

Data File : VU035144.D
Acq On : 14 Oct 2019 11:54
Operator : JC/SP
Sample : K5309-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RD-6-001-01

Quant Time: Oct 15 07:07:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:04:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	160854	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	167696	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49570	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.68	69	46739	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.26	63	71280	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.17	46	148866	53.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.32%
24) Chloroform-d	4.62	84	92211	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.29	65	53586	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.32	84	187694	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.31	67	66489	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.55	98	160455	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.84	79	20194	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.31	63	97761	43.45	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.90%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55371	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	54291	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

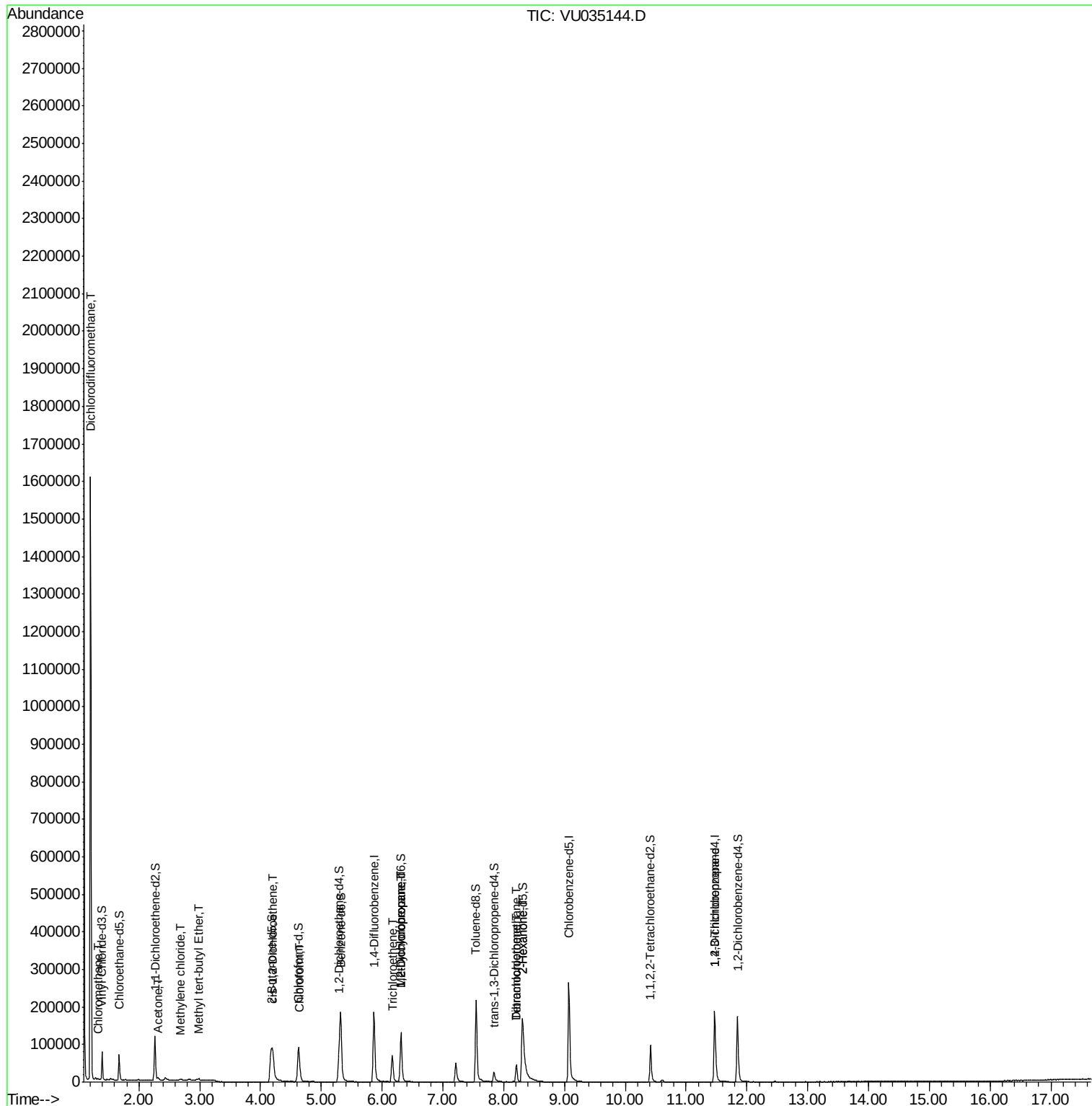
					Qvalue
2) Dichlorodifluoromethane	1.21	85	19506	1.327 ug/L	96
3) Chloromethane	1.32	50	2074	0.129 ug/L	93
13) Acetone	2.31	43	6497	2.833 ug/L	97
16) Methylene chloride	2.68	84	955	0.075 ug/L	96
17) Methyl tert-butyl Ether	2.98	73	3389	0.120 ug/L #	92
22) cis-1,2-Dichloroethene	4.20	96	33565	2.720 ug/L	85
25) Chloroform	4.65	83	10150	0.411 ug/L	99
34) Trichloroethene	6.17	95	25629	1.967 ug/L	97
35) Methylcyclohexane	6.31	83	13837	0.656 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7564	0.555 ug/L #	89
47) Tetrachloroethene	8.21	164	10406	0.987 ug/L	93
48) 2-Hexanone	8.30	43	17823	3.031 ug/L #	59
49) Dibromochloromethane	8.21	129	10293	0.984 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7517	0.852 ug/L #	87

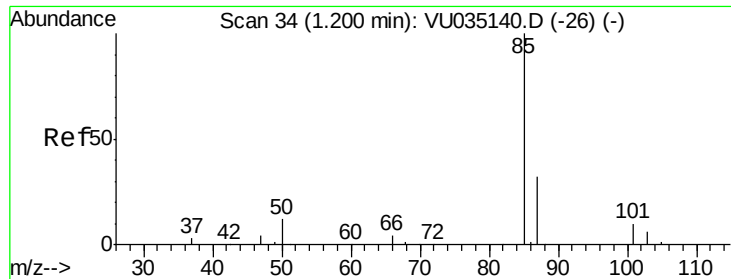
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.327 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035144.D

Acq: 14 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

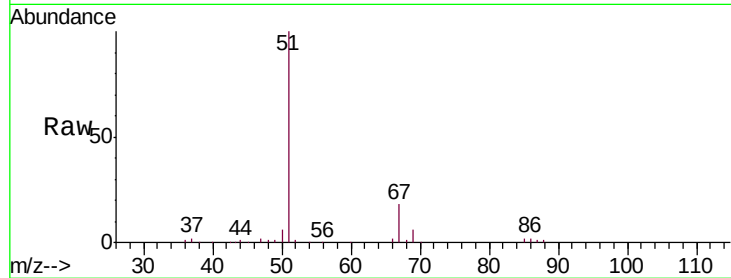
RD-6-001-01

Tgt Ion: 85 Resp: 19506

Ion Ratio Lower Upper

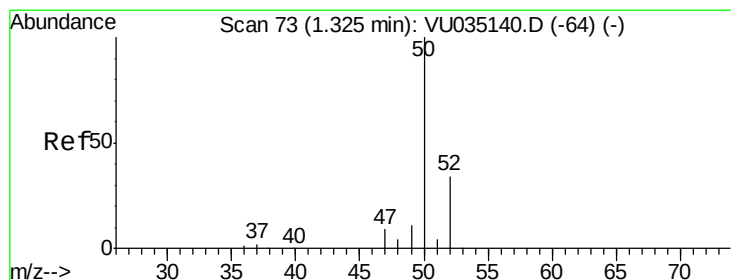
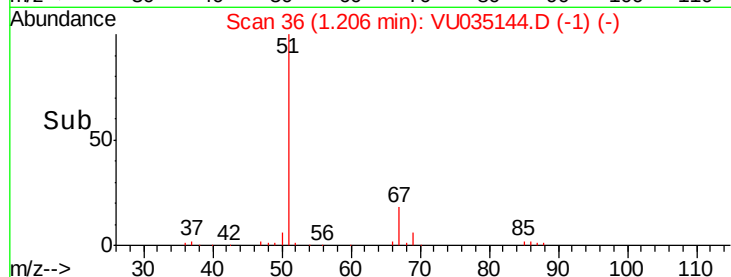
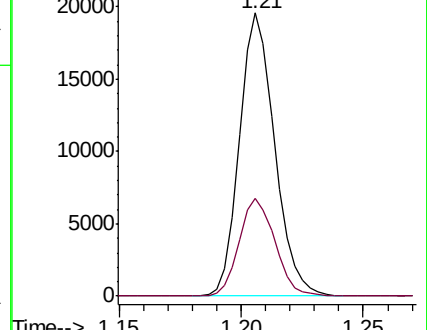
85 100

87 35.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035144.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035144.D (-26) (-)



#3

Chloromethane

Concen: 0.129 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035144.D

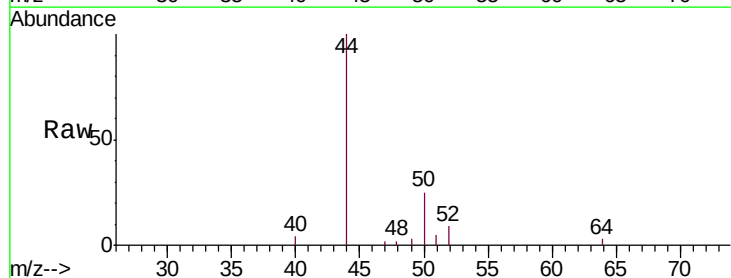
Acq: 14 Oct 2019 11:54

Tgt Ion: 50 Resp: 2074

Ion Ratio Lower Upper

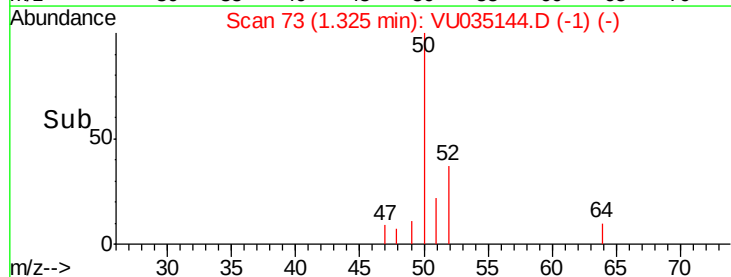
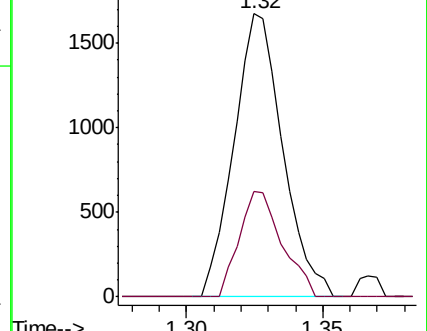
50 100

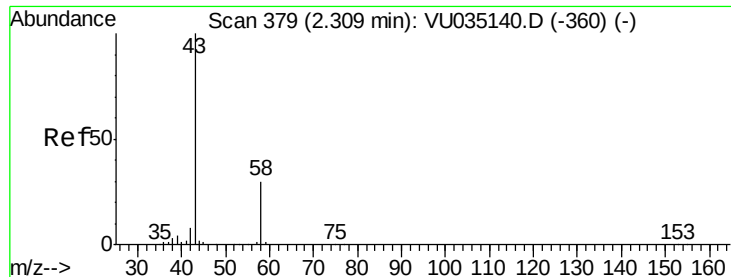
52 37.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035144.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035144.D (-64) (-)





#13

Acetone

Concen: 2.833 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035144.D

Acq: 14 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

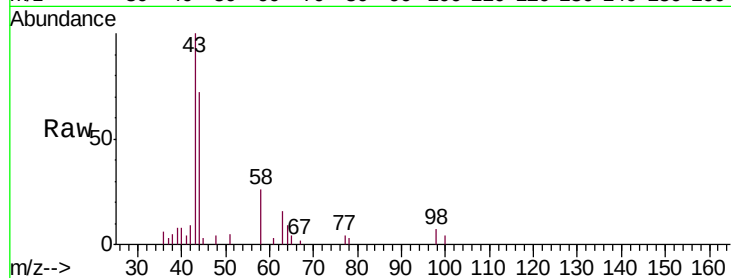
RD-6-001-01

Tgt Ion: 43 Resp: 6497

Ion Ratio Lower Upper

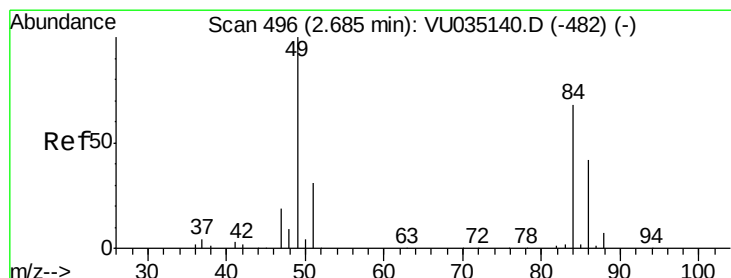
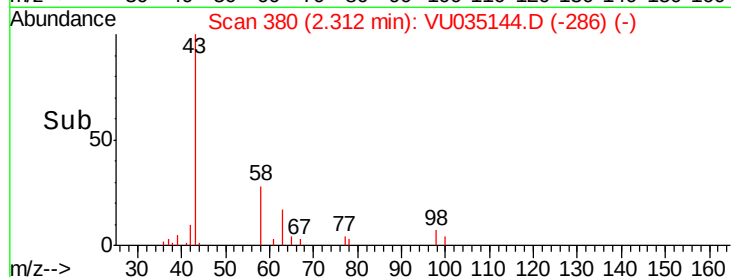
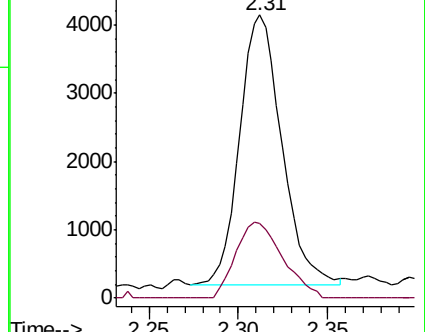
43 100

58 31.4 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035144.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU035144.D (-360) (-)



#16

Methylene chloride

Concen: 0.075 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU035144.D

Acq: 14 Oct 2019 11:54

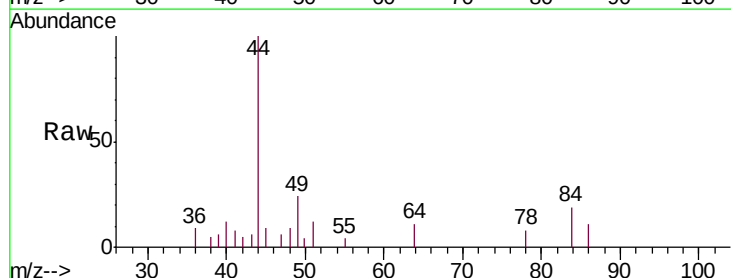
Tgt Ion: 84 Resp: 955

Ion Ratio Lower Upper

84 100

86 54.1 42.5 78.9

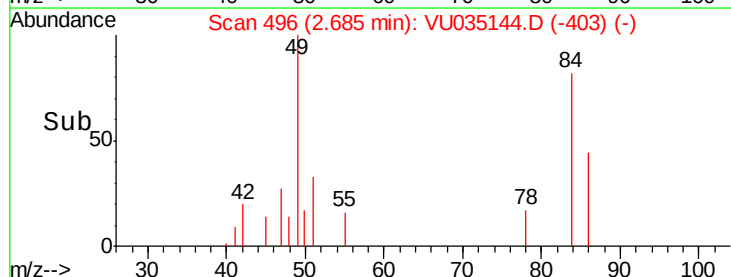
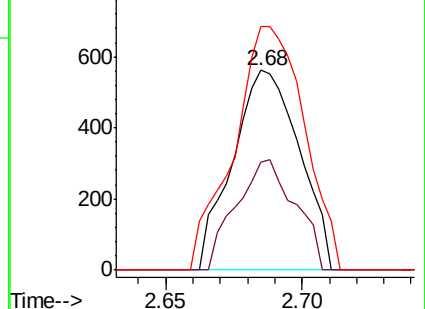
49 121.9 86.9 161.3

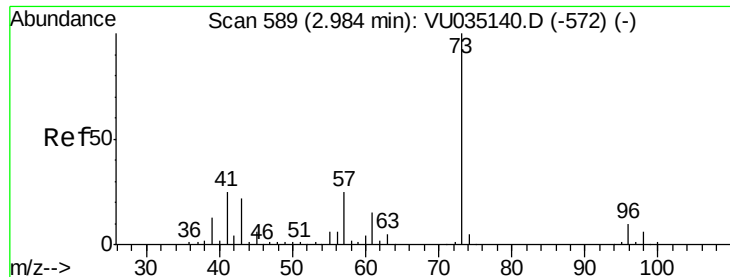


Abundance Ion 84.05 (83.75 to 84.75): VU035144.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU035144.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU035144.D (-482) (-)

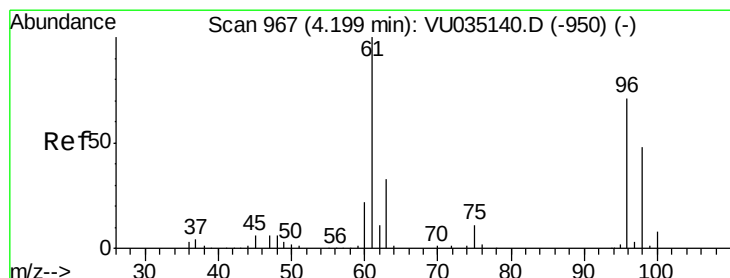
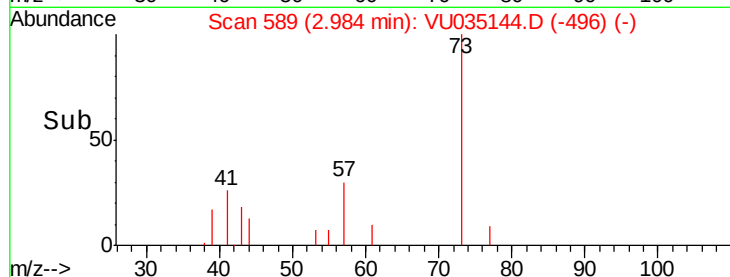
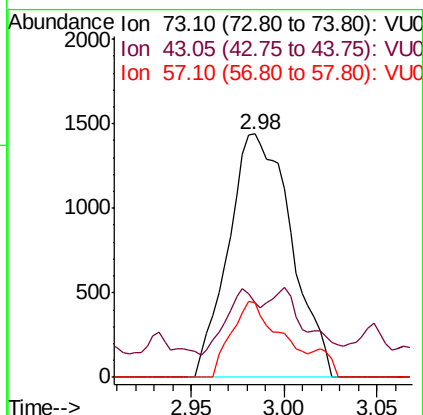
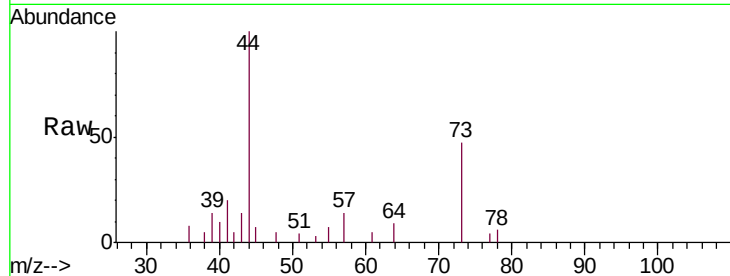




#17
Methyl tert-butyl Ether
Concen: 0.120 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU035144.D
Acq: 14 Oct 2019 11:54

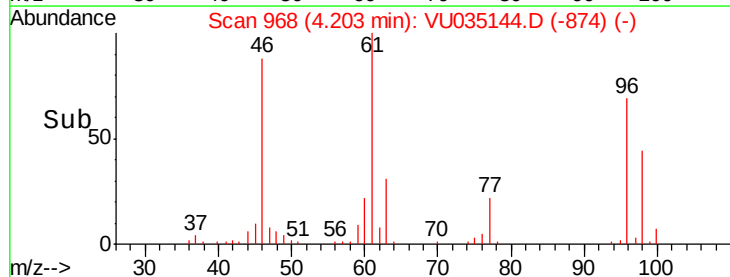
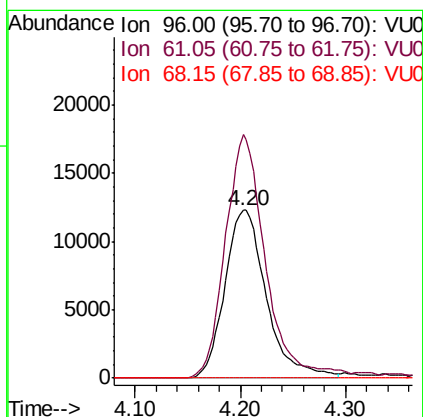
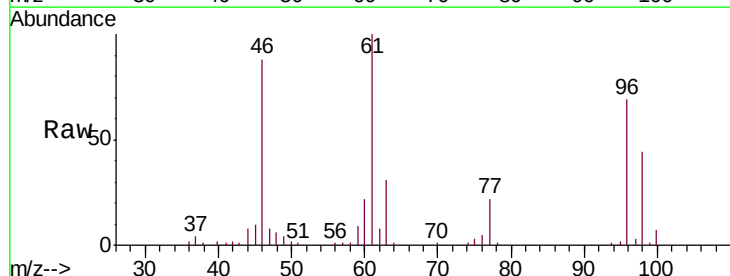
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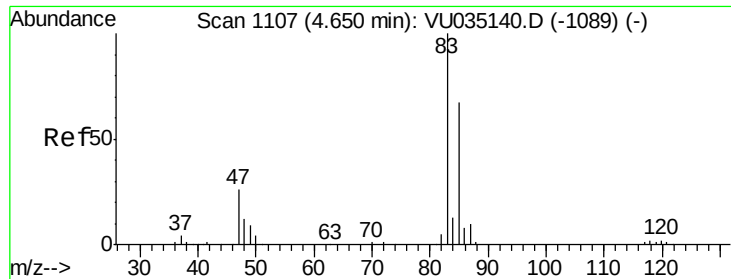
Tgt Ion: 73 Resp: 3389
Ion Ratio Lower Upper
73 100
43 13.5 16.3 24.5#
57 24.6 18.6 28.0



#22
cis-1,2-Dichloroethene
Concen: 2.720 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU035144.D
Acq: 14 Oct 2019 11:54

Tgt Ion: 96 Resp: 33565
Ion Ratio Lower Upper
96 100
61 144.9 89.2 165.6
68 0.0 0.0 0.0

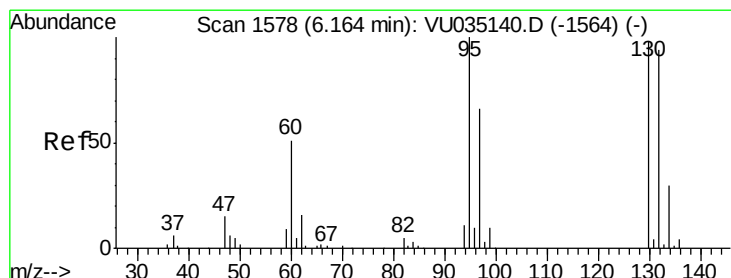
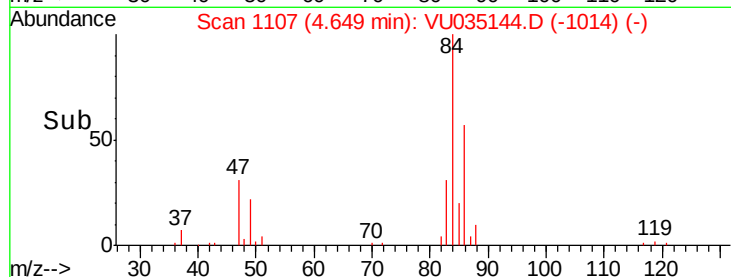
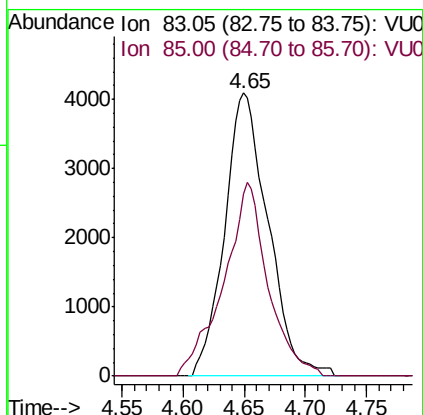
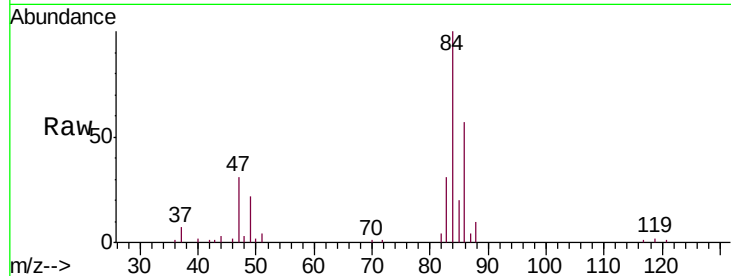




#25
Chloroform
Concen: 0.411 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU035144.D
Acq: 14 Oct 2019 11:54

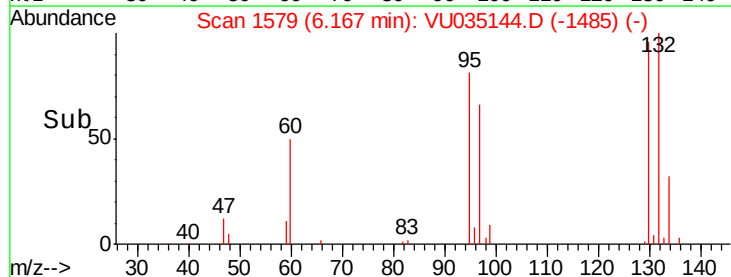
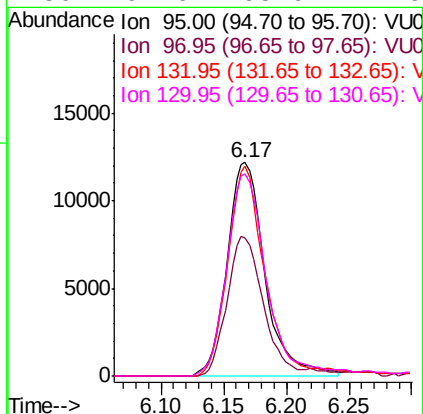
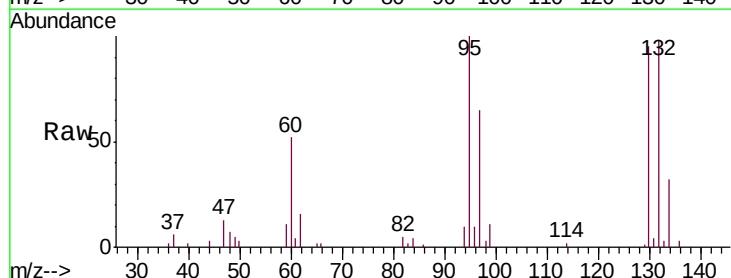
Instrument :
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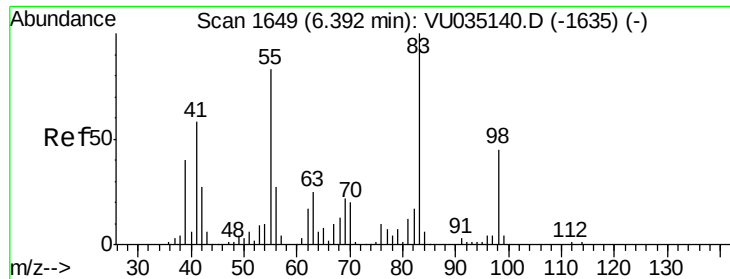
Tgt Ion: 83 Resp: 10150
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#34
Trichloroethene
Concen: 1.967 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU035144.D
Acq: 14 Oct 2019 11:54

Tgt Ion: 95 Resp: 25629
Ion Ratio Lower Upper
95 100
97 65.0 44.5 82.7
132 98.5 66.6 123.8
130 94.6 68.9 127.9

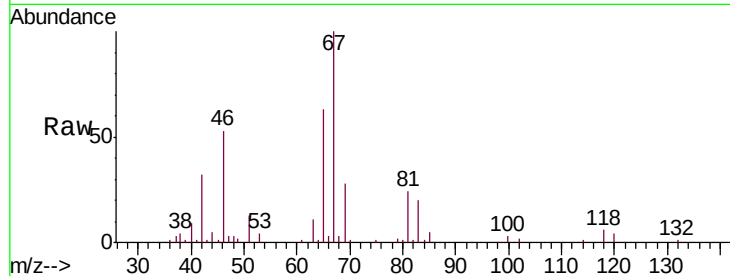




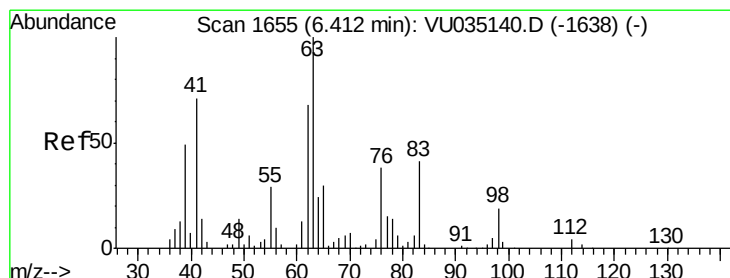
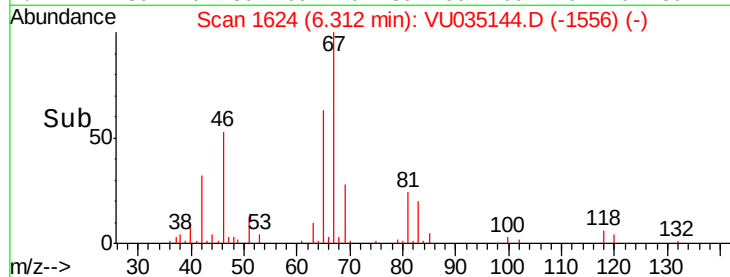
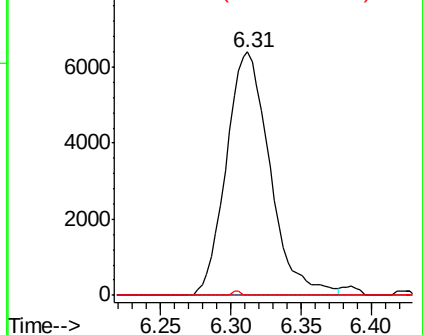
#35
Methylcyclohexane
Concen: 0.656 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU035144.D
Acq: 14 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
RD-6-001-01

Tgt Ion: 83 Resp: 13837
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.3 36.2 54.2#

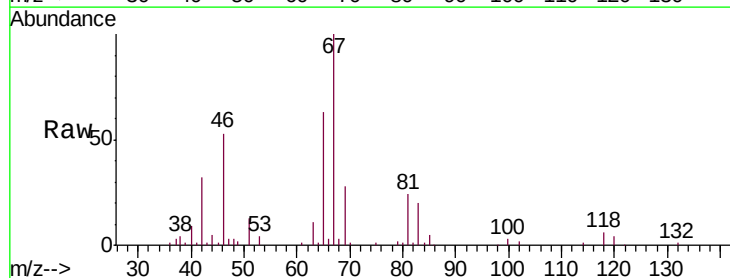


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

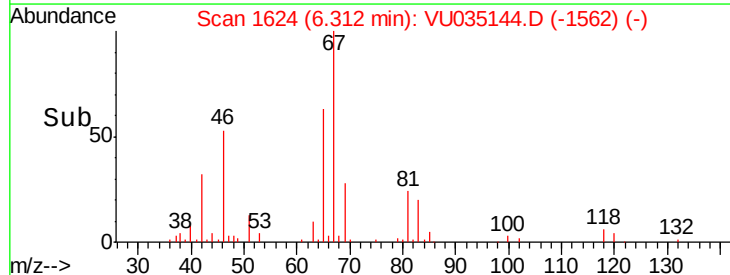
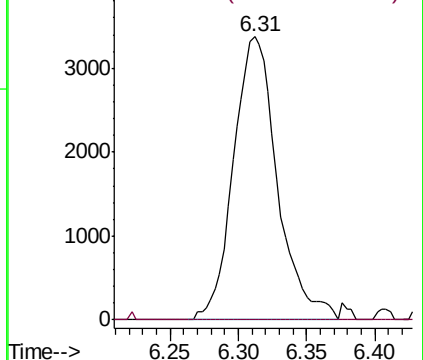


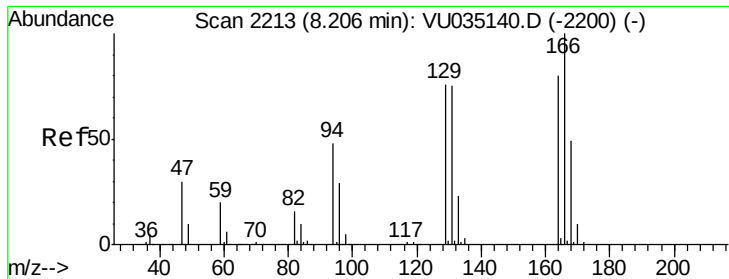
#37
1,2-Dichloropropane
Concen: 0.555 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU035144.D
Acq: 14 Oct 2019 11:54

Tgt Ion: 63 Resp: 7564
Ion Ratio Lower Upper
63 100
112 0.3 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.987 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VU035144.D

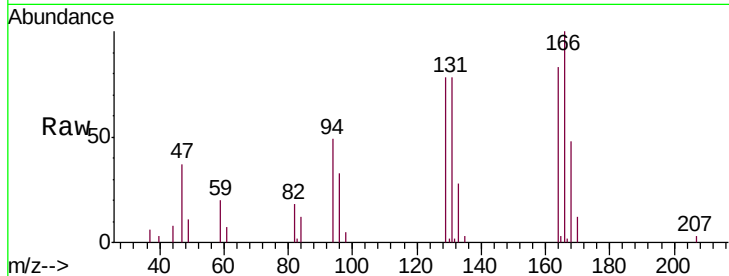
Acq: 14 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

RD-6-001-01



Tgt Ion:164 Resp: 10406

Ion Ratio Lower Upper

164 100

129 93.2 68.5 127.1

131 93.0 67.3 124.9

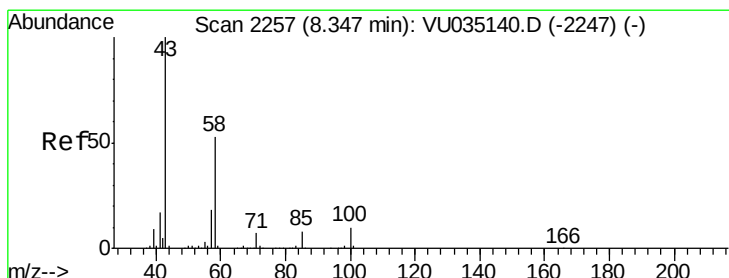
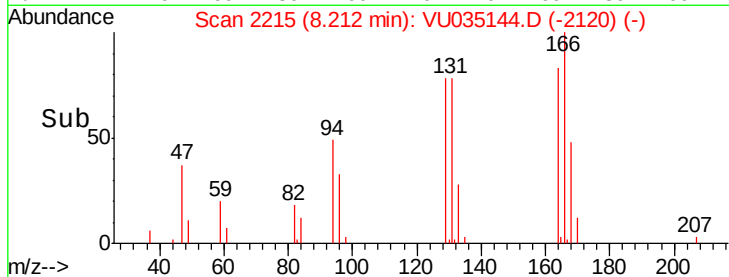
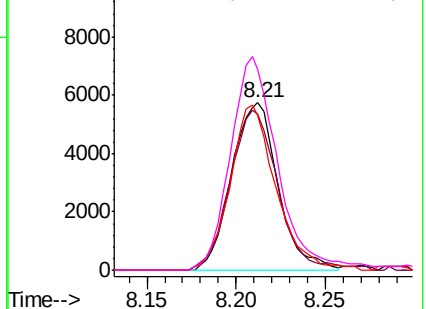
166 119.9 93.1 172.9

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



#48

2-Hexanone

Concen: 3.031 ug/L

RT: 8.30 min Scan# 2243

Delta R.T. -0.05 min

Lab File: VU035144.D

Acq: 14 Oct 2019 11:54

Tgt Ion: 43 Resp: 17823

Ion Ratio Lower Upper

43 100

58 14.1 44.1 66.1#

57 17.7 15.8 23.8

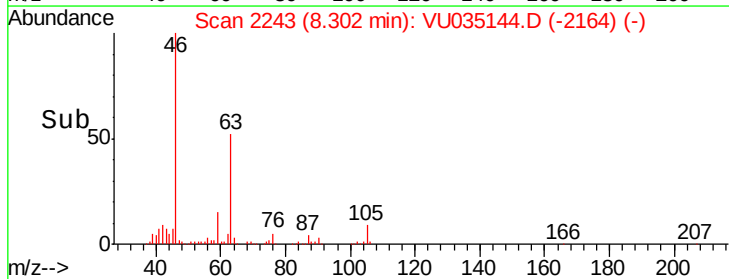
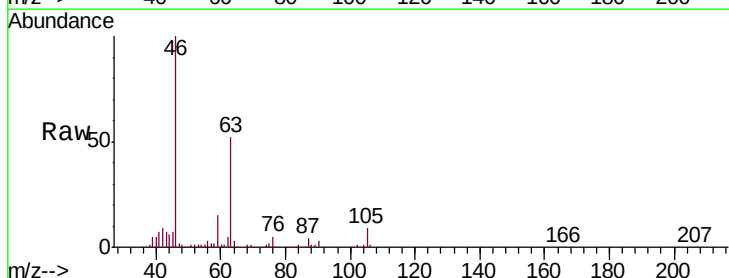
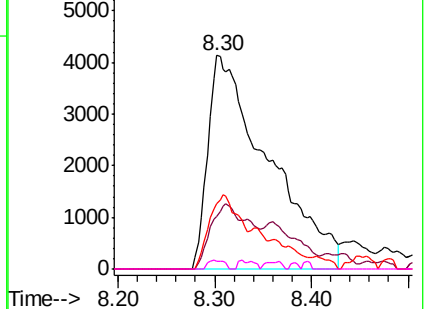
100 1.1 9.4 14.2#

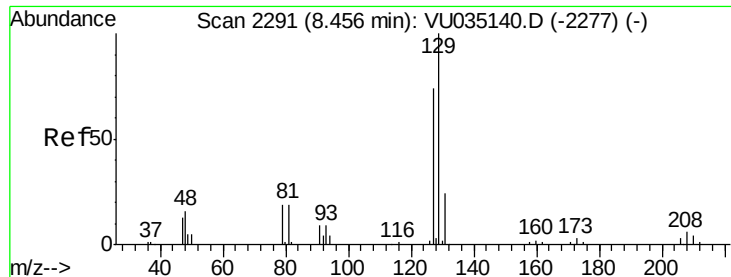
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.984 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU035144.D

Acq: 14 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

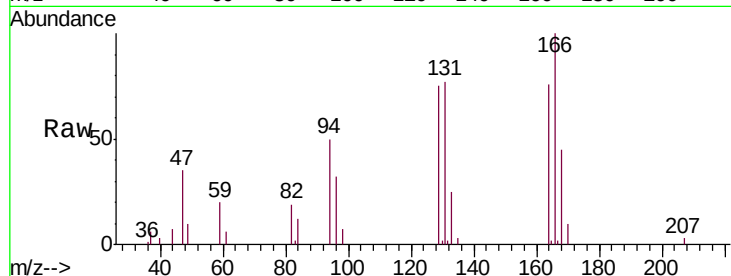
RD-6-001-01

Tgt Ion:129 Resp: 10293

Ion Ratio Lower Upper

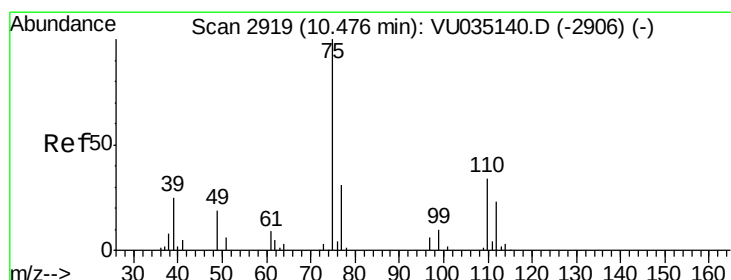
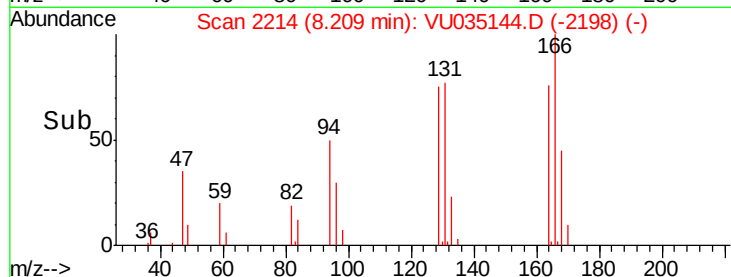
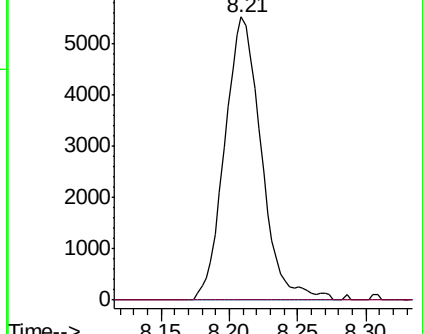
129 100

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: 0.852 ug/L

RT: 11.47 min Scan# 3229

Delta R.T. 1.00 min

Lab File: VU035144.D

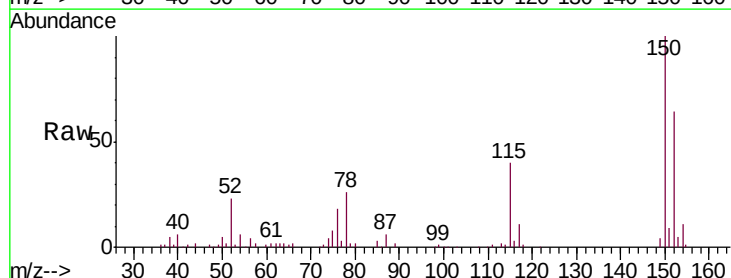
Acq: 14 Oct 2019 11:54

Tgt Ion: 75 Resp: 7517

Ion Ratio Lower Upper

75 100

77 40.6 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

