

Data File : VU036143.D
Acq On : 11 Dec 2019 19:49
Operator : JC/MD
Sample : K6214-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BD805RE

Quant Time: Dec 12 06:16:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	292673	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	315777	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	81628	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121184	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.93	69	121296	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	133360	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	4.68	46	268904	60.49	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.98%
24) Chloroform-d	5.11	84	207301	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.75	65	107286	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.77	84	384280	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.73	67	126748	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.93	98	301762	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.21	79	43317	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.67	63	205247	56.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.92%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	111412	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	77638	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

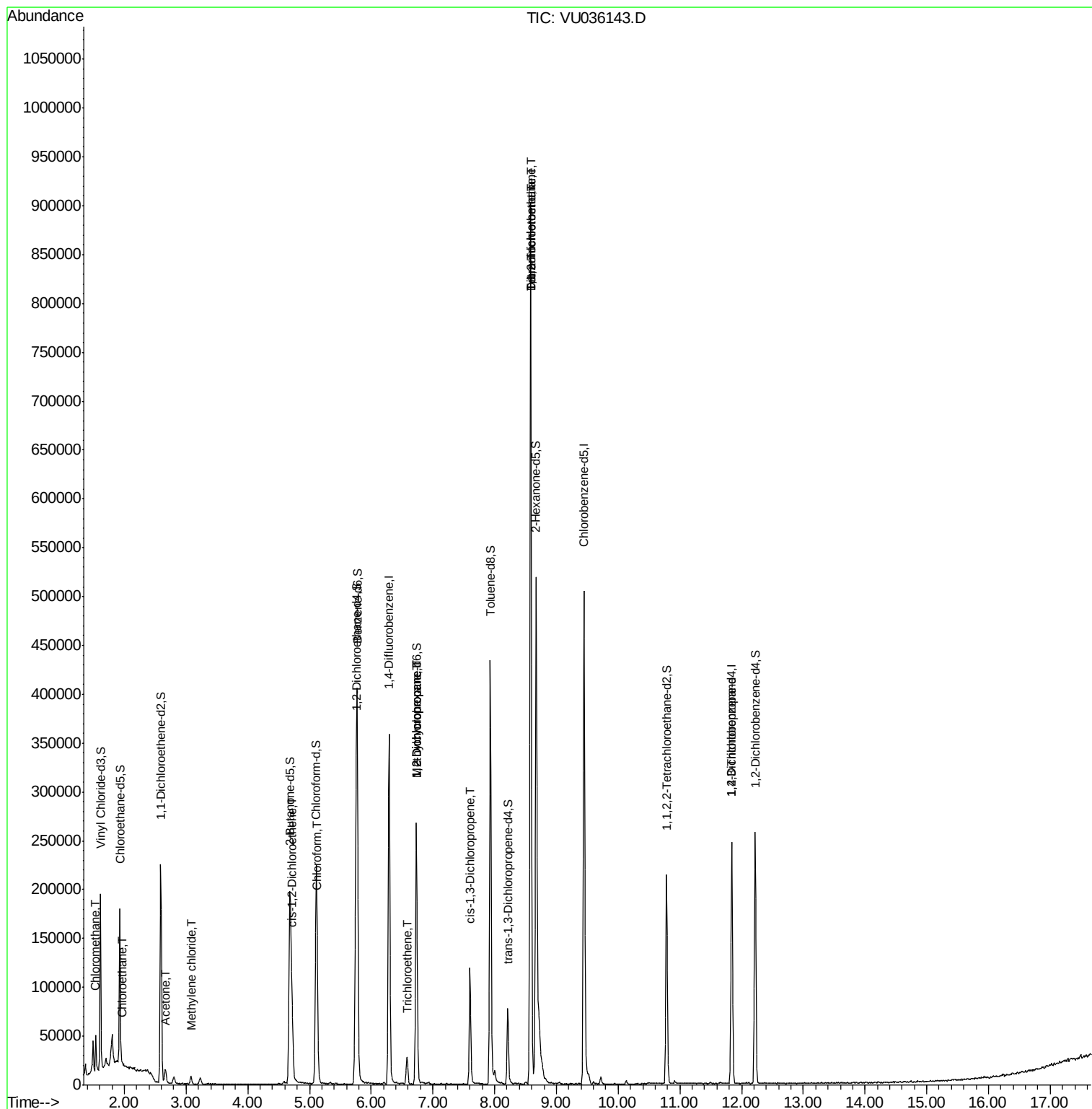
					Qvalue
3) Chloromethane	1.54	50	25092	0.893 ug/L	98
8) Chloroethane	1.97	64	1579	0.071 ug/L #	57
13) Acetone	2.66	43	13191	2.338 ug/L	93
16) Methylene chloride	3.08	84	4063	0.137 ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	33971	1.489 ug/L	91
25) Chloroform	5.13	83	16603	0.382 ug/L	91
34) Trichloroethene	6.58	95	9469	0.413 ug/L	86
35) Methylcyclohexane	6.73	83	30123	0.980 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	13972	0.645 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2879	0.098 ug/L #	39
45) 1,1,2-Trichloroethane	8.58	97	1757	0.103 ug/L #	1
47) Tetrachloroethene	8.58	164	216857	9.954 ug/L	99
49) Dibromochloromethane	8.58	129	187696	8.296 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8654	0.559 ug/L #	87

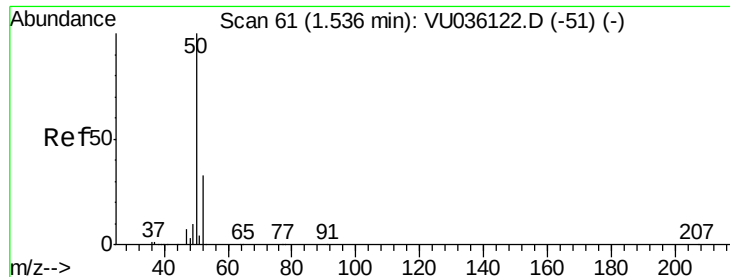
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.893 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036143.D

Acq: 11 Dec 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

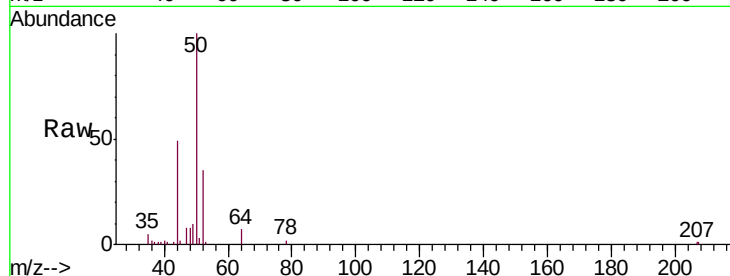
BD805RE

Tgt Ion: 50 Resp: 25092

Ion Ratio Lower Upper

50 100

52 34.8 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036122.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036122.D (-51) (-)

25000

20000

15000

10000

5000

0

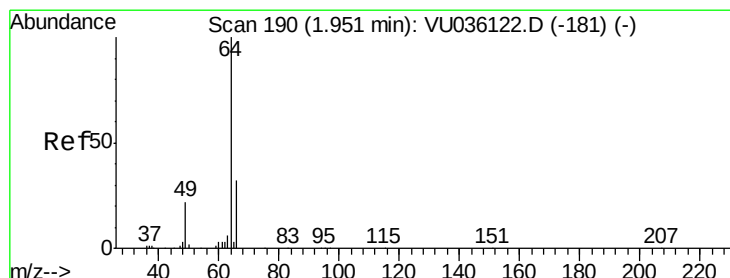
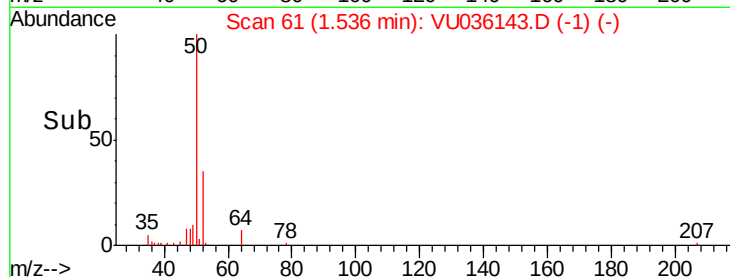
1.50

1.54

1.55

1.60

Time-->



#8

Chloroethane

Concen: 0.071 ug/L

RT: 1.97 min Scan# 196

Delta R.T. 0.02 min

Lab File: VU036143.D

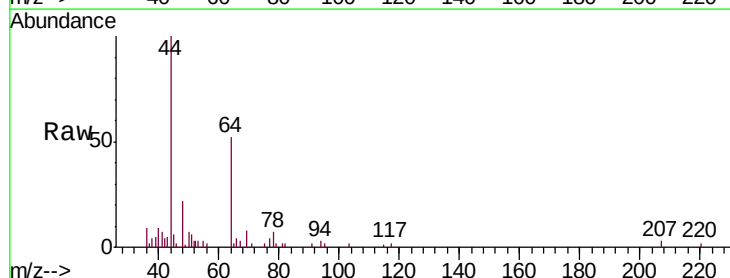
Acq: 11 Dec 2019 19:49

Tgt Ion: 64 Resp: 1579

Ion Ratio Lower Upper

64 100

66 7.1 21.5 39.9#



Abundance Ion 64.10 (63.80 to 64.80): VU036122.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU036122.D (-181) (-)

4000

3000

2000

1000

0

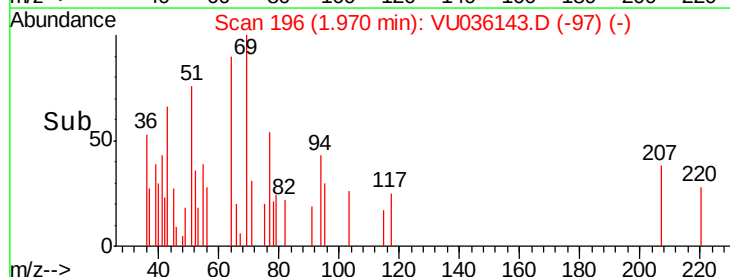
1.94

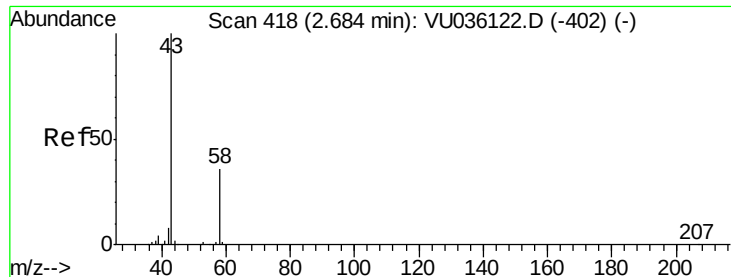
1.96

1.97

1.98

Time-->





#13

Acetone

Concen: 2.338 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU036143.D

Acq: 11 Dec 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

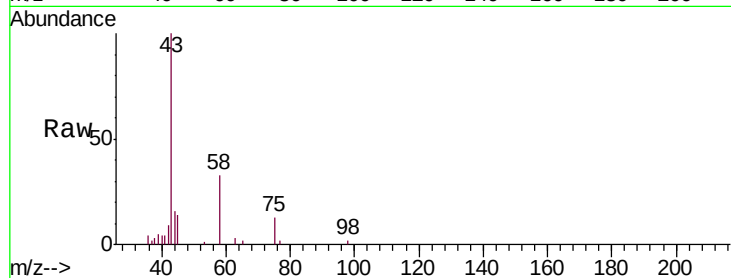
BD805RE

Tgt Ion: 43 Resp: 13191

Ion Ratio Lower Upper

43 100

58 33.0 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036122.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036122.D (-402) (-)

2.66

8000

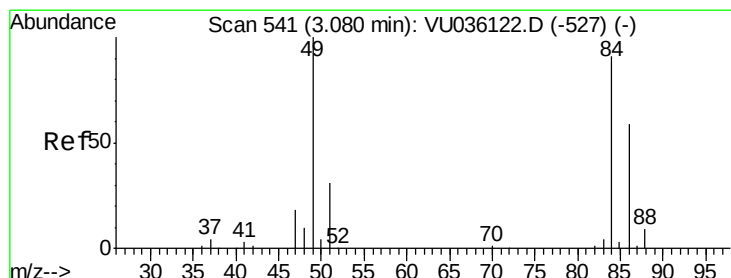
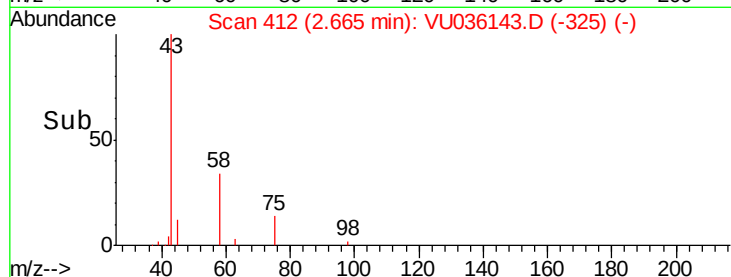
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 0.137 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU036143.D

Acq: 11 Dec 2019 19:49

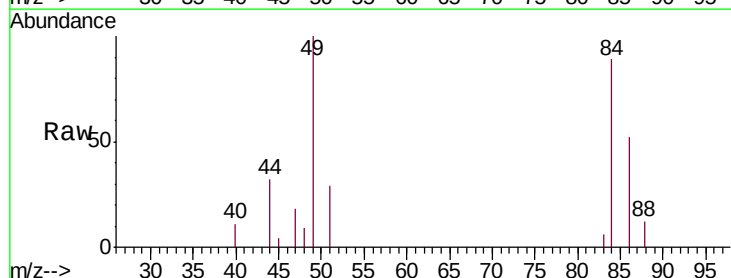
Tgt Ion: 84 Resp: 4063

Ion Ratio Lower Upper

84 100

86 58.8 47.5 88.3

49 112.6 76.9 142.9



Abundance Ion 84.05 (83.75 to 84.75): VU036122.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036122.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036122.D (-527) (-)

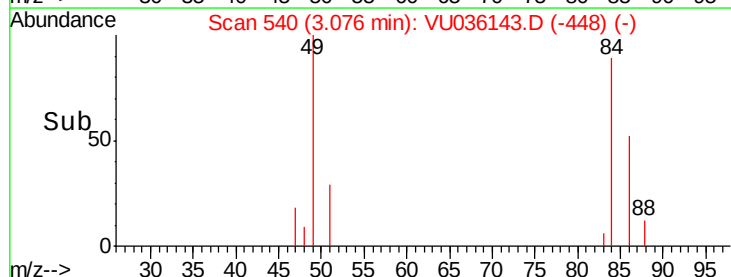
3000

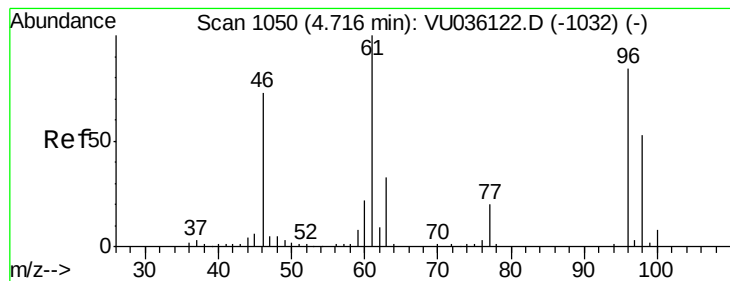
2000

1000

0

Time-->





#22

cis-1,2-Dichloroethene

Concen: 1.489 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036143.D

Acq: 11 Dec 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

BD805RE

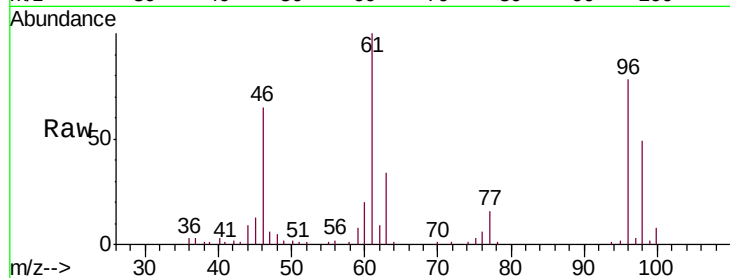
Tgt Ion: 96 Resp: 33971

Ion Ratio Lower Upper

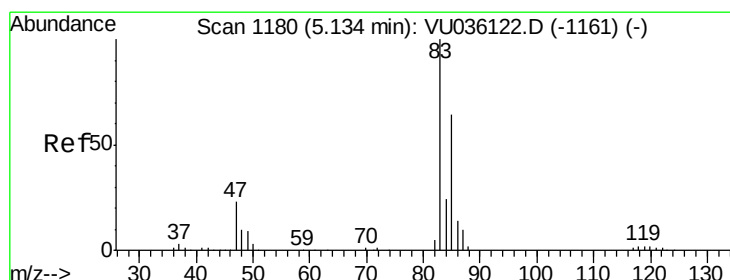
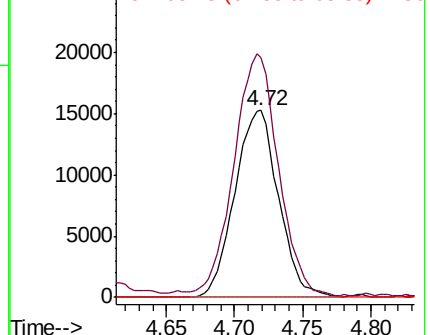
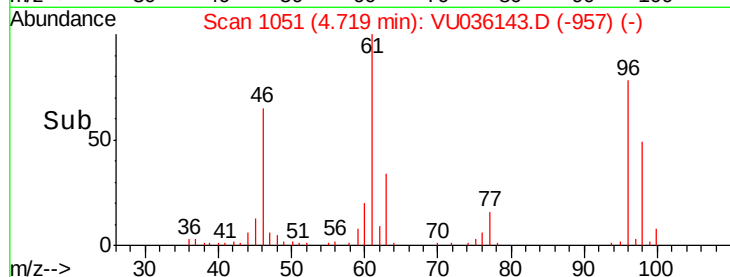
96 100

61 128.5 83.0 154.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036143.D (-957) (-)



#25

Chloroform

Concen: 0.382 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU036143.D

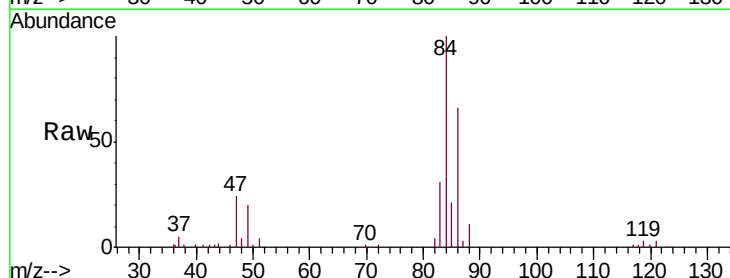
Acq: 11 Dec 2019 19:49

Tgt Ion: 83 Resp: 16603

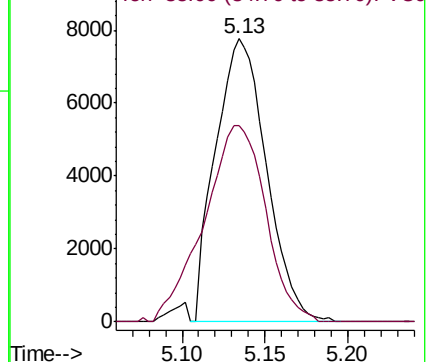
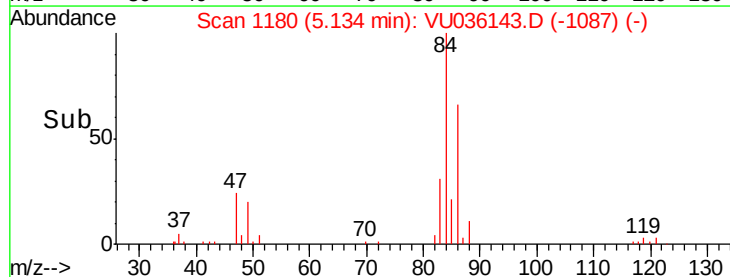
Ion Ratio Lower Upper

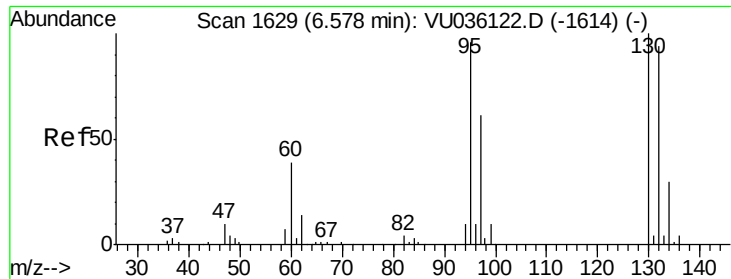
83 100

85 69.3 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036143.D (-1087) (-)





#34

Trichloroethene

Concen: 0.413 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036143.D

Acq: 11 Dec 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

BD805RE

Tgt Ion: 95 Resp: 9469

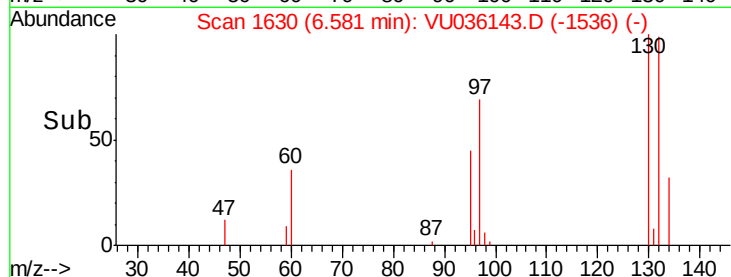
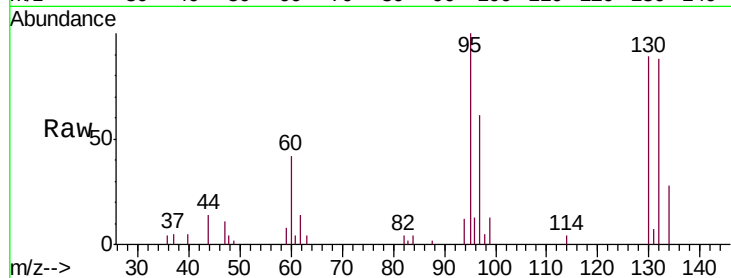
Ion Ratio Lower Upper

95 100

97 61.0 44.4 82.4

132 88.0 73.4 136.4

130 88.7 75.9 141.1



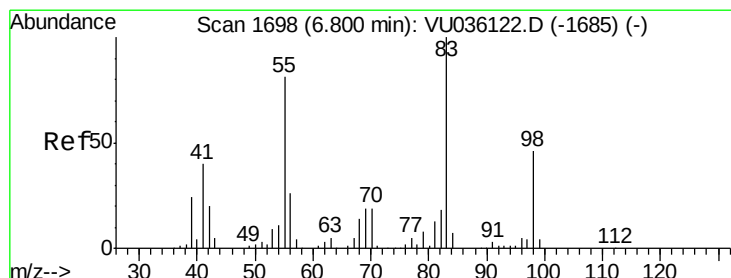
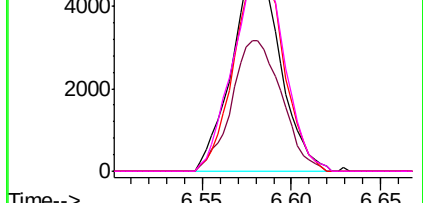
Abundance Ion 95.00 (94.70 to 95.70): VU036143.D (-1536) (-)

Ion 96.95 (96.65 to 97.65): VU036143.D (-1536) (-)

Ion 131.95 (131.65 to 132.65): VU036143.D (-1536) (-)

Ion 129.95 (129.65 to 130.65): VU036143.D (-1536) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.980 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036143.D

Acq: 11 Dec 2019 19:49

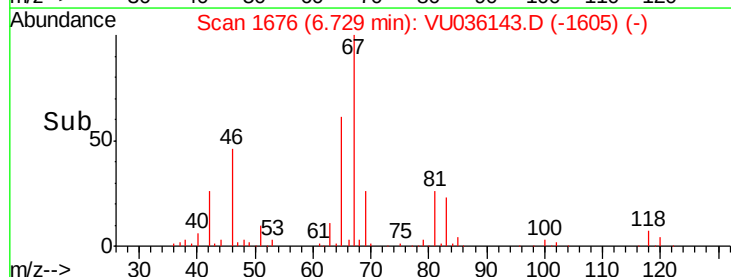
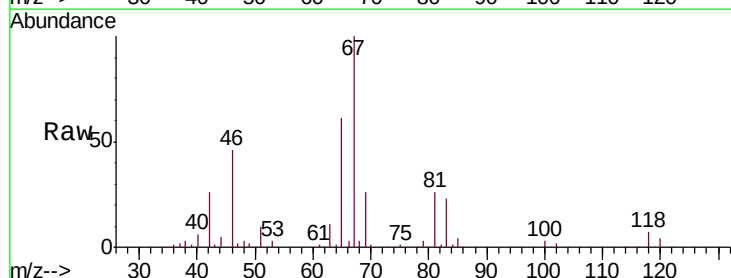
Tgt Ion: 83 Resp: 30123

Ion Ratio Lower Upper

83 100

55 0.1 62.1 93.1#

98 1.5 37.0 55.4#

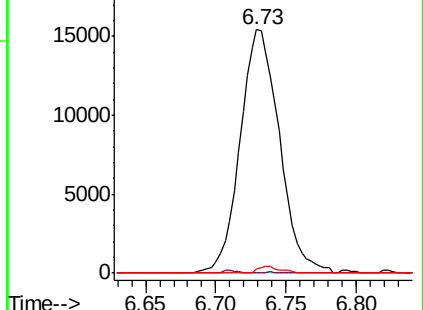


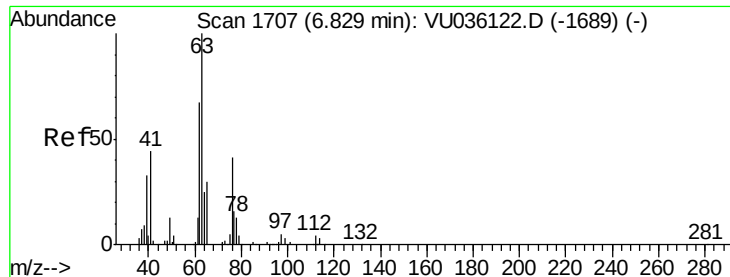
Abundance Ion 83.15 (82.85 to 83.85): VU036143.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036143.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036143.D (-1605) (-)

Time-->

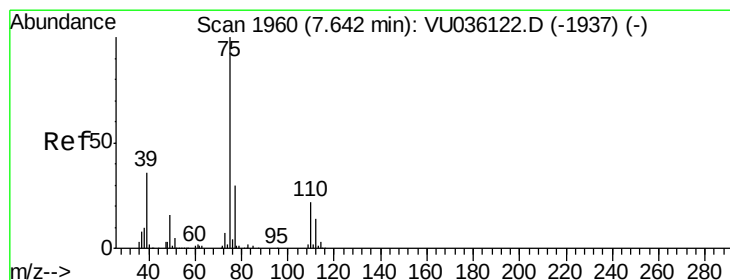
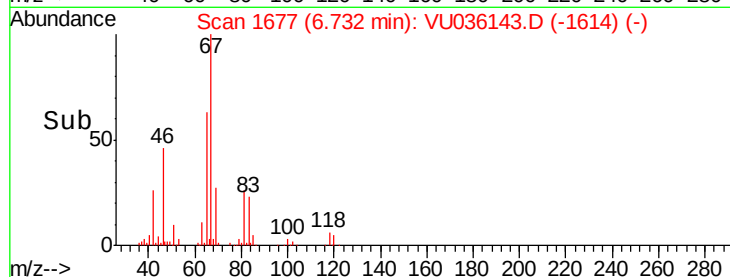
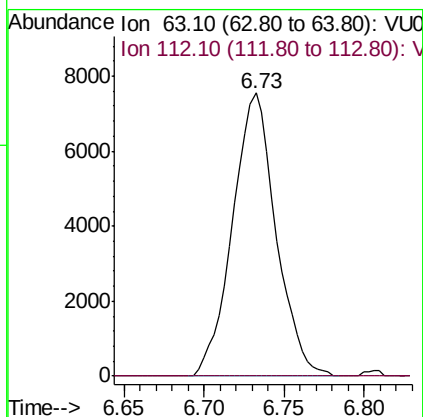
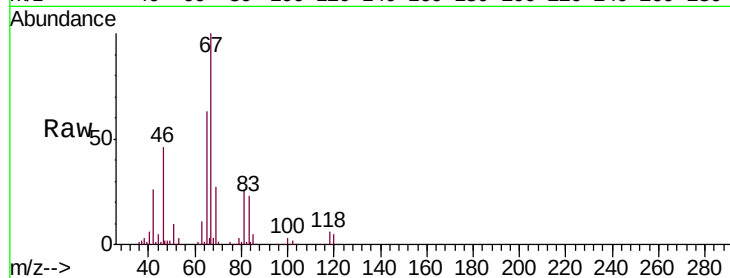




#37
 1,2-Dichloropropane
 Concen: 0.645 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU036143.D
 Acq: 11 Dec 2019 19:49

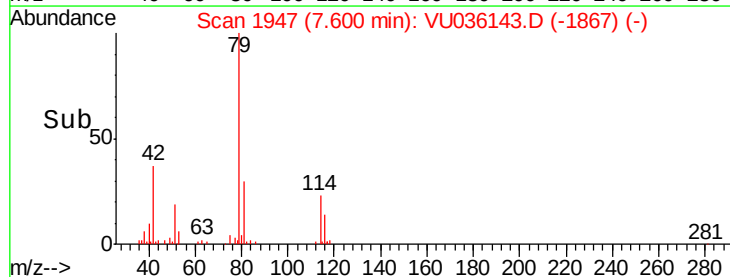
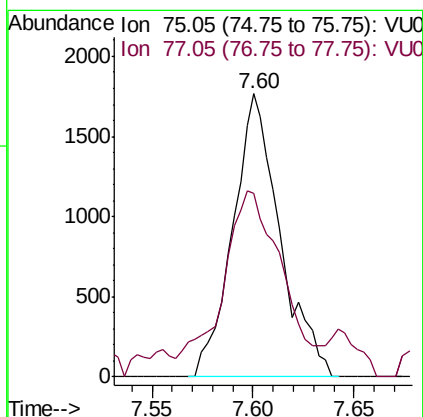
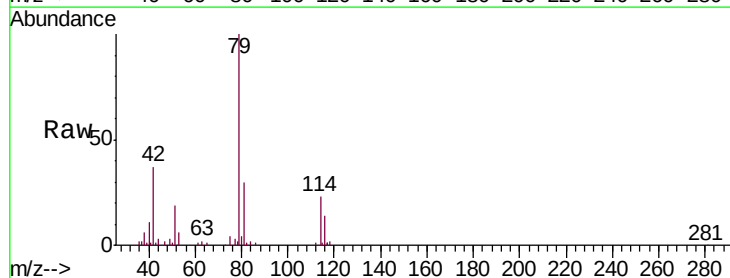
Instrument :
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 ClientSampleId :
 BD805RE

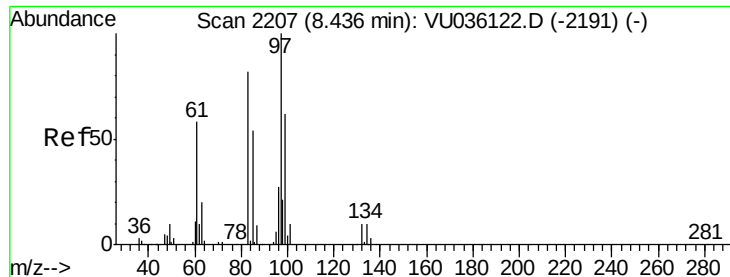
Tgt Ion: 63 Resp: 13972
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036143.D
 Acq: 11 Dec 2019 19:49

Tgt Ion: 75 Resp: 2879
 Ion Ratio Lower Upper
 75 100
 77 64.7 21.7 40.3#

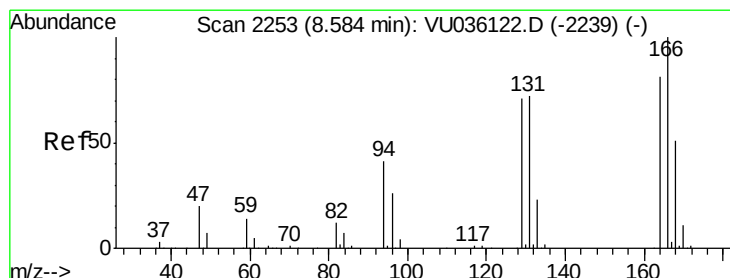
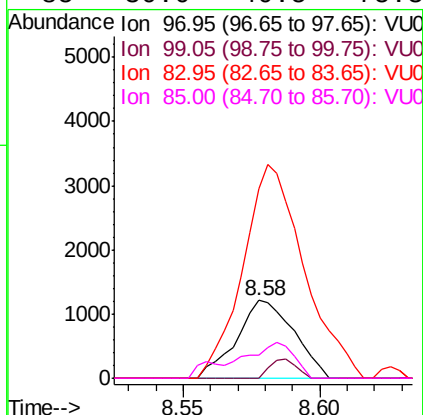
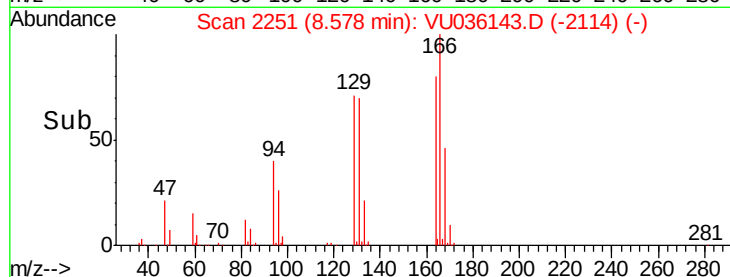
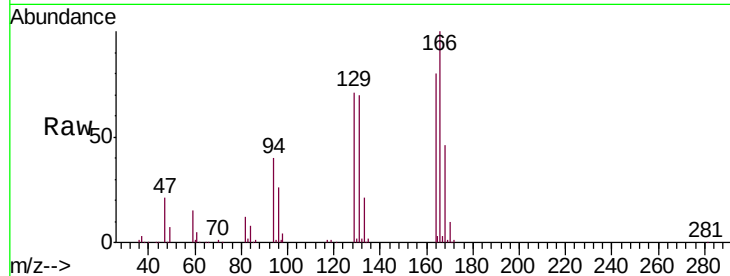




#45
1,1,2-Trichloroethane
Concen: 0.103 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.14 min
Lab File: VU036143.D
Acq: 11 Dec 2019 19:49

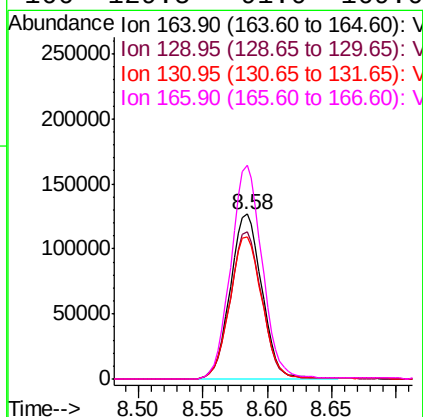
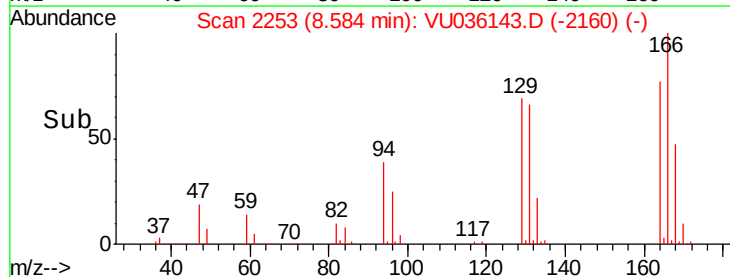
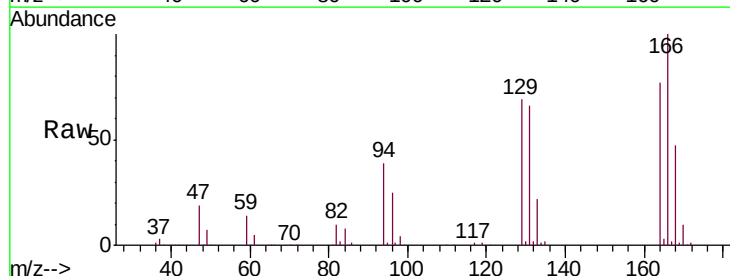
Instrument :
MSVOA_U
ClientSampleId :
BD805RE

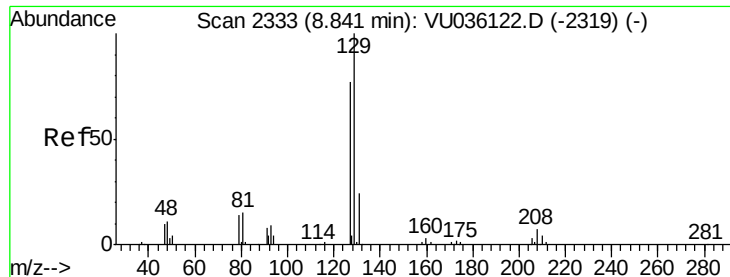
Tgt Ion:	97	Resp:	1757
Ion	Ratio	Lower	Upper
97	100		
99	0.0	46.1	85.7#
83	243.8	59.6	110.8#
85	30.0	40.5	75.3#



#47
Tetrachloroethene
Concen: 9.954 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU036143.D
Acq: 11 Dec 2019 19:49

Tgt Ion:	164	Resp:	216857
Ion	Ratio	Lower	Upper
164	100		
129	89.4	63.1	117.3
131	85.9	61.5	114.1
166	129.5	91.0	169.0





#49

Dibromochloromethane

Concen: 8.296 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036143.D

Acq: 11 Dec 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

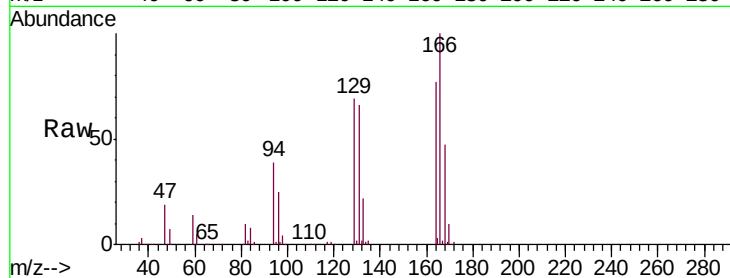
BD805RE

Tgt Ion:129 Resp: 187696

Ion Ratio Lower Upper

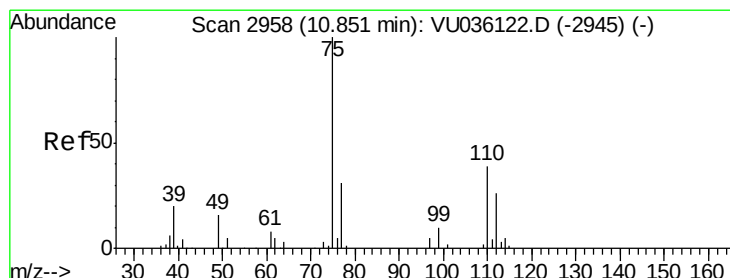
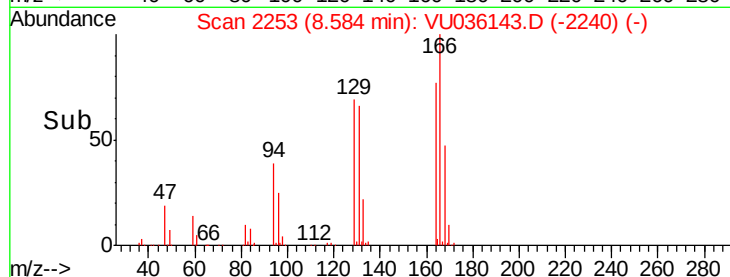
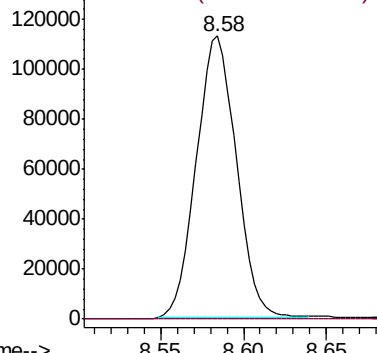
129 100

127 0.0 52.5 97.5#



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: 0.559 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036143.D

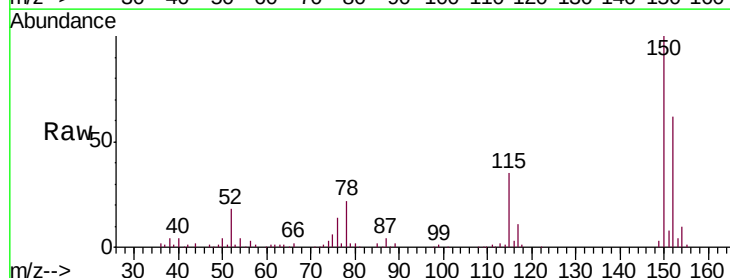
Acq: 11 Dec 2019 19:49

Tgt Ion: 75 Resp: 8654

Ion Ratio Lower Upper

75 100

77 41.0 26.7 40.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

