

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
 Data File : VD065374.D
 Acq On : 02 Mar 2020 12:44
 Operator : VA/SY
 Sample : L1372-06
 Misc : 8.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-022820

Quant Time: Mar 02 13:24:38 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	603351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	996562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	892092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	420201	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	284042	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
35) Dibromofluoromethane	7.92	113	311854	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
50) Toluene-d8	10.34	98	1188180	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.64	95	366471	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	

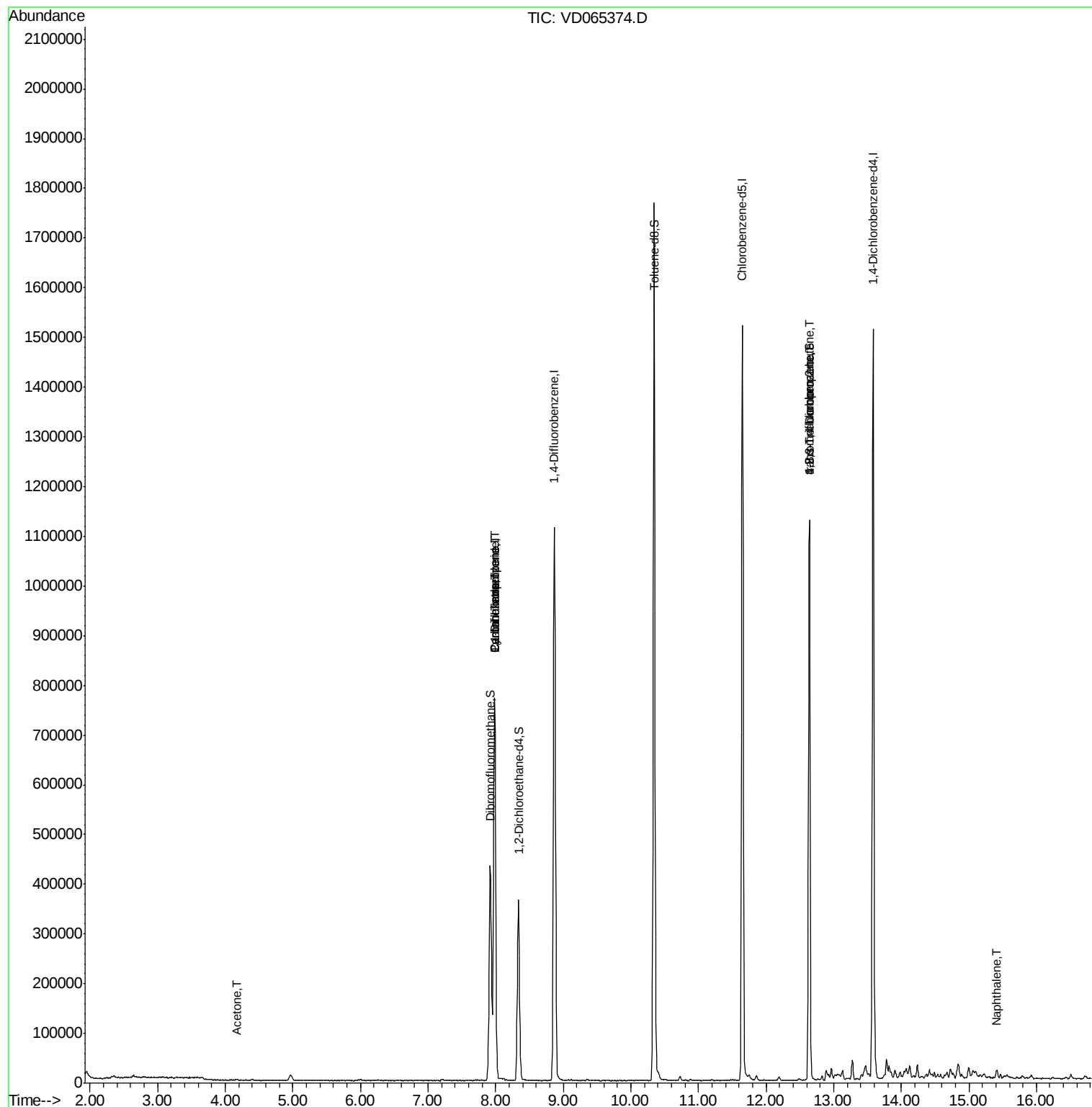
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.93	56	129	Below Cal	#	14
16) Acetone	4.17	43	3060	2.31	ug/l #	79
20) Methylene Chloride	4.96	84	8534	Below Cal	#	79
31) Cyclohexane	7.98	56	12150	1.14	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	41864	4.32	ug/l #	49
38) Carbon Tetrachloride	7.98	117	56764	5.75	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	177743	49.72	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	177743	107.34	ug/l #	11
95) Naphthalene	15.42	128	15640	1.28	ug/l	98

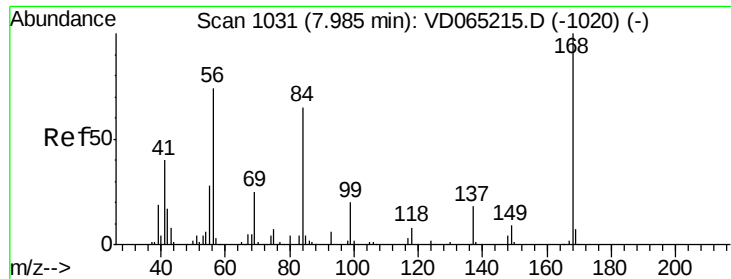
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065374.D

Acq: 02 Mar 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

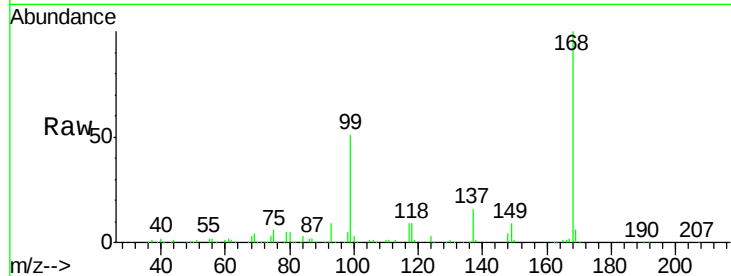
SU-03-022820

Tgt Ion:168 Resp: 603351

Ion Ratio Lower Upper

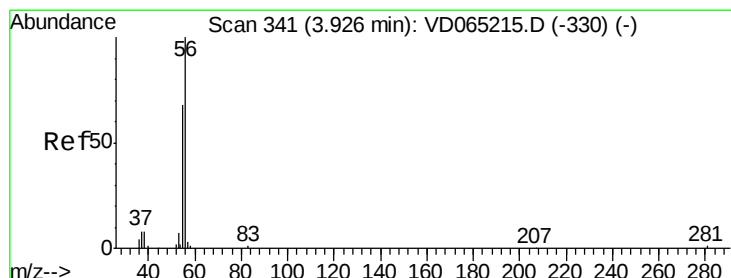
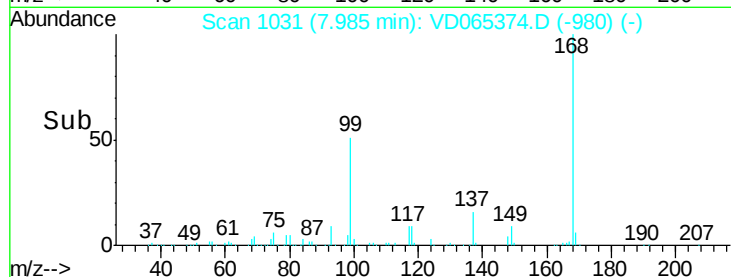
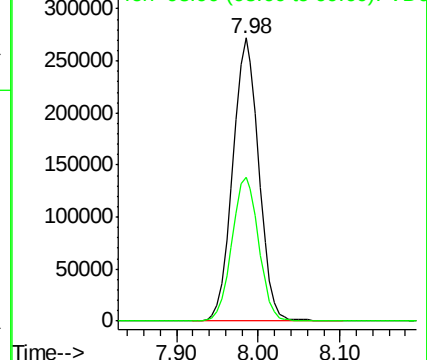
168 100

99 50.9 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: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065374.D

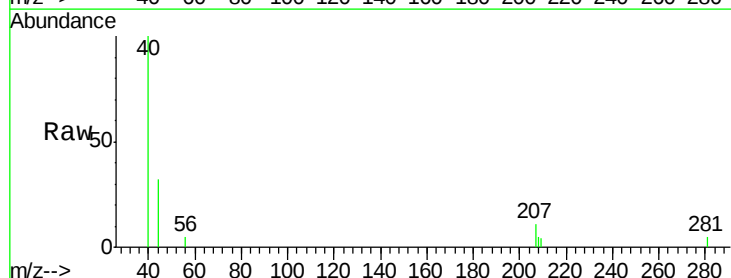
Acq: 02 Mar 2020 12:44

Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

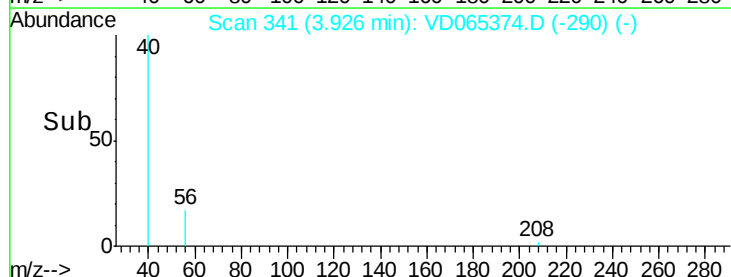
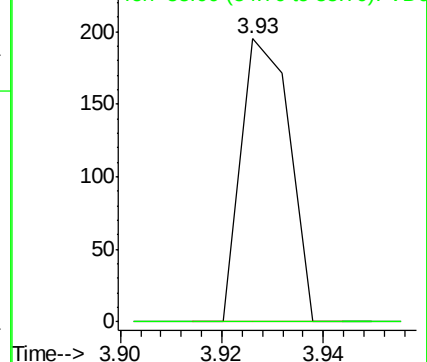
56 100

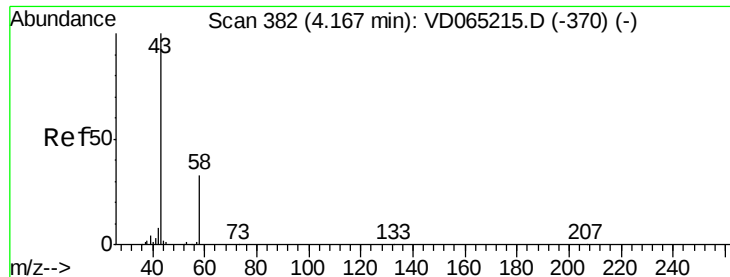
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.31 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065374.D

Acq: 02 Mar 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

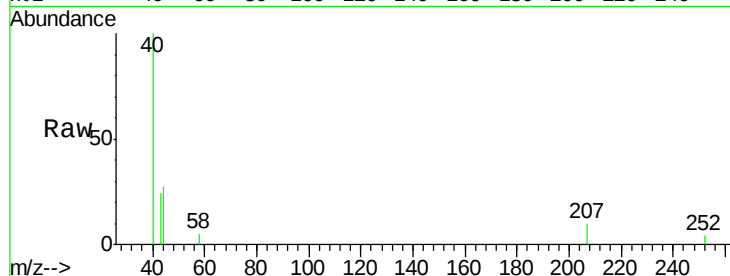
SU-03-022820

Tgt Ion: 43 Resp: 3060

Ion Ratio Lower Upper

43 100

58 20.9 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1000

800

600

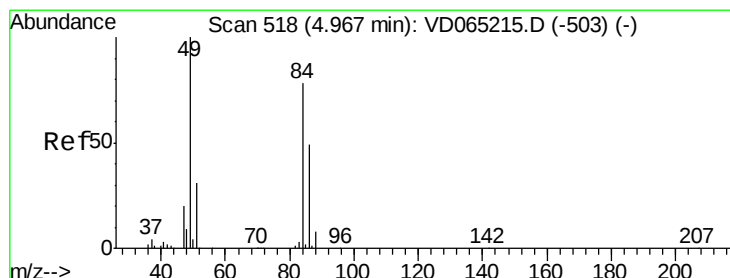
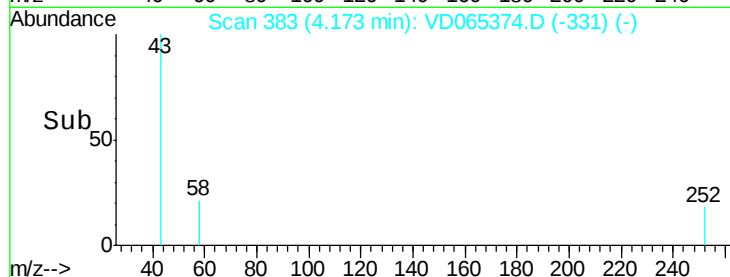
400

200

0

Time-->

4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065374.D

Acq: 02 Mar 2020 12:44

Tgt Ion: 84 Resp: 8534

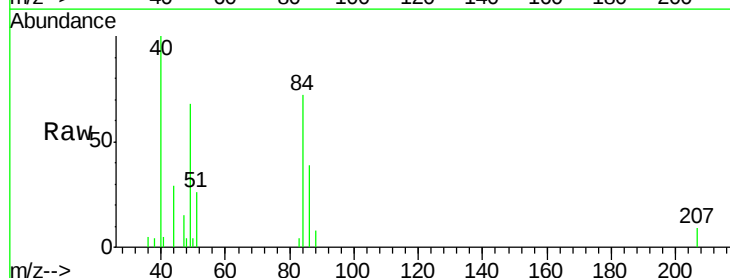
Ion Ratio Lower Upper

84 100

49 94.8 103.1 154.7#

51 35.9 31.7 47.5

86 53.5 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

4.96

5000

4000

3000

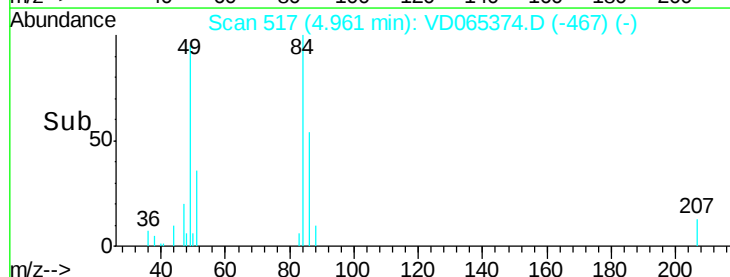
2000

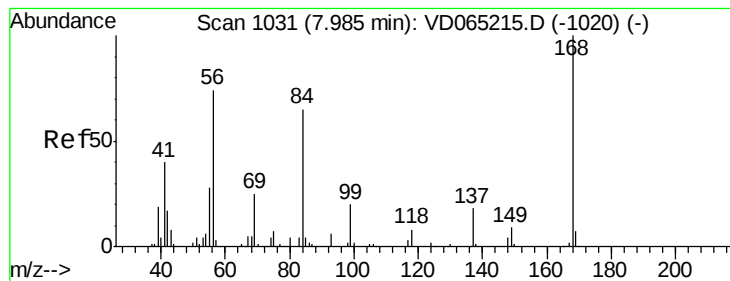
1000

0

Time-->

4.85 4.90 4.95 5.00 5.05





#31

Cyclohexane

Concen: 1.14 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065374.D

Acq: 02 Mar 2020 12:44

Instrument :

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ClientSampleId :

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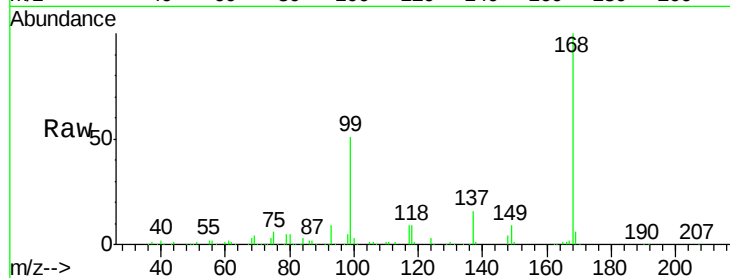
Tgt Ion: 56 Resp: 12150

Ion Ratio Lower Upper

56 100

69 172.4 27.4 41.0#

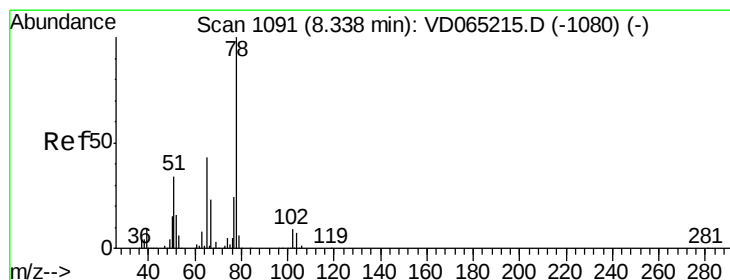
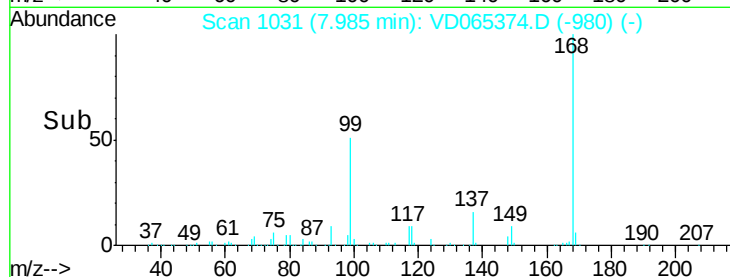
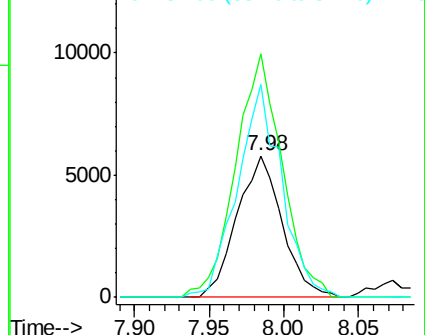
84 150.8 71.1 106.7#



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: 52.33 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065374.D

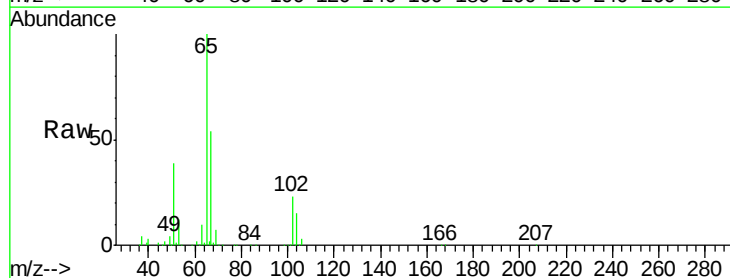
Acq: 02 Mar 2020 12:44

Tgt Ion: 65 Resp: 284042

Ion Ratio Lower Upper

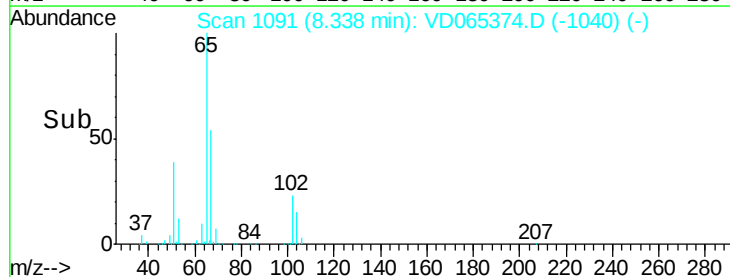
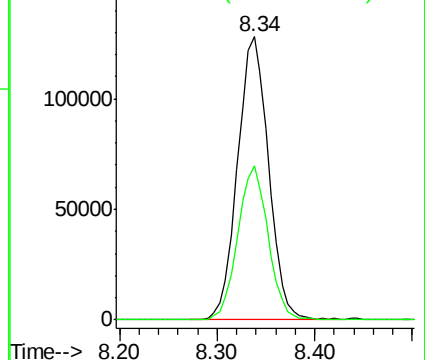
65 100

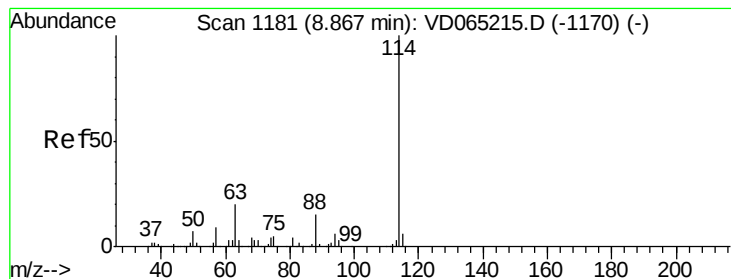
67 53.4 0.0 106.8



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: VD065374.D

Acq: 02 Mar 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

SU-03-022820

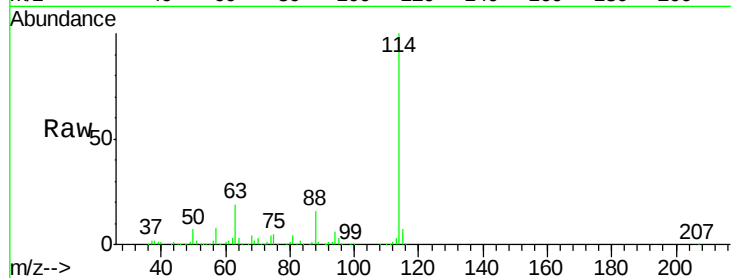
Tgt Ion:114 Resp: 996562

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

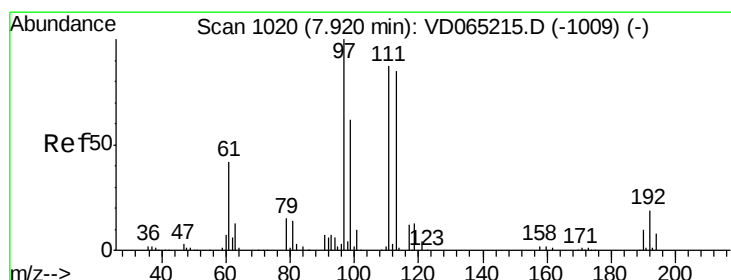
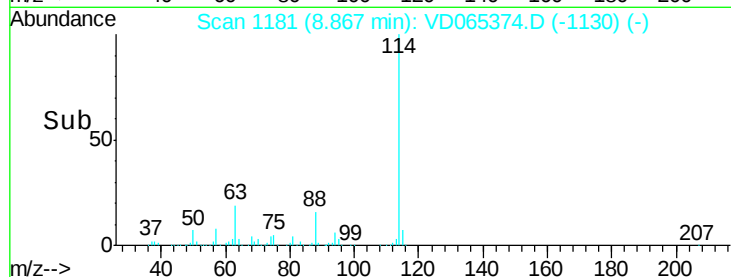
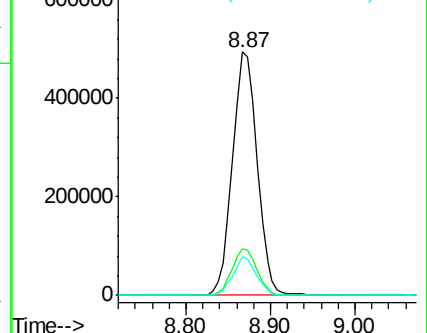
88 15.7 0.0 30.4



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: 51.32 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065374.D

Acq: 02 Mar 2020 12:44

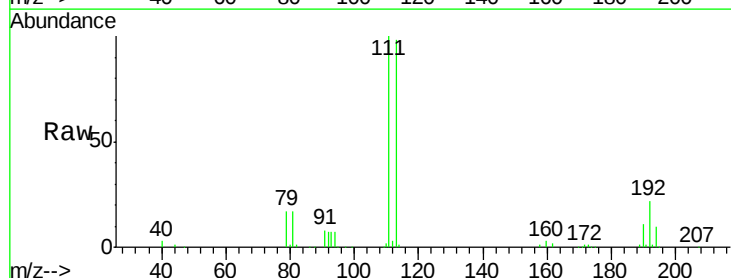
Tgt Ion:113 Resp: 311854

Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

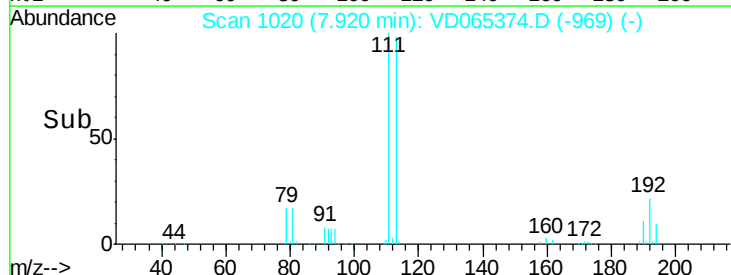
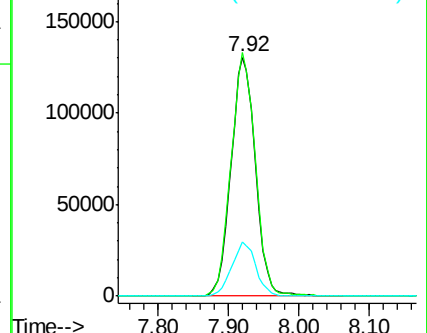
192 22.4 17.3 25.9

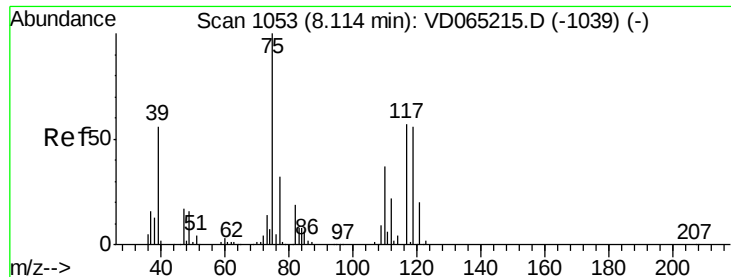


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

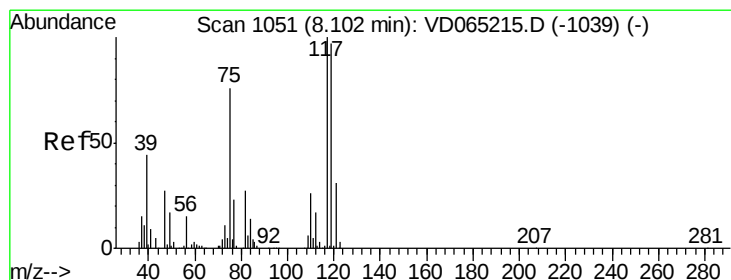
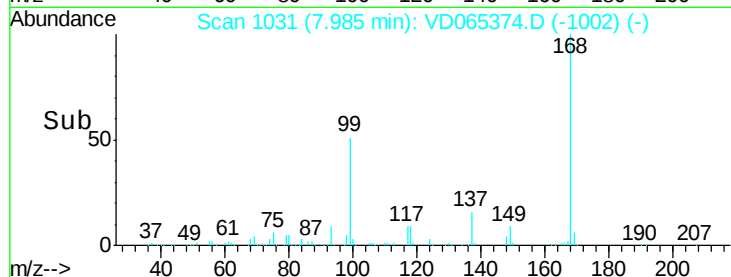
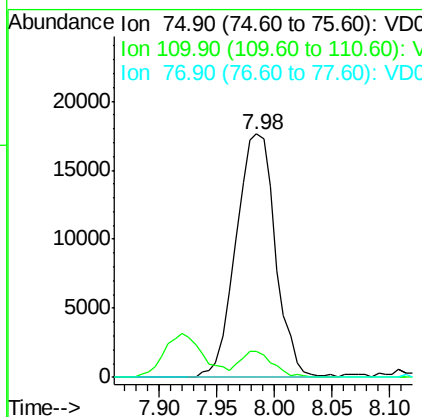
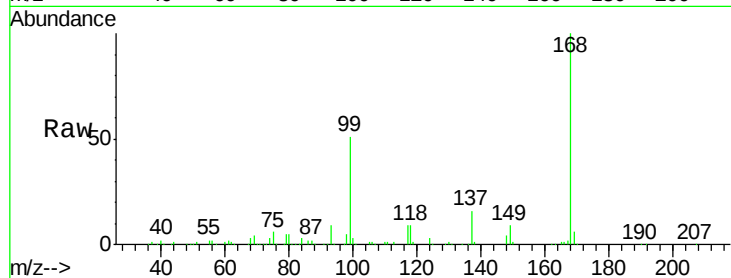




#36
 1,1-Dichloropropene
 Concen: 4.32 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065374.D
 Acq: 02 Mar 2020 12:44

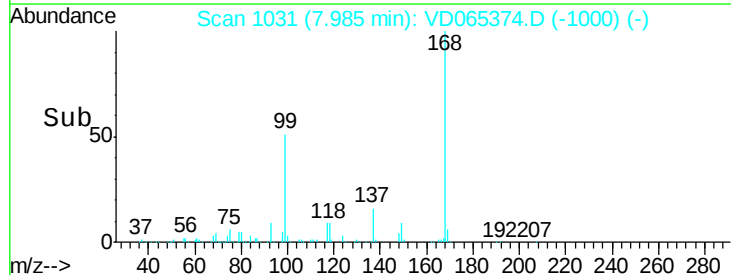
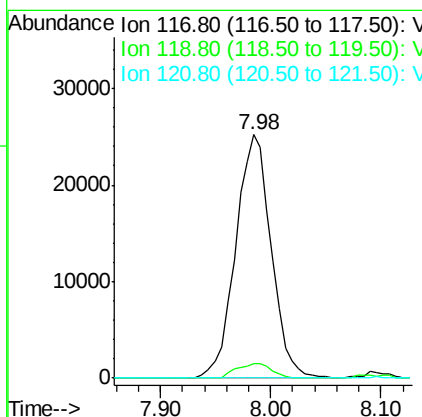
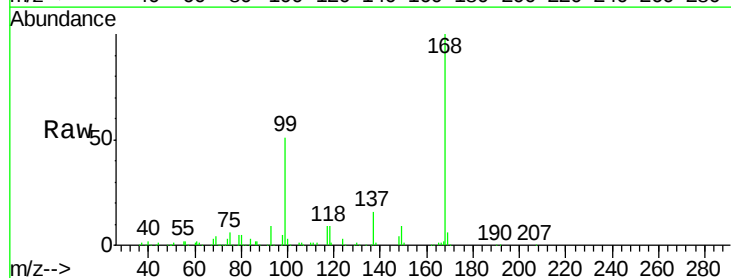
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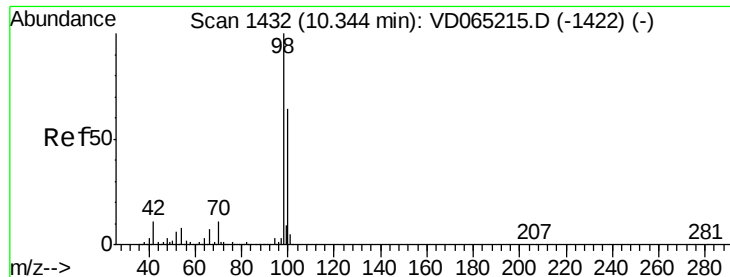
Tgt Ion: 75 Resp: 41864
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.9 53.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.75 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065374.D
 Acq: 02 Mar 2020 12:44

Tgt Ion: 117 Resp: 56764
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.6 116.4#
 121 0.0 24.8 37.2#

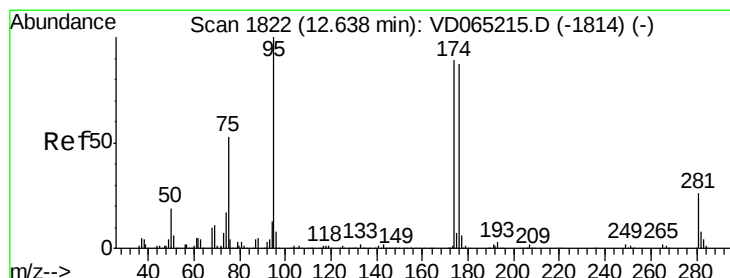
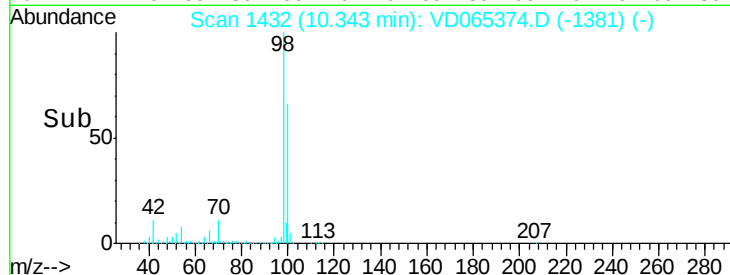
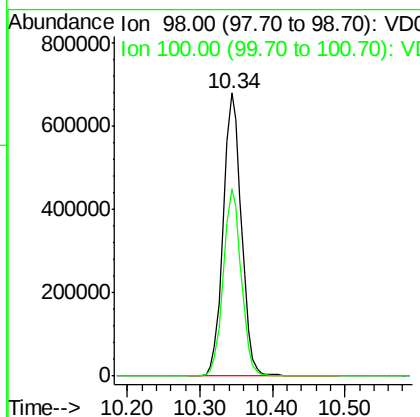
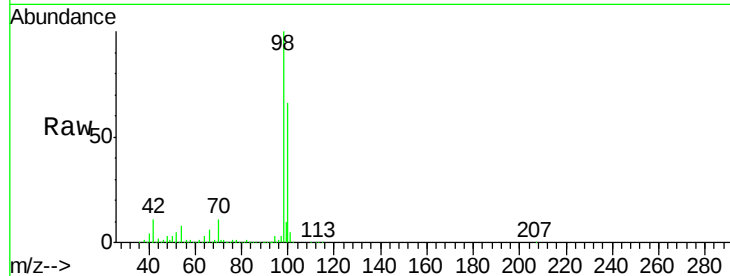




#50
Toluene-d8
Concen: 51.15 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065374.D
Acq: 02 Mar 2020 12:44

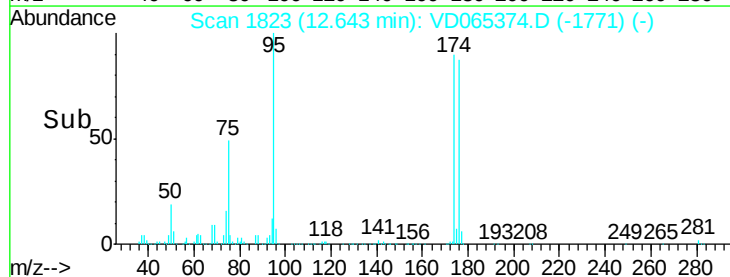
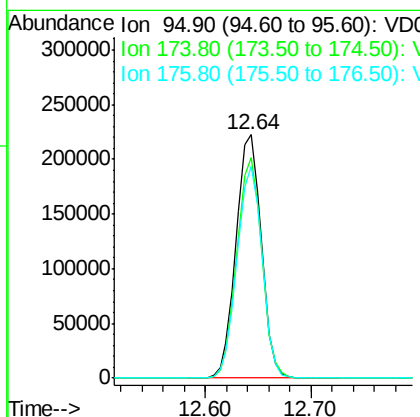
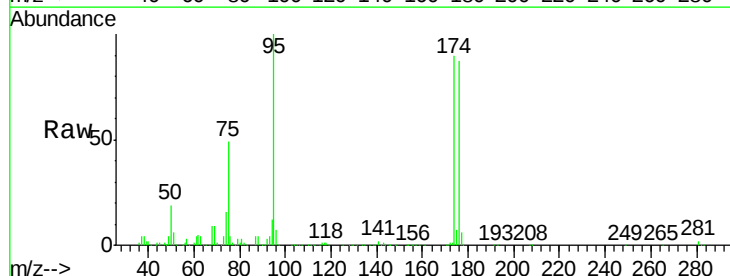
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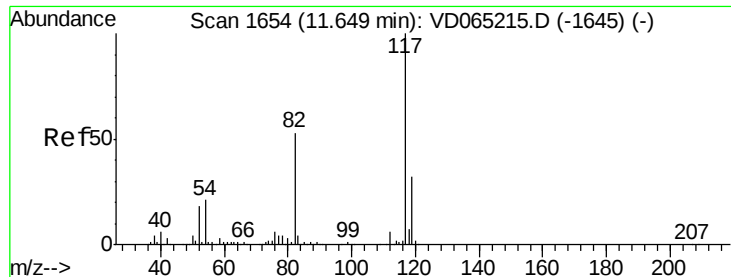
Tgt Ion: 98 Resp: 1188180
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.80 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065374.D
Acq: 02 Mar 2020 12:44

Tgt Ion: 95 Resp: 366471
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.0
176 86.8 0.0 174.4

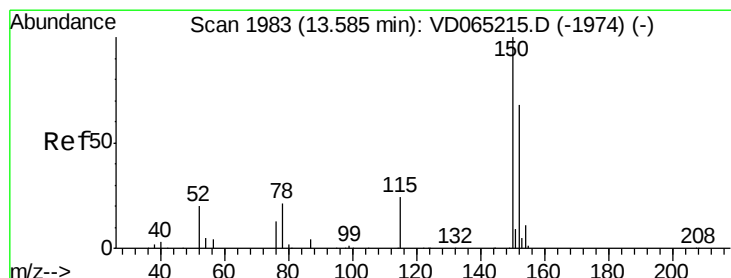
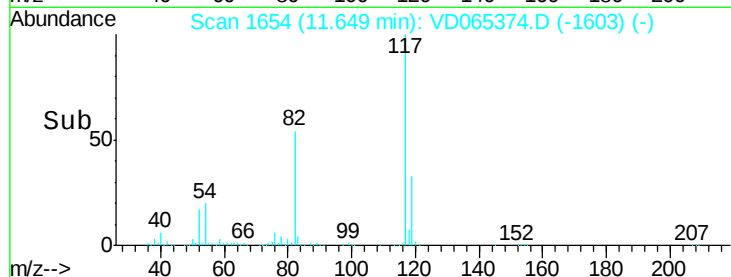
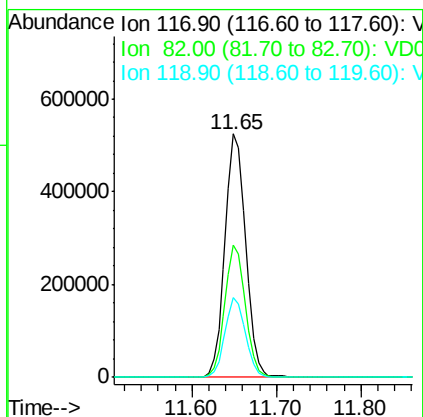
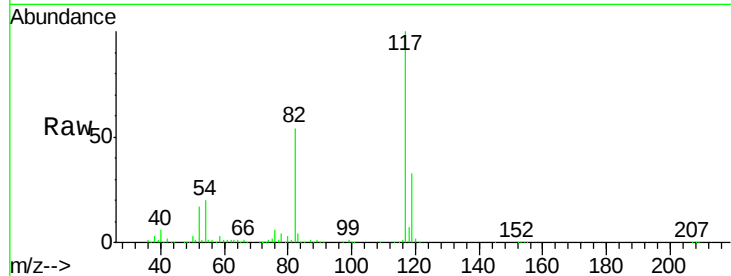




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065374.D
Acq: 02 Mar 2020 12:44

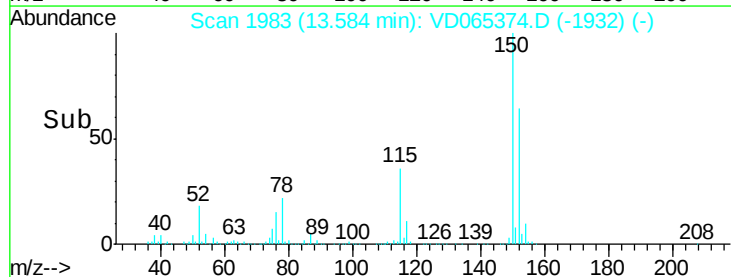
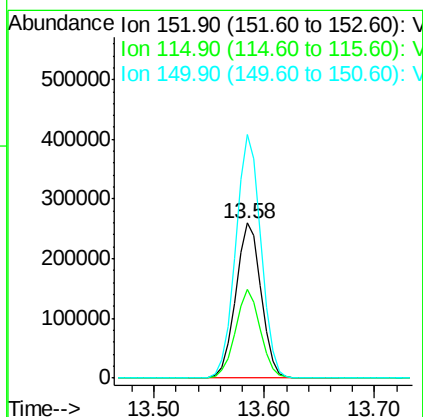
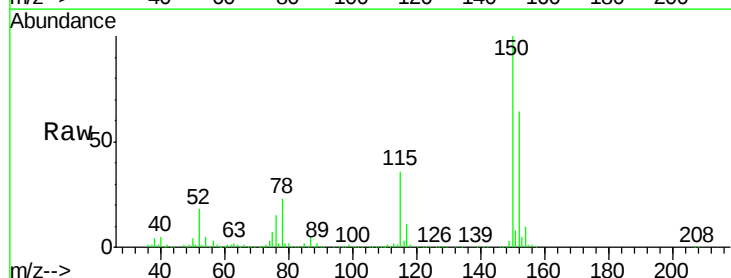
Instrument :
MSVOA_D
ClientSampleId :
SU-03-022820

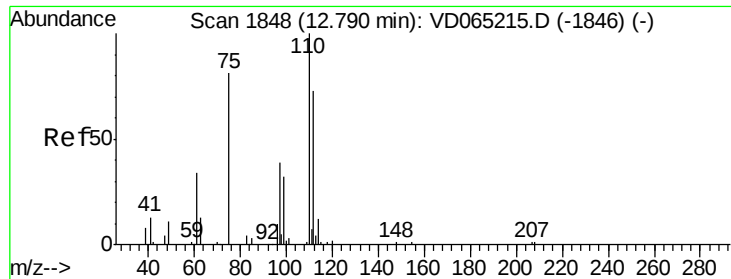
Tgt Ion:117 Resp: 892092
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065374.D
Acq: 02 Mar 2020 12:44

Tgt Ion:152 Resp: 420201
Ion Ratio Lower Upper
152 100
115 56.0 27.6 82.8
150 156.1 0.0 347.4

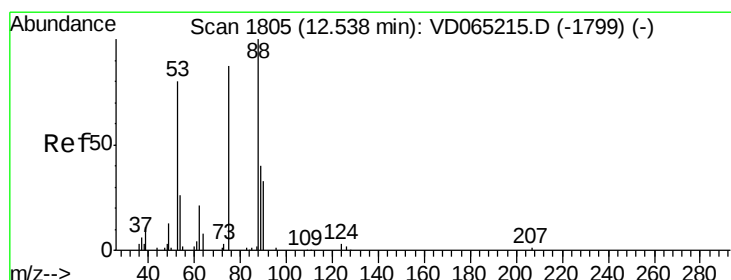
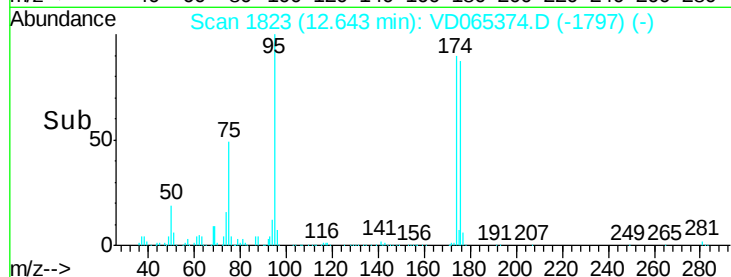
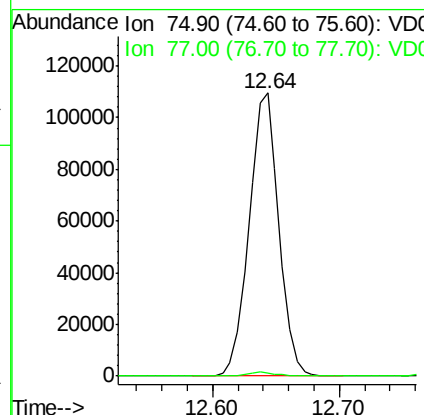
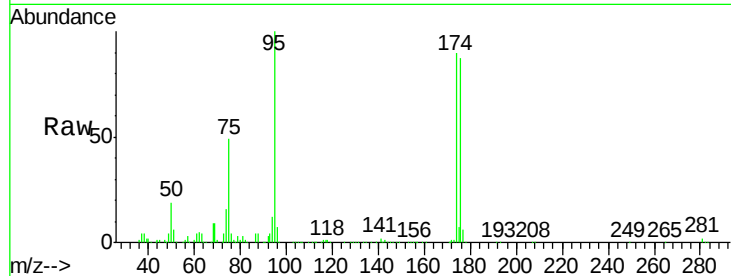




#76
 1,2,3-Trichloropropane
 Concen: 49.72 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.15 min
 Lab File: VD065374.D
 Acq: 02 Mar 2020 12:44

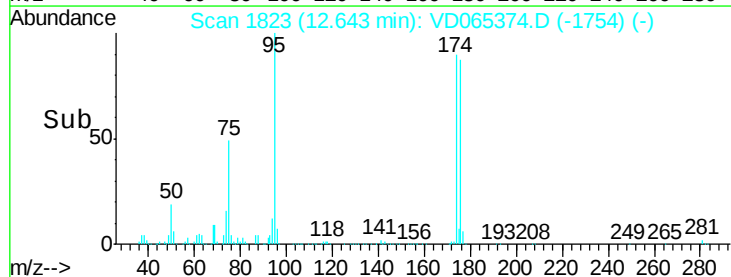
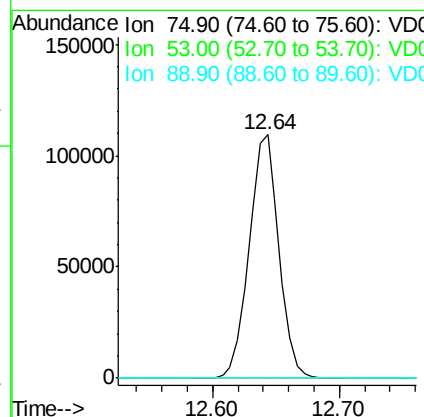
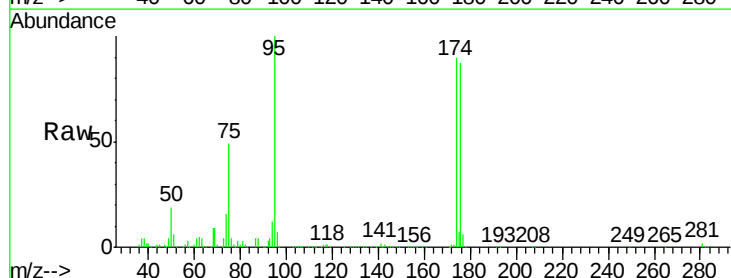
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-022820

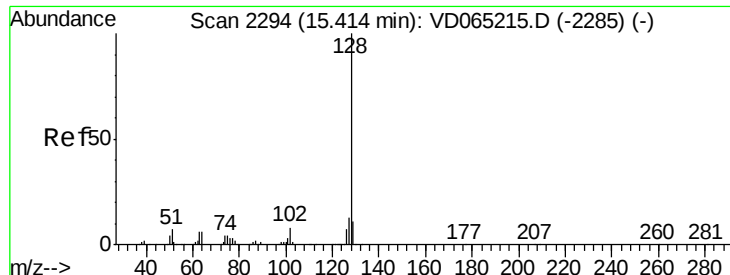
Tgt Ion: 75 Resp: 177743
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.34 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD065374.D
 Acq: 02 Mar 2020 12:44

Tgt Ion: 75 Resp: 177743
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 1.28 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065374.D

Acq: 02 Mar 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

SU-03-022820

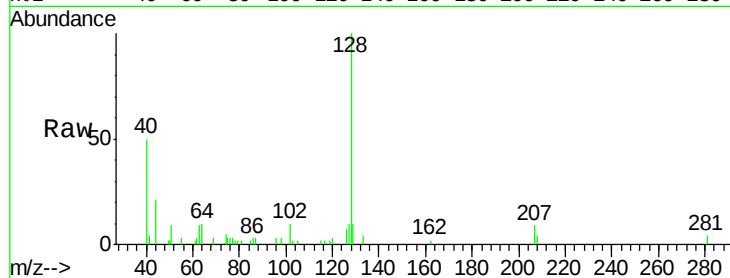
Tgt Ion:128 Resp: 15640

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 12.4 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

