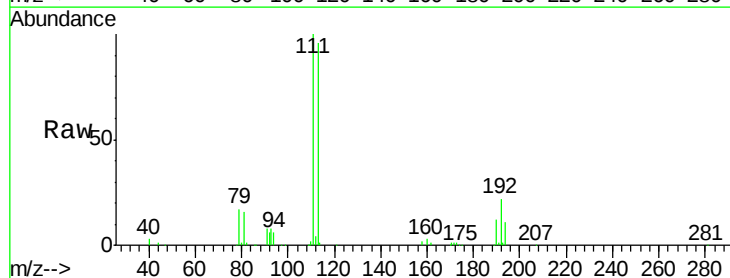
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-022820

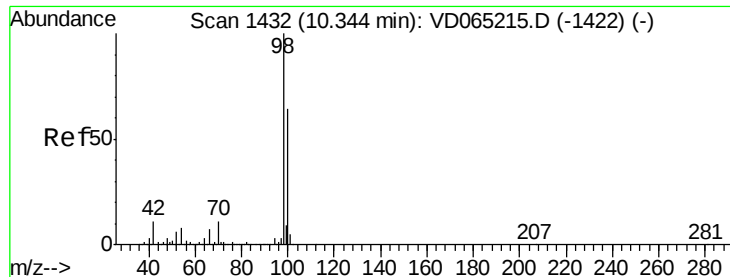
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.5	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.84 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065373.D
 Acq: 02 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	22.2	17.3	25.9

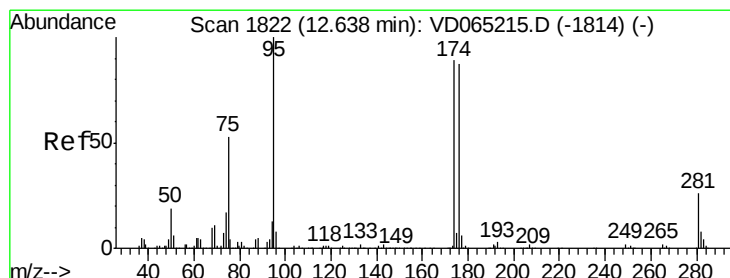
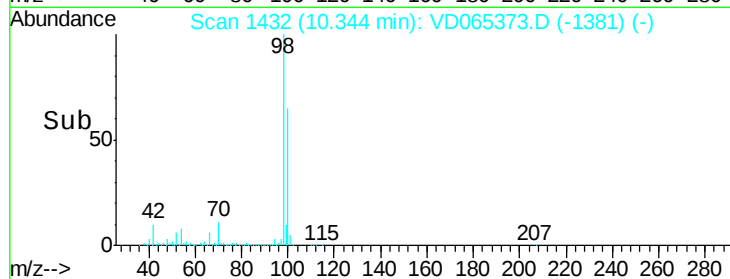
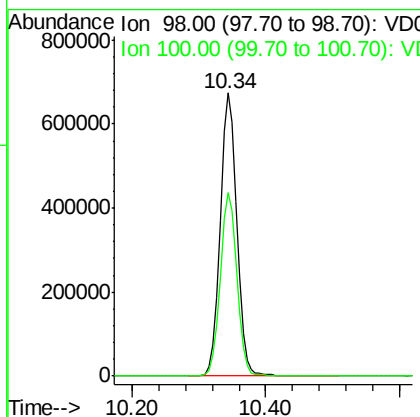
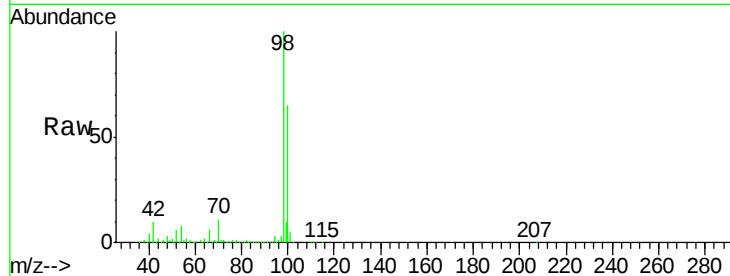




#50
Toluene-d8
Concen: 51.61 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065373.D
Acq: 02 Mar 2020 12:16

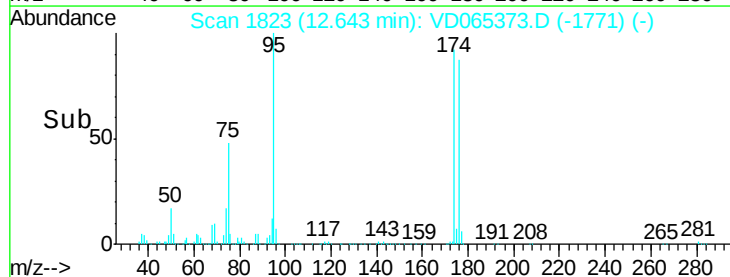
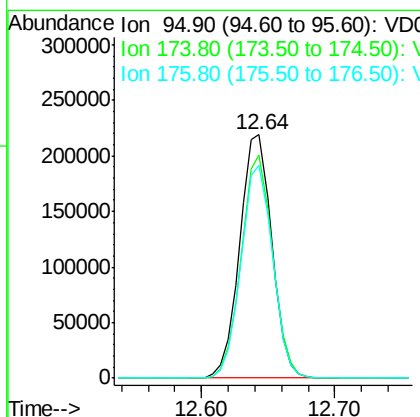
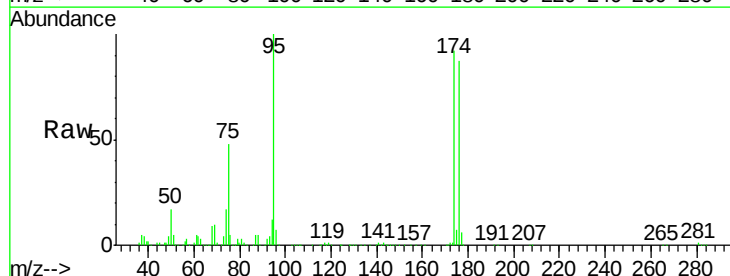
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MSVOA_D
ClientSampleId :
PL-02-022820

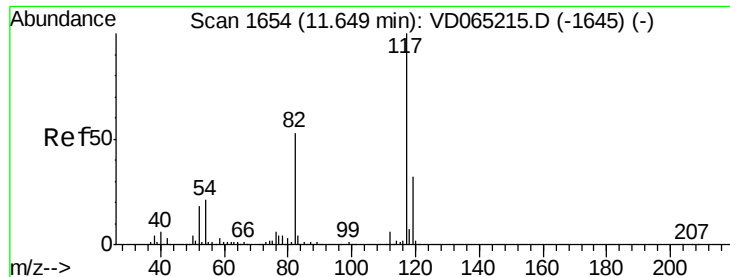
Tgt Ion: 98 Resp: 1189916
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.97 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065373.D
Acq: 02 Mar 2020 12:16

Tgt Ion: 95 Resp: 364922
Ion Ratio Lower Upper
95 100
174 89.4 0.0 178.0
176 85.9 0.0 174.4

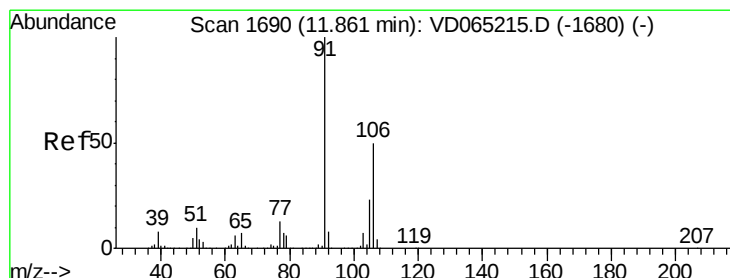
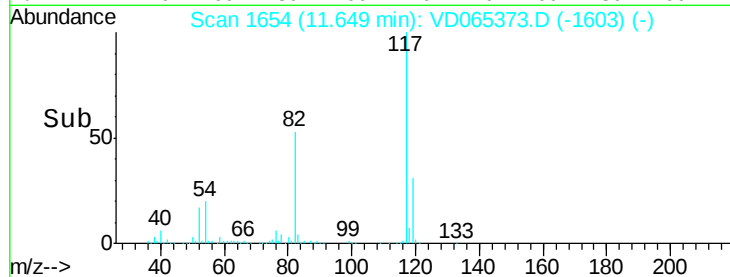
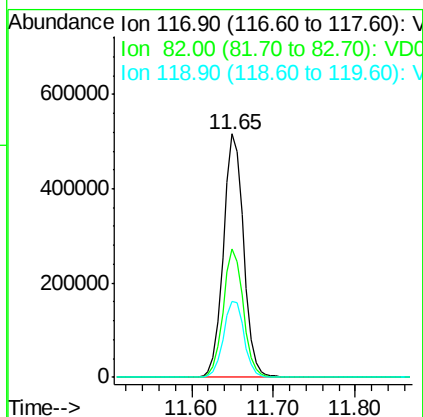
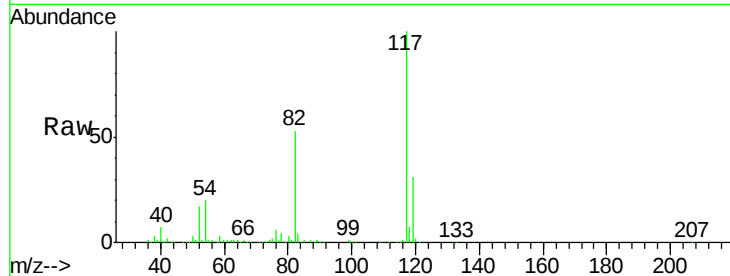




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065373.D
Acq: 02 Mar 2020 12:16

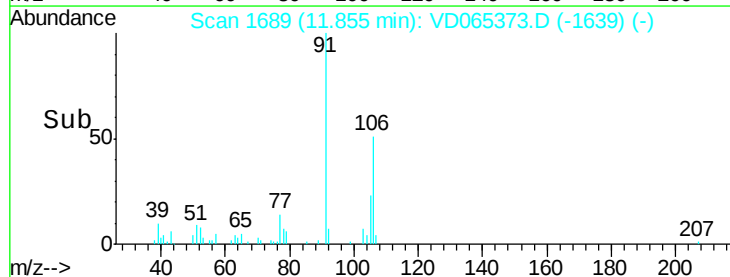
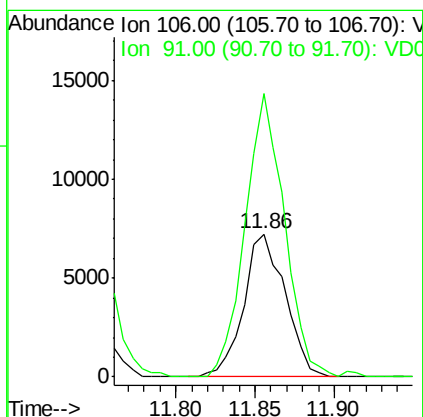
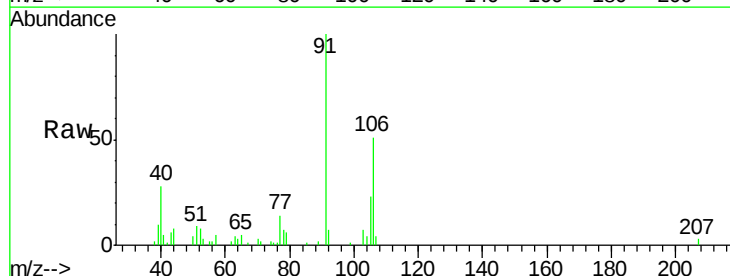
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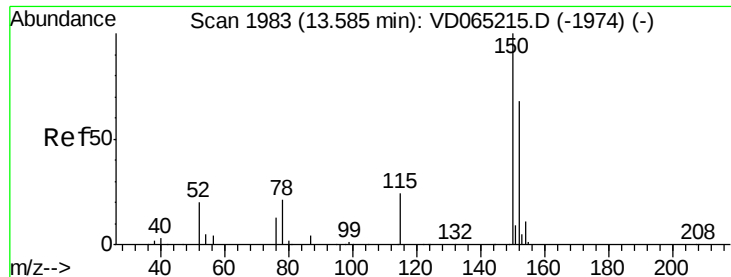
Tgt Ion:117 Resp: 887425
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 1.10 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065373.D
Acq: 02 Mar 2020 12:16

Tgt Ion:106 Resp: 13134
Ion Ratio Lower Upper
106 100
91 187.7 158.2 237.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065373.D

Acq: 02 Mar 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

PL-02-022820

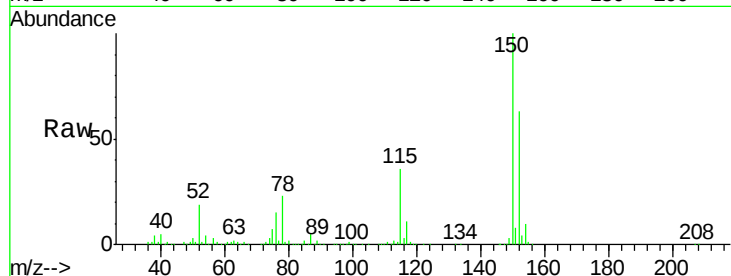
Tgt Ion:152 Resp: 412231

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.8

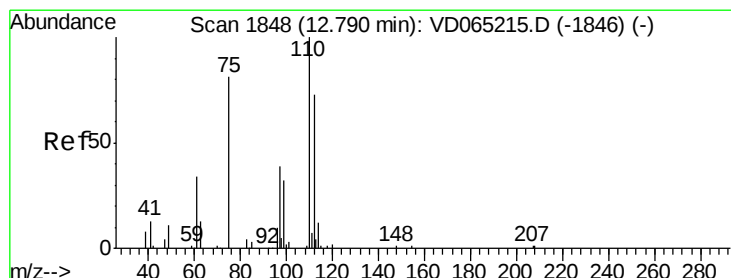
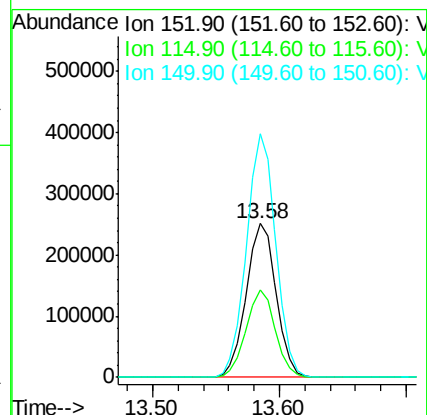
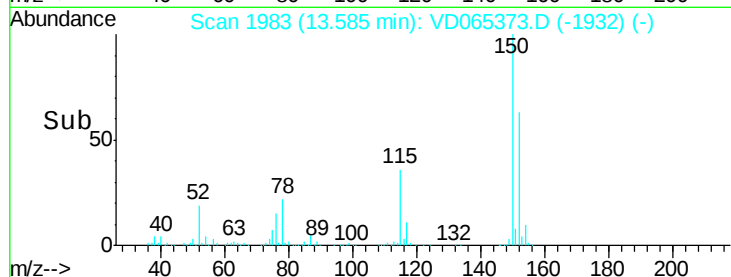
150 155.0 0.0 347.4



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: 50.48 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065373.D

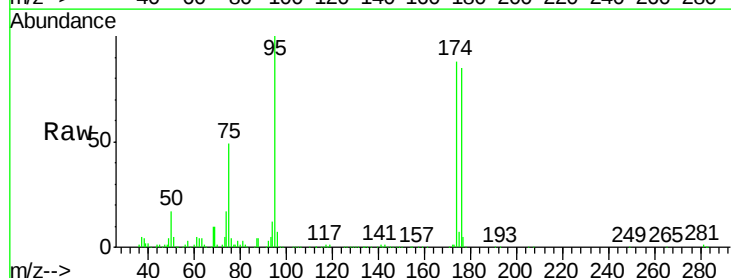
Acq: 02 Mar 2020 12:16

Tgt Ion: 75 Resp: 177064

Ion Ratio Lower Upper

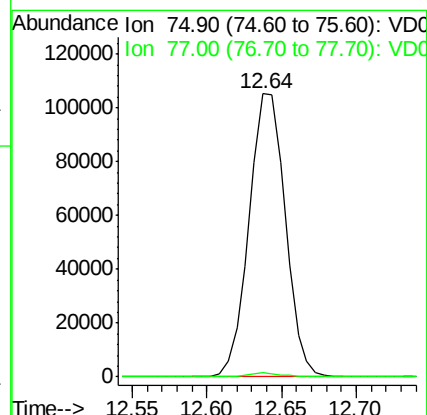
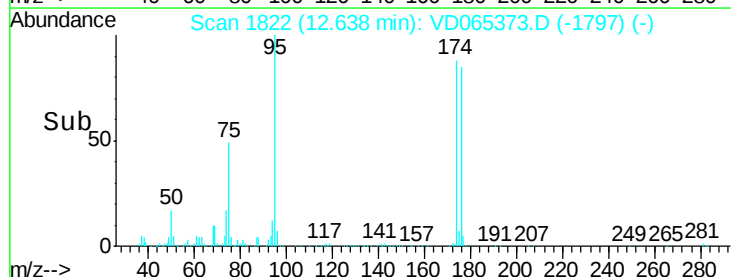
75 100

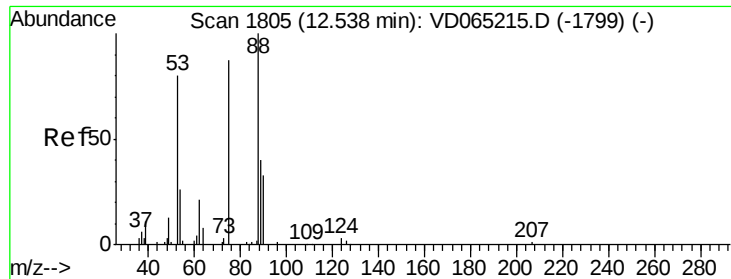
77 1.2 0.0 0.0#



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: 109.00 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065373.D

Acq: 02 Mar 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

PL-02-022820

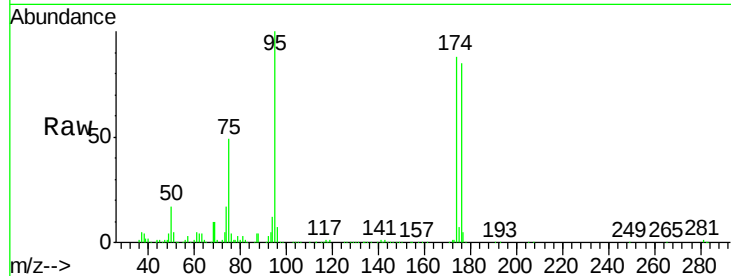
Tgt Ion: 75 Resp: 177064

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

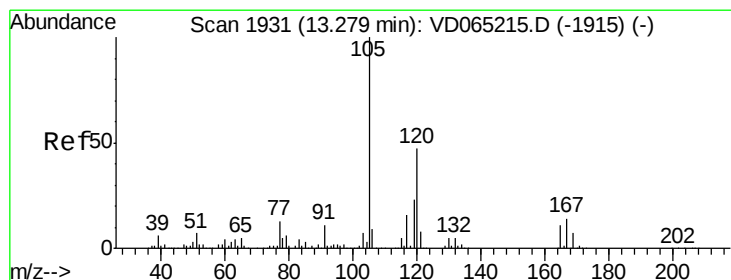
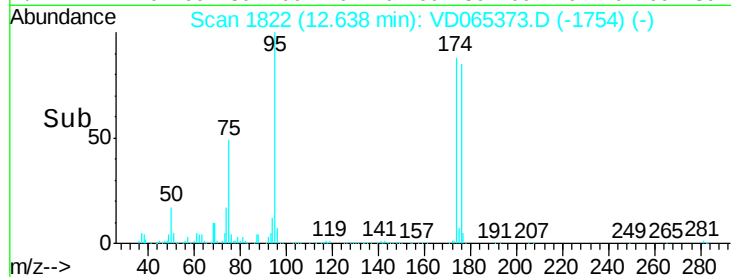
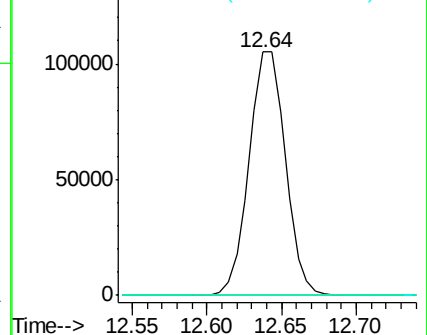
89 0.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 1.64 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065373.D

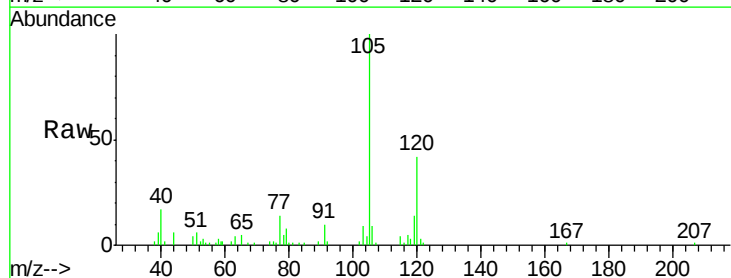
Acq: 02 Mar 2020 12:16

Tgt Ion: 105 Resp: 36993

Ion Ratio Lower Upper

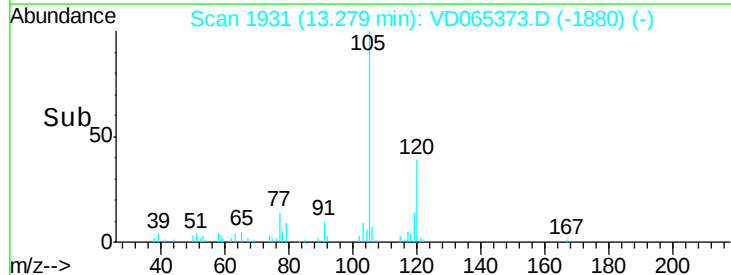
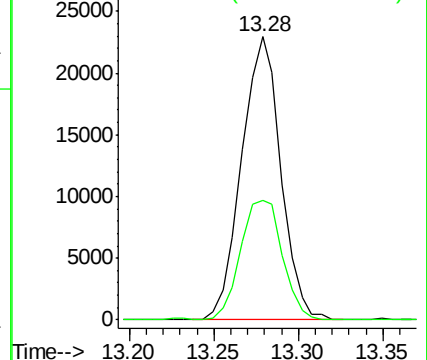
105 100

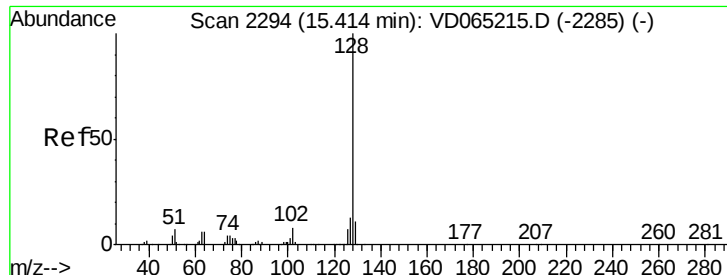
120 45.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 71.41 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065373.D

Acq: 02 Mar 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

PL-02-022820

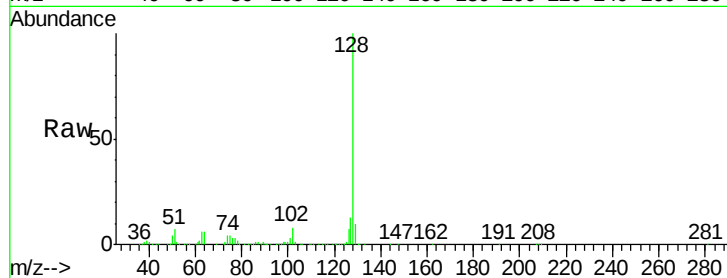
Tgt Ion:128 Resp: 854243

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.0 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

