

Data File : VU033429.D
Acq On : 25 Jul 2019 23:00
Operator : JC/SP
Sample : K3976-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CB5

Quant Time: Jul 26 05:54:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	278254	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	285870	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122709	58.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.52%
7) Chloroethane-d5	1.67	69	108834	60.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.96%
11) 1,1-Dichloroethene-d2	2.25	63	166424	43.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.12%
21) 2-Butanone-d5	4.15	46	152826	114.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.51%
24) Chloroform-d	4.62	84	196820	55.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.52%
26) 1,2-Dichloroethane-d4	5.29	65	130119	57.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.94%
32) Benzene-d6	5.32	84	398158	56.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.54%
36) 1,2-Dichloropropane-d6	6.31	67	125438	55.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.68%
41) Toluene-d8	7.55	98	363228	54.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.84%
43) trans-1,3-Dichloropropene-	7.83	79	57729	52.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.82%
47) 2-Hexanone-d5	8.30	63	108693	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	190043	55.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	135213	61.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.68%#

Target Compounds

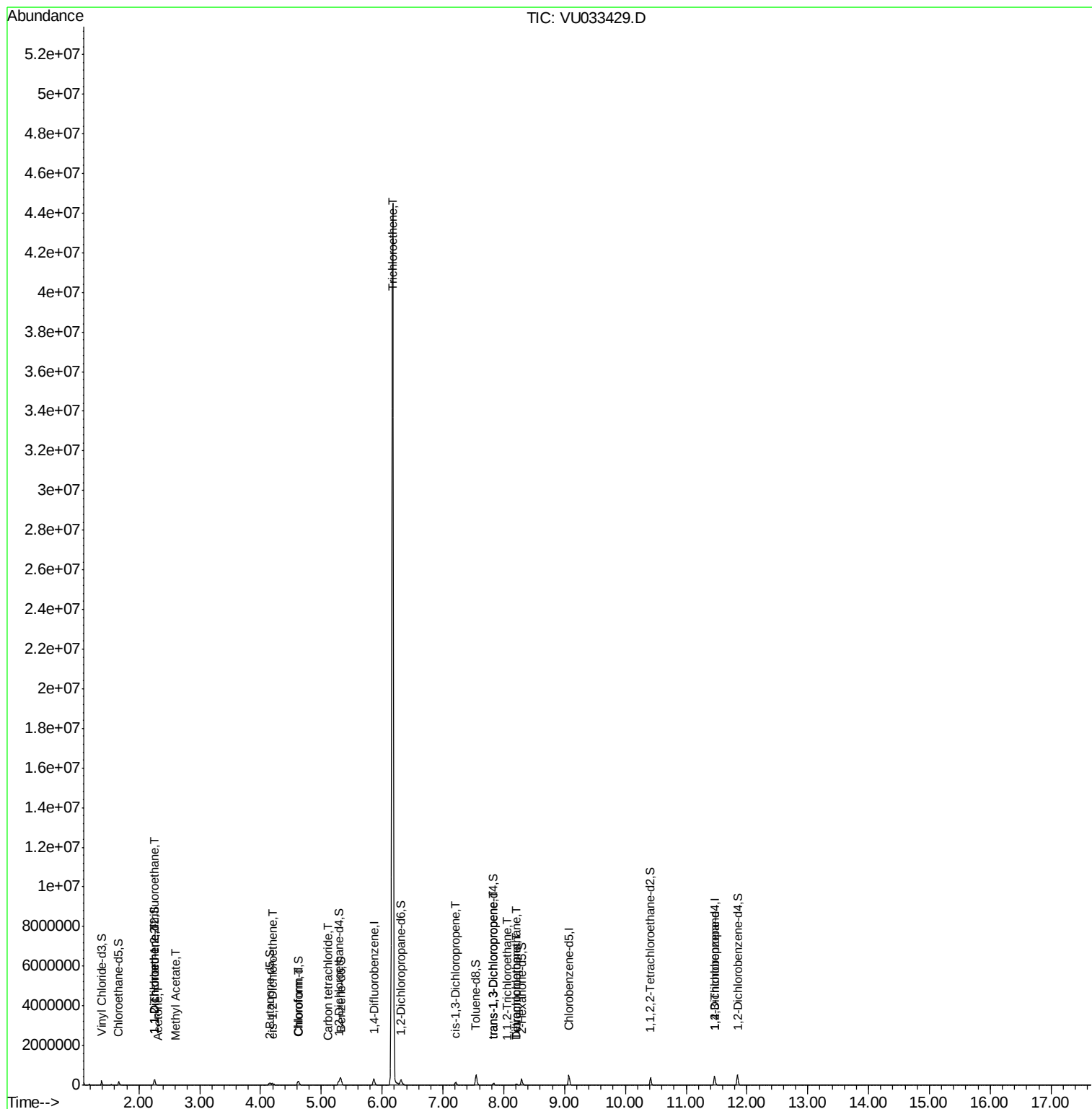
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1374	0.724	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	4200	2.261	ug/L #	1
13) Acetone	2.31	43	2878	1.726	ug/L	91
15) Methyl Acetate	2.60	43	4630	2.126	ug/L #	87
20) cis-1,2-Dichloroethene	4.20	96	34984	16.158	ug/L	99
25) Chloroform	4.64	83	2156	0.549	ug/L #	75
31) Carbon tetrachloride	5.11	117	2137	0.732	ug/L	98
34) Trichloroethene	6.17	95	14150170	6490.057	ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	3465	1.000	ug/L #	69
44) trans-1,3-Dichloropropene	7.83	75	2573	0.823	ug/L	91
45) 1,1,2-Trichloroethane	8.05	97	4034	1.887	ug/L	96
46) Tetrachloroethene	8.21	164	9828	5.823	ug/L	98
49) Dibromochloromethane	8.21	129	9851	4.130	ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	15315	5.203	ug/L	93

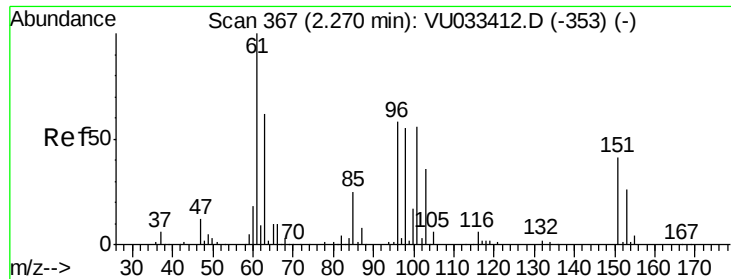
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.724 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

C0CB5

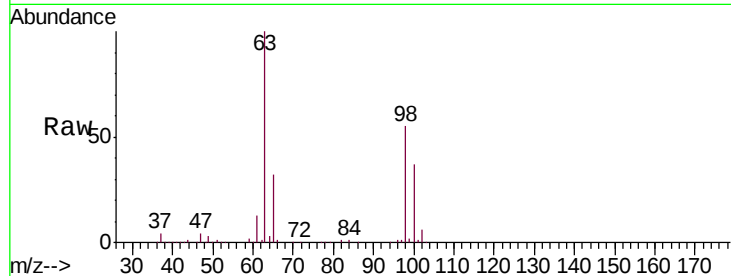
Tgt Ion: 101 Resp: 1374

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

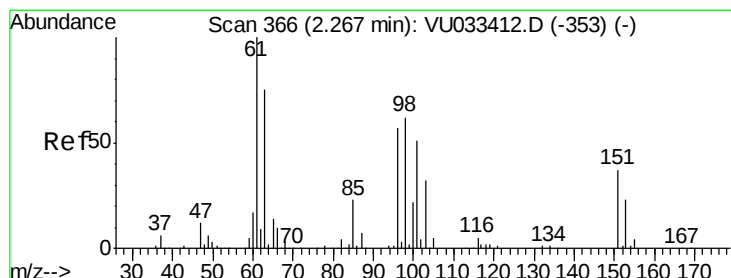
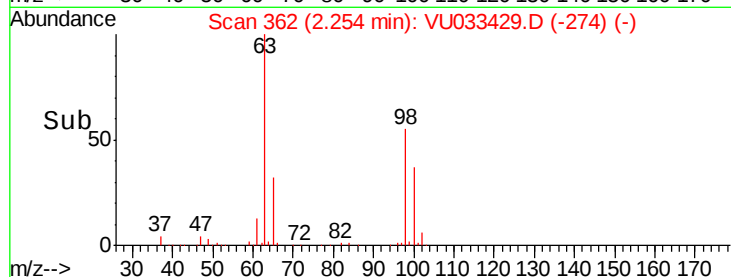
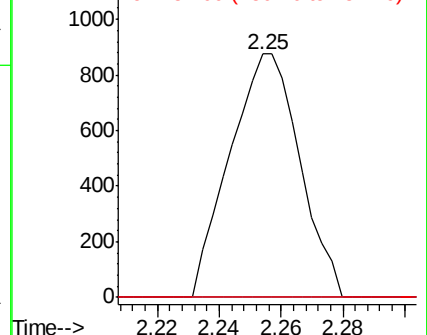
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.261 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.00 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

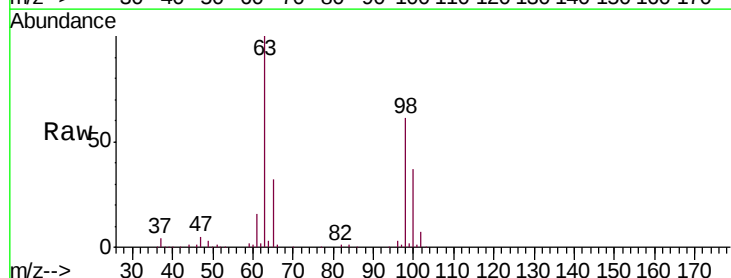
Tgt Ion: 96 Resp: 4200

Ion Ratio Lower Upper

96 100

61 515.6 126.1 234.1#

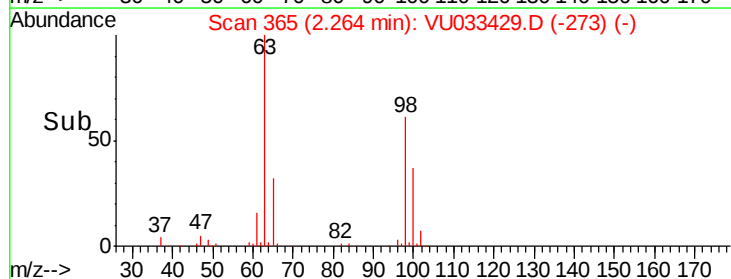
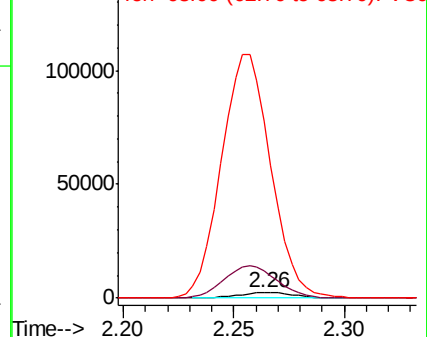
63 3303.6 96.8 179.8#

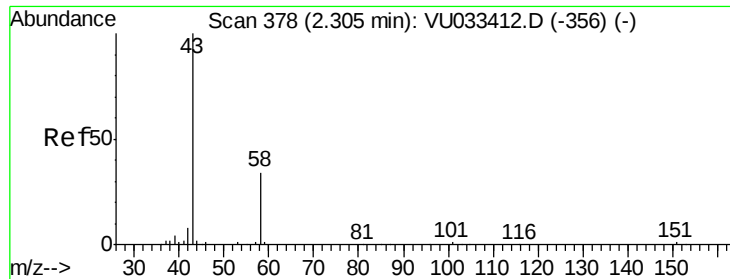


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.726 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

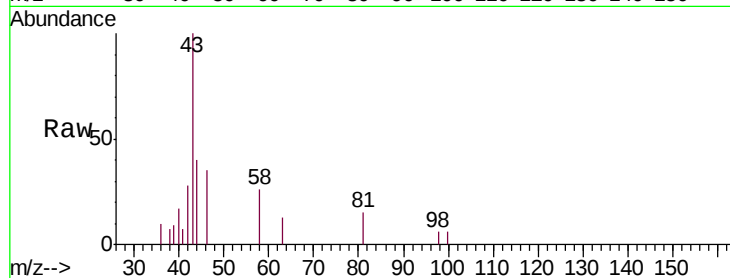
C0CB5

Tgt Ion: 43 Resp: 2878

Ion Ratio Lower Upper

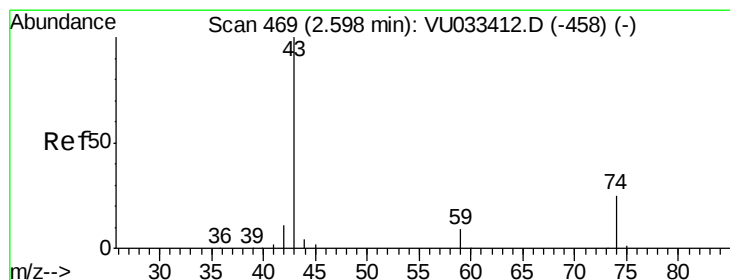
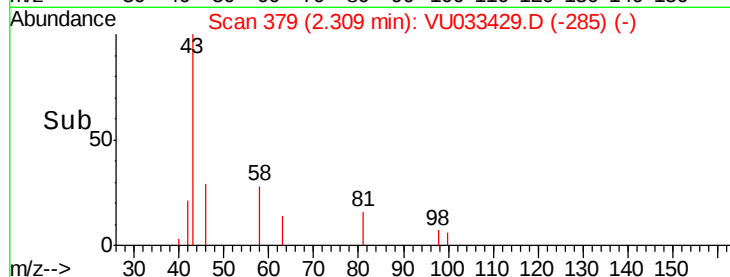
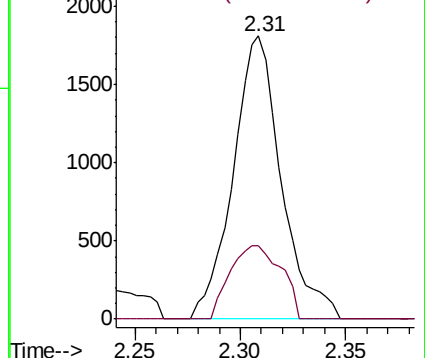
43 100

58 27.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033412.D (-356) (-)



#15

Methyl Acetate

Concen: 2.126 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU033429.D

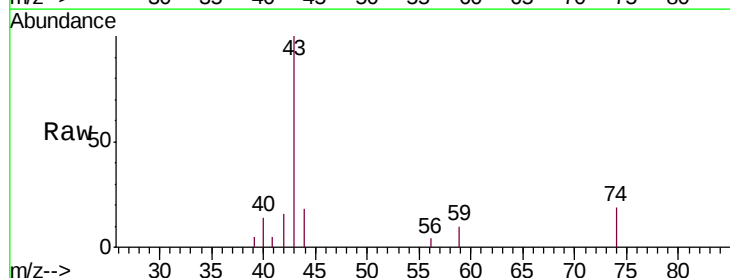
Acq: 25 Jul 2019 23:00

Tgt Ion: 43 Resp: 4630

Ion Ratio Lower Upper

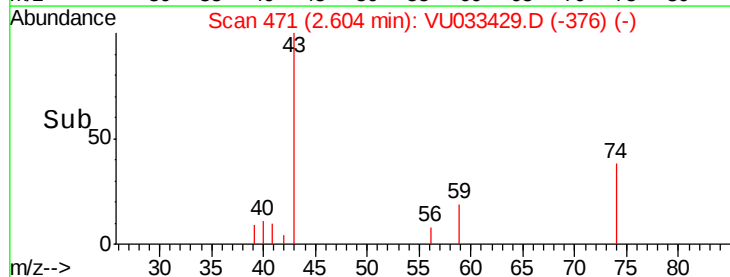
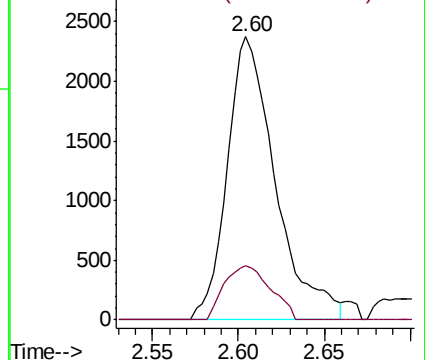
43 100

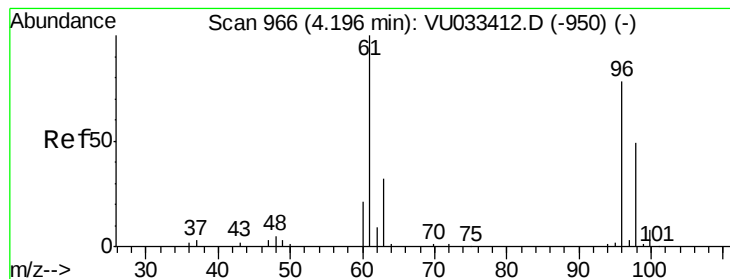
74 18.5 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033412.D (-458) (-)



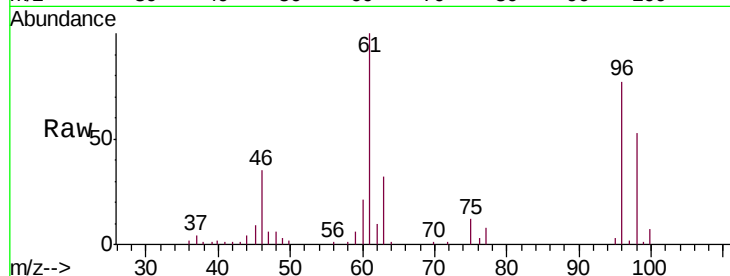


#20

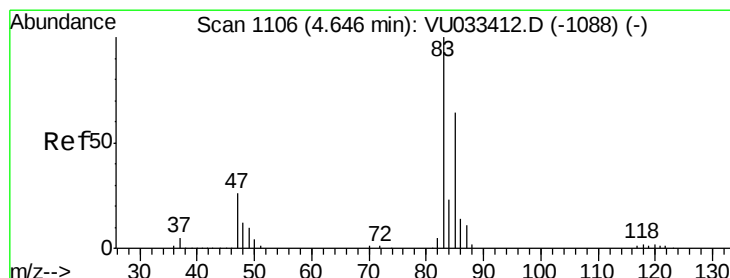
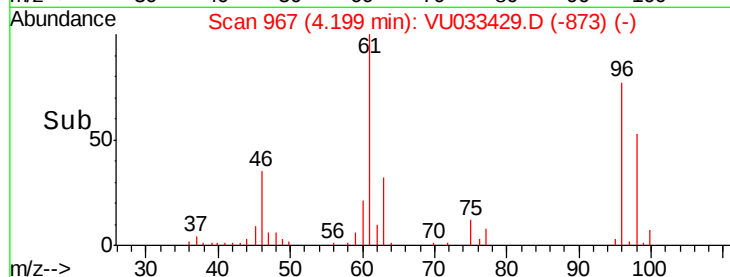
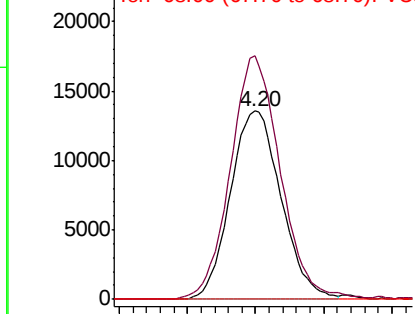
cis-1,2-Dichloroethene
Concen: 16.158 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033429.D
Acq: 25 Jul 2019 23:00

Instrument :
MSVOA_U
ClientSampleId :
C0CB5

Tgt Ion: 96 Resp: 34984
Ion Ratio Lower Upper
96 100
61 129.3 91.1 169.1
68 0.0 0.0 0.0



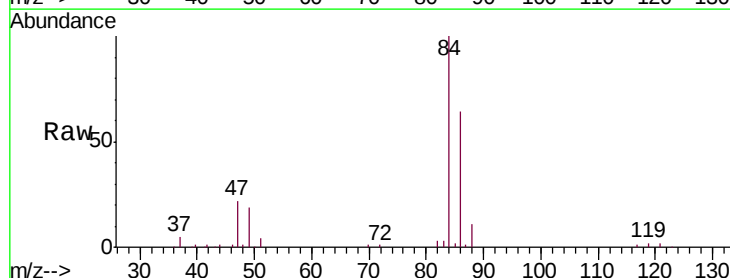
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



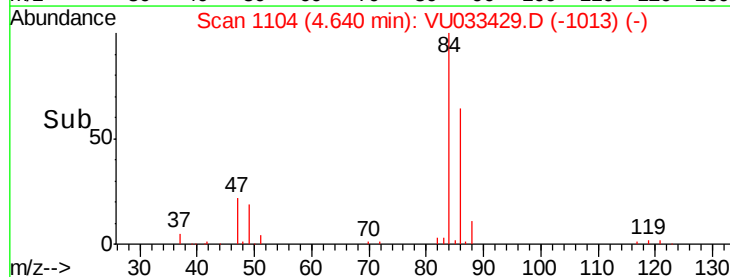
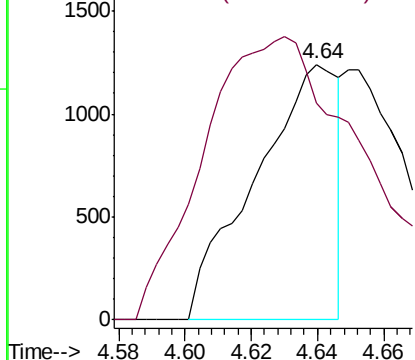
#25

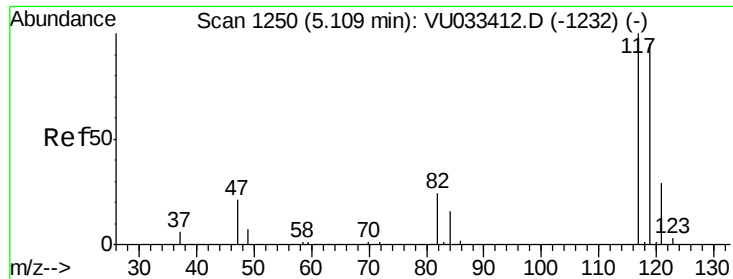
Chloroform
Concen: 0.549 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VU033429.D
Acq: 25 Jul 2019 23:00

Tgt Ion: 83 Resp: 2156
Ion Ratio Lower Upper
83 100
85 84.9 45.4 84.4#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#31

Carbon tetrachloride

Concen: 0.732 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

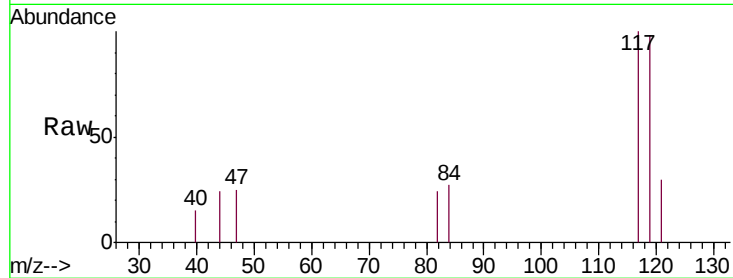
C0CB5

Tgt Ion:117 Resp: 2137

Ion Ratio Lower Upper

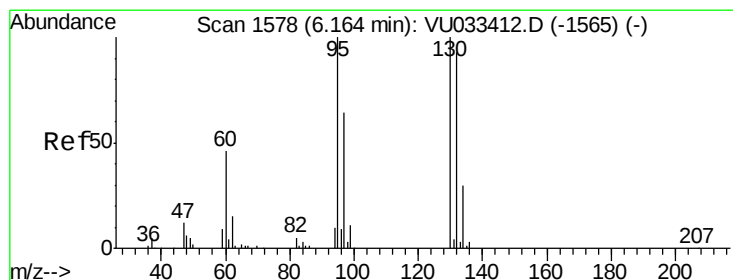
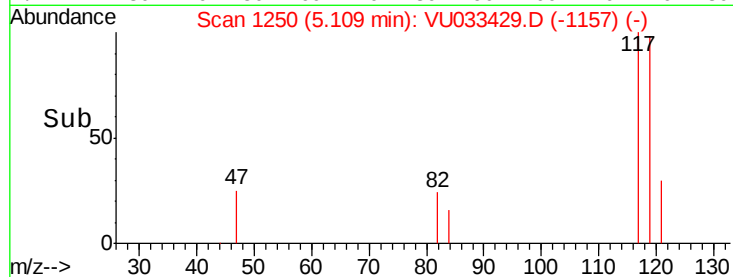
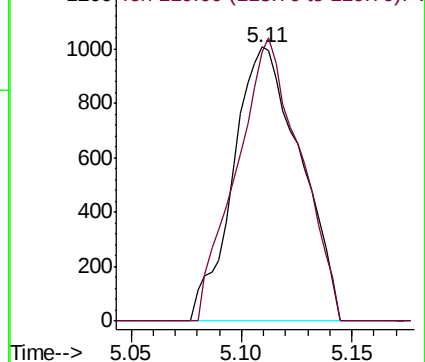
117 100

119 98.2 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 6490.057 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Tgt Ion: 95 Resp:14150170

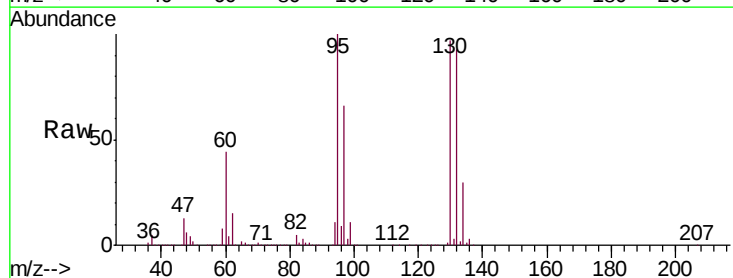
Ion Ratio Lower Upper

95 100

97 66.2 43.8 81.4

132 93.2 65.5 121.6

130 97.2 69.7 129.5

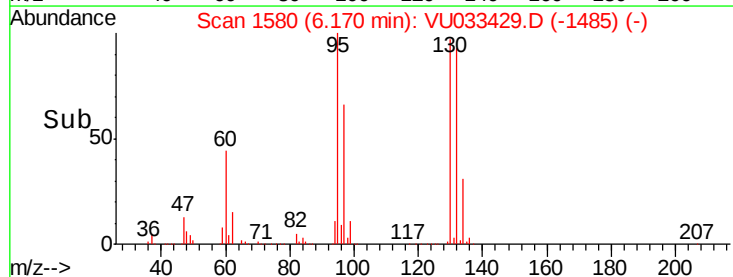
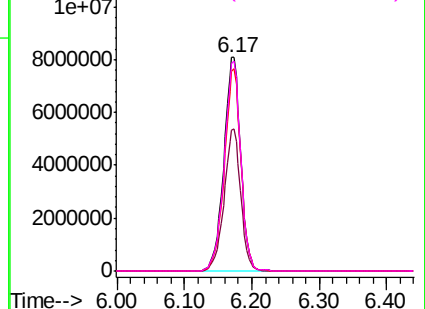


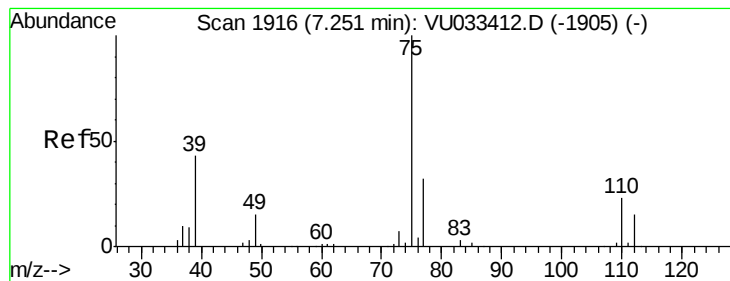
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



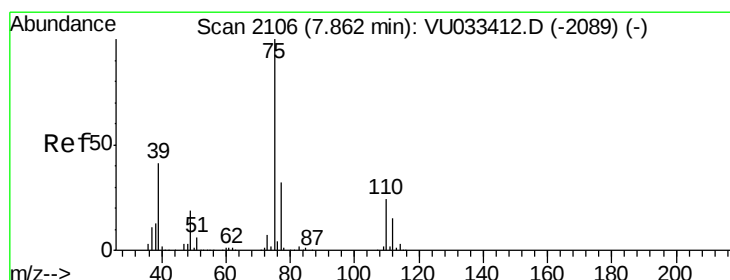
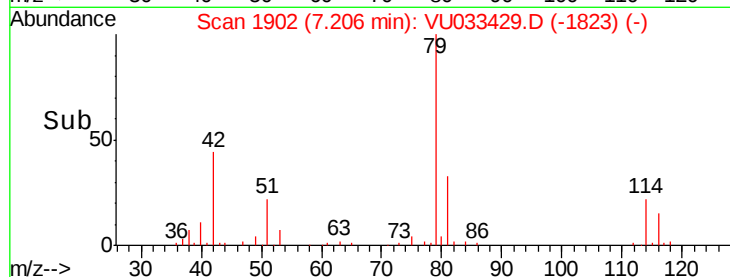
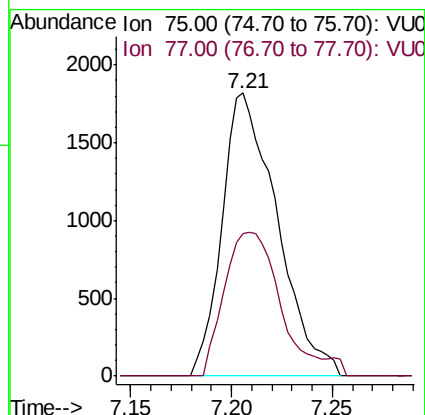
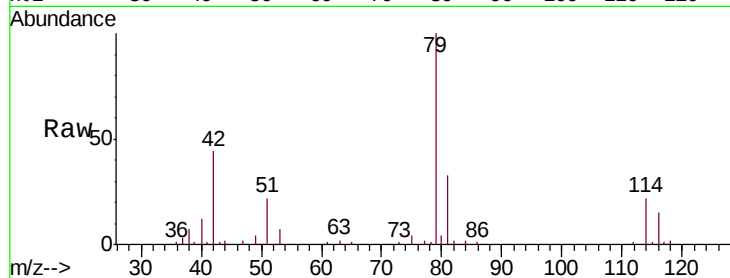


#39

cis-1,3-Dichloropropene
 Concen: 1.000 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.05 min
 Lab File: VU033429.D
 Acq: 25 Jul 2019 23:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CB5

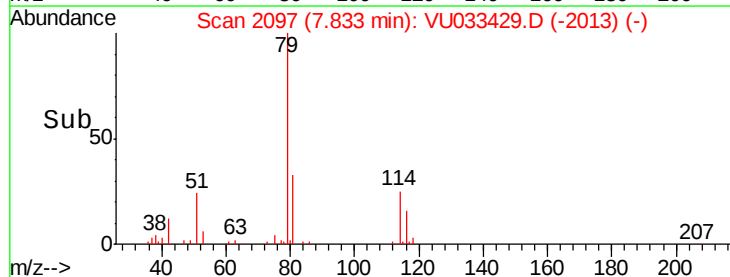
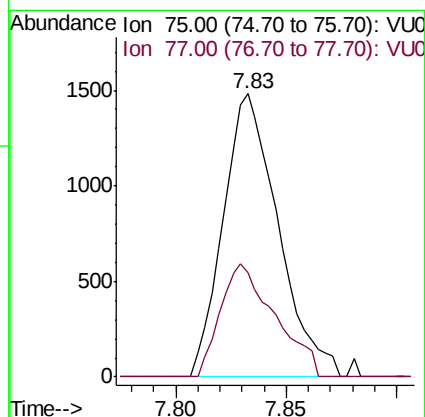
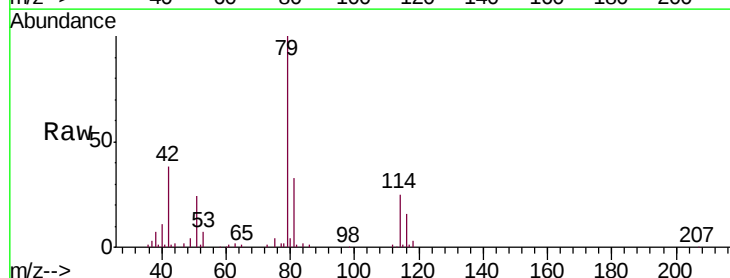
Tgt Ion: 75 Resp: 3465
 Ion Ratio Lower Upper
 75 100
 77 50.3 23.1 42.9#

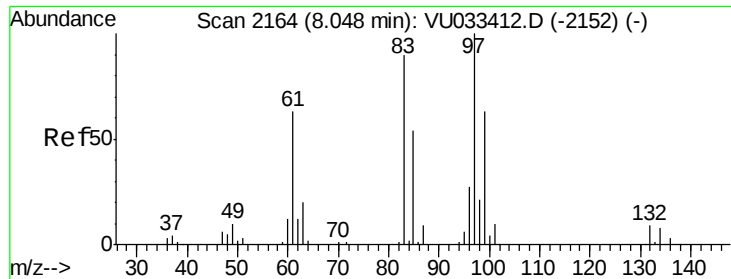


#44

trans-1,3-Dichloropropene
 Concen: 0.823 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033429.D
 Acq: 25 Jul 2019 23:00

Tgt Ion: 75 Resp: 2573
 Ion Ratio Lower Upper
 75 100
 77 37.0 22.4 41.6

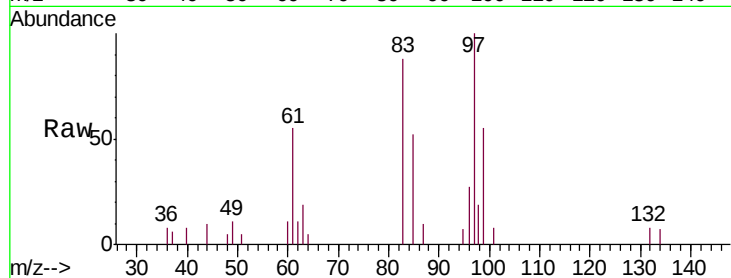




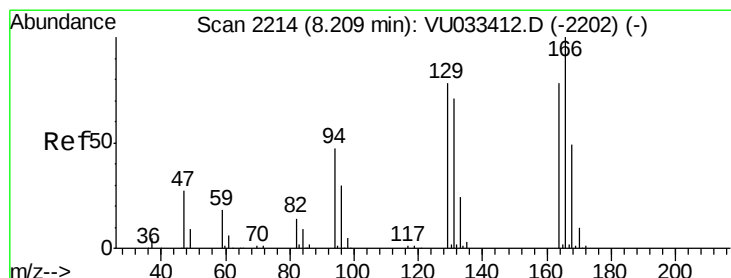
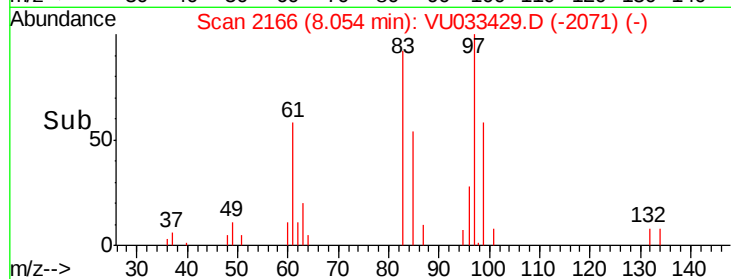
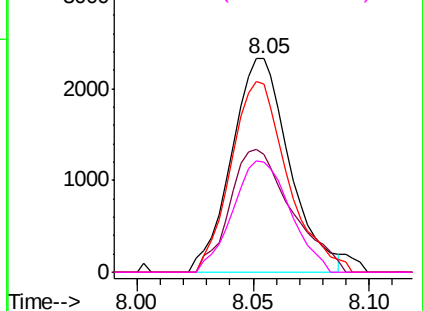
#45
 1,1,2-Trichloroethane
 Concen: 1.887 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU033429.D
 Acq: 25 Jul 2019 23:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CB5

Tgt Ion:	97	Resp:	4034
Ion	Ratio	Lower	Upper
97	100		
99	55.2	43.0	79.8
83	87.9	61.5	114.3
85	51.6	38.8	72.0



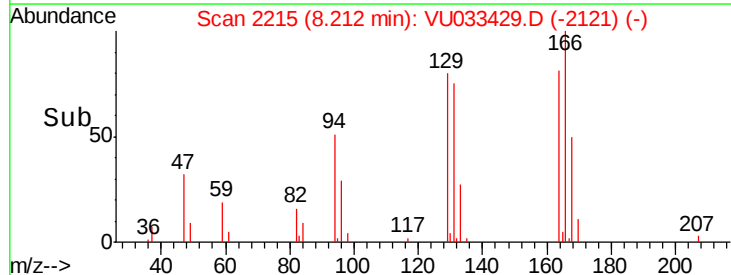
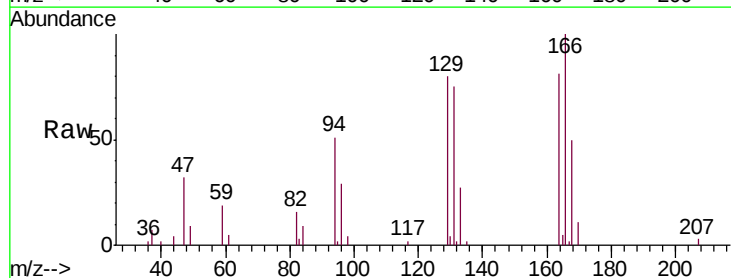
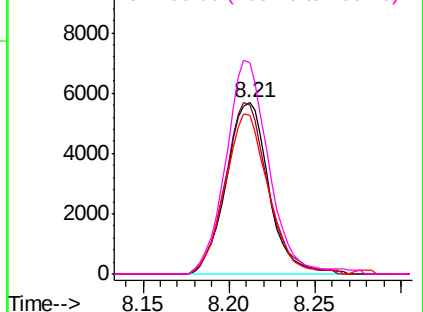
Abundance Ion 97.00 (96.70 to 97.70): VU033429.D (-2164) (-)

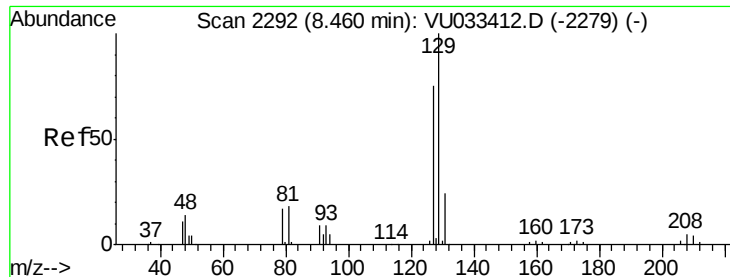


#46
 Tetrachloroethene
 Concen: 5.823 ug/L
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VU033429.D
 Acq: 25 Jul 2019 23:00

Tgt Ion:	164	Resp:	9828
Ion	Ratio	Lower	Upper
164	100		
129	98.9	69.6	129.2
131	92.4	65.7	122.1
166	123.0	88.5	164.4

Abundance Ion 164.00 (163.70 to 164.70): VU033429.D (-2214) (-)





#49

Dibromochloromethane

Concen: 4.130 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

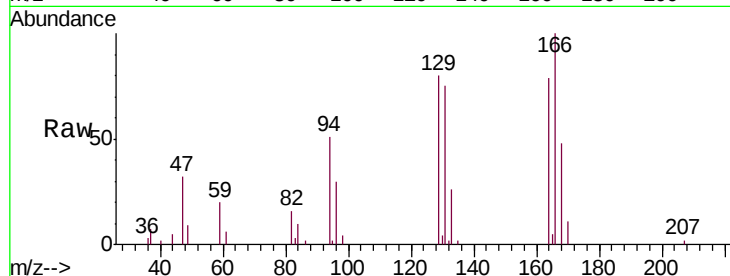
C0CB5

Tgt Ion:129 Resp: 9851

Ion Ratio Lower Upper

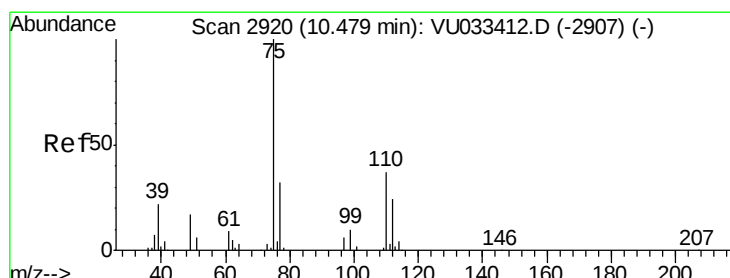
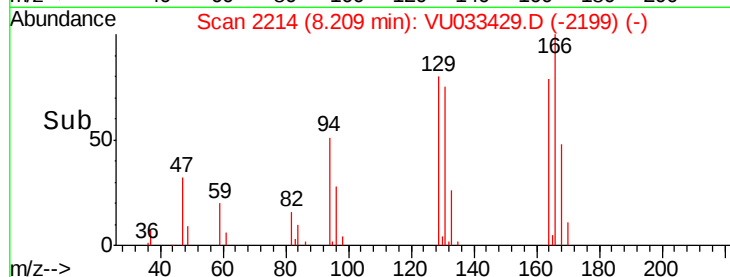
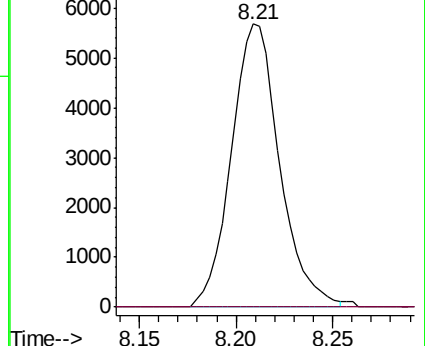
129 100

127 0.0 54.3 100.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.203 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033429.D

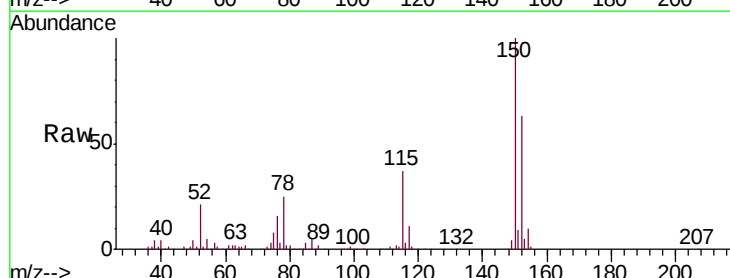
Acq: 25 Jul 2019 23:00

Tgt Ion: 75 Resp: 15315

Ion Ratio Lower Upper

75 100

77 36.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

