

Data File : VU035165.D
Acq On : 14 Oct 2019 21:25
Operator : JC/SP
Sample : K5311-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P0004-TILLET-101005-01

Quant Time: Oct 15 08:03:13 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	5.87	114	152482	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	161752	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	57011	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44696	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.68	69	45351	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.26	63	65881	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.17	46	142191	53.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	4.63	84	81928	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.29	65	51894	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.32	84	169384	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.31	67	61840	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.55	98	147239	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	7.84	79	17246	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.31	63	101847	46.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.86%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	51544	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	49959	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

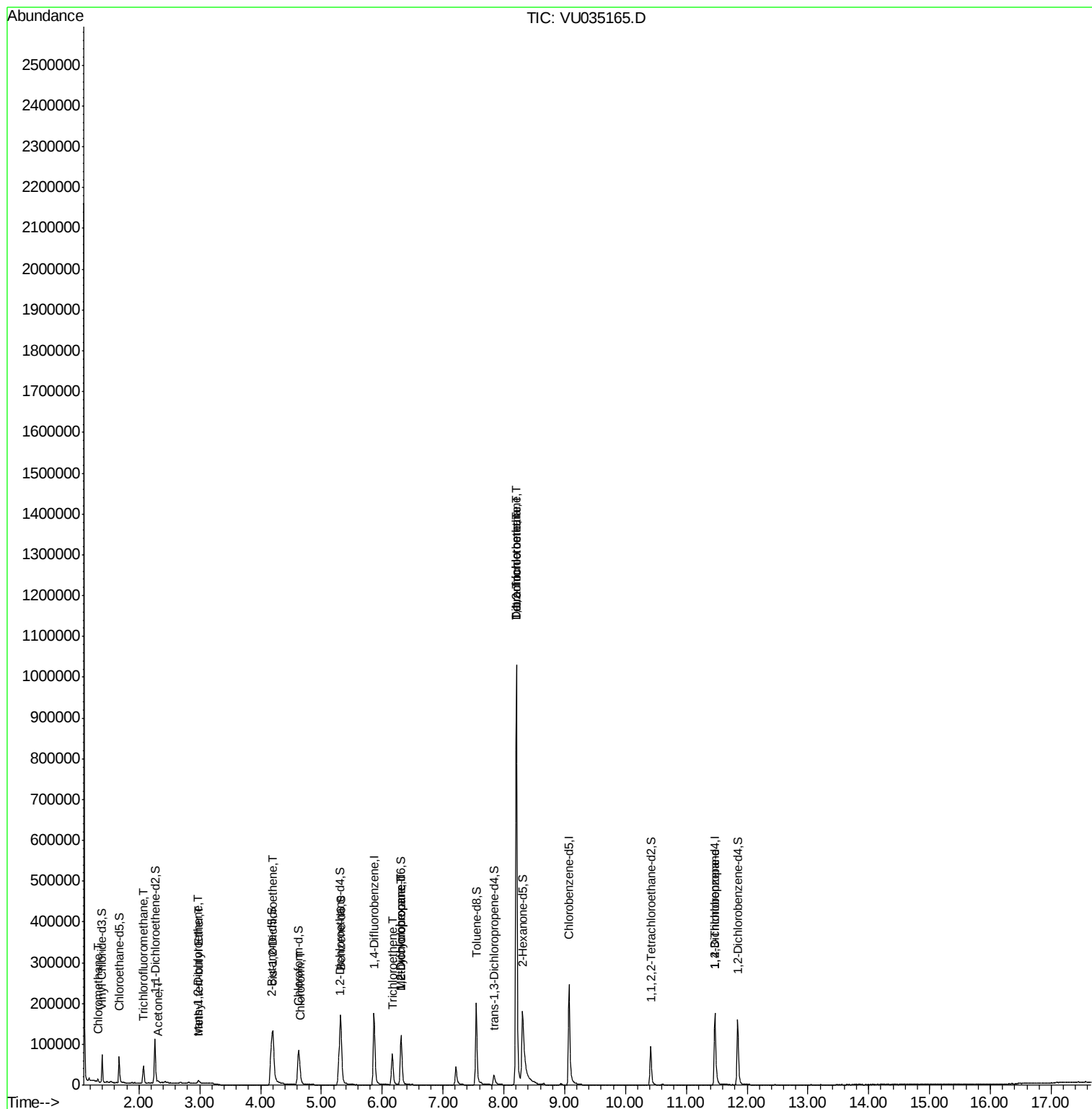
					Qvalue
3) Chloromethane	1.32	50	5382	0.352 ug/L	95
9) Trichlorofluoromethane	2.08	101	2175	0.120 ug/L	99
13) Acetone	2.31	43	5022	2.310 ug/L	87
17) Methyl tert-butyl Ether	2.99	73	4936	0.185 ug/L #	79
18) trans-1,2-Dichloroethene	2.96	96	889	0.085 ug/L	75
22) cis-1,2-Dichloroethene	4.20	96	61749	5.278 ug/L	91
25) Chloroform	4.66	83	15339	0.655 ug/L	100
34) Trichloroethene	6.17	95	28524	2.270 ug/L	93
35) Methylcyclohexane	6.31	83	13906	0.683 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7184	0.547 ug/L #	89
45) 1,1,2-Trichloroethane	8.20	97	1909	0.219 ug/L #	1
47) Tetrachloroethene	8.21	164	234374	23.043 ug/L	95
49) Dibromochloromethane	8.21	129	223335	22.142 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7741	0.910 ug/L	96

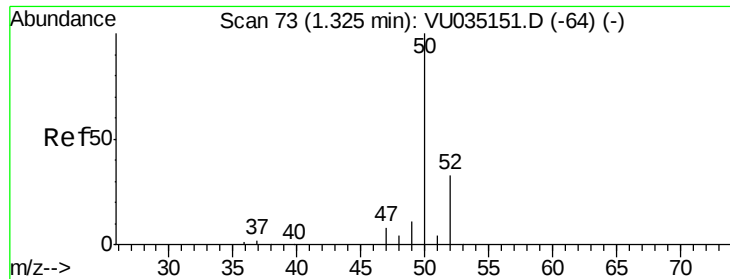
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.352 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

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Acq: 14 Oct 2019 21:25

Instrument :

MSVOA_U

ClientSampleId :

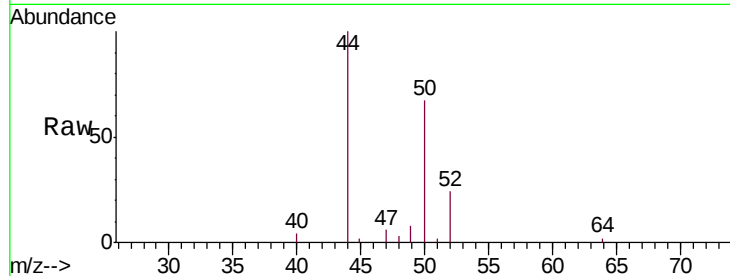
P0004-TILLET-101005-01

Tgt Ion: 50 Resp: 5382

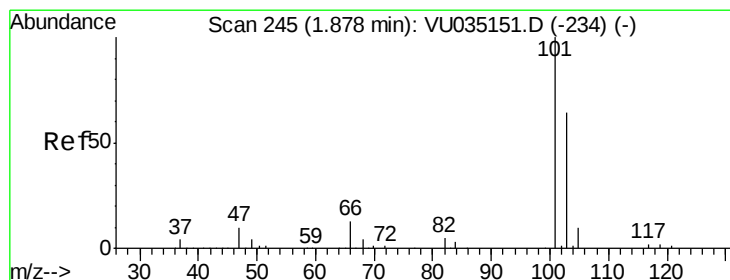
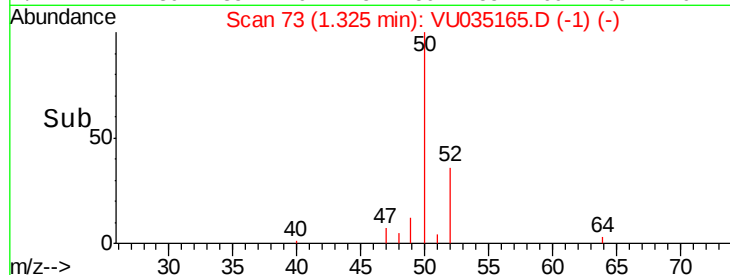
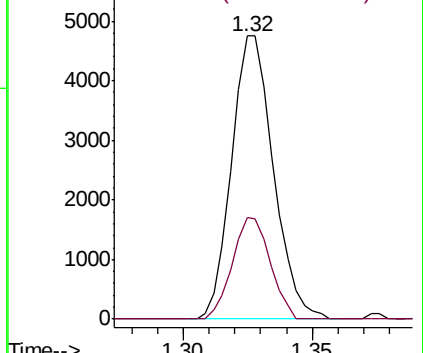
Ion Ratio Lower Upper

50 100

52 35.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035165.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.120 ug/L

RT: 2.08 min Scan# 307

Delta R.T. 0.20 min

Lab File: VU035165.D

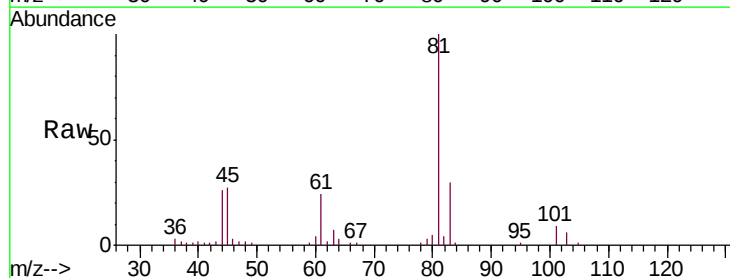
Acq: 14 Oct 2019 21:25

Tgt Ion: 101 Resp: 2175

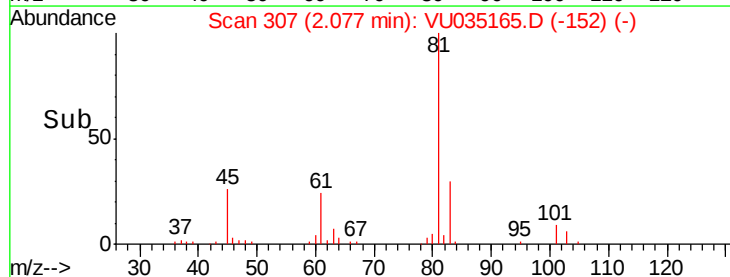
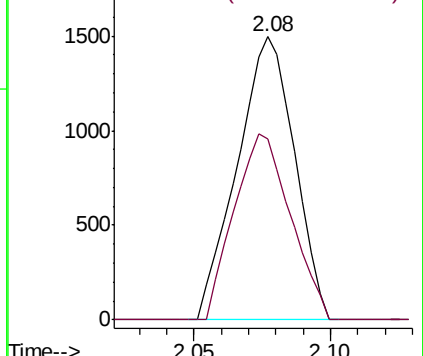
Ion Ratio Lower Upper

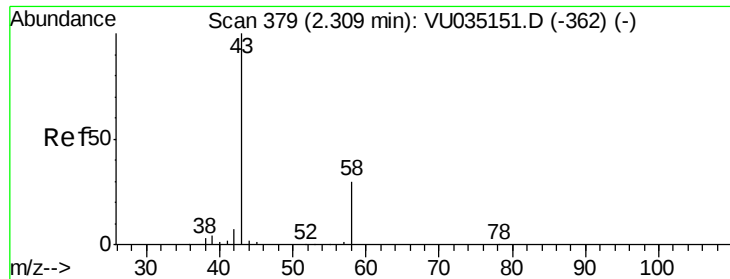
101 100

103 64.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035165.D (-152) (-)





#13

Acetone

Concen: 2.310 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035165.D

Acq: 14 Oct 2019 21:25

Instrument :

MSVOA_U

ClientSampleId :

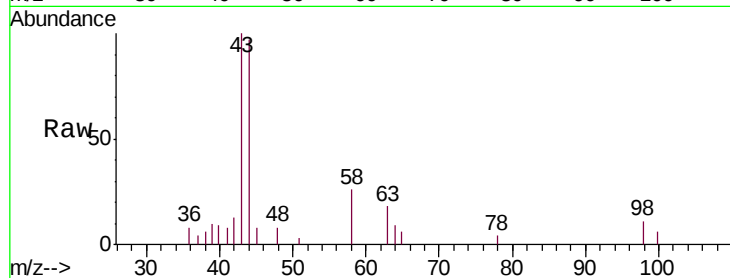
P0004-TILLET-101005-01

Tgt Ion: 43 Resp: 5022

Ion Ratio Lower Upper

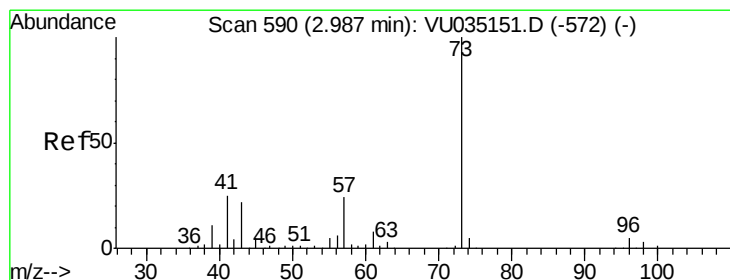
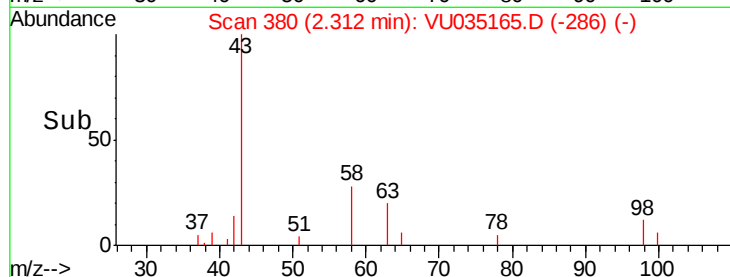
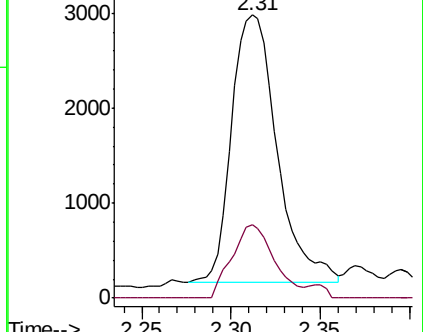
43 100

58 25.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035165.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU035165.D (-362) (-)



#17

Methyl tert-butyl Ether

Concen: 0.185 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.01 min

Lab File: VU035165.D

Acq: 14 Oct 2019 21:25

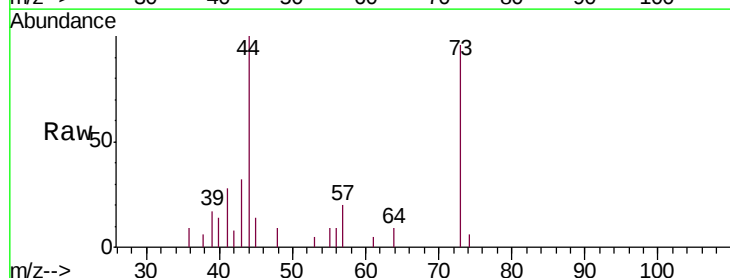
Tgt Ion: 73 Resp: 4936

Ion Ratio Lower Upper

73 100

43 36.6 16.3 24.5#

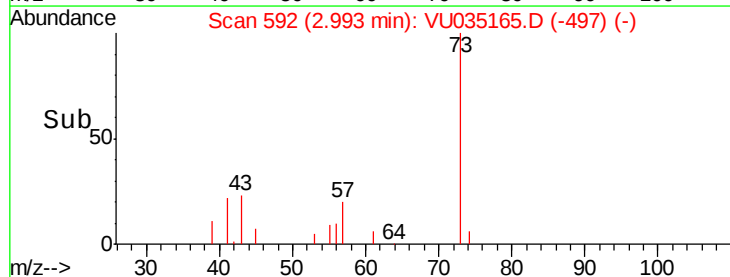
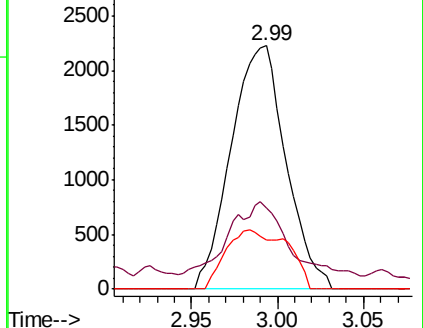
57 19.1 18.6 28.0

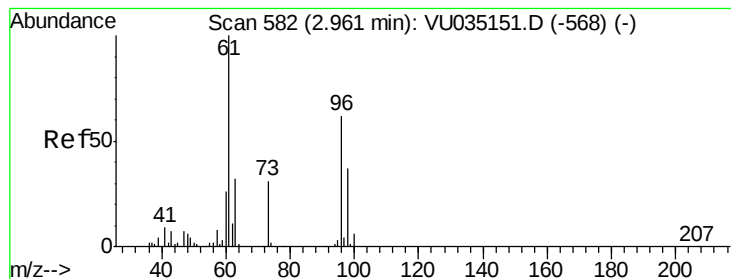


Abundance Ion 73.10 (72.80 to 73.80): VU035165.D (-497) (-)

Ion 43.05 (42.75 to 43.75): VU035165.D (-497) (-)

Ion 57.10 (56.80 to 57.80): VU035165.D (-497) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.085 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035165.D

Acq: 14 Oct 2019 21:25

Instrument :

MSVOA_U

ClientSampleId :

P0004-TILLET-101005-01

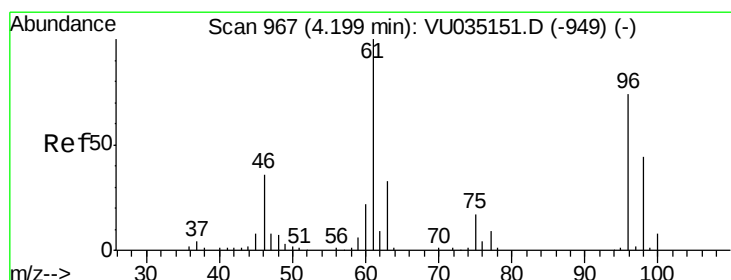
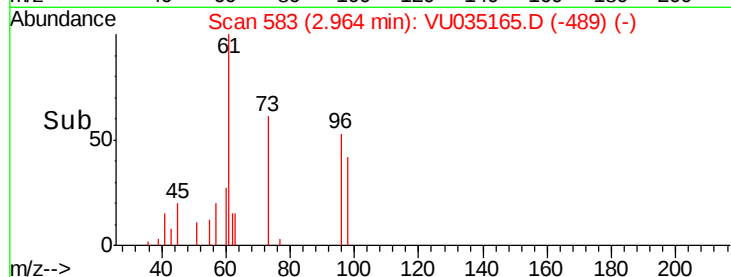
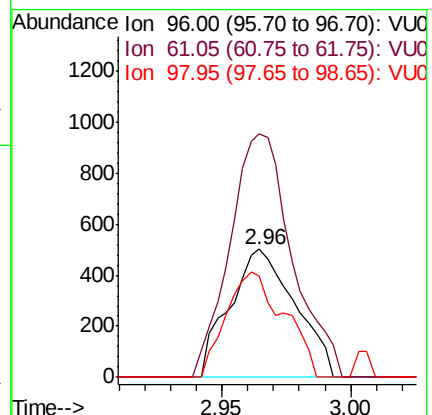
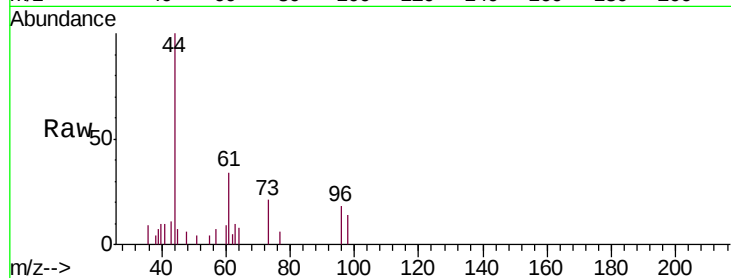
Tgt Ion: 96 Resp: 889

Ion Ratio Lower Upper

96 100

61 189.9 107.1 198.9

98 78.9 45.4 84.4



#22

cis-1,2-Dichloroethene

Concen: 5.278 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035165.D

Acq: 14 Oct 2019 21:25

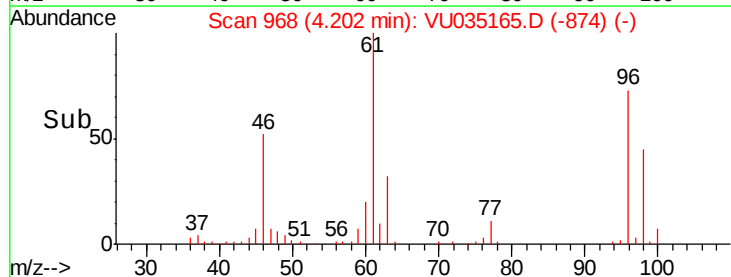
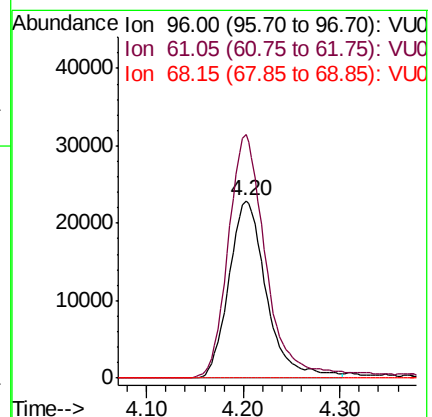
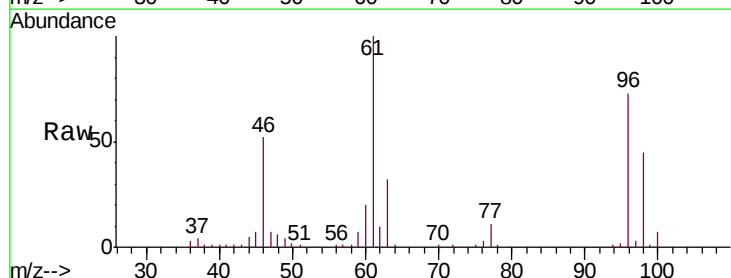
Tgt Ion: 96 Resp: 61749

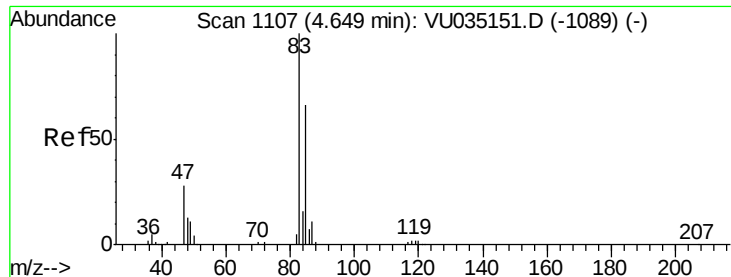
Ion Ratio Lower Upper

96 100

61 137.4 89.2 165.6

68 0.0 0.0 0.0

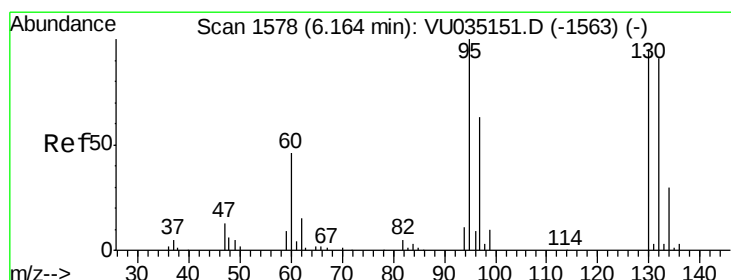
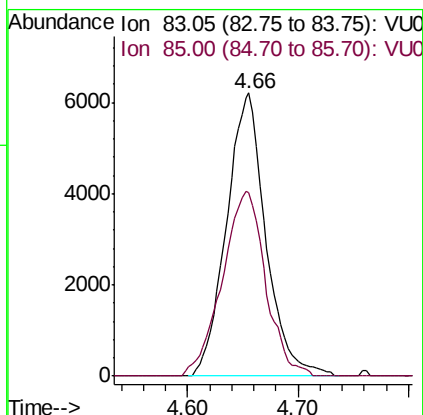
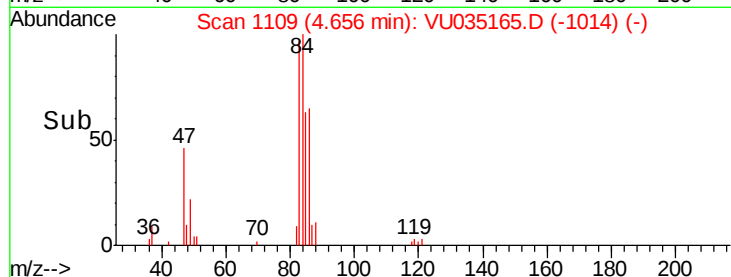
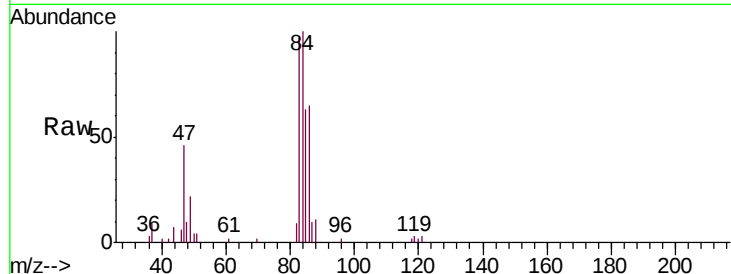




#25
Chloroform
Concen: 0.655 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU035165.D
Acq: 14 Oct 2019 21:25

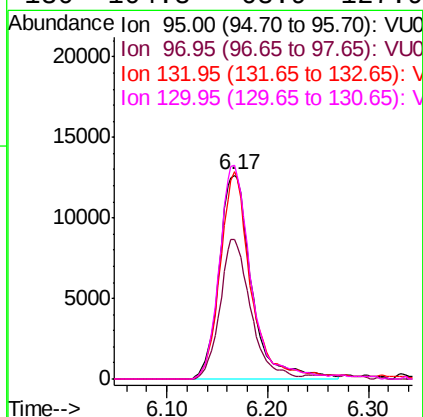
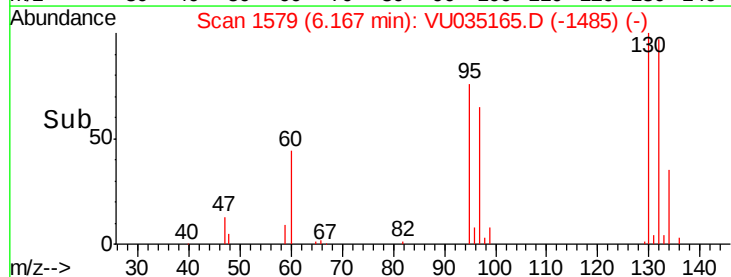
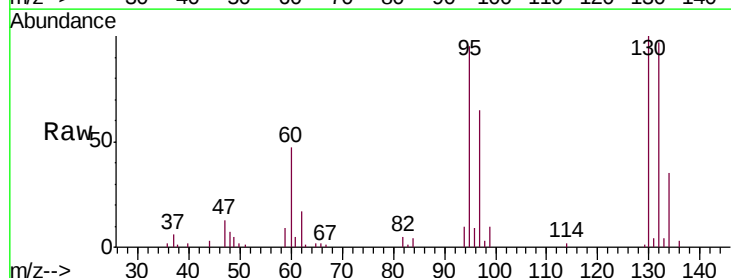
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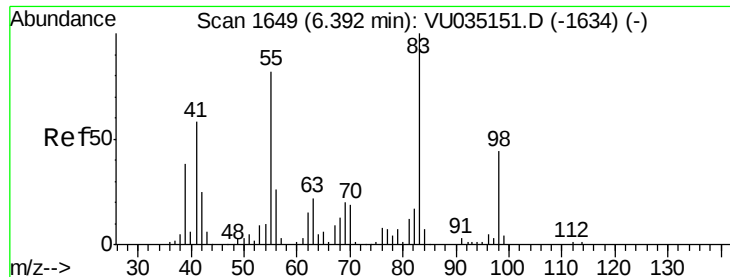
Tgt Ion: 83 Resp: 15339
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4



#34
Trichloroethene
Concen: 2.270 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU035165.D
Acq: 14 Oct 2019 21:25

Tgt Ion: 95 Resp: 28524
Ion Ratio Lower Upper
95 100
97 68.6 44.5 82.7
132 101.7 66.6 123.8
130 104.8 68.9 127.9

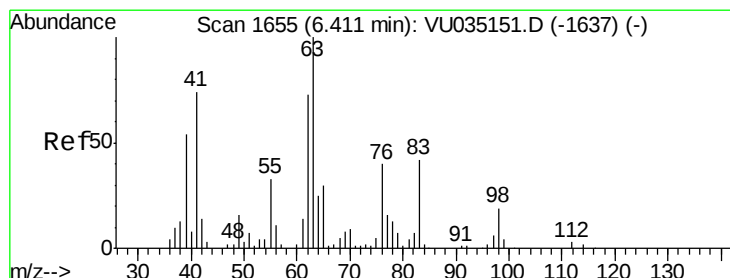
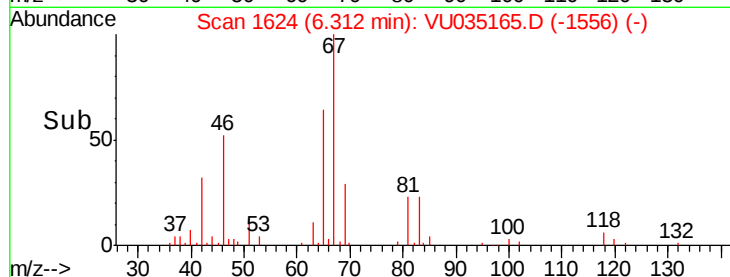
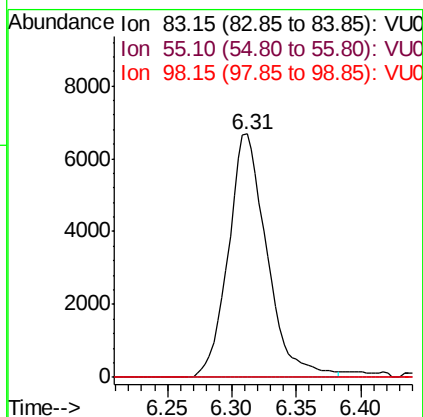
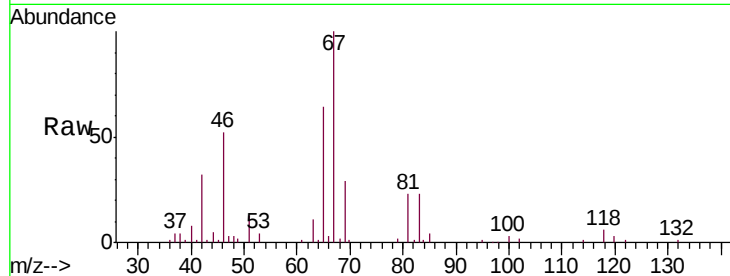




#35
Methylcyclohexane
Concen: 0.683 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU035165.D
Acq: 14 Oct 2019 21:25

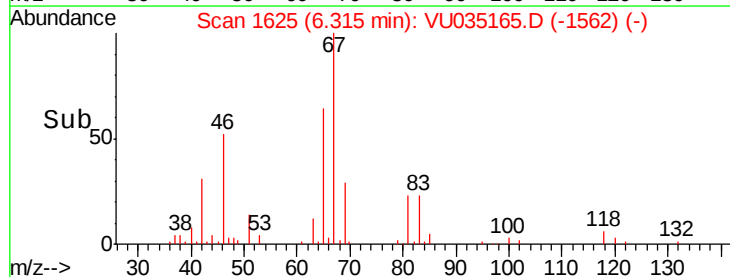
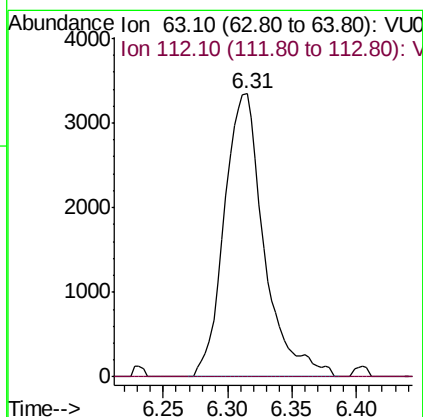
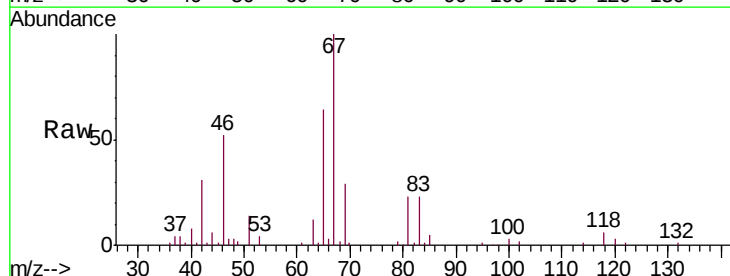
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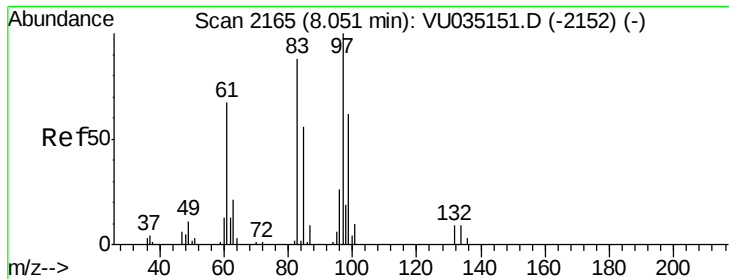
Tgt Ion: 83 Resp: 13906
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 2.2 36.2 54.2#



#37
1,2-Dichloropropane
Concen: 0.547 ug/L
RT: 6.31 min Scan# 1625
Delta R.T. -0.10 min
Lab File: VU035165.D
Acq: 14 Oct 2019 21:25

Tgt Ion: 63 Resp: 7184
Ion Ratio Lower Upper
63 100
112 0.3 3.1 4.7#

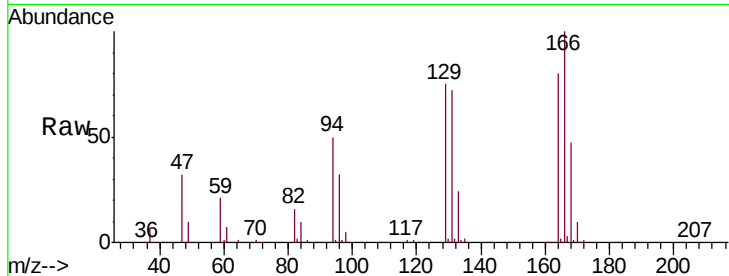




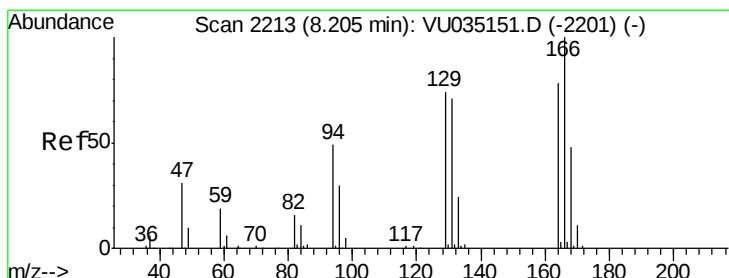
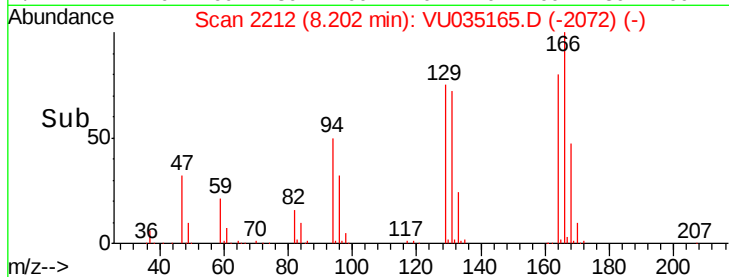
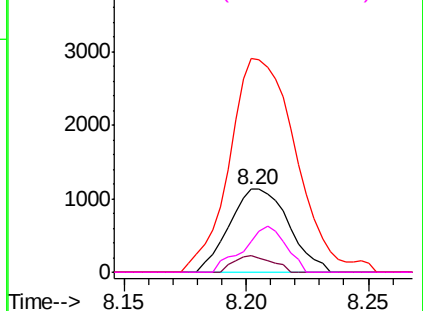
#45
 1,1,2-Trichloroethane
 Concen: 0.219 ug/L
 RT: 8.20 min Scan# 2212
 Delta R.T. 0.15 min
 Lab File: VU035165.D
 Acq: 14 Oct 2019 21:25

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 97 Resp: 1909
 Ion Ratio Lower Upper
 97 100
 99 20.3 42.3 78.5#
 83 256.8 58.0 107.6#
 85 36.2 37.8 70.2#

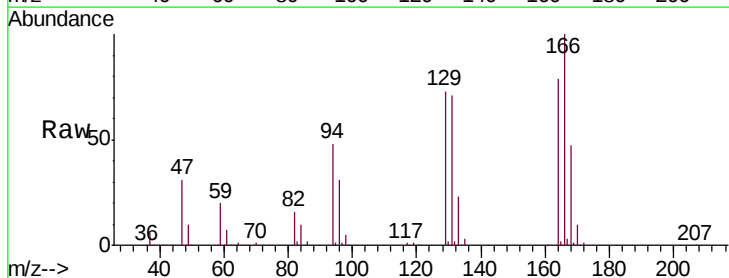


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

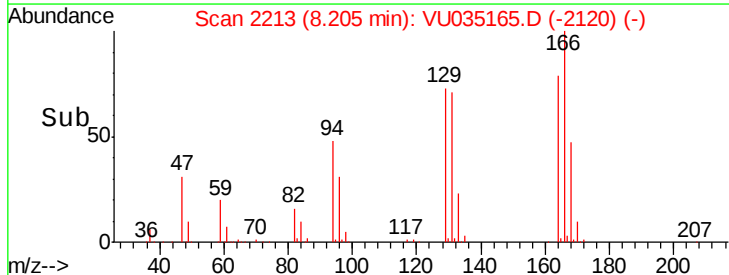
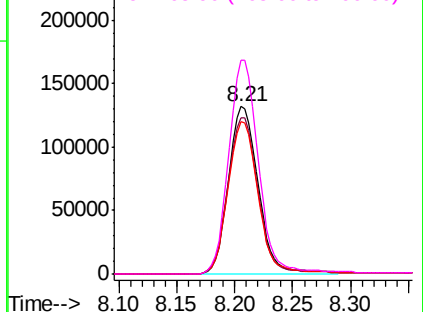


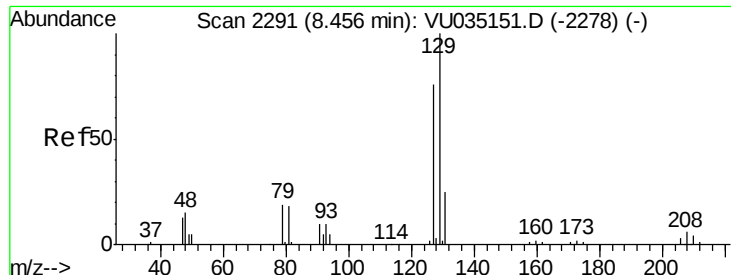
#47
 Tetrachloroethene
 Concen: 23.043 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU035165.D
 Acq: 14 Oct 2019 21:25

Tgt Ion: 164 Resp: 234374
 Ion Ratio Lower Upper
 164 100
 129 93.1 68.5 127.1
 131 90.5 67.3 124.9
 166 127.2 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: 22.142 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU035165.D

Acq: 14 Oct 2019 21:25

Instrument :

MSVOA_U

ClientSampleId :

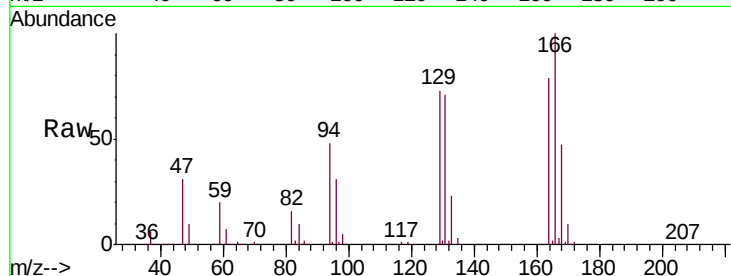
P0004-TILLET-101005-01

Tgt Ion:129 Resp: 223335

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

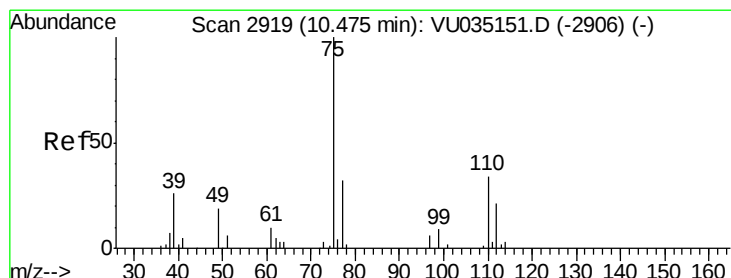
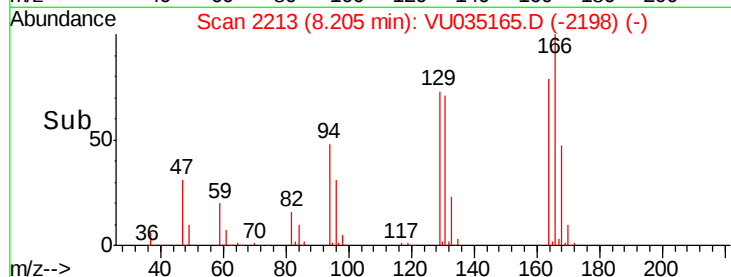
8.21

100000

50000

0

Time--> 8.10 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 0.910 ug/L

RT: 11.47 min Scan# 3229

Delta R.T. 1.00 min

Lab File: VU035165.D

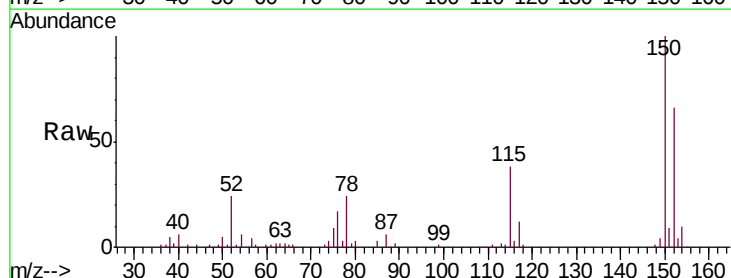
Acq: 14 Oct 2019 21:25

Tgt Ion: 75 Resp: 7741

Ion Ratio Lower Upper

75 100

77 35.6 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.47

4000

3000

2000

1000

0

Time--> 11.40 11.45 11.50 11.55

