

Data File : VU035164.D
Acq On : 14 Oct 2019 21:01
Operator : JC/SP
Sample : K5311-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P0003-DELEGARD-191007-01

Quant Time: Oct 15 07:59:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	150557	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	159616	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44480	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.67	69	43930	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.26	63	68109	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.17	46	158117	60.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.66%
24) Chloroform-d	4.62	84	78784	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.29	65	53590	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.32	84	173933	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.31	67	62703	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.55	98	144733	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	7.84	79	19705	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.30	63	116651	54.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.94%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58303	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	51314	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	21424	1.557 ug/L	100
3) Chloromethane	1.32	50	3657	0.242 ug/L	99
13) Acetone	2.31	43	6588	3.069 ug/L	94
16) Methylene chloride	2.69	84	725	0.061 ug/L #	72
22) cis-1,2-Dichloroethene	4.20	96	11513	0.997 ug/L	97
25) Chloroform	4.65	83	17785	0.769 ug/L	100
34) Trichloroethene	6.17	95	10730	0.865 ug/L	95
35) Methylcyclohexane	6.31	83	14115	0.703 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6977	0.538 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	1246	0.071 ug/L #	74
47) Tetrachloroethene	8.21	164	3580	0.357 ug/L	93
49) Dibromochloromethane	8.21	129	3545	0.356 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	8028	0.956 ug/L	97

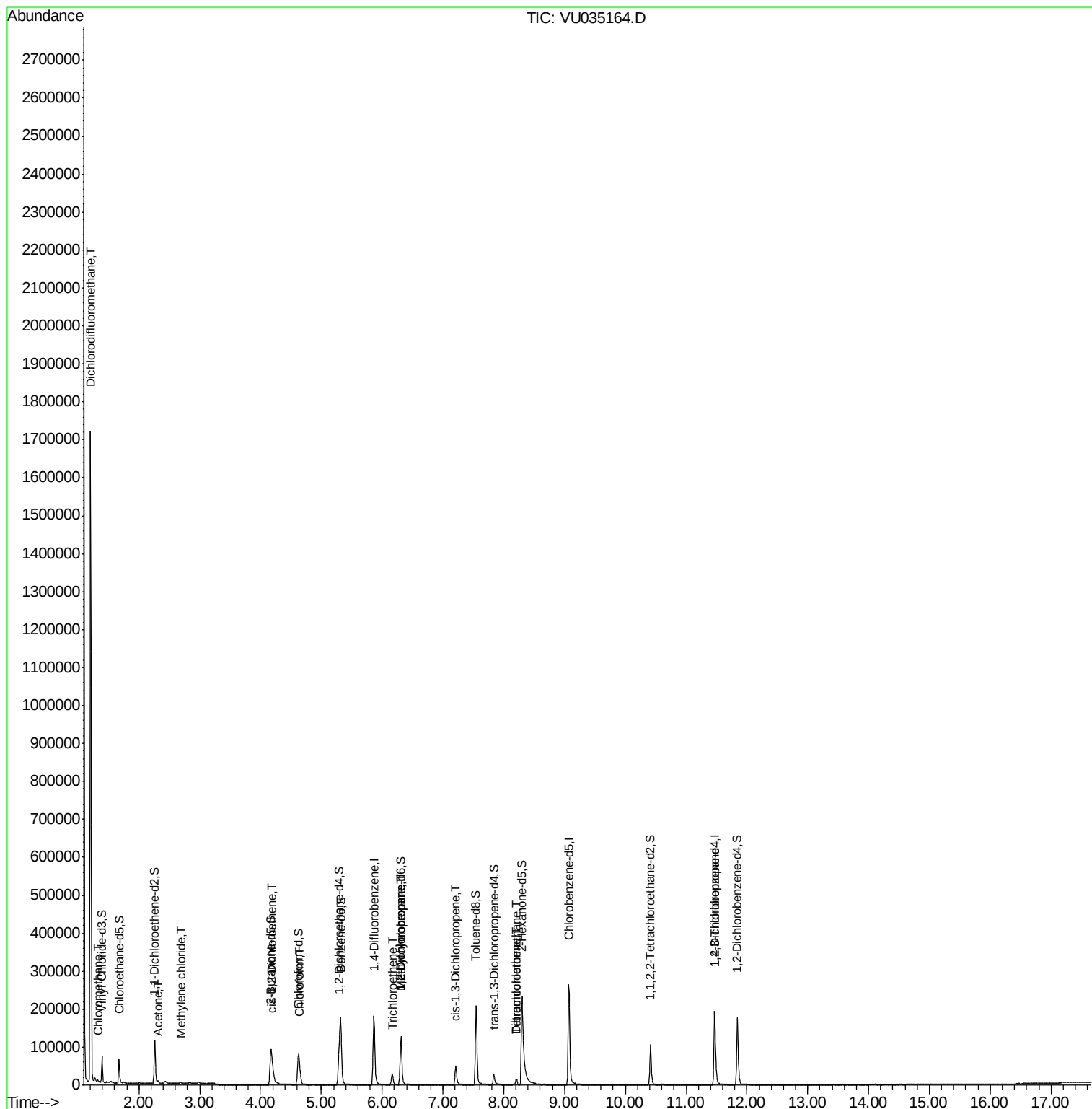
(#) = qualifier out of range (m) = manual integration (+) = signals summed

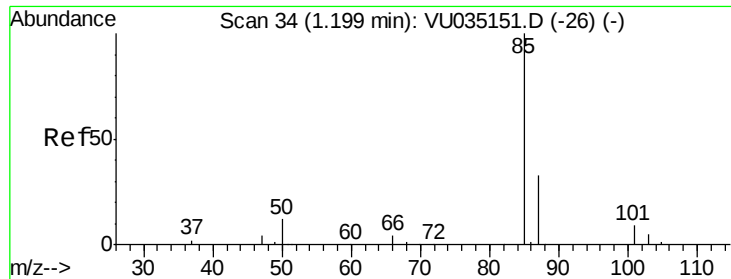
Data File : VU035164.D

```
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#2

Dichlorodifluoromethane

Concen: 1.557 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

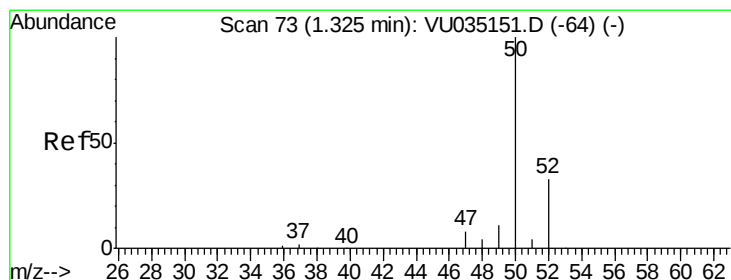
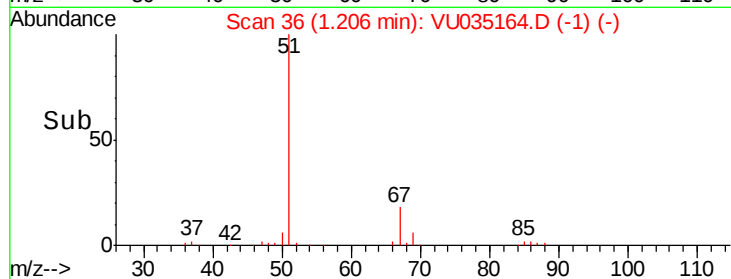
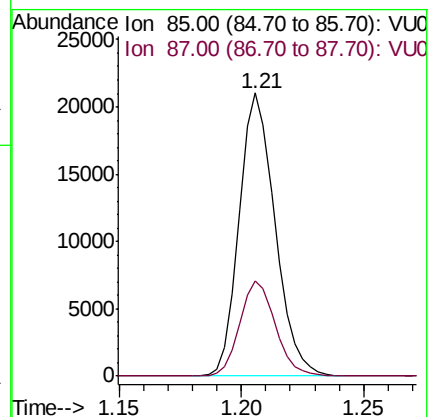
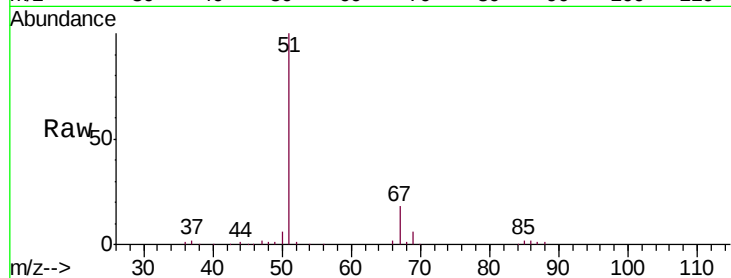
P0003-DELEGARD-191007-01

Tgt Ion: 85 Resp: 21424

Ion Ratio Lower Upper

85 100

87 33.1 26.3 39.5



#3

Chloromethane

Concen: 0.242 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035164.D

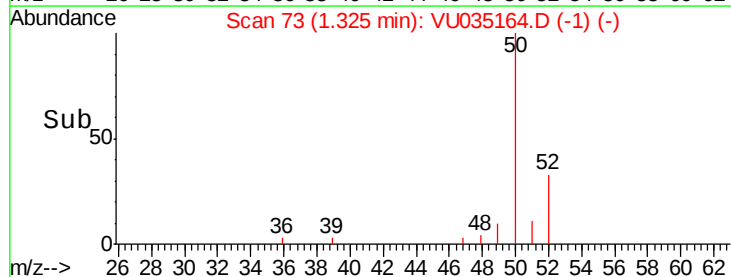
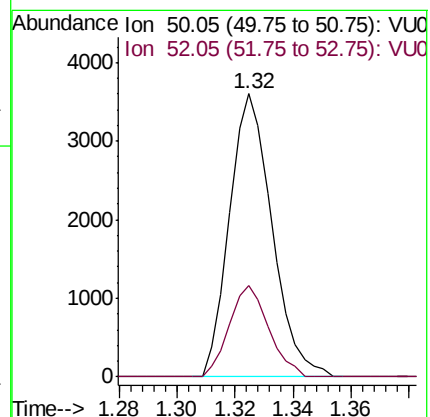
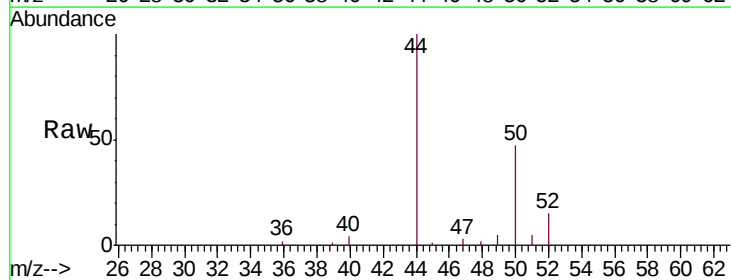
Acq: 14 Oct 2019 21:01

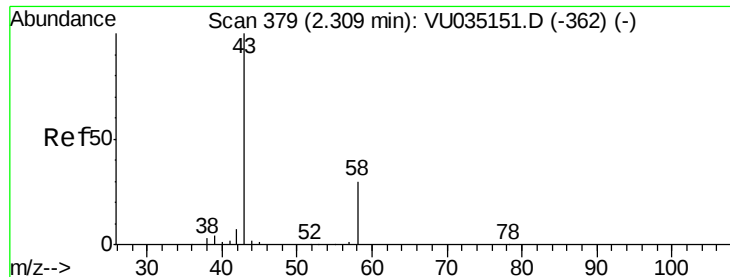
Tgt Ion: 50 Resp: 3657

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3





#13

Acetone

Concen: 3.069 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

Instrument :

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ClientSampleId :

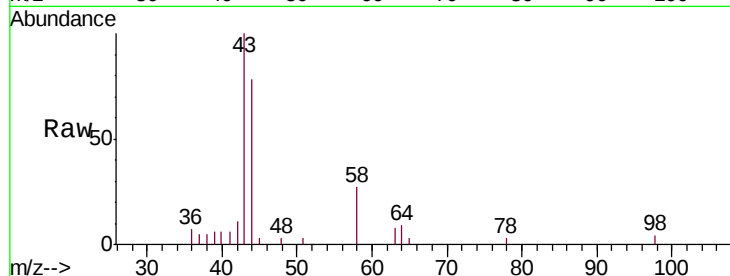
P0003-DELEGARD-191007-01

Tgt Ion: 43 Resp: 6588

Ion Ratio Lower Upper

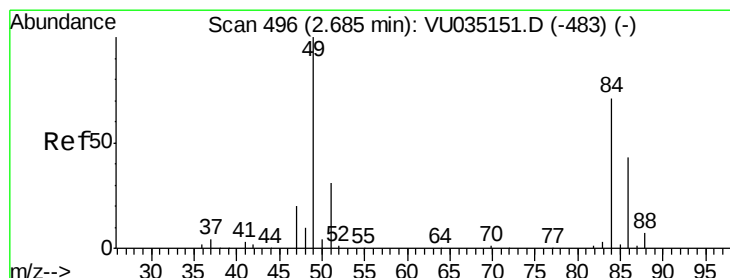
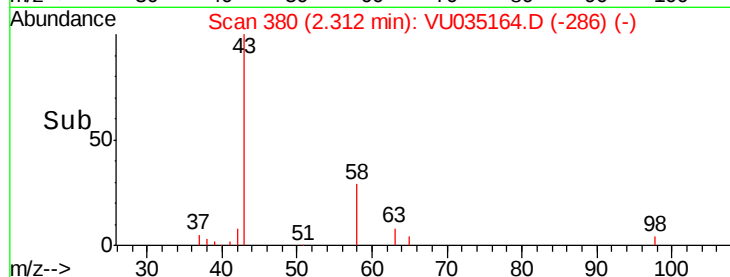
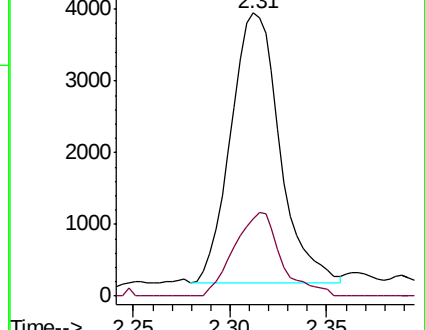
43 100

58 30.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035164.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035164.D (-286) (-)



#16

Methylene chloride

Concen: 0.061 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

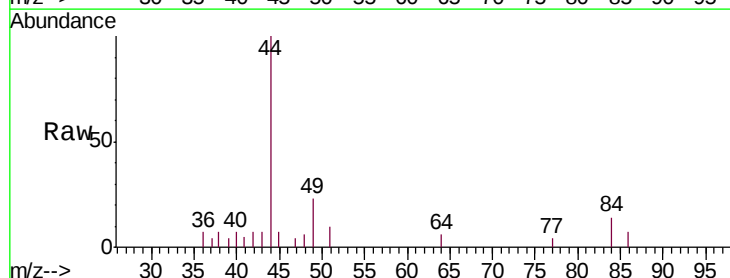
Tgt Ion: 84 Resp: 725

Ion Ratio Lower Upper

84 100

86 52.1 42.5 78.9

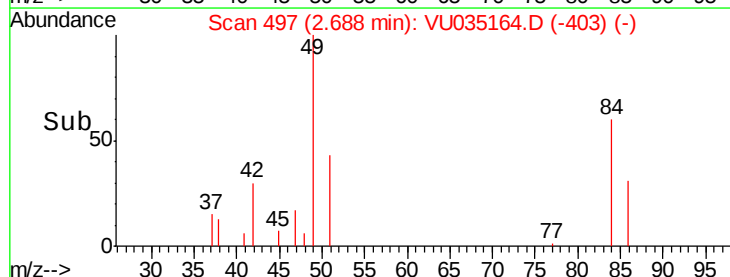
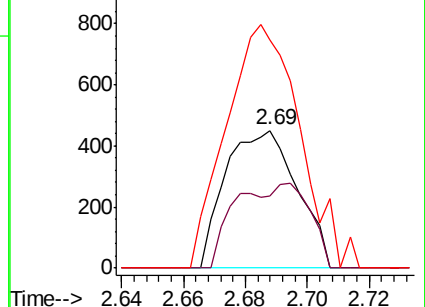
49 165.9 86.9 161.3#

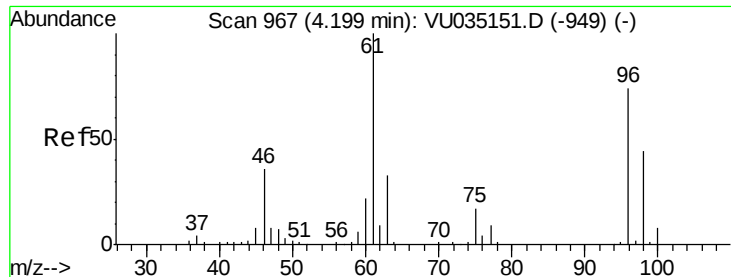


Abundance Ion 84.05 (83.75 to 84.75): VU035164.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU035164.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU035164.D (-403) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.997 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

P0003-DELEGARD-191007-01

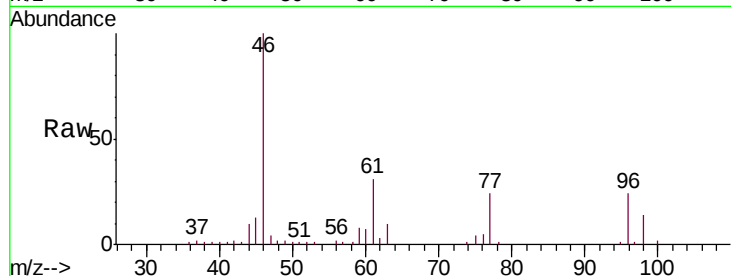
Tgt Ion: 96 Resp: 11513

Ion Ratio Lower Upper

96 100

61 130.7 89.2 165.6

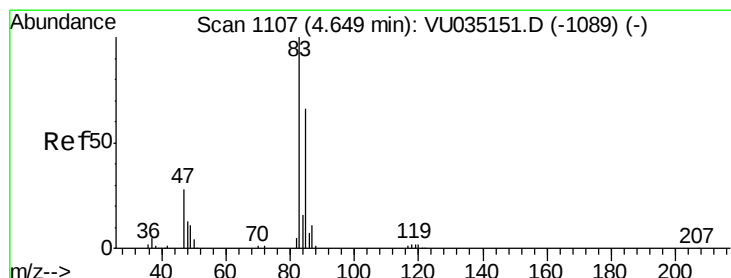
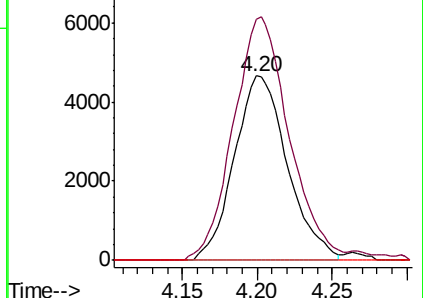
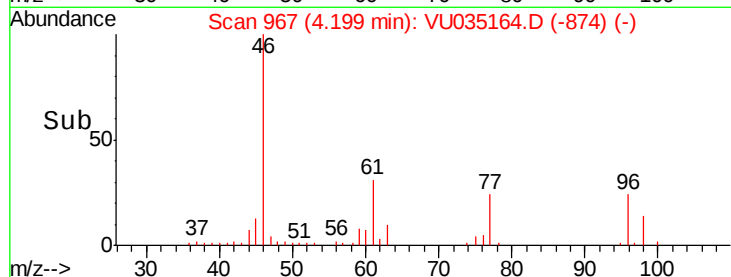
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035164.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035164.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035164.D (-874) (-)



#25

Chloroform

Concen: 0.769 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU035164.D

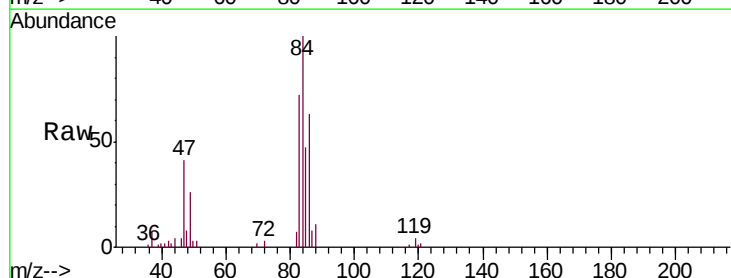
Acq: 14 Oct 2019 21:01

Tgt Ion: 83 Resp: 17785

Ion Ratio Lower Upper

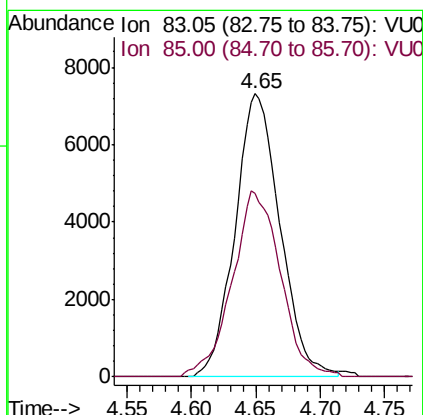
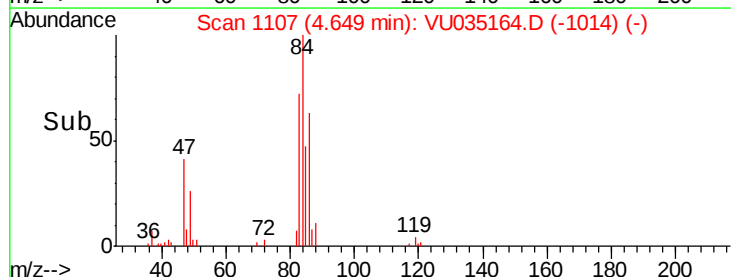
83 100

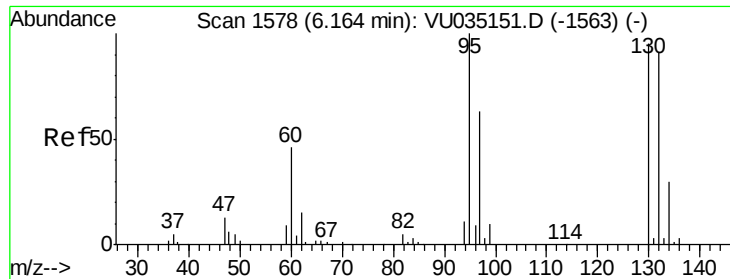
85 64.8 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035164.D (-1014) (-)

Ion 85.00 (84.70 to 85.70): VU035164.D (-1014) (-)





#34

Trichloroethene

Concen: 0.865 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

P0003-DELEGARD-191007-01

Tgt Ion: 95 Resp: 10730

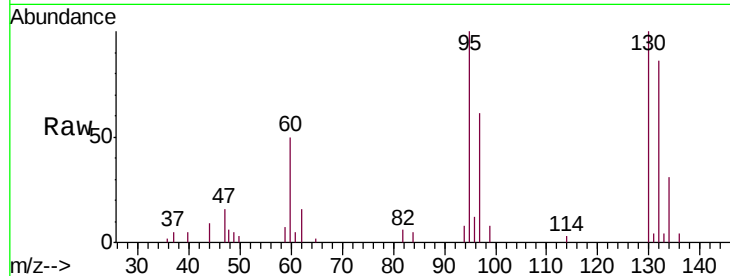
Ion Ratio Lower Upper

95 100

97 61.2 44.5 82.7

132 86.3 66.6 123.8

130 99.7 68.9 127.9

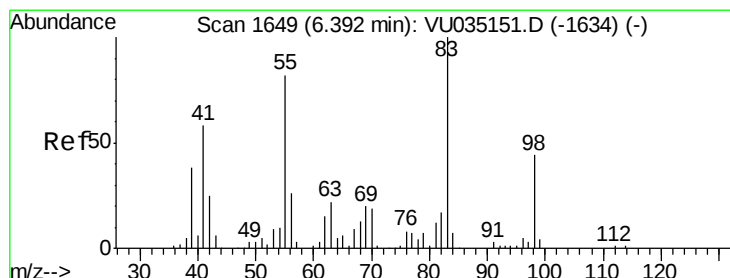
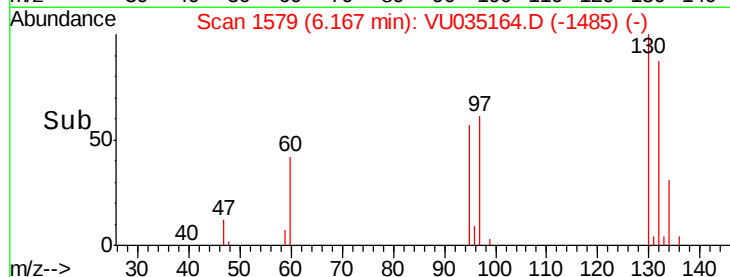
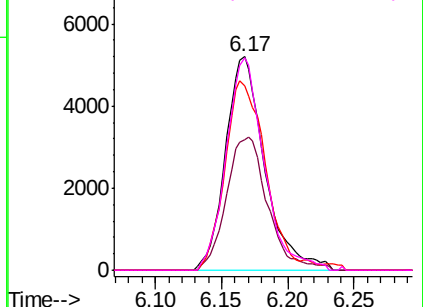


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.703 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

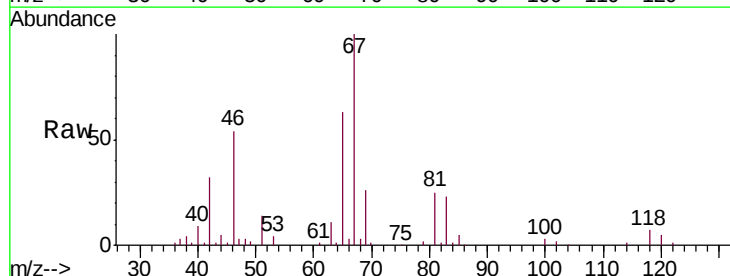
Tgt Ion: 83 Resp: 14115

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

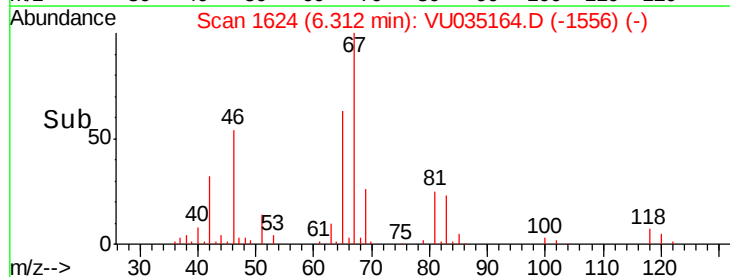
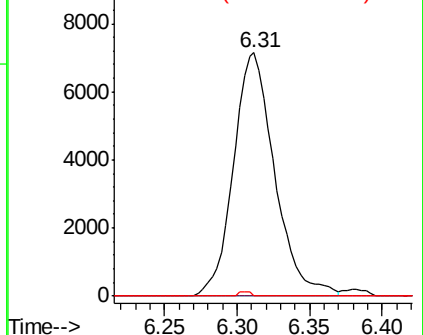
98 0.5 36.2 54.2#

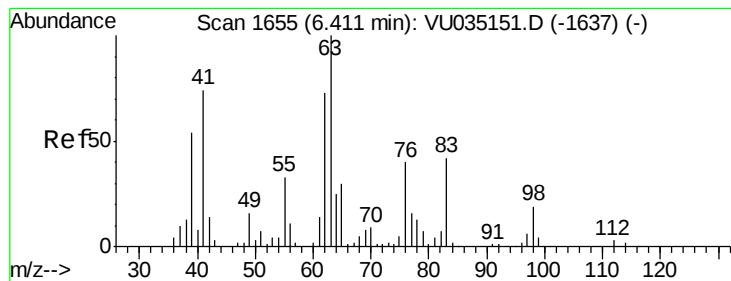


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.538 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

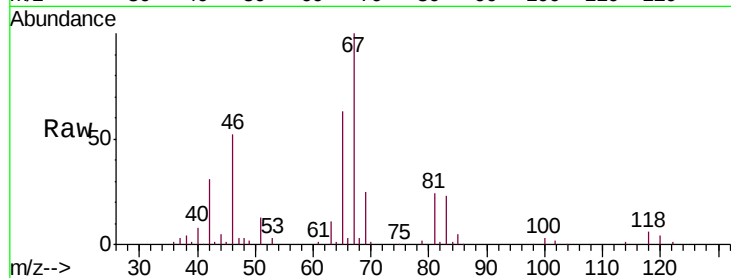
P0003-DELEGARD-191007-01

Tgt Ion: 63 Resp: 6977

Ion Ratio Lower Upper

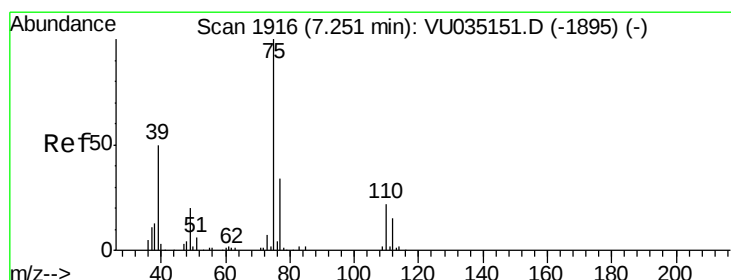
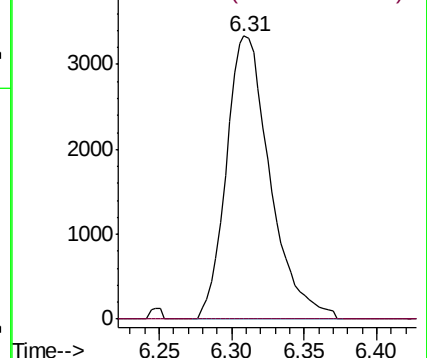
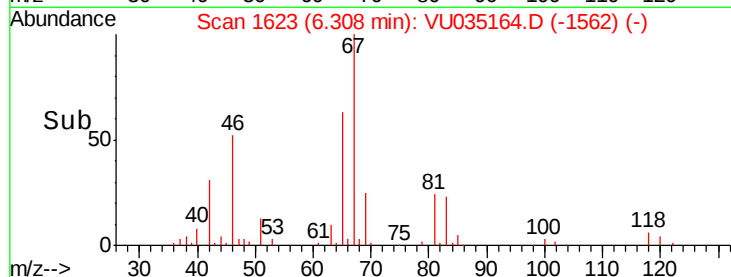
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035164.D (-1623) (-)

Ion 112.10 (111.80 to 112.80): VU035164.D (-1623) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.21 min Scan# 1904

Delta R.T. -0.04 min

Lab File: VU035164.D

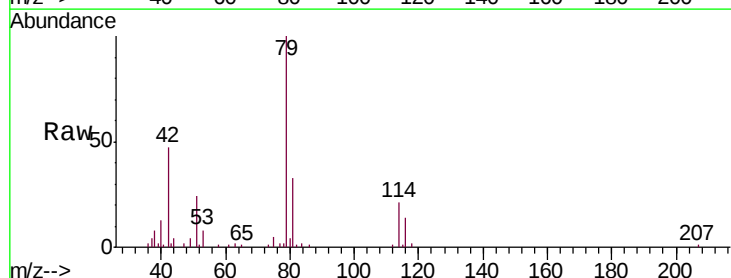
Acq: 14 Oct 2019 21:01

Tgt Ion: 75 Resp: 1246

Ion Ratio Lower Upper

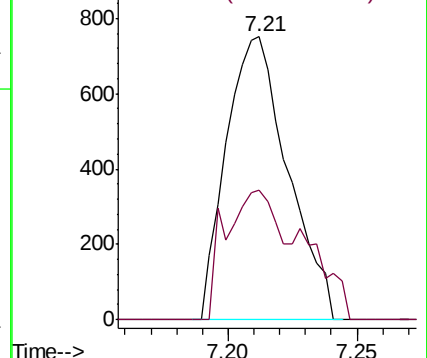
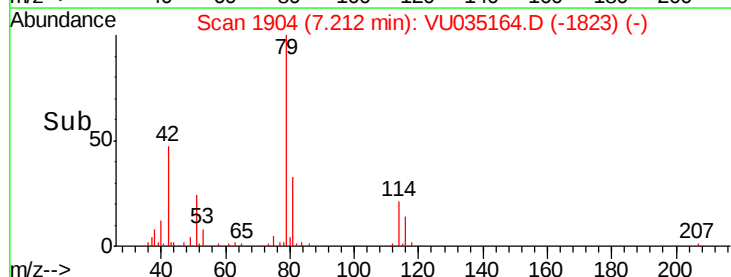
75 100

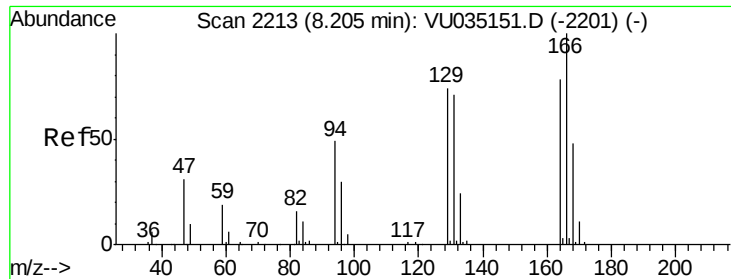
77 45.8 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035164.D (-1823) (-)

Ion 77.05 (76.75 to 77.75): VU035164.D (-1823) (-)





#47

Tetrachloroethene

Concen: 0.357 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:164 Resp: 3580

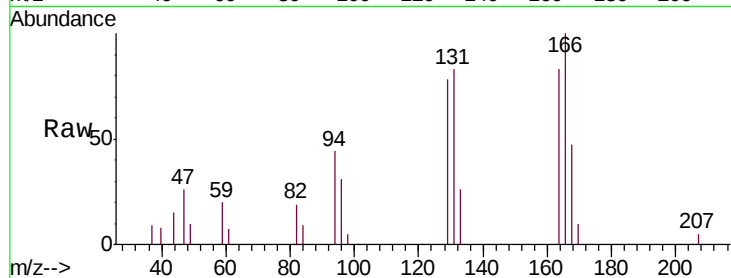
Ion Ratio Lower Upper

164 100

129 93.9 68.5 127.1

131 99.5 67.3 124.9

166 120.3 93.1 172.9

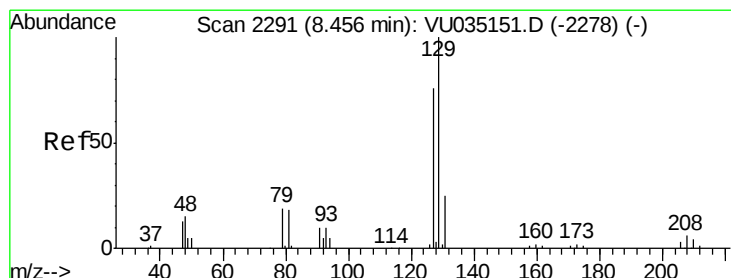
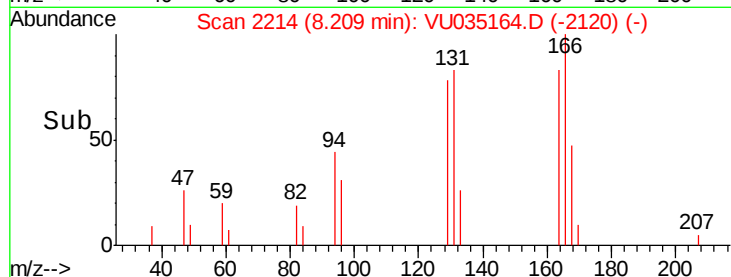
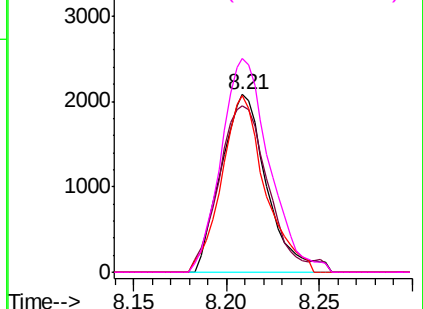


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.356 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU035164.D

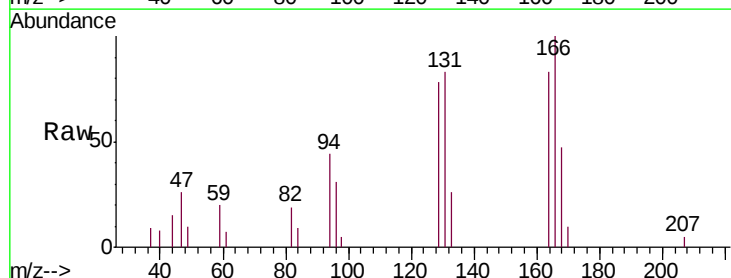
Acq: 14 Oct 2019 21:01

Tgt Ion:129 Resp: 3545

Ion Ratio Lower Upper

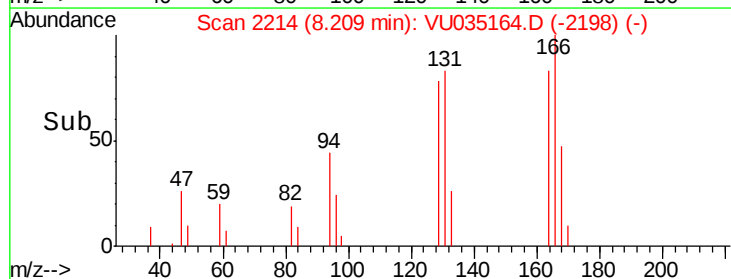
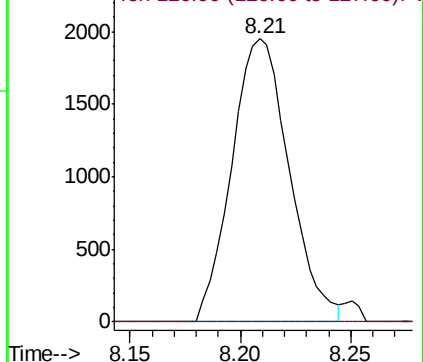
129 100

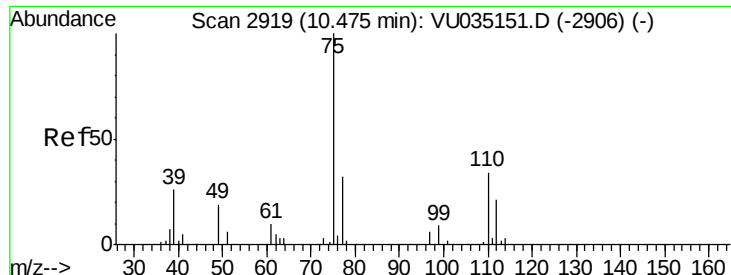
127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.956 ug/L

RT: 11.47 min Scan# 3229

Delta R.T. 1.00 min

Lab File: VU035164.D

Acq: 14 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

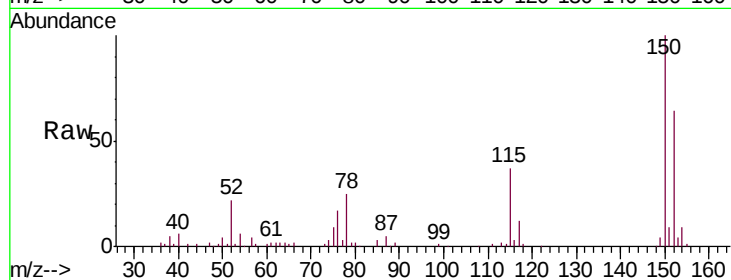
P0003-DELEGARD-191007-01

Tgt Ion: 75 Resp: 8028

Ion Ratio Lower Upper

75 100

77 34.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

