

Data File : VD065514.D
Acq On : 16 Mar 2020 16:01
Operator : VA/SY
Sample : L1949-03
Misc : 7.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-219

Quant Time: Mar 17 07:28:42 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	549615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	909421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	837715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	376394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	259520	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
35) Dibromofluoromethane	7.92	113	291856	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.34	98	1085921	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.64	95	337232	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

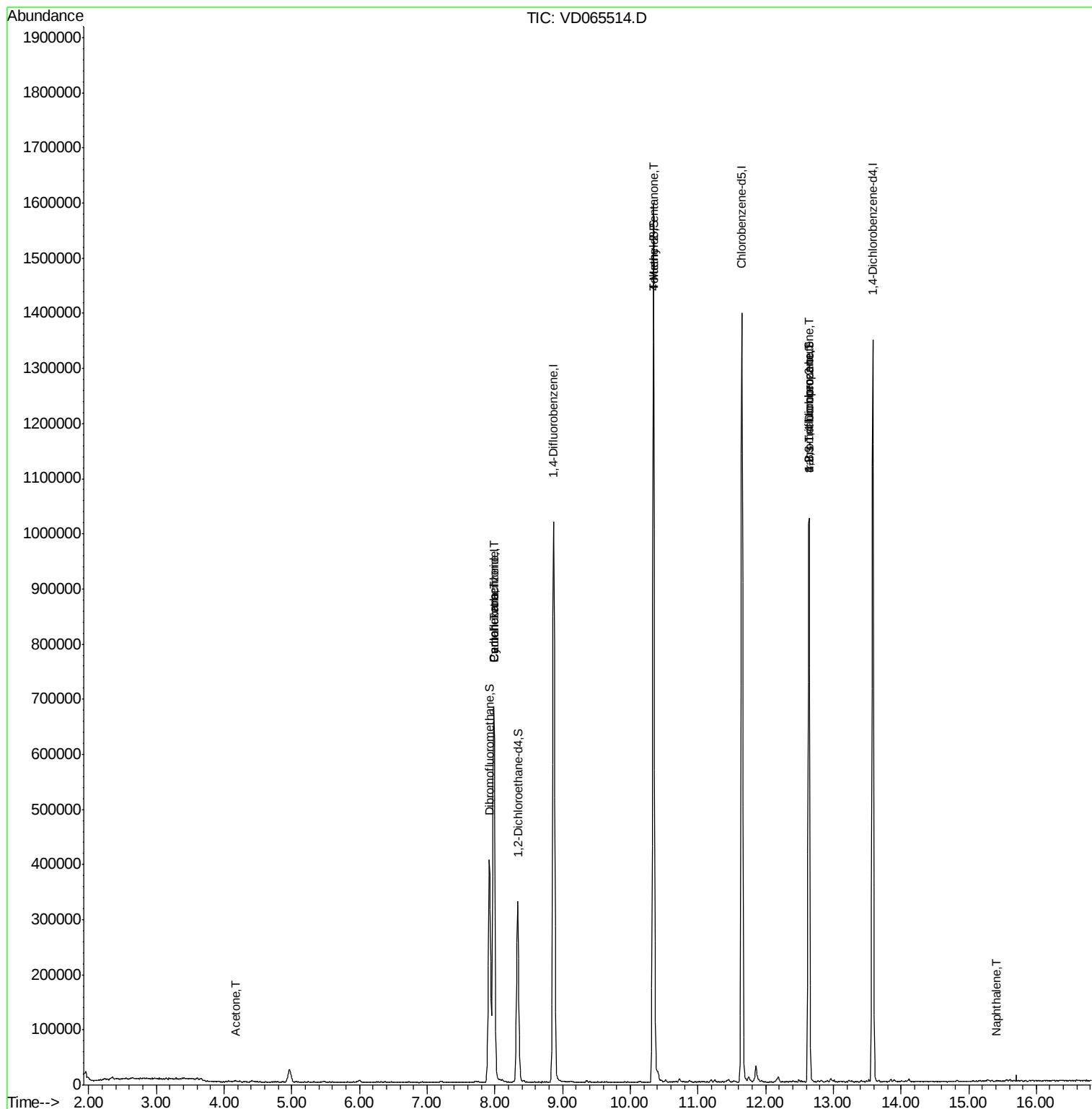
						Qvalue
5) Bromomethane	2.79	94	768	Below Cal	#	60
16) Acetone	4.17	43	4474	4.692	ug/l	90
31) Cyclohexane	7.98	56	10661	1.139	ug/l #	1
38) Carbon Tetrachloride	7.98	117	48713	5.389	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	4494	1.435	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	162766	54.802	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162766	115.649	ug/l #	14
95) Naphthalene	15.41	128	1449	4.516	ug/l #	69

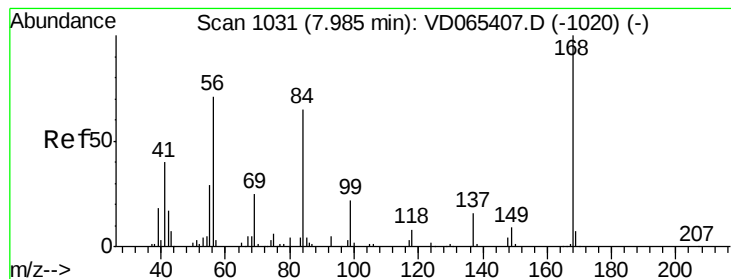
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065514.D

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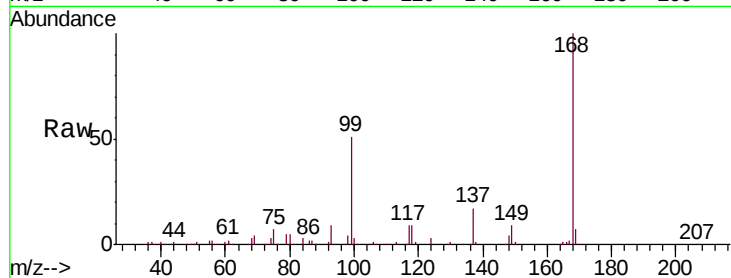
VNJ-219

Tgt Ion:168 Resp: 549615

Ion Ratio Lower Upper

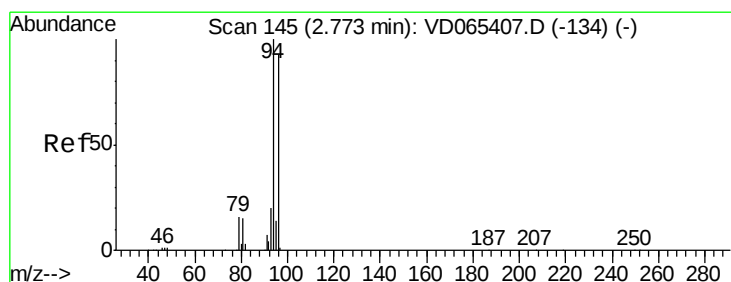
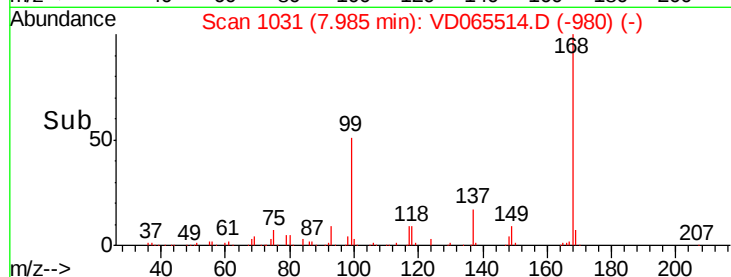
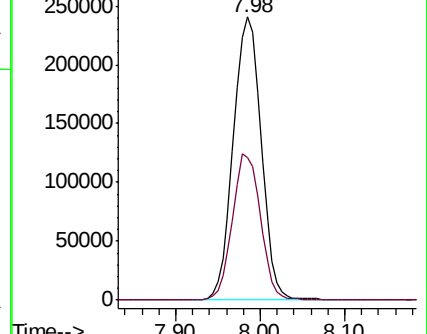
168 100

99 50.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065514.D

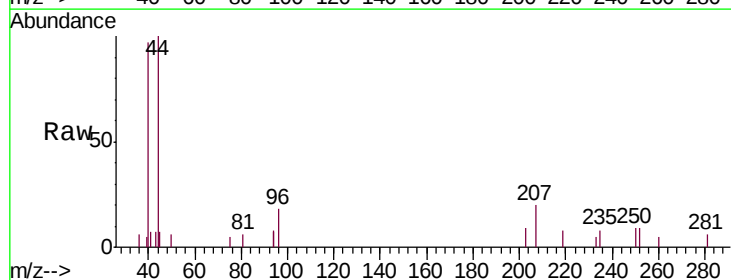
Acq: 16 Mar 2020 16:01

Tgt Ion: 94 Resp: 768

Ion Ratio Lower Upper

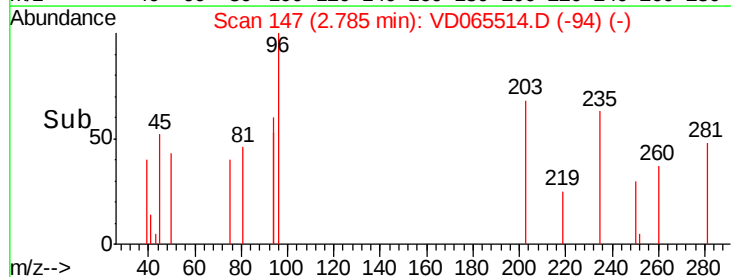
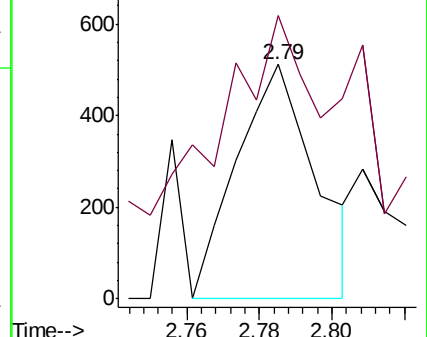
94 100

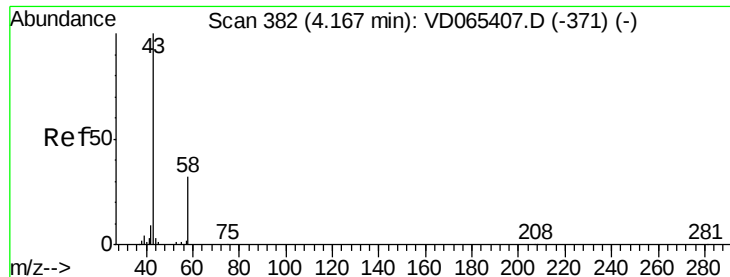
96 55.1 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 4.692 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065514.D

Acq: 16 Mar 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

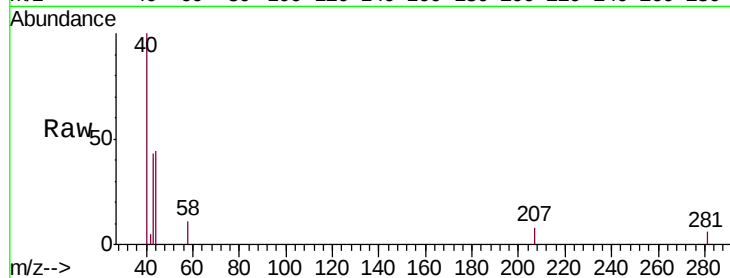
VNJ-219

Tgt Ion: 43 Resp: 4474

Ion Ratio Lower Upper

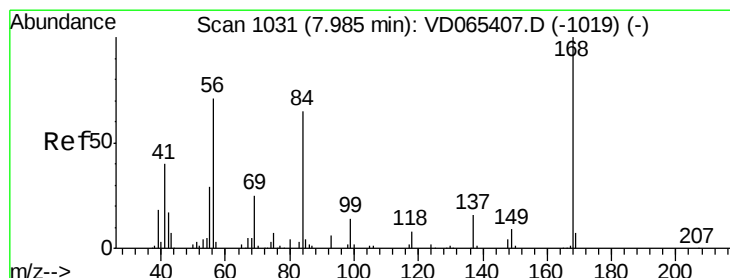
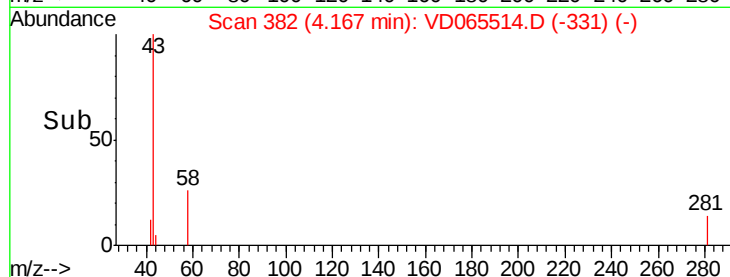
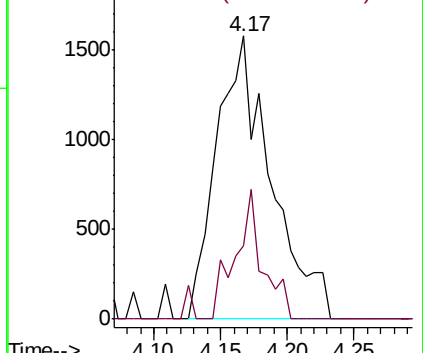
43 100

58 26.0 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: 1.139 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065514.D

Acq: 16 Mar 2020 16:01

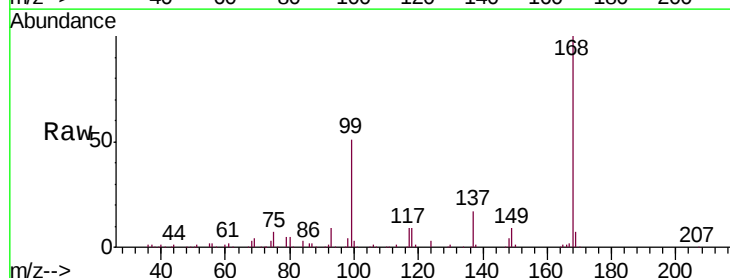
Tgt Ion: 56 Resp: 10661

Ion Ratio Lower Upper

56 100

69 161.9 28.3 42.5#

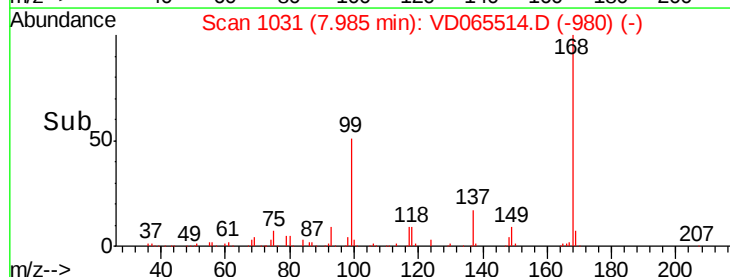
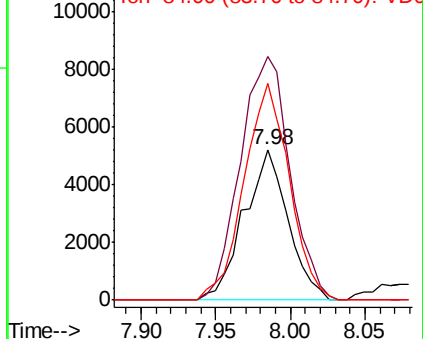
84 144.3 73.1 109.7#

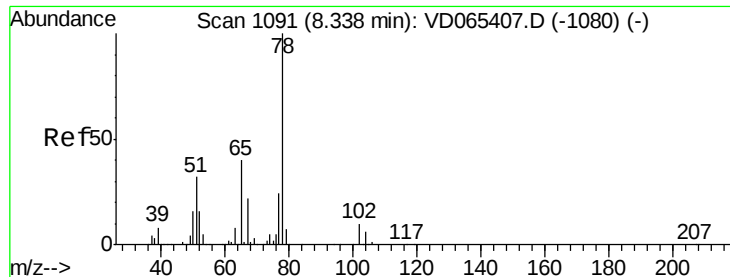


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

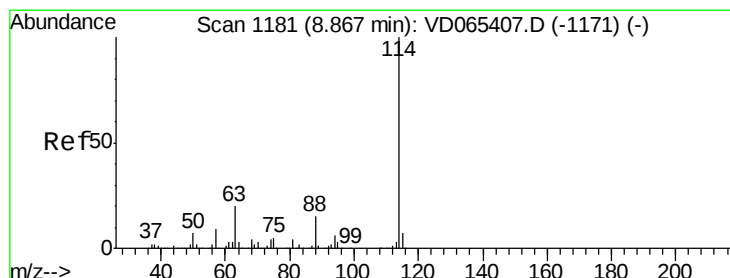
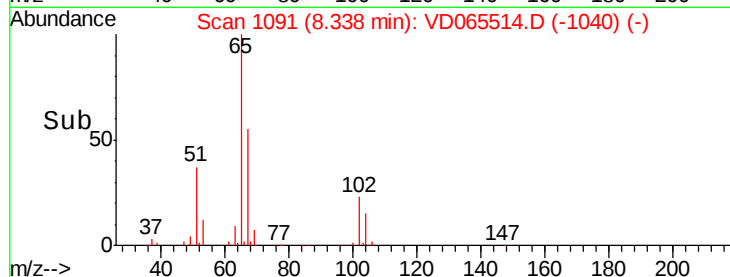
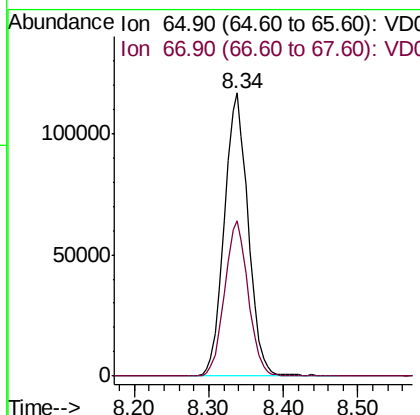
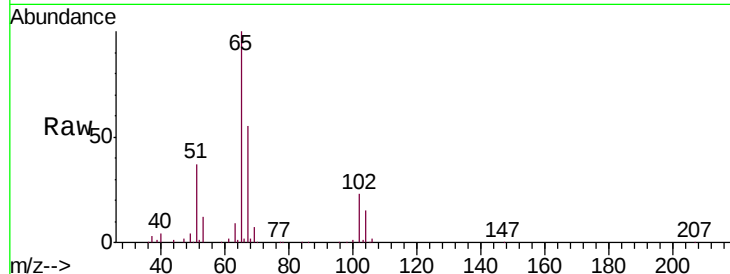




#33
 1,2-Dichloroethane-d4
 Concen: 55.046 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065514.D
 Acq: 16 Mar 2020 16:01

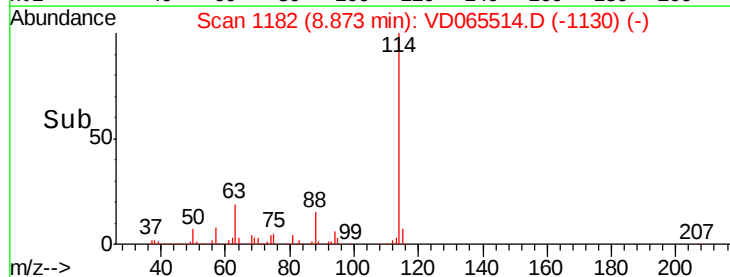
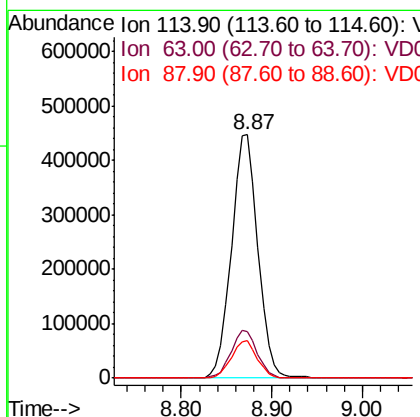
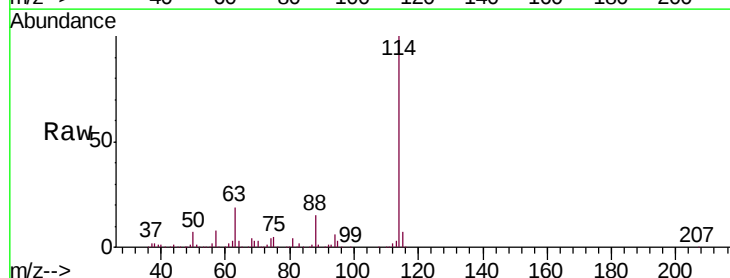
Instrument :
 MSVOA_D
 ClientSampleID :
 VNJ-219

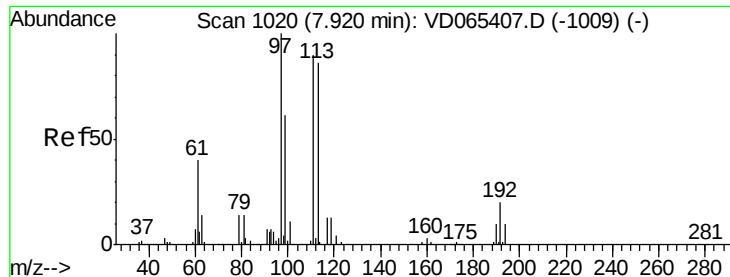
Tgt Ion: 65 Resp: 259520
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065514.D
 Acq: 16 Mar 2020 16:01

Tgt Ion: 114 Resp: 909421
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 15.2 0.0 30.4

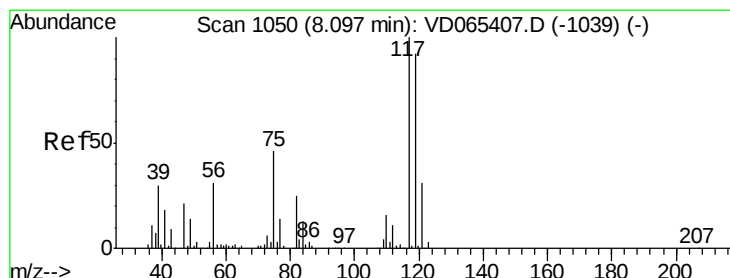
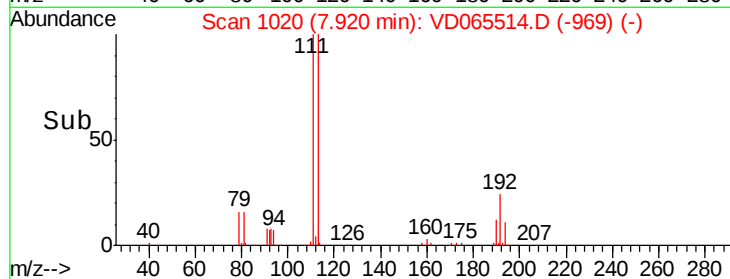
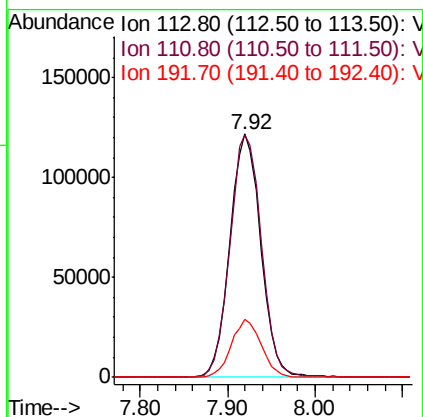
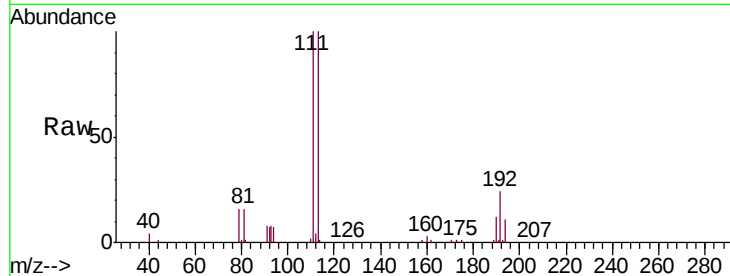




#35
 Dibromofluoromethane
 Concen: 51.895 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065514.D
 Acq: 16 Mar 2020 16:01

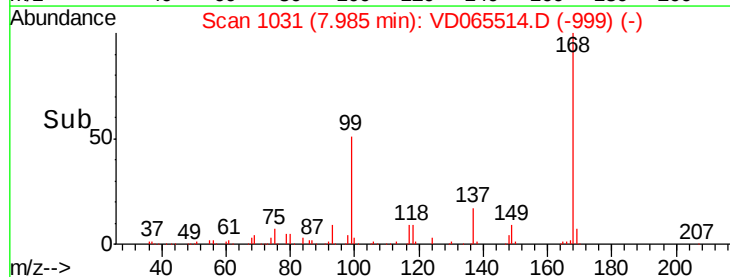
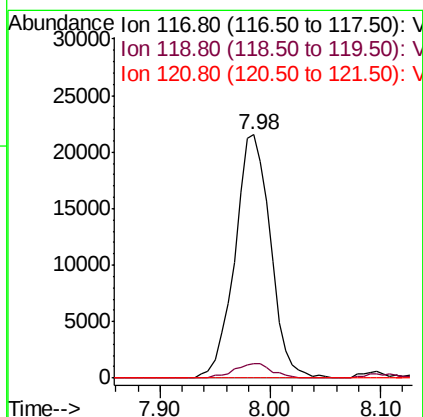
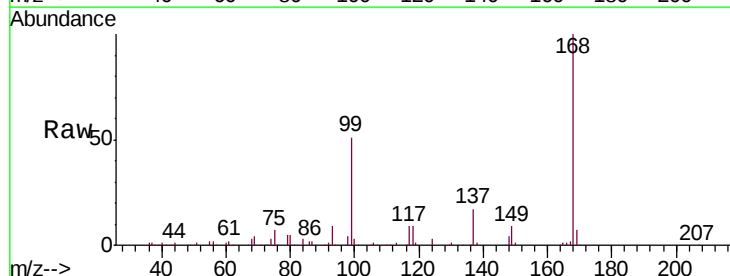
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-219

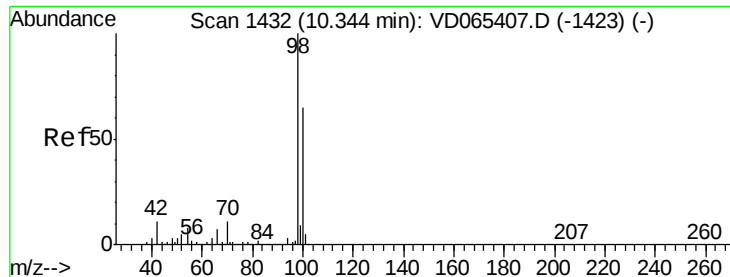
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.1	123.1
192	23.0	17.2	25.8



#38
 Carbon Tetrachloride
 Concen: 5.389 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065514.D
 Acq: 16 Mar 2020 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	73.3	109.9#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 50.331 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065514.D

Acq: 16 Mar 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

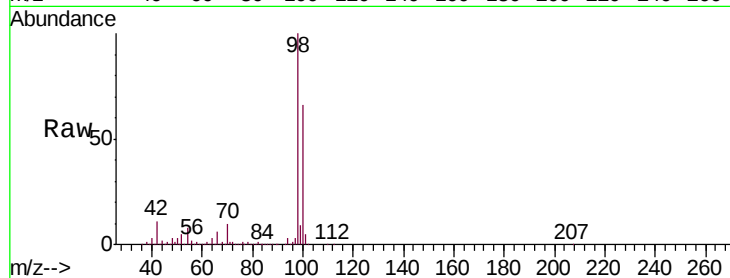
VNJ-219

Tgt Ion: 98 Resp: 1085921

Ion Ratio Lower Upper

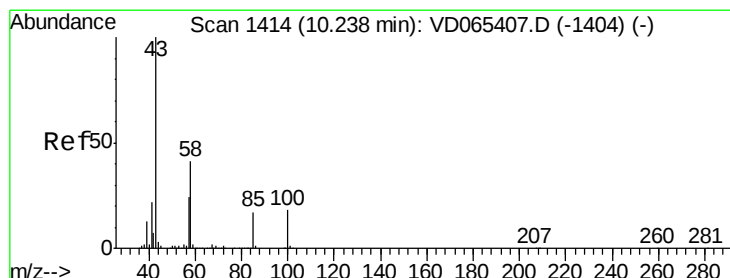
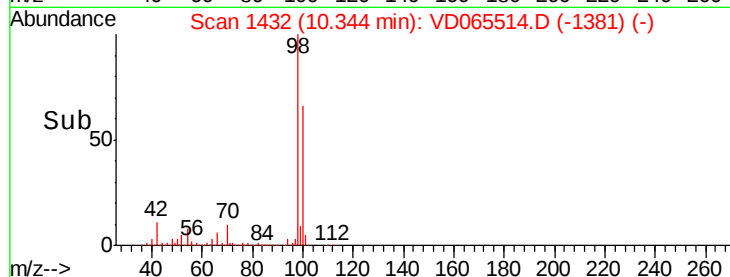
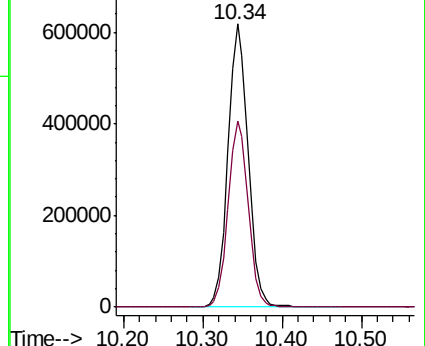
98 100

100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.435 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065514.D

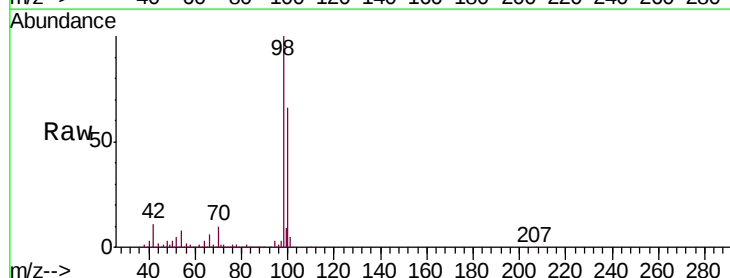
Acq: 16 Mar 2020 16:01

Tgt Ion: 43 Resp: 4494

Ion Ratio Lower Upper

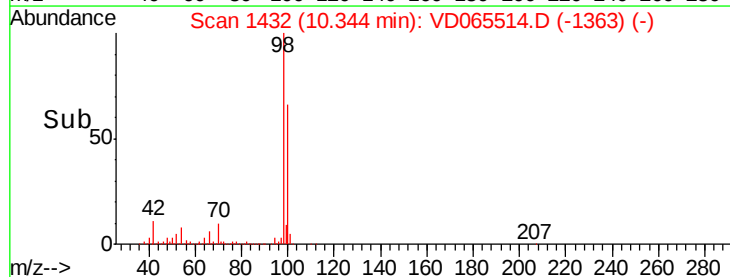
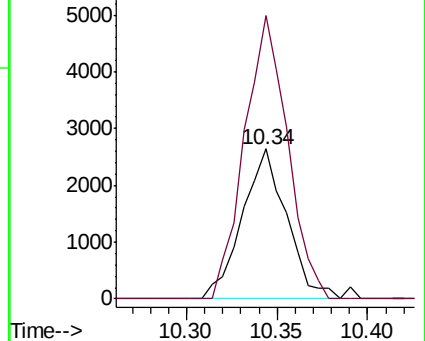
43 100

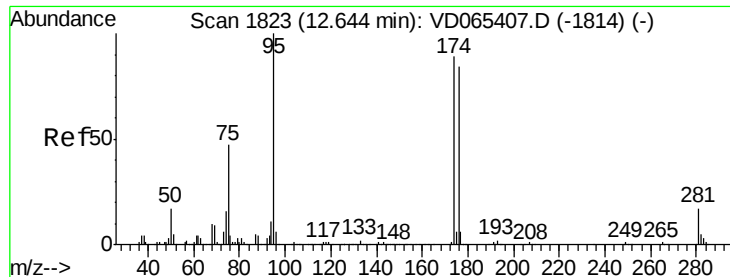
58 183.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

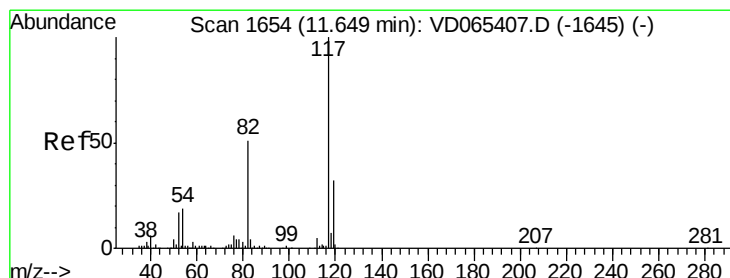
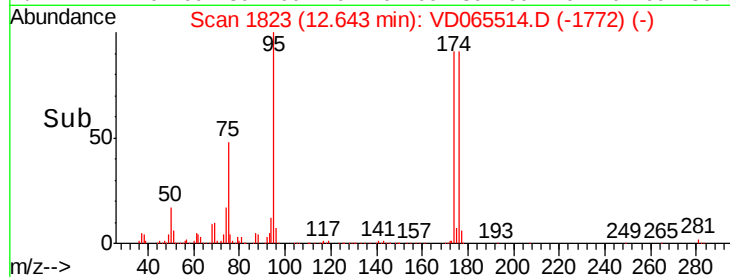
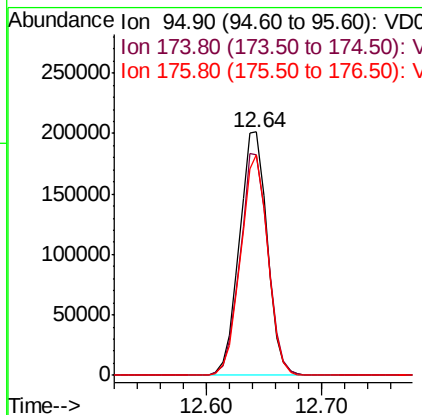
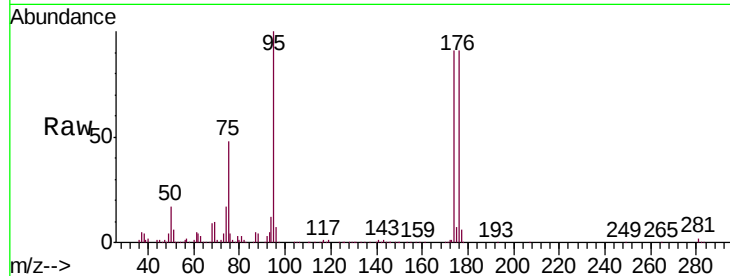




#62
4-Bromofluorobenzene
Concen: 50.632 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VD065514.D
Acq: 16 Mar 2020 16:01

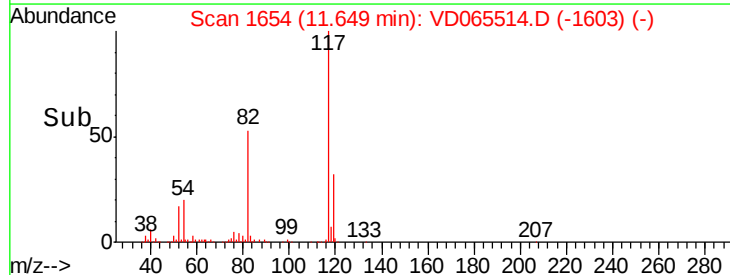
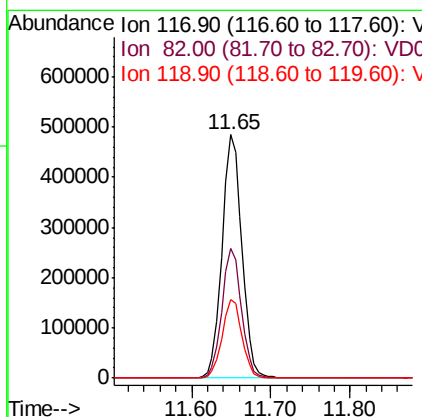
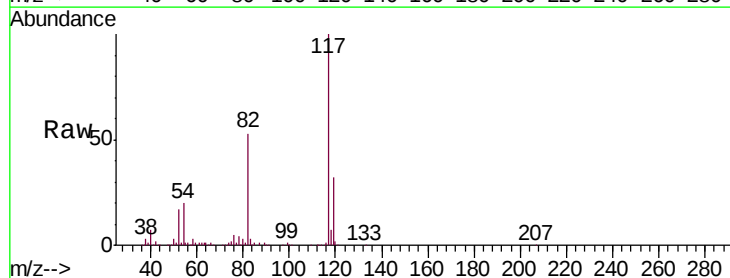
Instrument :
MSVOA_D
ClientSampleId :
VNJ-219

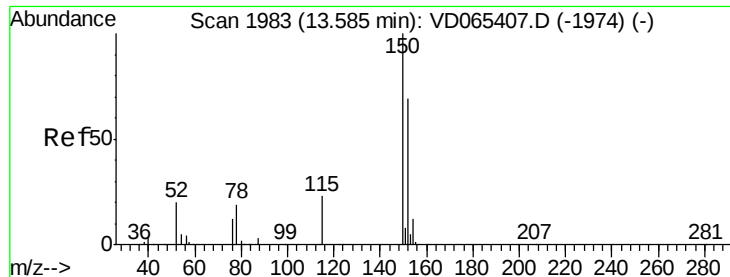
Tgt Ion: 95 Resp: 337232
Ion Ratio Lower Upper
95 100
174 91.3 0.0 176.8
176 88.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065514.D
Acq: 16 Mar 2020 16:01

Tgt Ion: 117 Resp: 837715
Ion Ratio Lower Upper
117 100
82 53.4 40.6 60.8
119 32.3 25.4 38.2



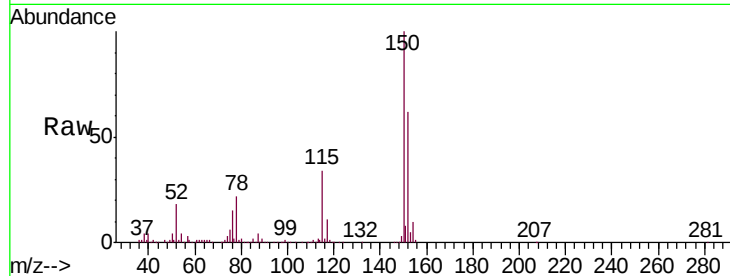


#72

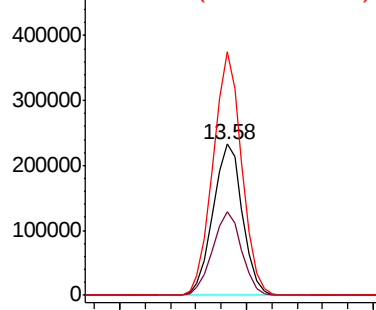
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065514.D
Acq: 16 Mar 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
VNJ-219

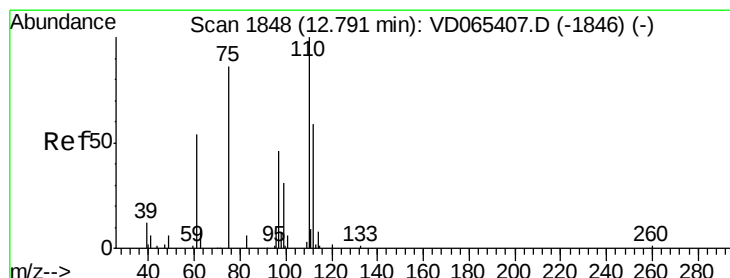
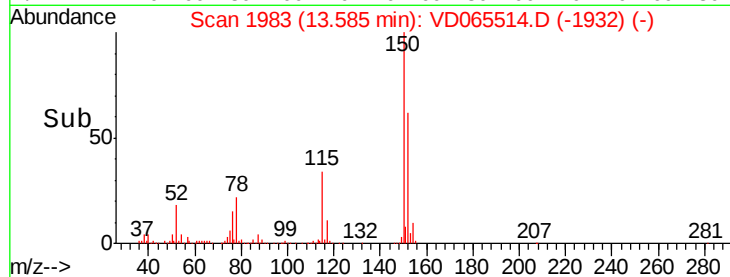
Tgt Ion:152 Resp: 376394
Ion Ratio Lower Upper
152 100
115 54.5 27.6 82.8
150 156.2 0.0 345.0



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



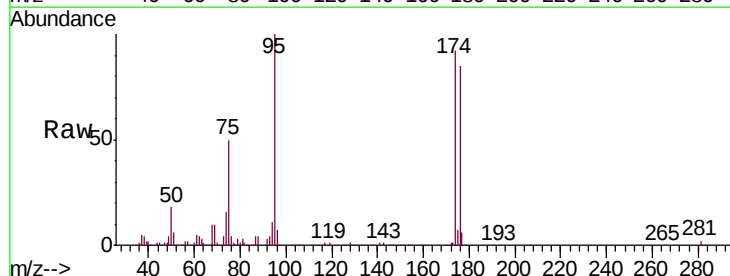
Time-->



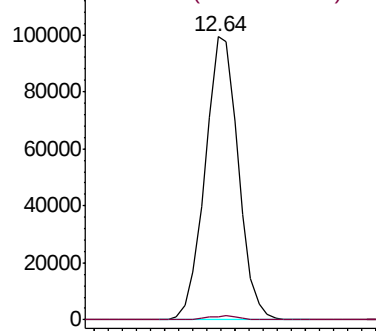
#76

1,2,3-Trichloropropane
Concen: 54.802 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065514.D
Acq: 16 Mar 2020 16:01

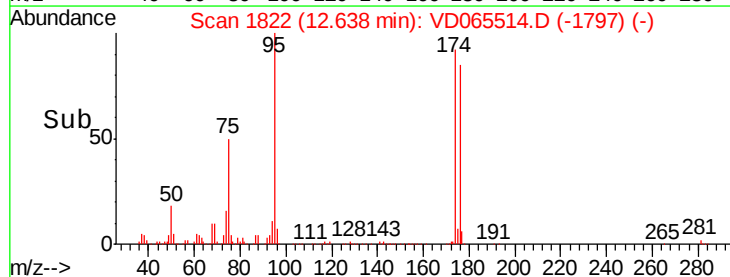
Tgt Ion: 75 Resp: 162766
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

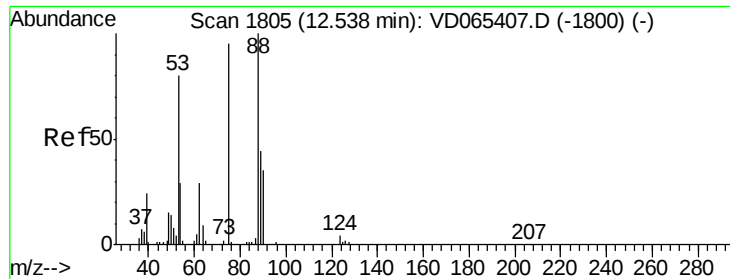


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 115.649 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065514.D

Acq: 16 Mar 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

VNJ-219

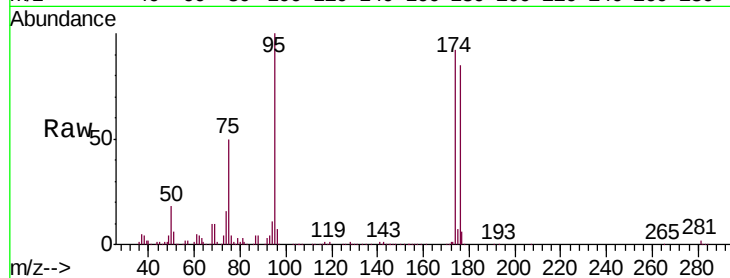
Tgt Ion: 75 Resp: 162766

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

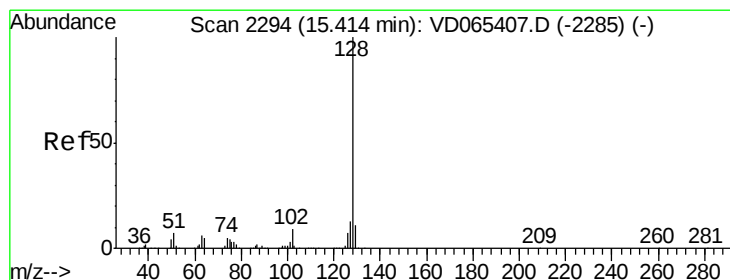
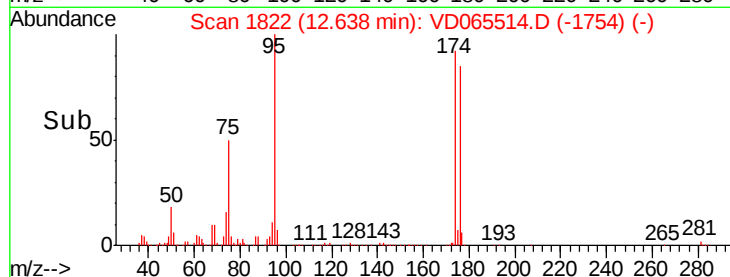
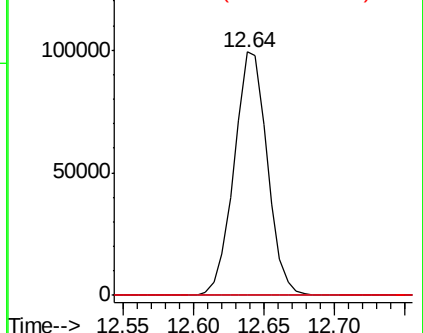
89 0.0 37.0 55.6#



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: 4.516 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065514.D

Acq: 16 Mar 2020 16:01

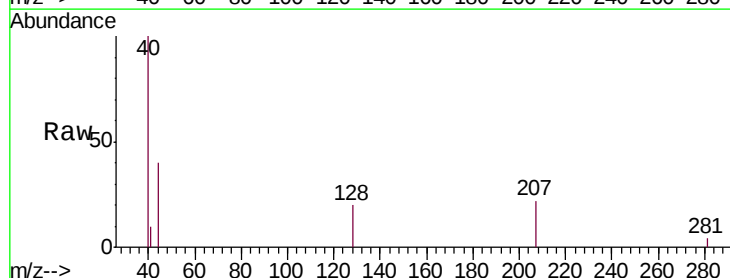
Tgt Ion: 128 Resp: 1449

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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

