

Data File : VD065513.D
Acq On : 16 Mar 2020 15:33
Operator : VA/SY
Sample : L1949-01
Misc : 5.97G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-204

Quant Time: Mar 17 07:28:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

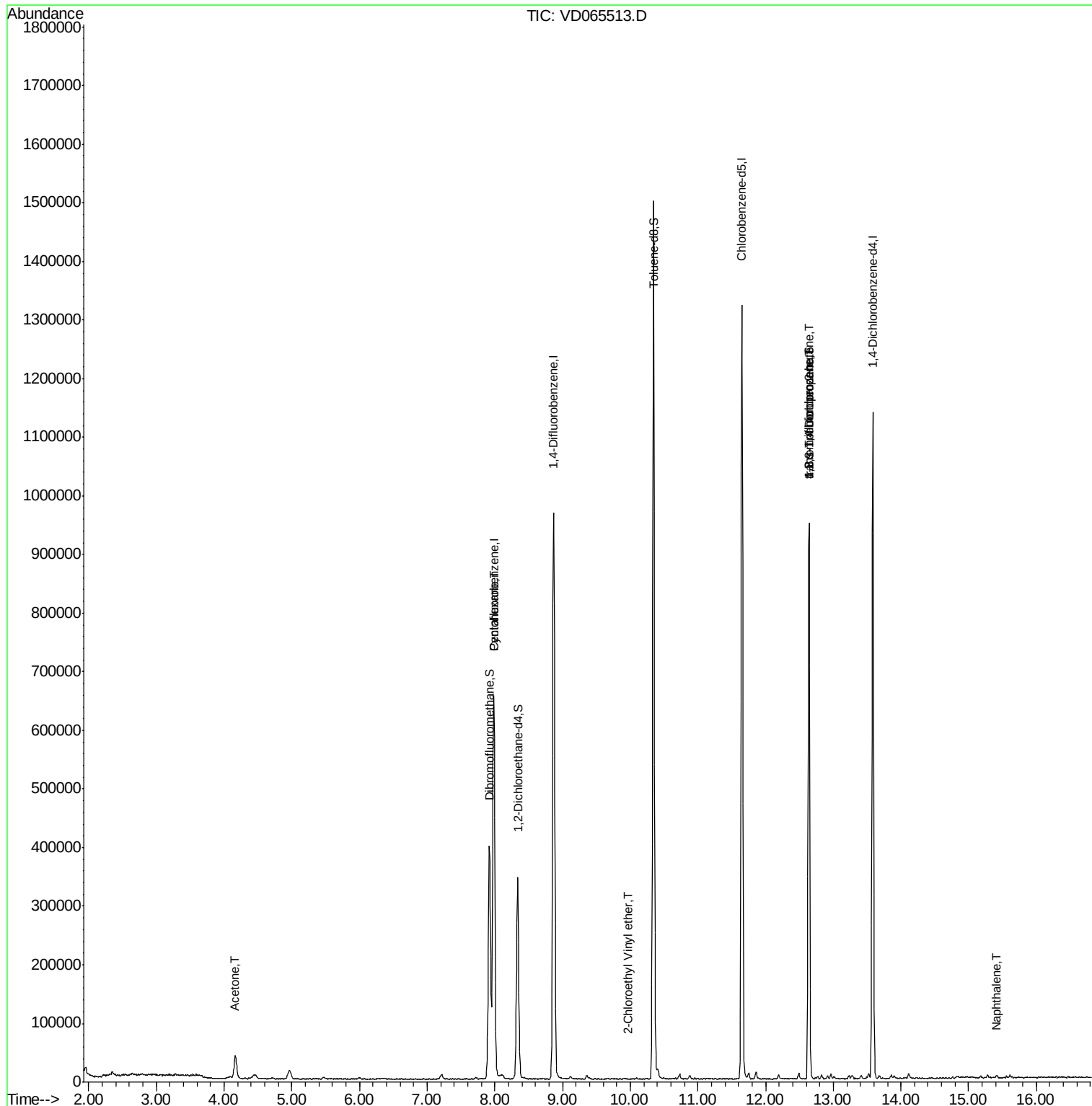
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	526708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	875634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	784429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317878	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	268275	59.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.76%	
35) Dibromofluoromethane	7.92	113	289584	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
50) Toluene-d8	10.34	98	1025932	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.64	95	300472	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
Target Compounds						
5) Bromomethane	2.80	94	1643	Below Cal		87
16) Acetone	4.16	43	69016	75.531 ug/l		95
20) Methylene Chloride	4.97	84	12704	Below Cal		87
31) Cyclohexane	7.98	56	11844	1.320 ug/l #		9
58) 2-Chloroethyl Vinyl ether	9.96	63	64	2.224 ug/l #		46
76) 1,2,3-Trichloropropane	12.64	75	145461	57.991 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	145461	122.379 ug/l #		14
95) Naphthalene	15.41	128	3653	4.732 ug/l #		86

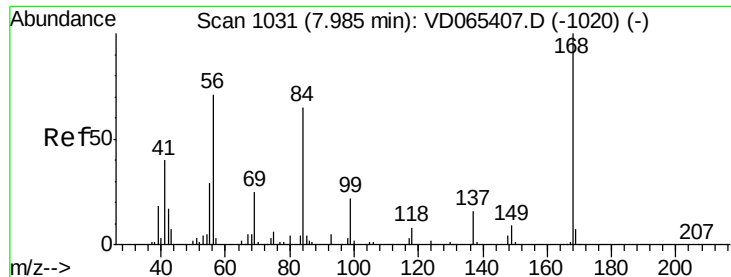
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

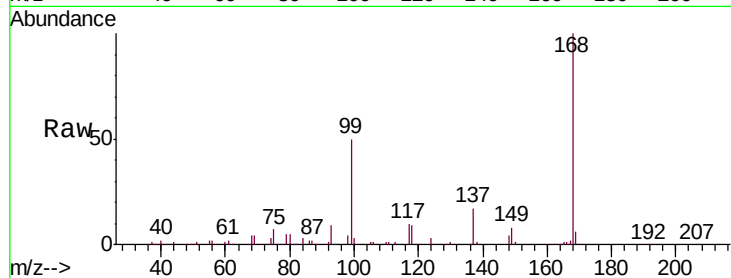
VNJ-204

Tgt Ion:168 Resp: 526708

Ion Ratio Lower Upper

168 100

99 49.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

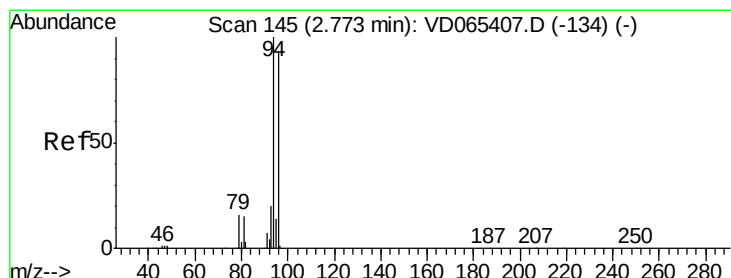
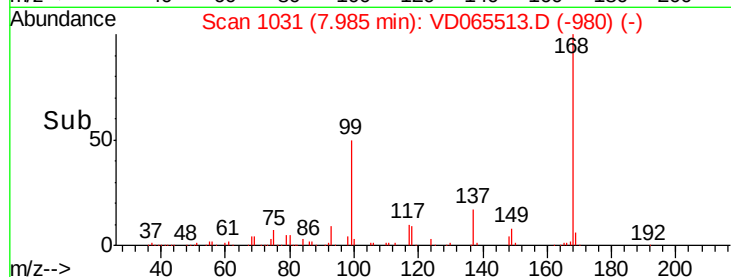
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD065513.D

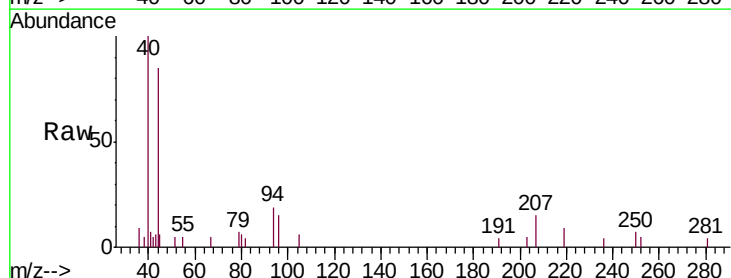
Acq: 16 Mar 2020 15:33

Tgt Ion: 94 Resp: 1643

Ion Ratio Lower Upper

94 100

96 81.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.80

800

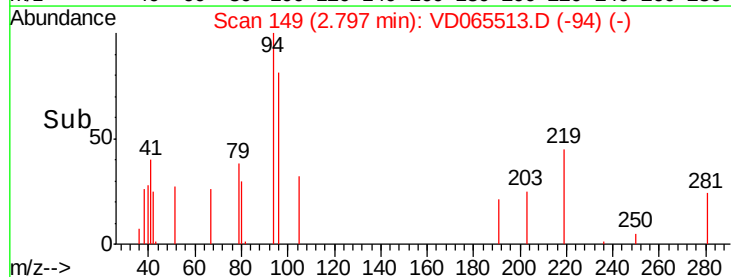
600

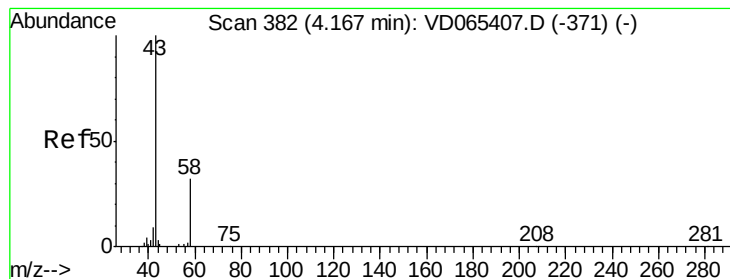
400

200

0

Time-->





#16

Acetone

Concen: 75.531 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampled :

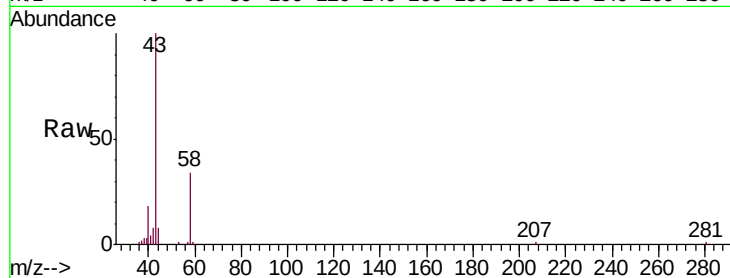
VNJ-204

Tgt Ion: 43 Resp: 69016

Ion Ratio Lower Upper

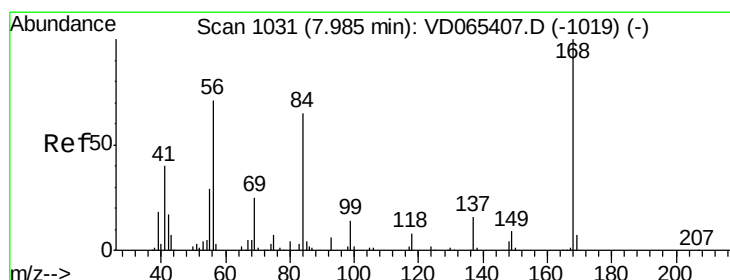
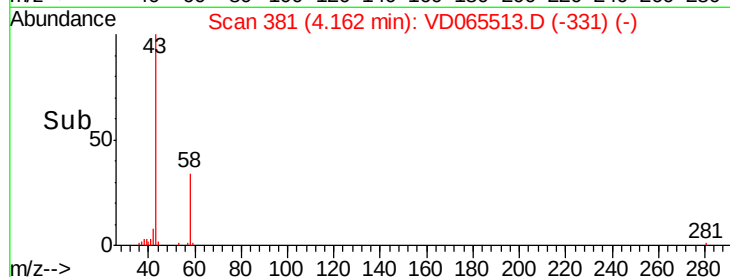
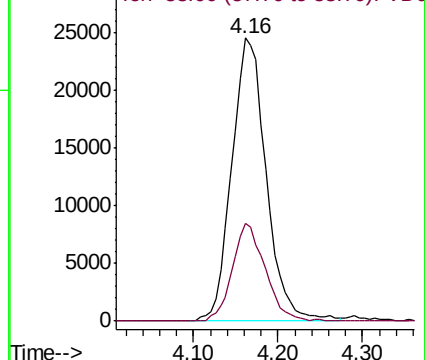
43 100

58 34.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

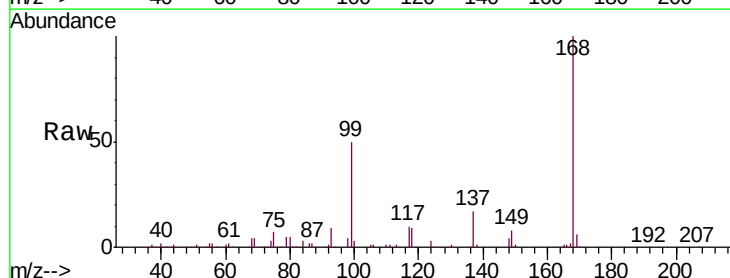
Tgt Ion: 56 Resp: 11844

Ion Ratio Lower Upper

56 100

69 167.1 28.3 42.5#

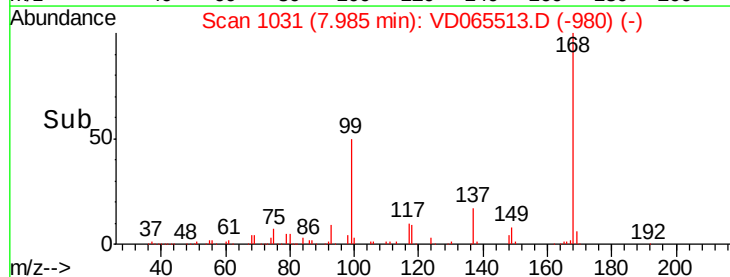
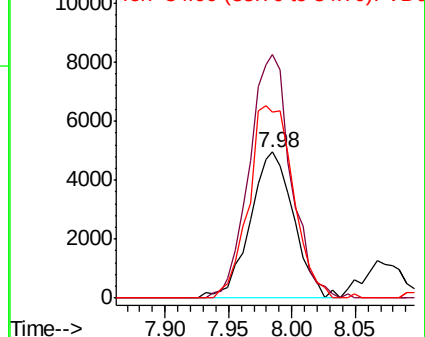
84 127.7 73.1 109.7#

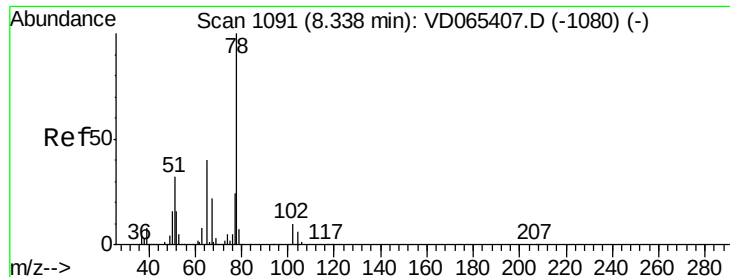


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

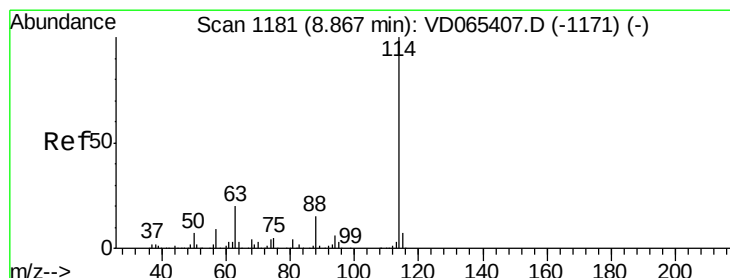
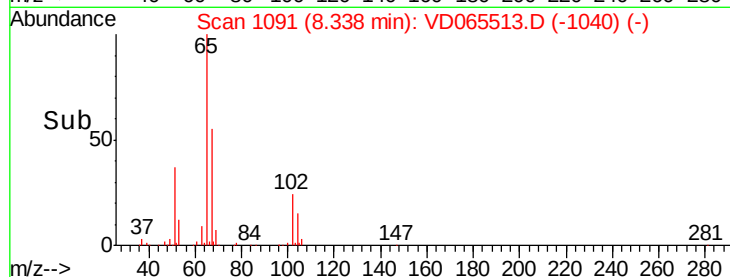
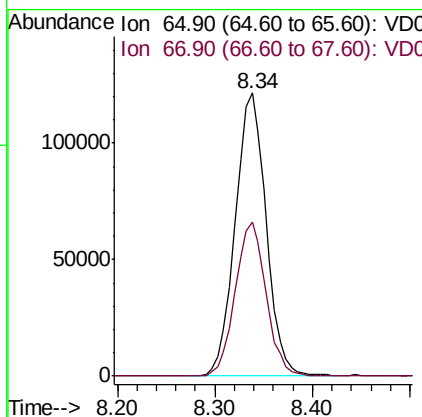
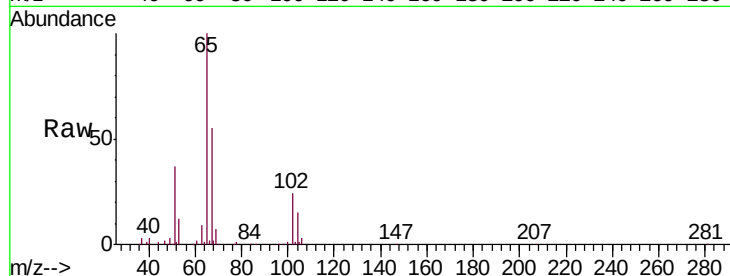




#33
 1,2-Dichloroethane-d4
 Concen: 59.378 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065513.D
 Acq: 16 Mar 2020 15:33

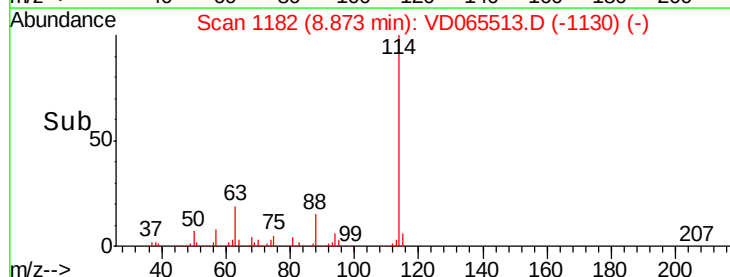
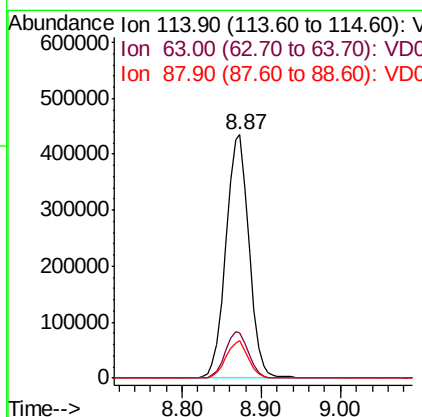
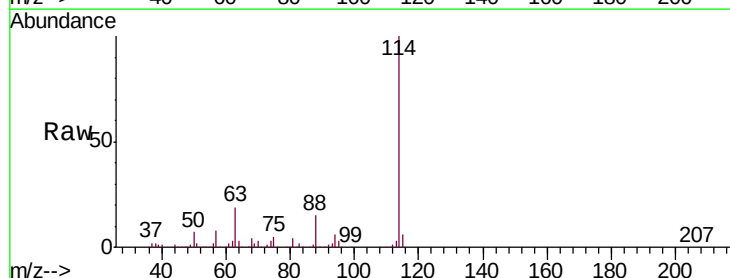
Instrument :
 MSVOA_D
 ClientSampleID :
 VNJ-204

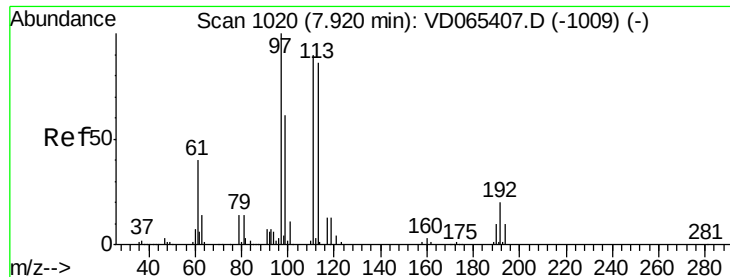
Tgt Ion: 65 Resp: 268275
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065513.D
 Acq: 16 Mar 2020 15:33

Tgt Ion: 114 Resp: 875634
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.6
 88 15.2 0.0 30.4

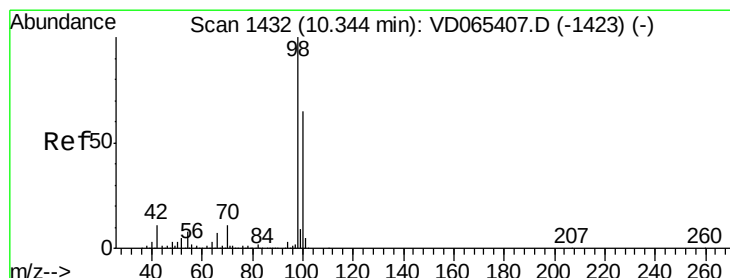
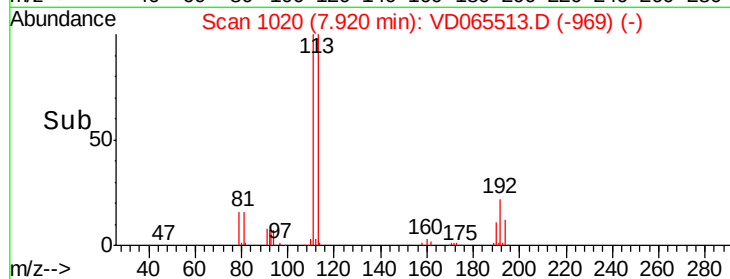
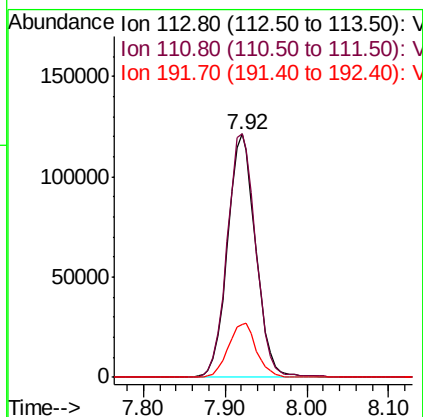
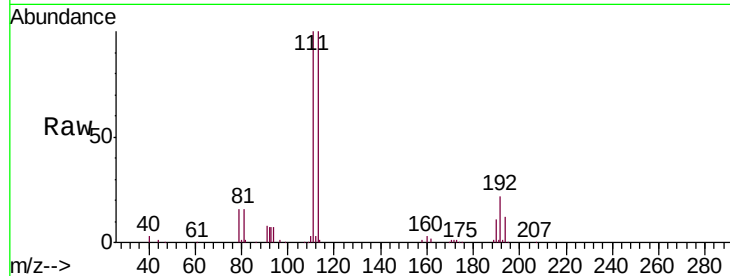




#35
Dibromofluoromethane
Concen: 53.478 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065513.D
Acq: 16 Mar 2020 15:33

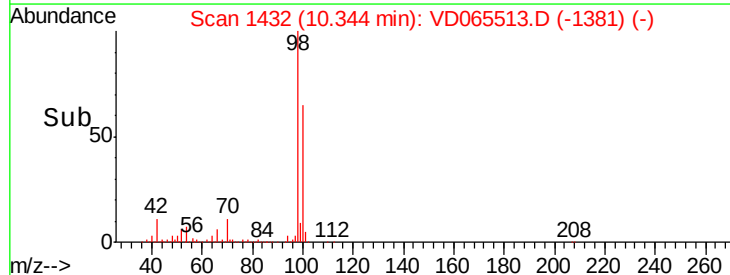
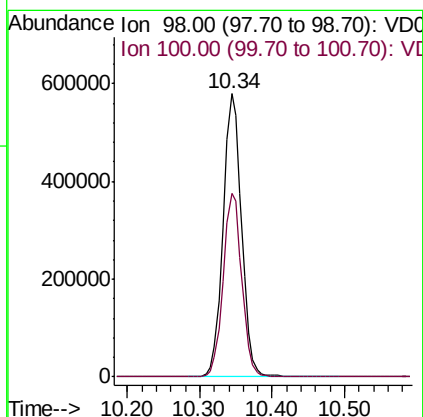
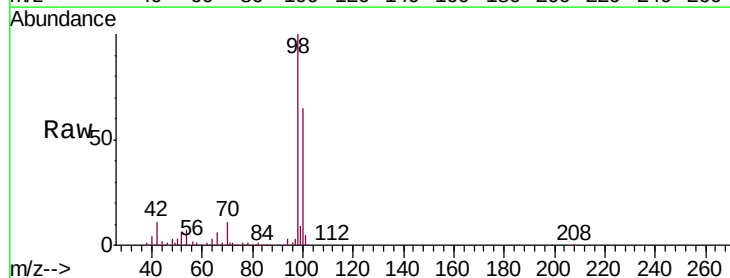
Instrument :
MSVOA_D
ClientSampleId :
VNJ-204

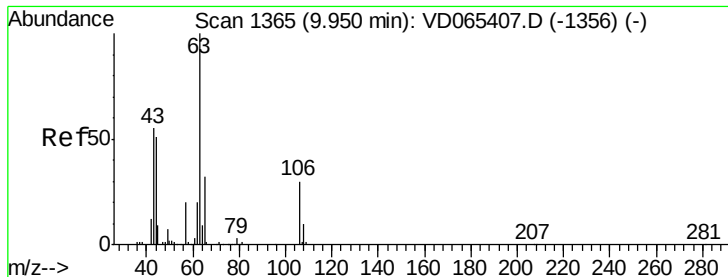
Tgt Ion:113 Resp: 289584
Ion Ratio Lower Upper
113 100
111 101.8 82.1 123.1
192 22.4 17.2 25.8



#50
Toluene-d8
Concen: 49.386 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065513.D
Acq: 16 Mar 2020 15:33

Tgt Ion: 98 Resp: 1025932
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2





#58

2-Chloroethyl Vinyl ether

Concen: 2.224 ug/l

RT: 9.96 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

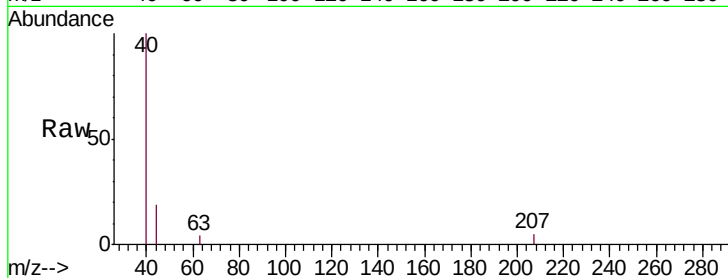
VNJ-204

Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

106 0.0 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.96

150

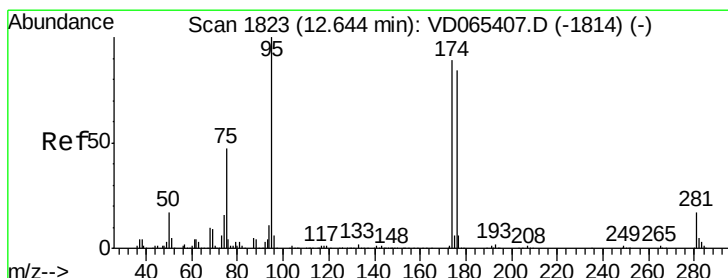
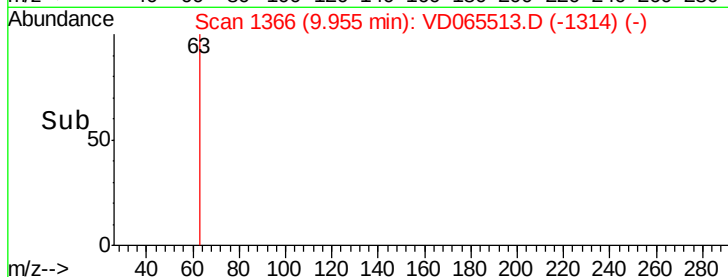
100

50

0

9.94 9.95 9.96 9.97

Time-->



#62

4-Bromofluorobenzene

Concen: 46.853 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

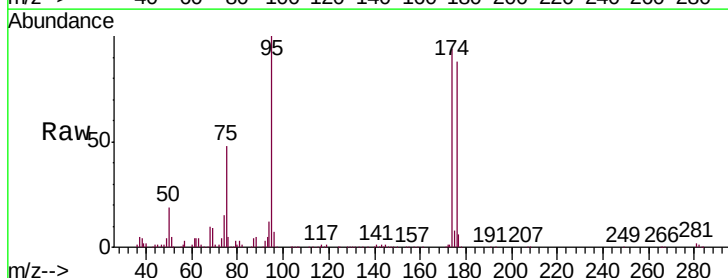
Tgt Ion: 95 Resp: 300472

Ion Ratio Lower Upper

95 100

174 92.0 0.0 176.8

176 88.1 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

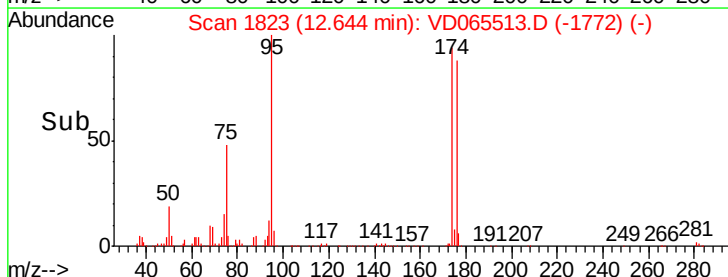
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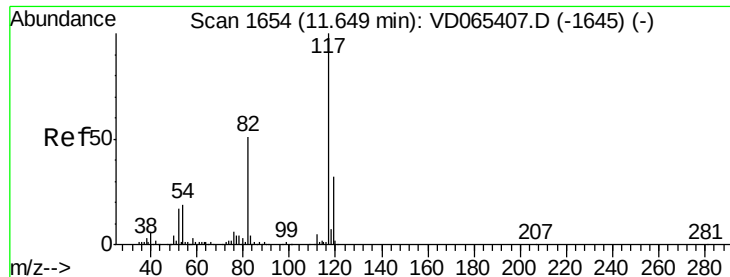
50000

0

12.60 12.64 12.70

Time-->

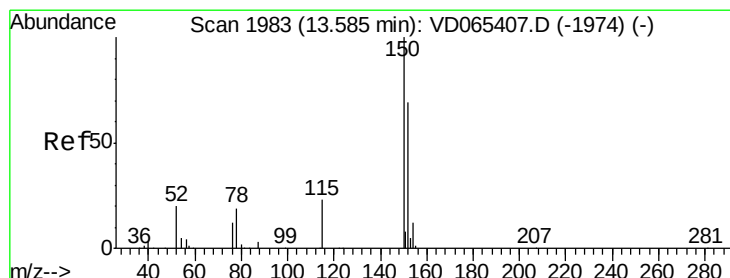
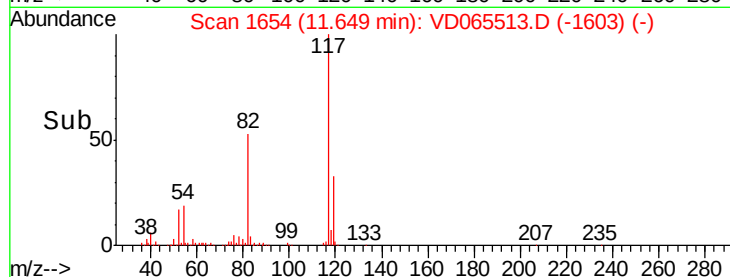
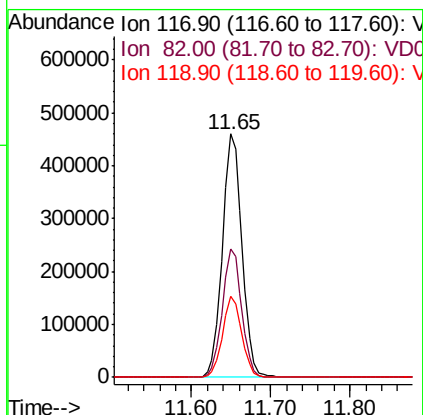
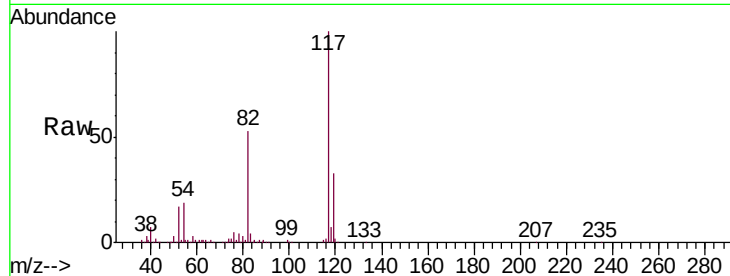




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065513.D
Acq: 16 Mar 2020 15:33

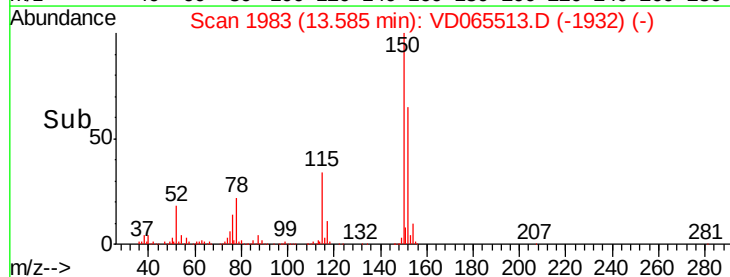
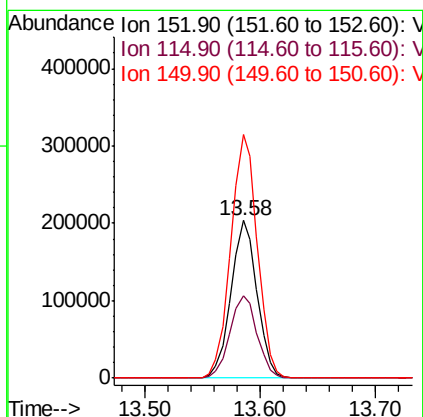
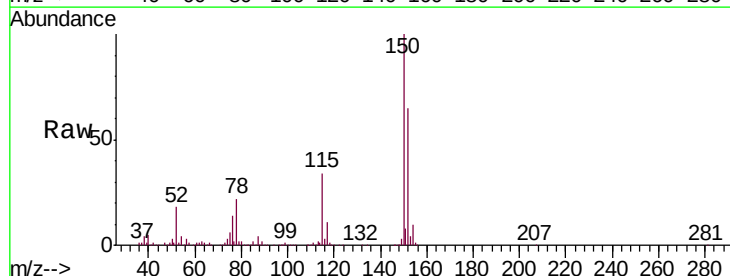
Instrument :
MSVOA_D
ClientSampleId :
VNJ-204

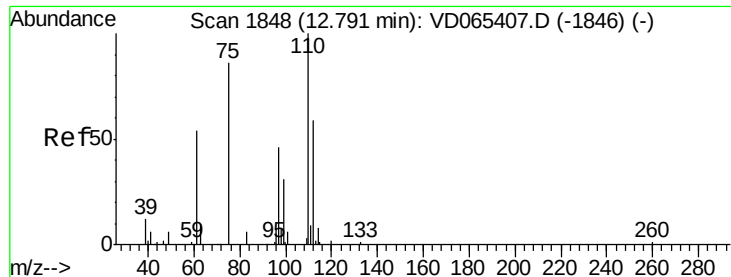
Tgt Ion:117 Resp: 784429
Ion Ratio Lower Upper
117 100
82 52.7 40.6 60.8
119 33.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065513.D
Acq: 16 Mar 2020 15:33

Tgt Ion:152 Resp: 317878
Ion Ratio Lower Upper
152 100
115 54.8 27.6 82.8
150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 57.991 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampled :

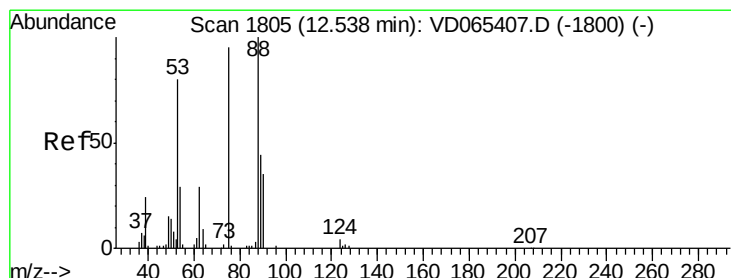
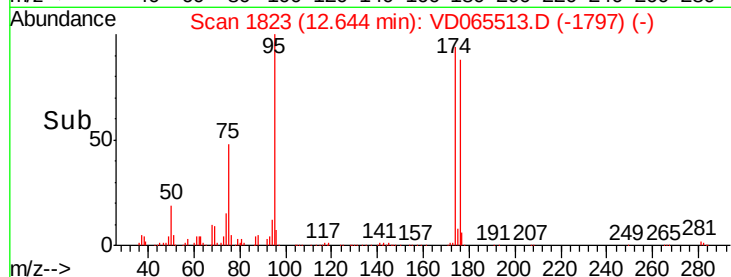
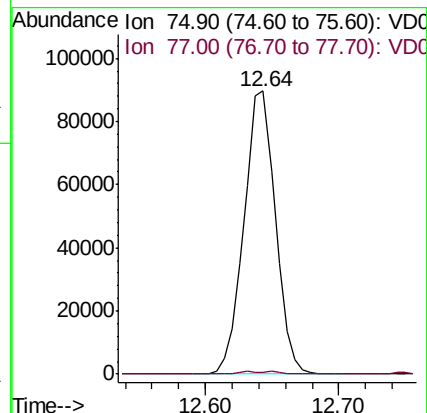
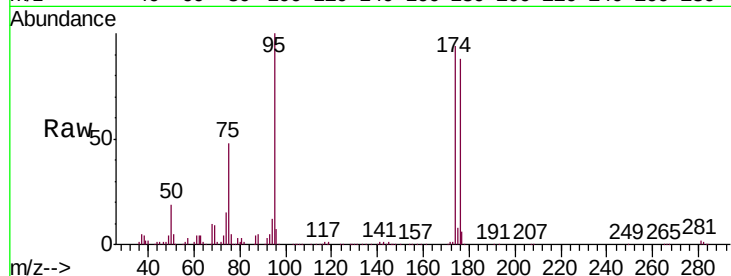
VNJ-204

Tgt Ion: 75 Resp: 145461

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.379 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

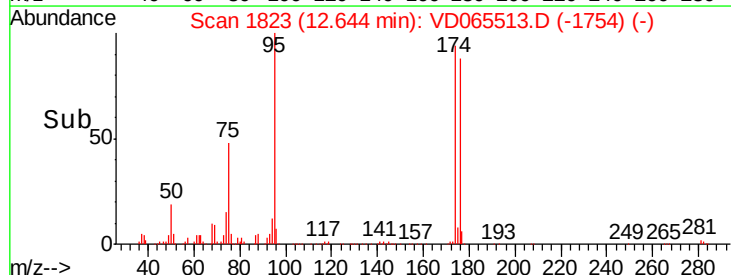
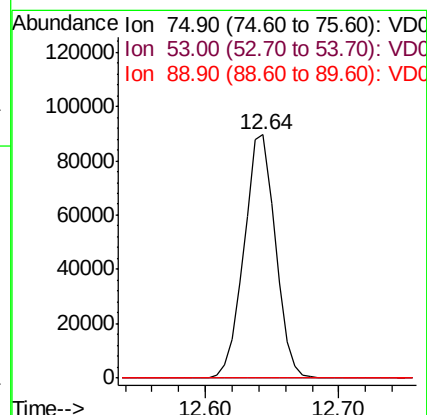
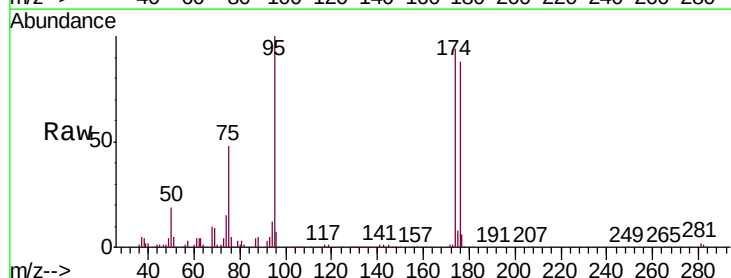
Tgt Ion: 75 Resp: 145461

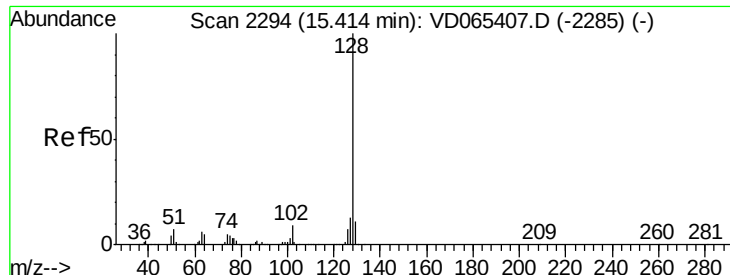
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 4.732 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065513.D

Acq: 16 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VNJ-204

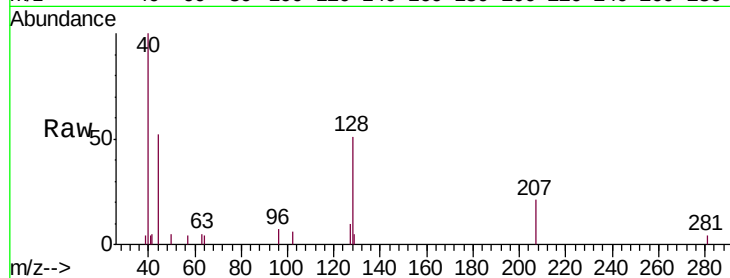
Tgt Ion:128 Resp: 3653

Ion Ratio Lower Upper

128 100

127 18.8 10.6 16.0#

129 5.4 8.7 13.1#



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

