

Data File : VU034965.D
Acq On : 07 Oct 2019 17:24
Operator : JC/SP
Sample : K5219-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-11D-001-01

Quant Time: Oct 09 04:01:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 03:56:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	183926	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	183723	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	77085	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49104	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.67	69	46489	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.26	63	75183	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.17	46	153769	48.03	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	4.62	84	76032	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
26) 1,2-Dichloroethane-d4	5.29	65	59622	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.32	84	212123	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.31	67	72980	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.54	98	193845	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.83	79	21359	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.30	63	116684	47.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.66%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58323	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	72203	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

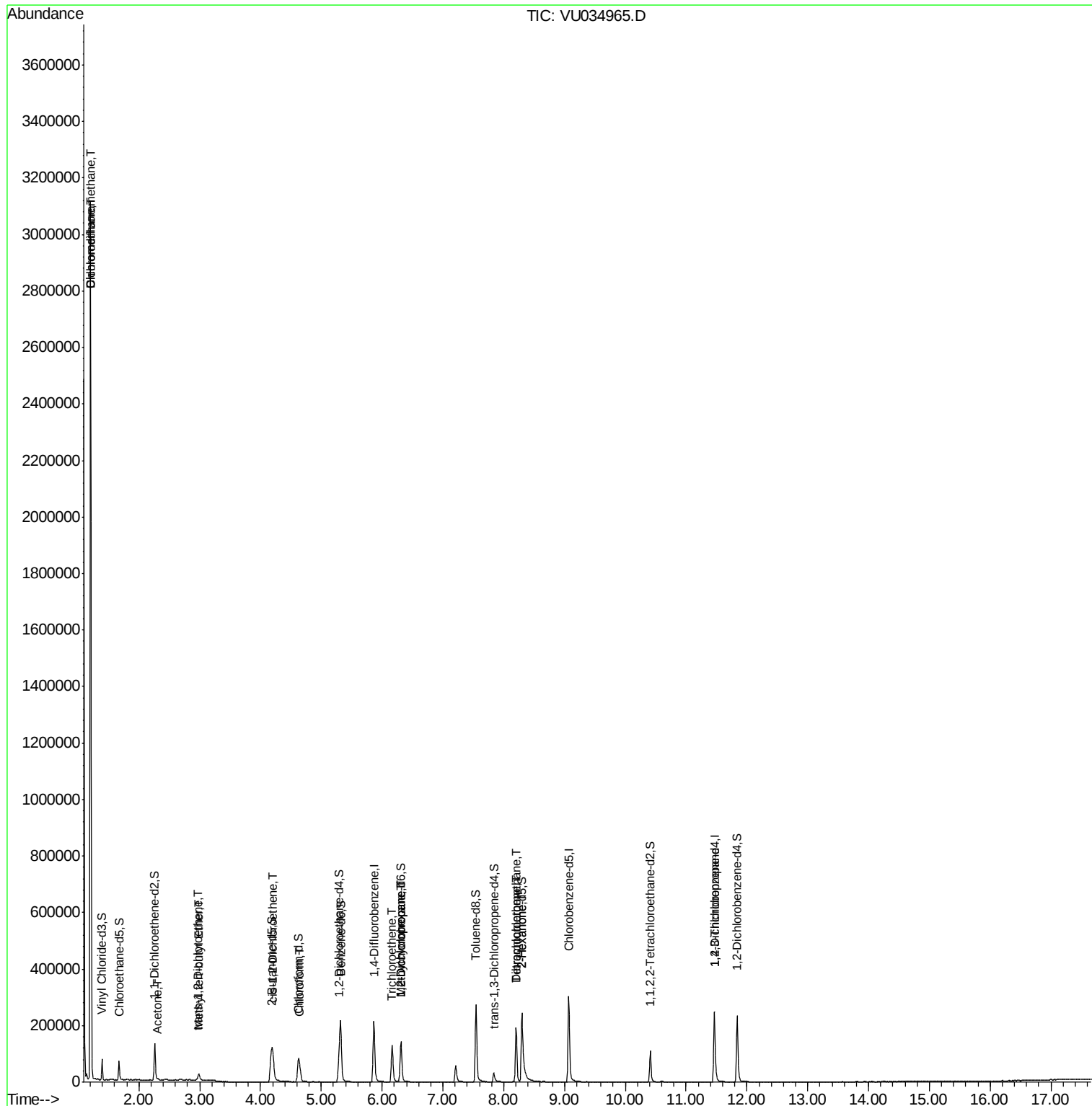
					Qvalue
2) Dichlorodifluoromethane	1.21	85	40000	2.380 ug/L	99
3) Chloromethane	1.21	50	127086	6.892 ug/L #	75
13) Acetone	2.31	43	4869	1.857 ug/L	92
17) Methyl tert-butyl Ether	2.99	73	21879	0.679 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	1115	0.088 ug/L	91
22) cis-1,2-Dichloroethene	4.20	96	49915	3.537 ug/L	99
25) Chloroform	4.65	83	32486	1.150 ug/L	98
34) Trichloroethene	6.16	95	47431	3.323 ug/L	97
35) Methylcyclohexane	6.31	83	16231	0.702 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	8152	0.546 ug/L #	89
47) Tetrachloroethene	8.21	164	42936	3.716 ug/L	98
48) 2-Hexanone	8.30	43	13230	2.054 ug/L #	68
49) Dibromochloromethane	8.21	129	41124	3.589 ug/L #	13
59) 1,2,3-Trichloropropane	11.46	75	8811	0.912 ug/L #	86

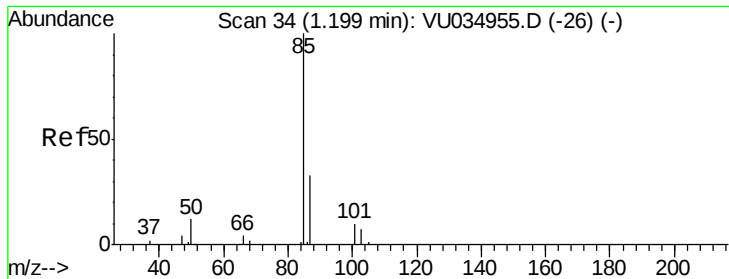
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.380 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU034965.D

Acq: 07 Oct 2019 17:24

Instrument :

MSVOA_U

ClientSampleId :

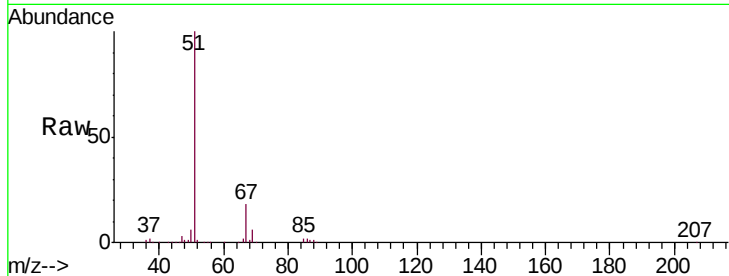
MW-11D-001-01

Tgt Ion: 85 Resp: 40000

Ion Ratio Lower Upper

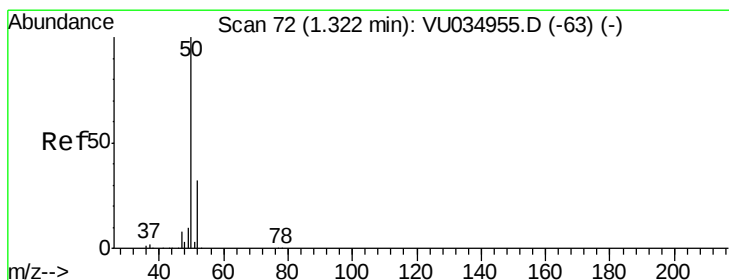
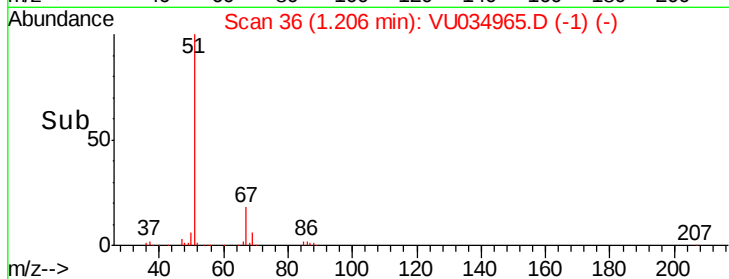
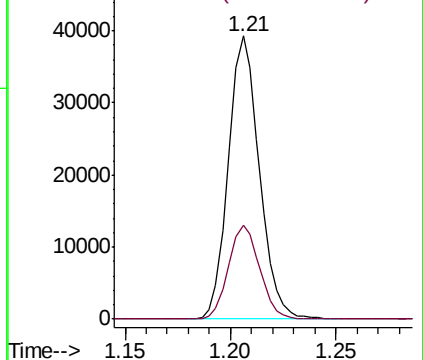
85 100

87 33.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 6.892 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.12 min

Lab File: VU034965.D

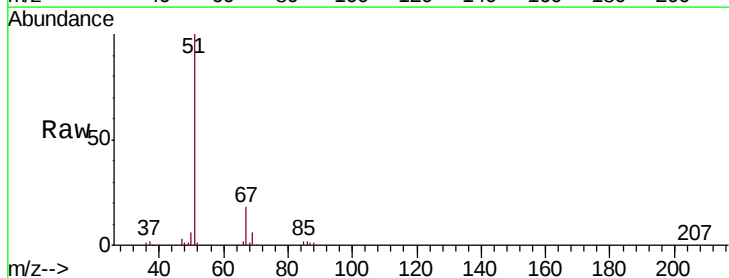
Acq: 07 Oct 2019 17:24

Tgt Ion: 50 Resp: 127086

Ion Ratio Lower Upper

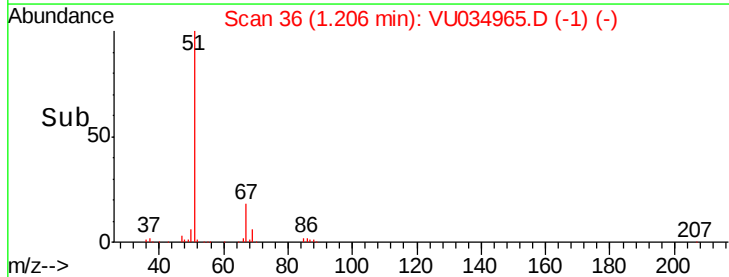
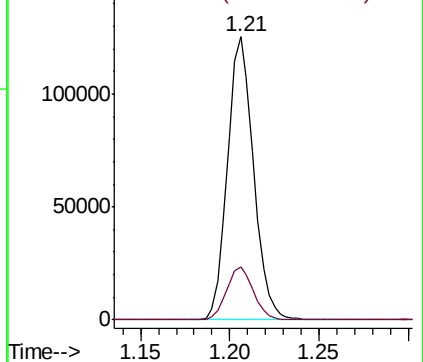
50 100

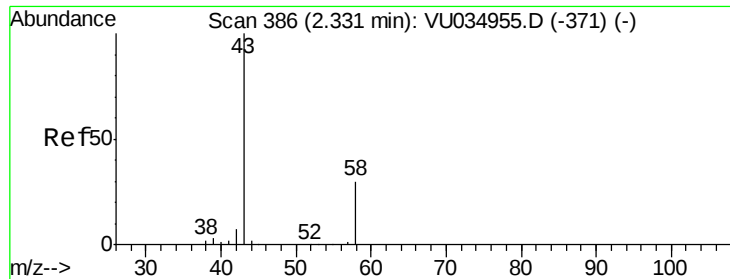
52 18.6 23.0 42.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#13

Acetone

Concen: 1.857 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU034965.D

Acq: 07 Oct 2019 17:24

Instrument :

MSVOA_U

ClientSampleId :

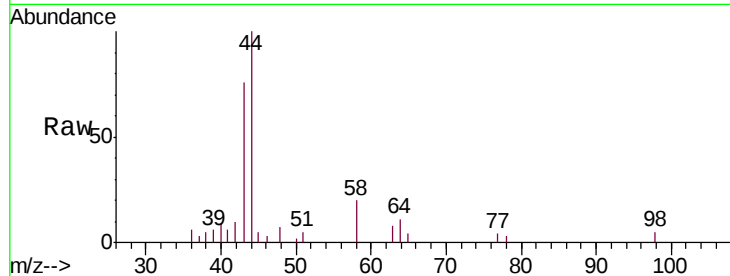
MW-11D-001-01

Tgt Ion: 43 Resp: 4869

Ion Ratio Lower Upper

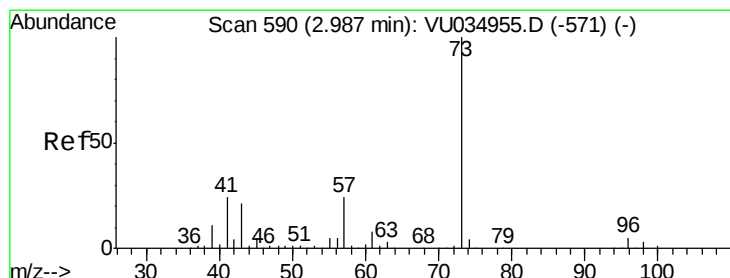
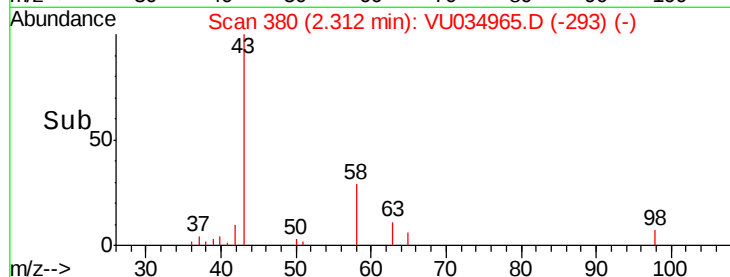
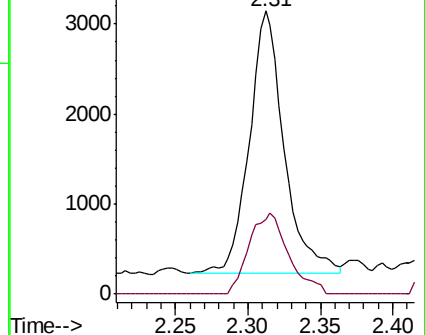
43 100

58 35.0 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU034965.D (-293) (-)

Ion 58.05 (57.75 to 58.75): VU034965.D (-293) (-)



#17

Methyl tert-butyl Ether

Concen: 0.679 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU034965.D

Acq: 07 Oct 2019 17:24

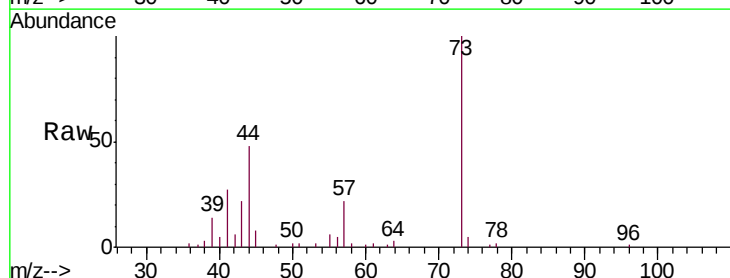
Tgt Ion: 73 Resp: 21879

Ion Ratio Lower Upper

73 100

43 21.1 17.4 26.0

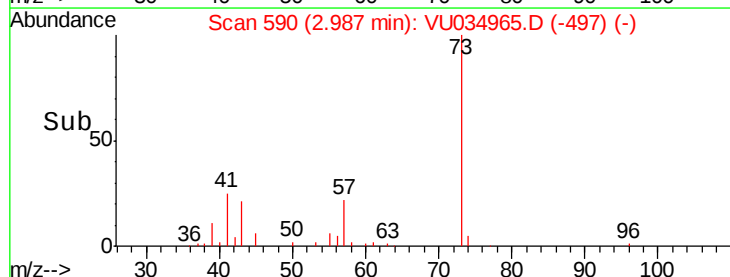
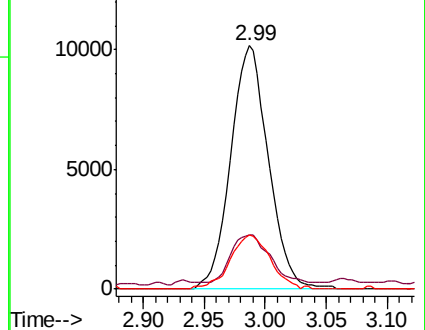
57 23.4 19.2 28.8

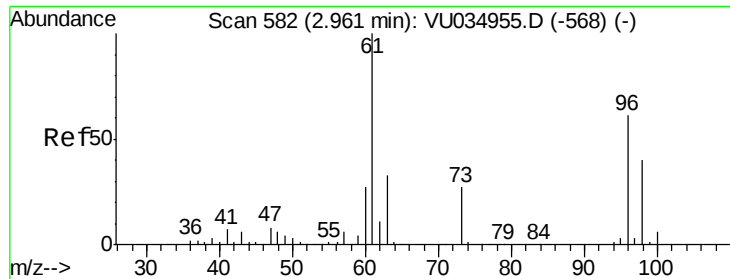


Abundance Ion 73.10 (72.80 to 73.80): VU034965.D (-497) (-)

Ion 43.05 (42.75 to 43.75): VU034965.D (-497) (-)

Ion 57.10 (56.80 to 57.80): VU034965.D (-497) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.088 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034965.D

Acq: 07 Oct 2019 17:24

Instrument :

MSVOA_U

ClientSampleId :

MW-11D-001-01

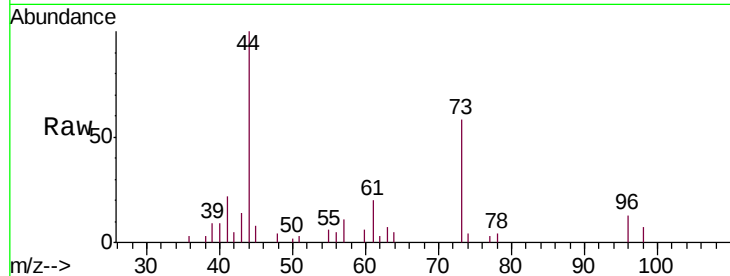
Tgt Ion: 96 Resp: 1115

Ion Ratio Lower Upper

96 100

61 148.6 112.3 208.7

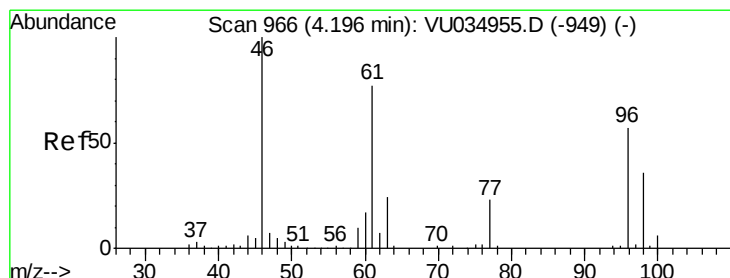
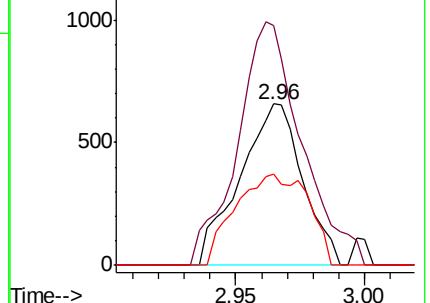
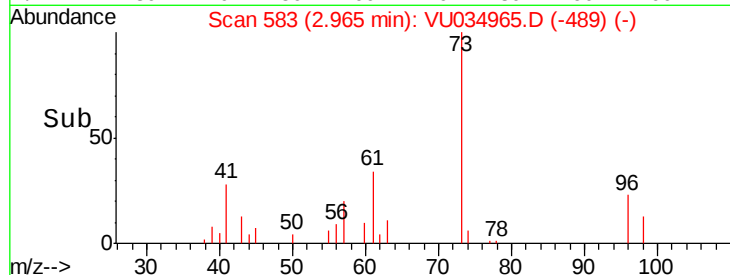
98 56.2 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU034965.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU034965.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU034965.D (-489) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.537 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU034965.D

Acq: 07 Oct 2019 17:24

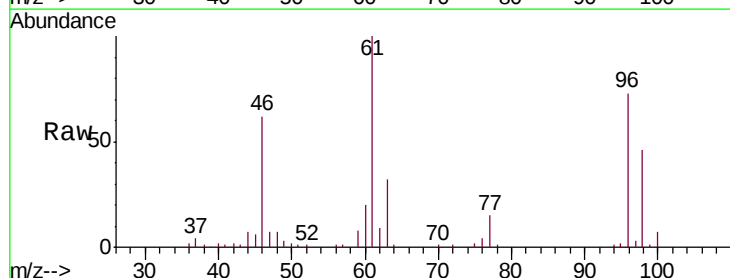
Tgt Ion: 96 Resp: 49915

Ion Ratio Lower Upper

96 100

61 136.6 96.4 179.0

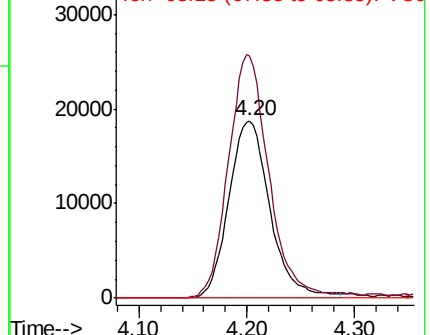
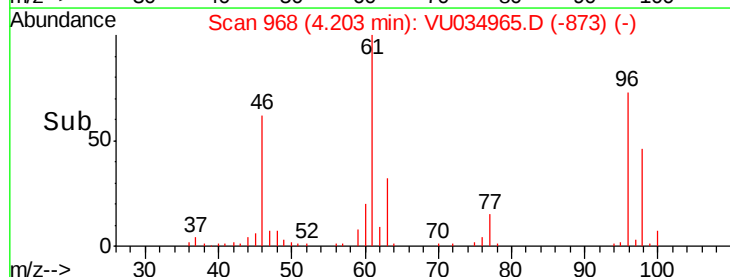
68 0.0 0.0 0.0

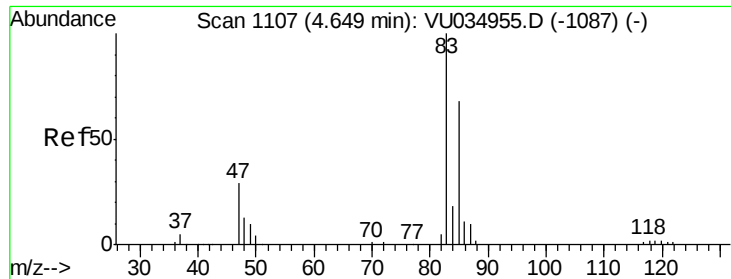


Abundance Ion 96.00 (95.70 to 96.70): VU034965.D (-873) (-)

Ion 61.05 (60.75 to 61.75): VU034965.D (-873) (-)

Ion 68.15 (67.85 to 68.85): VU034965.D (-873) (-)

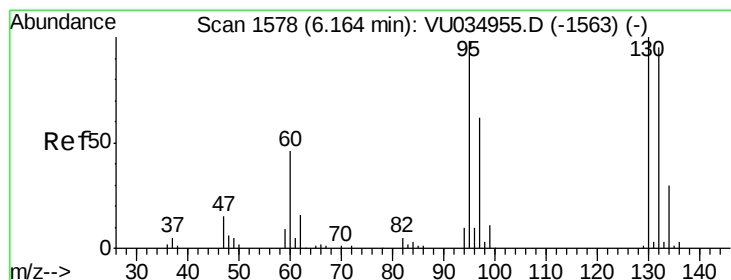
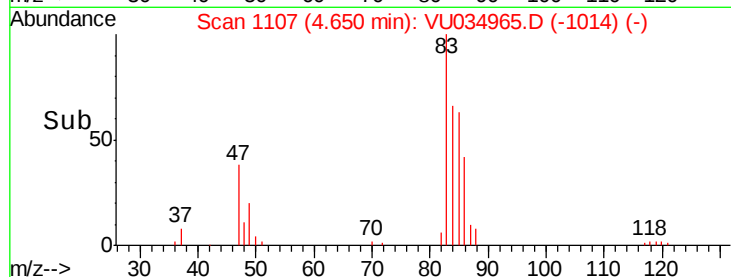
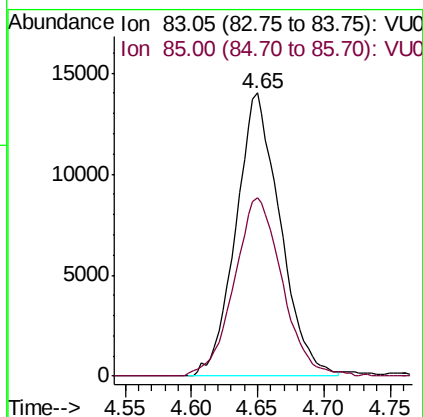
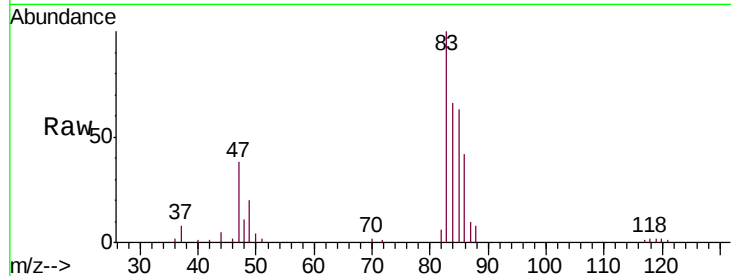




#25
Chloroform
Concen: 1.150 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034965.D
Acq: 07 Oct 2019 17:24

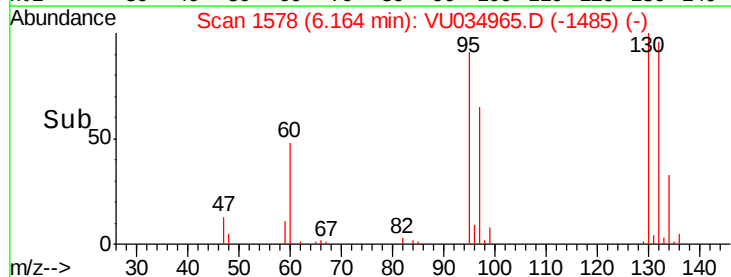
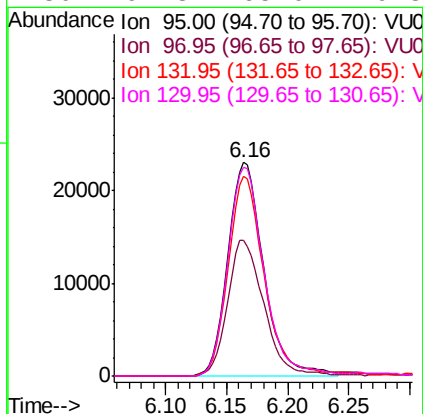
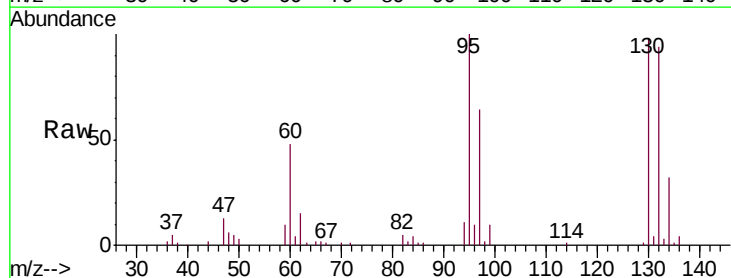
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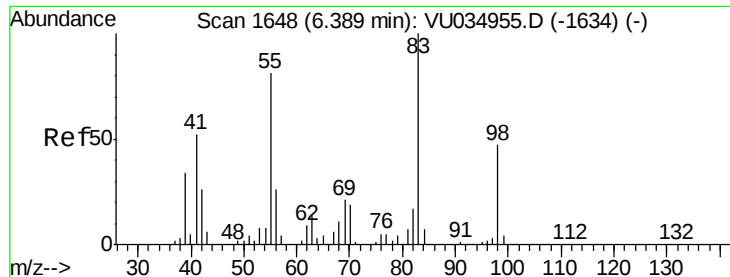
Tgt Ion: 83 Resp: 32486
Ion Ratio Lower Upper
83 100
85 63.2 45.4 84.4



#34
Trichloroethene
Concen: 3.323 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034965.D
Acq: 07 Oct 2019 17:24

Tgt Ion: 95 Resp: 47431
Ion Ratio Lower Upper
95 100
97 63.6 42.5 78.9
132 93.7 65.8 122.2
130 97.8 65.0 120.8

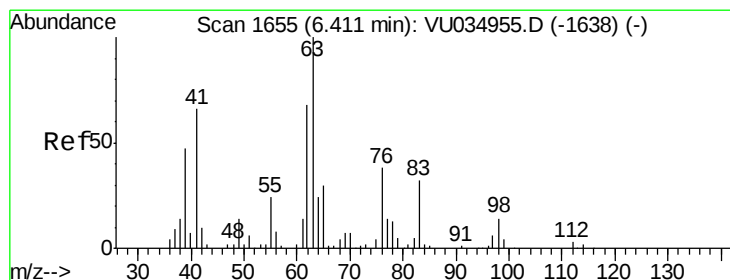
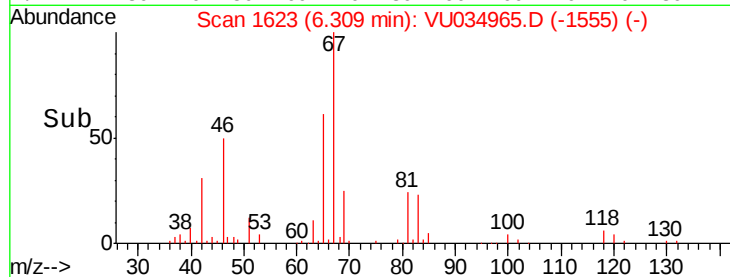
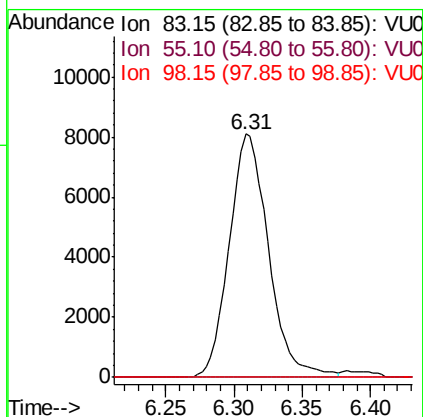
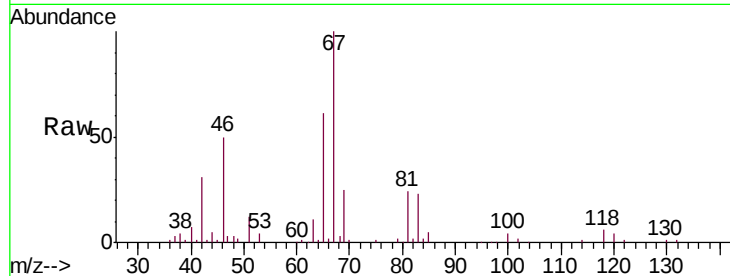




#35
Methylcyclohexane
Concen: 0.702 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU034965.D
Acq: 07 Oct 2019 17:24

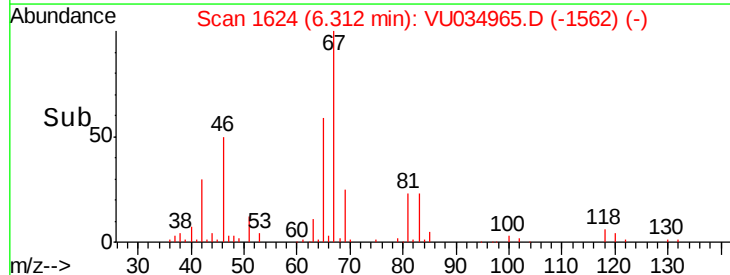
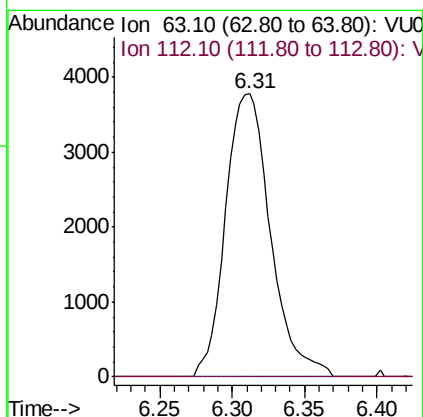
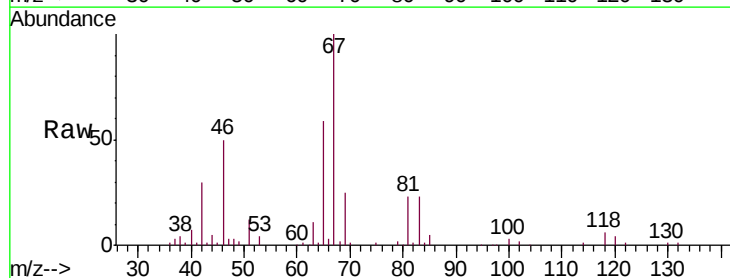
Instrument :
MSVOA_U
ClientSampleId :
MW-11D-001-01

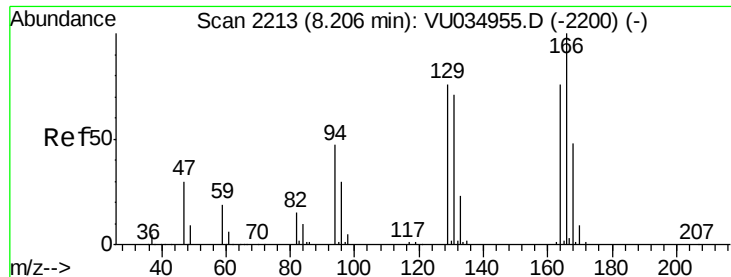
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.4	93.6#
98	1.1	35.5	53.3#



#37
1,2-Dichloropropane
Concen: 0.546 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU034965.D
Acq: 07 Oct 2019 17:24

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.4#

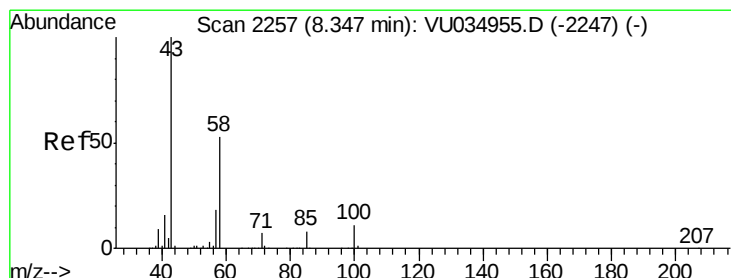
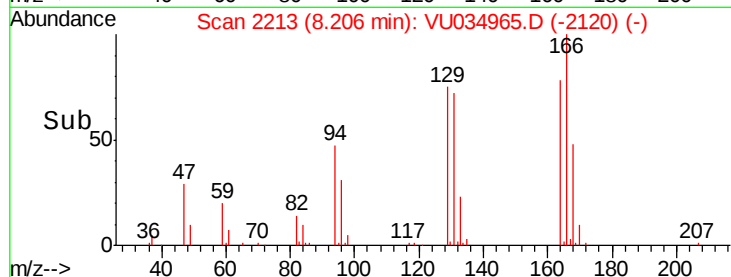
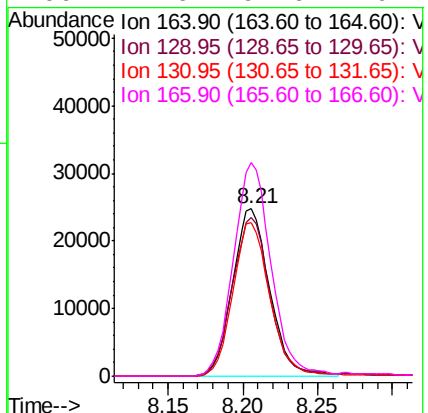
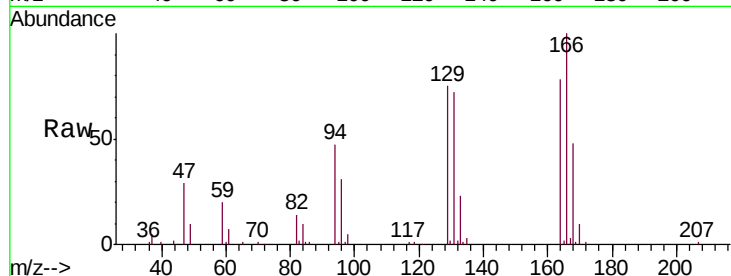




#47
Tetrachloroethene
Concen: 3.716 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034965.D
Acq: 07 Oct 2019 17:24

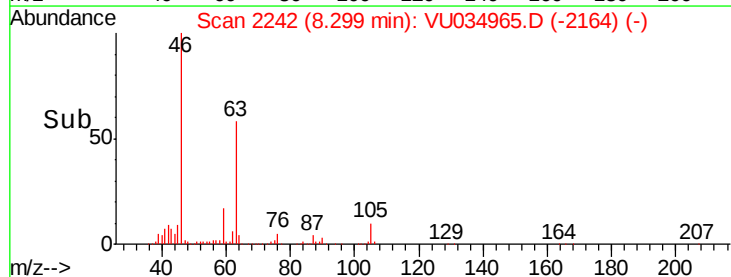
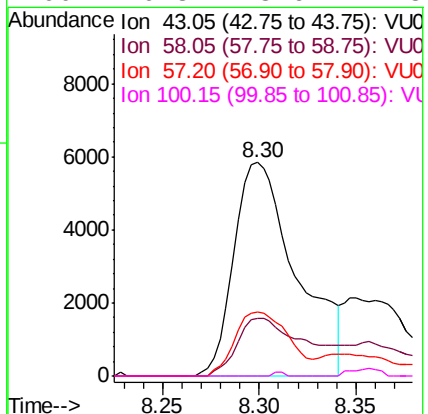
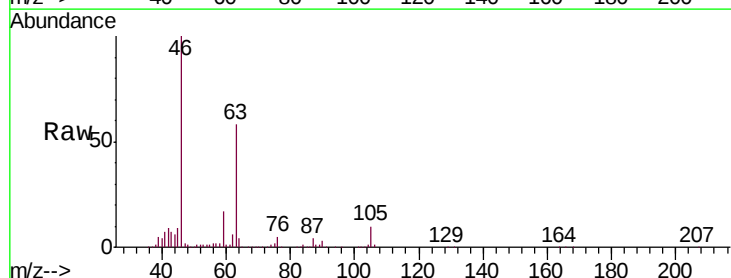
Instrument :
MSVOA_U
ClientSampleId :
MW-11D-001-01

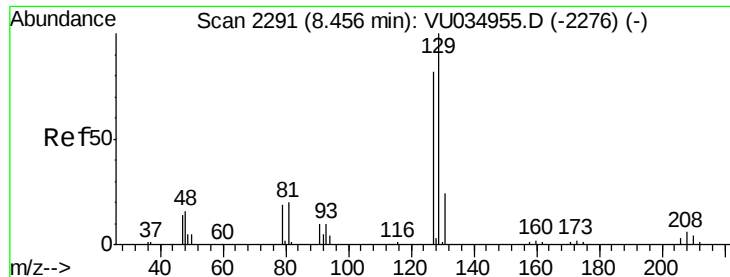
Tgt Ion: 164 Resp: 42936
Ion Ratio Lower Upper
164 100
129 95.2 66.5 123.5
131 91.9 63.3 117.7
166 127.6 91.6 170.2



#48
2-Hexanone
Concen: 2.054 ug/L
RT: 8.30 min Scan# 2242
Delta R.T. -0.05 min
Lab File: VU034965.D
Acq: 07 Oct 2019 17:24

Tgt Ion: 43 Resp: 13230
Ion Ratio Lower Upper
43 100
58 27.6 43.3 64.9#
57 26.0 14.5 21.7#
100 0.3 8.6 12.8#





#49

Dibromochloromethane

Concen: 3.589 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034965.D

Acq: 07 Oct 2019 17:24

Instrument :

MSVOA_U

ClientSampleId :

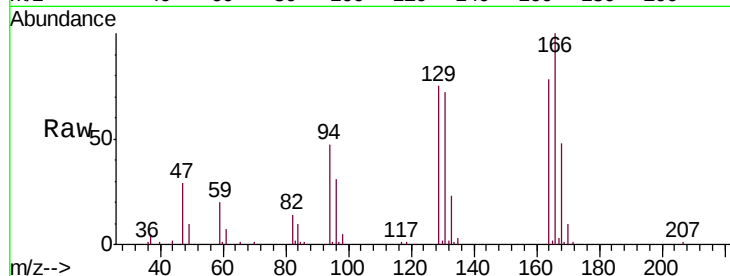
MW-11D-001-01

Tgt Ion:129 Resp: 41124

Ion Ratio Lower Upper

129 100

127 0.0 51.2 95.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.21

25000

20000

15000

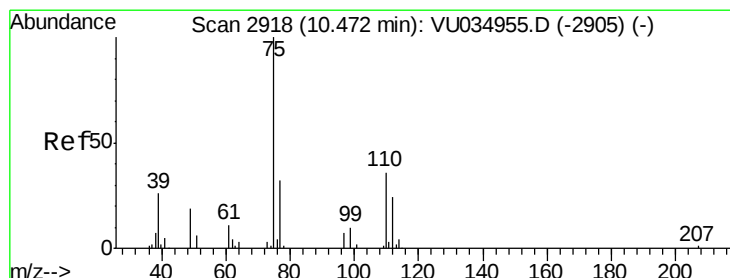
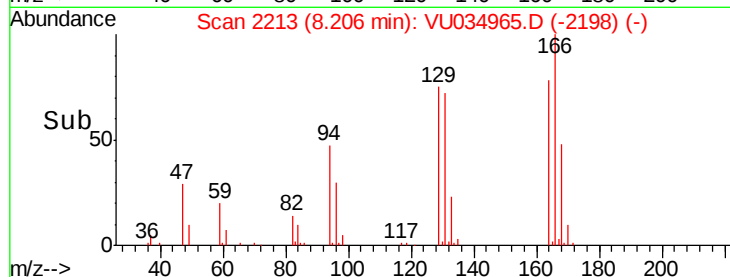
10000

5000

0

8.15 8.20 8.25

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.912 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034965.D

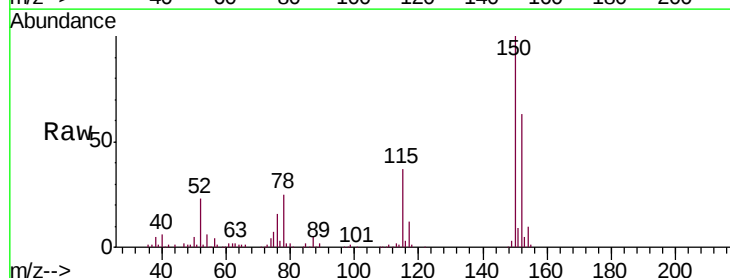
Acq: 07 Oct 2019 17:24

Tgt Ion: 75 Resp: 8811

Ion Ratio Lower Upper

75 100

77 39.9 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.46

5000

4000

3000

2000

1000

0

11.40 11.45 11.50 11.55

Time-->

