

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\
 Data File : VU039215.D
 Acq On : 30 Jun 2020 03:15
 Operator : SY/MD
 Sample : L3121-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F77

Quant Time: Jun 30 03:42:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 03:39:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	206234	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	214513	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	91994	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	53746	2.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.80%
7) Chloroethane-d5	1.93	69	55233	3.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.80%
11) 1,1-Dichloroethene-d2	2.59	63	91799	2.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.00%#
20) 2-Butanone-d5	4.67	46	286360	49.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.06%
24) Chloroform-d	5.10	84	148788	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.74	65	93016	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.76	84	265752	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.40%
36) 1,2-Dichloropropane-d6	6.72	67	90809	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.92	98	204462	3.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.60%#
43) trans-1,3-Dichloropropene-	8.20	79	27441	2.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.20%
46) 2-Hexanone-d5	8.66	63	206211	45.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	89906	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	89341	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

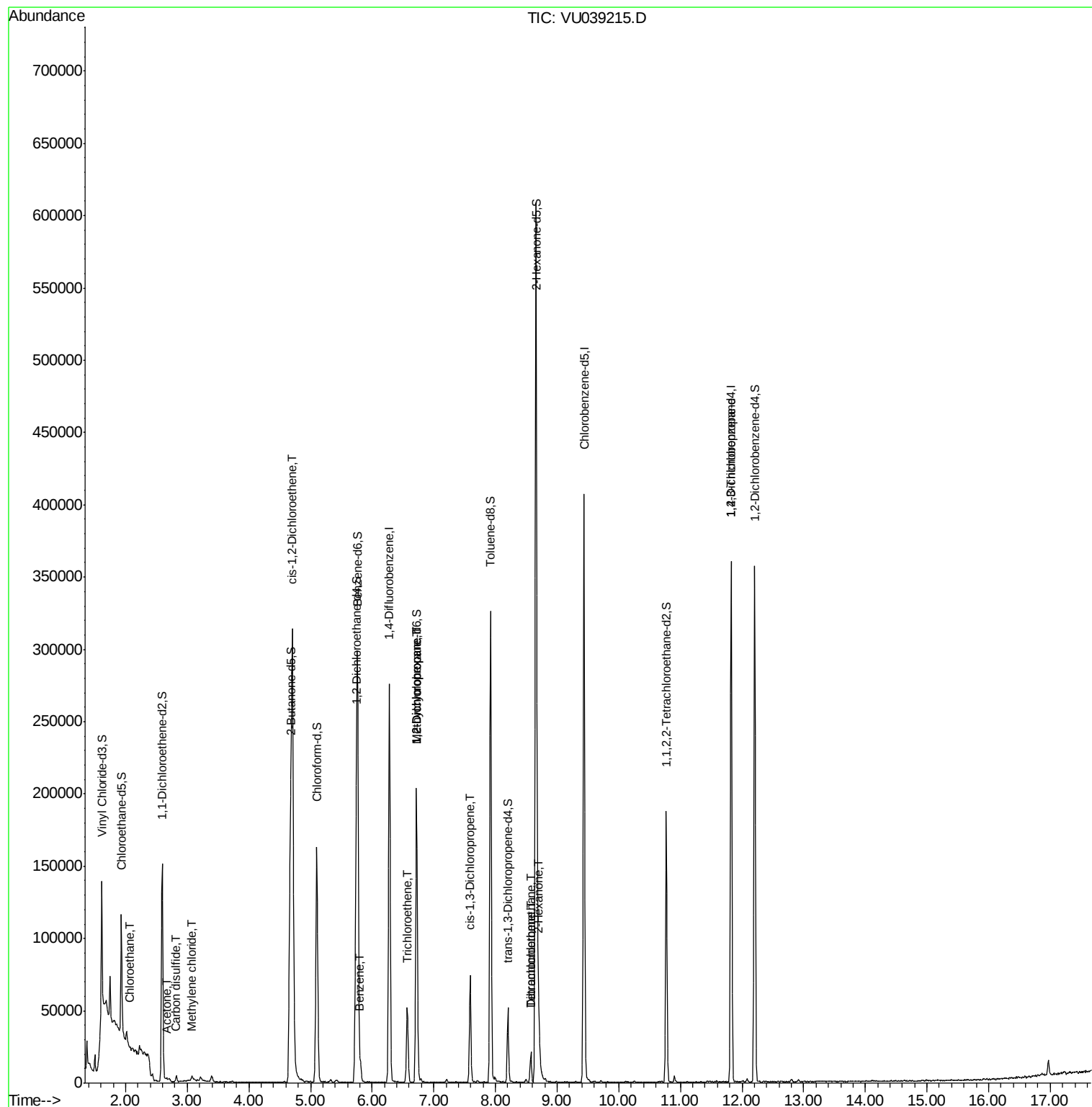
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	2.07	64	1596	0.125	ug/L #	51
13) Acetone	2.67	43	3000	0.846	ug/L	80
14) Carbon disulfide	2.82	76	5481	0.103	ug/L #	95
16) Methylene chloride	3.08	84	1288	0.071	ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	122697	7.561	ug/L	99
33) Benzene	5.81	78	12069	0.175	ug/L	100
34) Trichloroethene	6.57	95	16097	0.911	ug/L	93
35) Methylcyclohexane	6.72	83	22332	0.848	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	10937	0.596	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	1951	0.074	ug/L #	54
47) Tetrachloroethene	8.57	164	4103	0.323	ug/L	98
48) 2-Hexanone	8.70	43	20652	2.042	ug/L #	93
49) Dibromochloromethane	8.57	129	4375	0.280	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	12671	0.918	ug/L	89

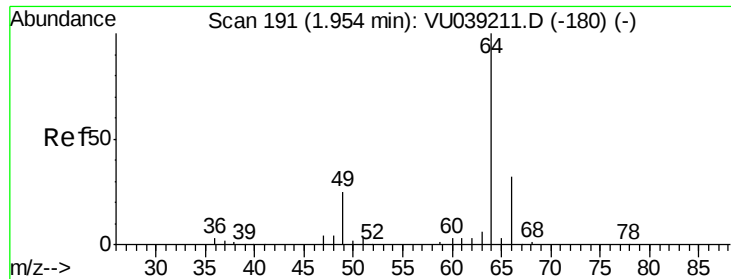
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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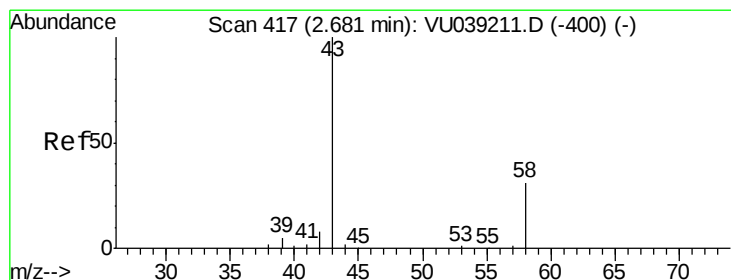
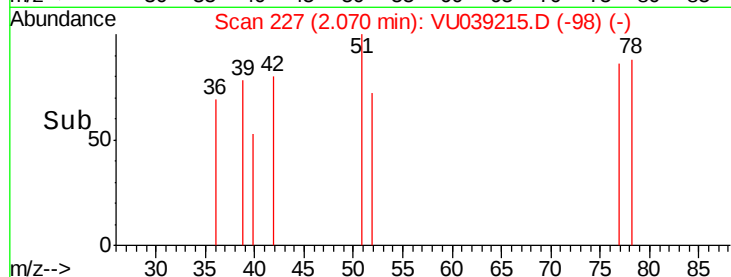
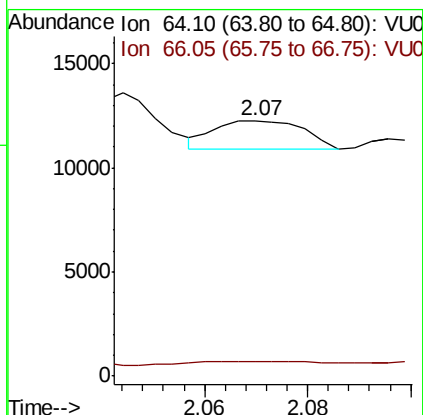
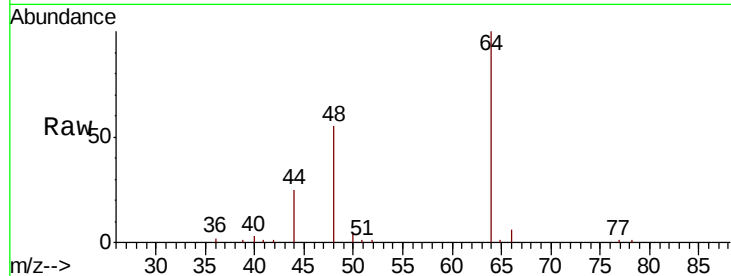




#8
Chloroethane
Concen: 0.125 ug/L
RT: 2.07 min Scan# 227
Delta R.T. 0.12 min
Lab File: VU039215.D
Acq: 30 Jun 2020 03:15

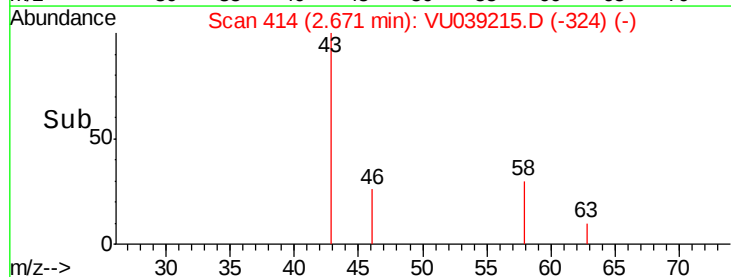
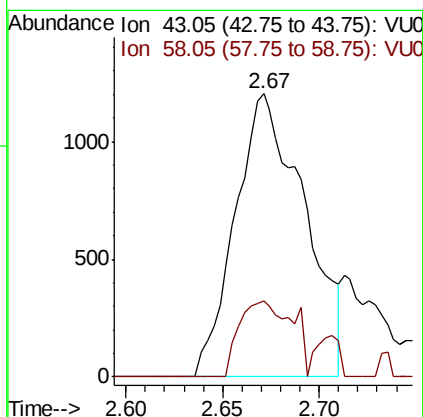
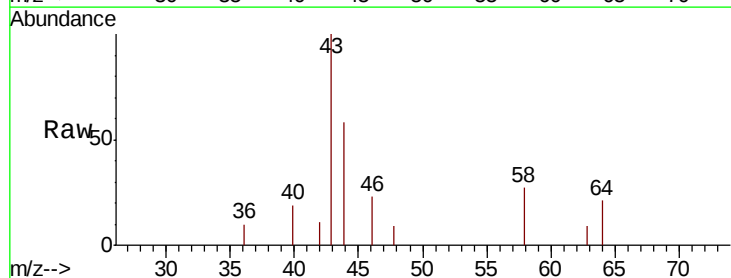
Instrument :
MSVOA_U
ClientSampleId :
F9F77

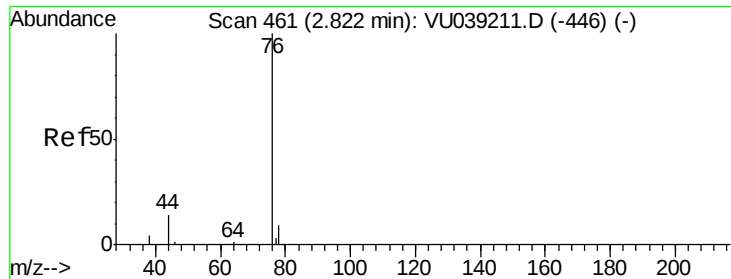
Tot Ion: 64 Resp: 1596
Ion Ratio Lower Upper
64 100
66 5.6 23.4 43.6#



#13
Acetone
Concen: 0.846 ug/L
RT: 2.67 min Scan# 414
Delta R.T. -0.01 min
Lab File: VU039215.D
Acq: 30 Jun 2020 03:15

Tgt Ion: 43 Resp: 3000
Ion Ratio Lower Upper
43 100
58 20.3 0.0 63.2





#14

Carbon disulfide

Concen: 0.103 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU039215.D

Acq: 30 Jun 2020 03:15

Instrument :

MSVOA_U

ClientSampled :

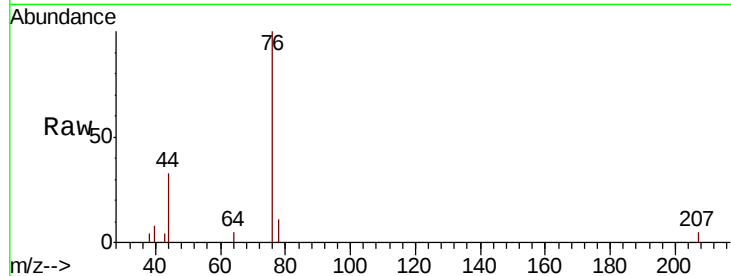
F9F77

Tot Ion: 76 Resp: 5481

Ion Ratio Lower Upper

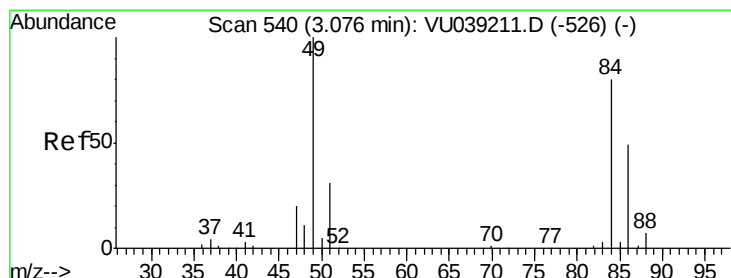
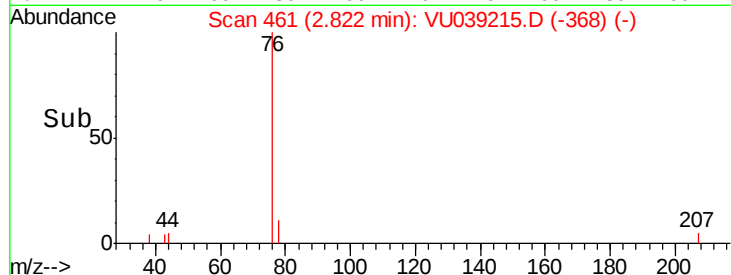
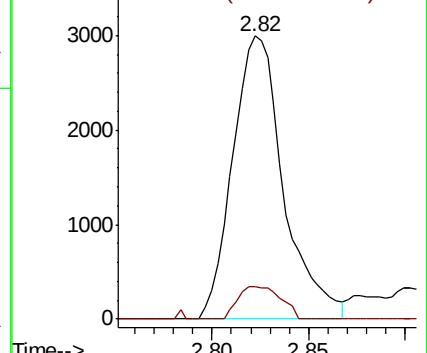
76 100

78 11.4 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VU039215.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU039215.D (-368) (-)



#16

Methylene chloride

Concen: 0.071 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU039215.D

Acq: 30 Jun 2020 03:15

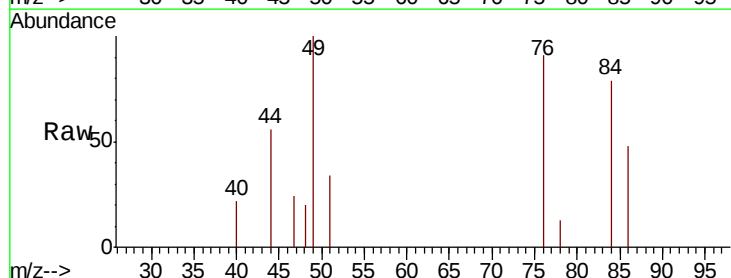
Tgt Ion: 84 Resp: 1288

Ion Ratio Lower Upper

84 100

86 60.3 44.2 82.2

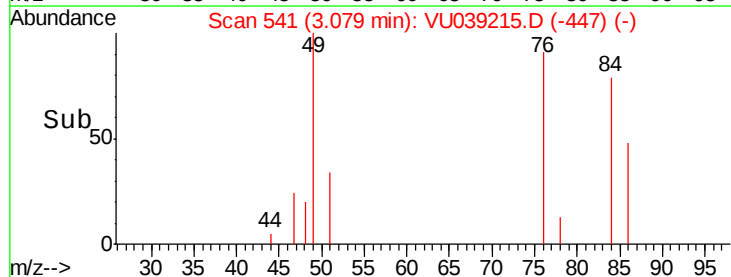
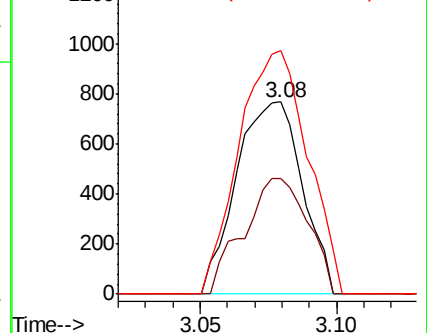
49 126.7 93.2 173.0

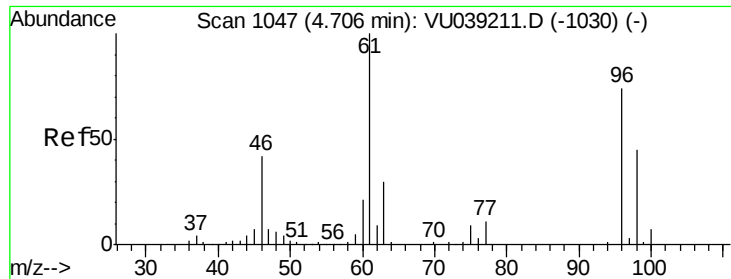


Abundance Ion 84.05 (83.75 to 84.75): VU039215.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU039215.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU039215.D (-447) (-)

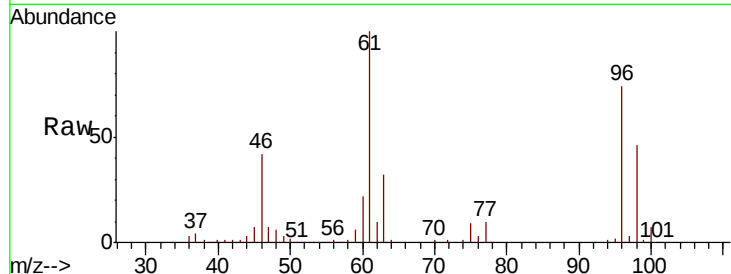




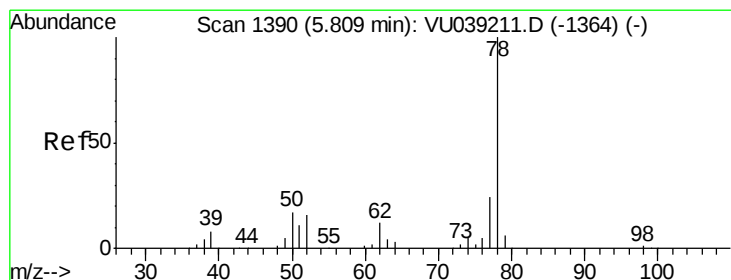
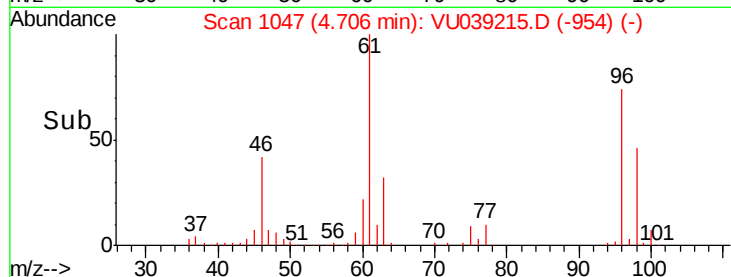
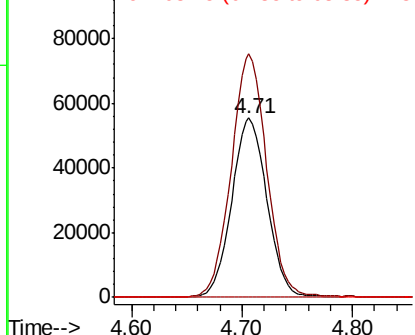
#22
 cis-1,2-Dichloroethene
 Concen: 7.561 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU039215.D
 Acq: 30 Jun 2020 03:15

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F77

Tot Ion: 96 Resp: 122697
 Ion Ratio Lower Upper
 96 100
 61 135.9 96.3 178.9
 68 0.0 0.0 0.0

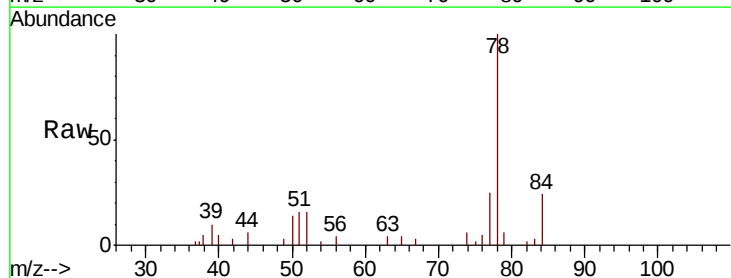


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

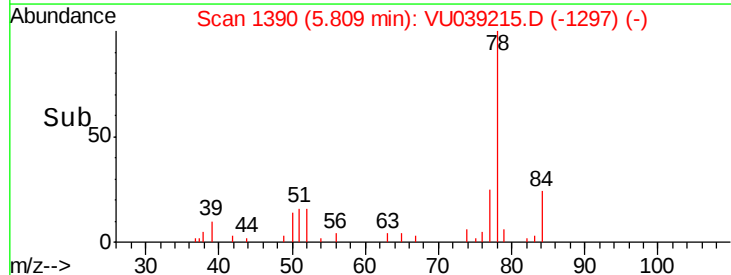
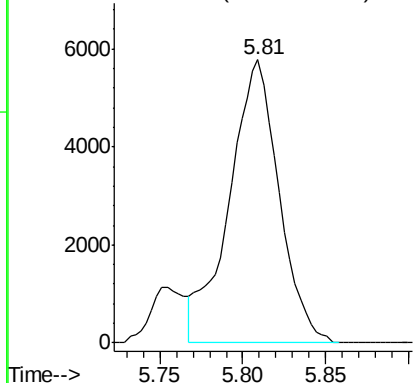


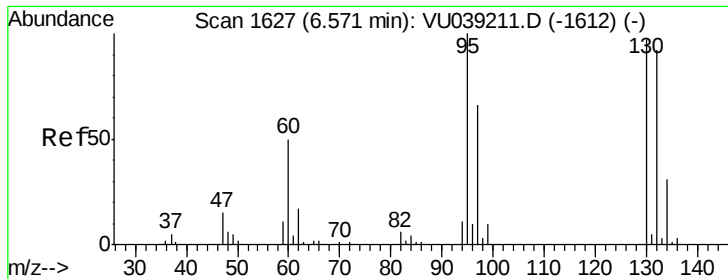
#33
 Benzene
 Concen: 0.175 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU039215.D
 Acq: 30 Jun 2020 03:15

Tgt Ion: 78 Resp: 12069



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.911 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU039215.D

Acq: 30 Jun 2020 03:15

Instrument :

MSVOA_U

ClientSampleId :

F9F77

Tot Ion: 95 Resp: 16097

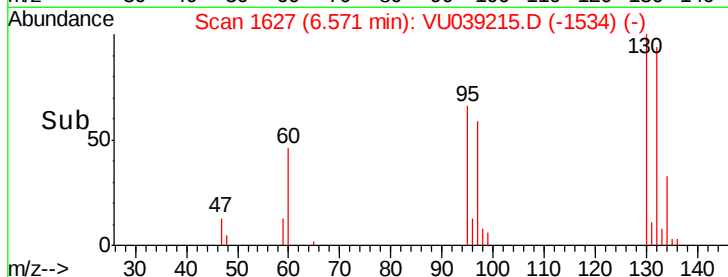
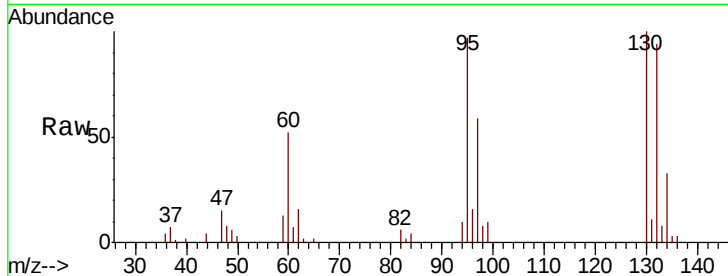
Ion Ratio Lower Upper

95 100

97 60.2 44.0 81.8

132 96.4 61.2 113.8

130 102.7 66.4 123.4

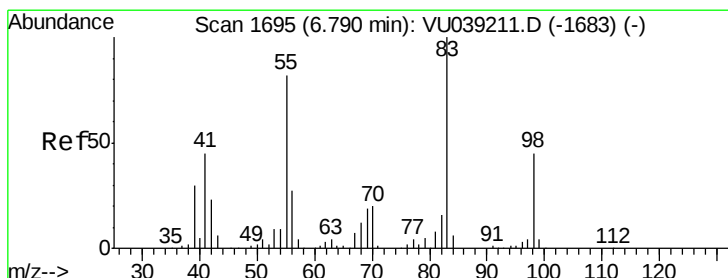
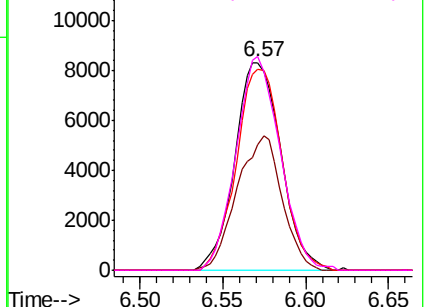


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.848 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039215.D

Acq: 30 Jun 2020 03:15

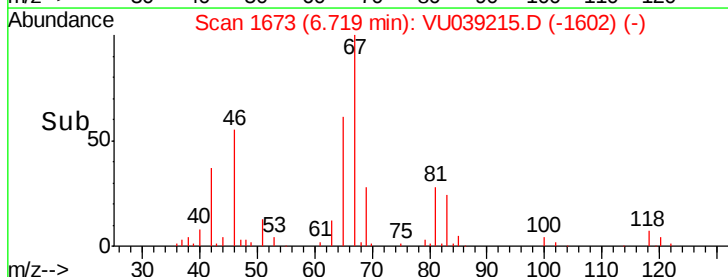
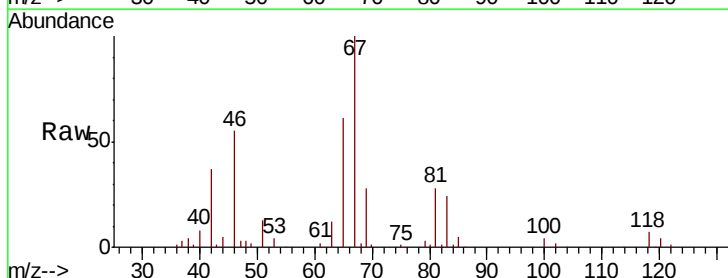
Tgt Ion: 83 Resp: 22332

Ion Ratio Lower Upper

83 100

55 0.4 65.5 98.3#

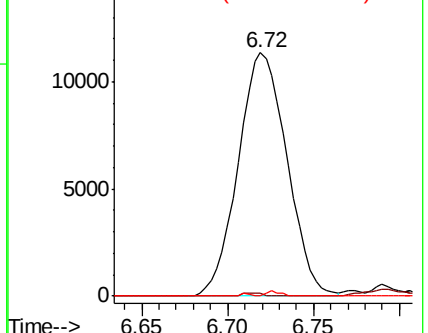
98 0.5 38.2 57.4#

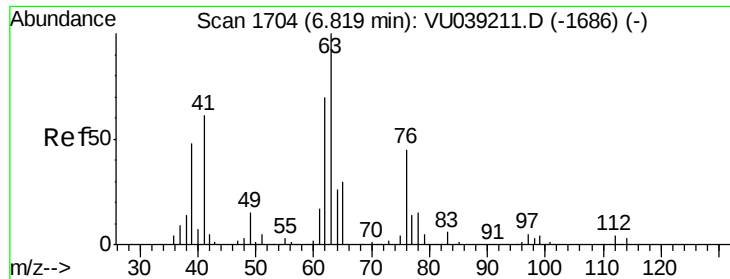


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

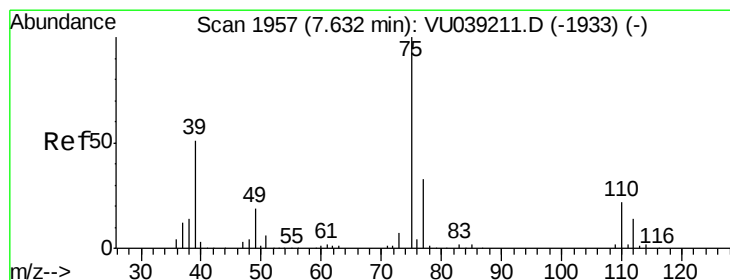
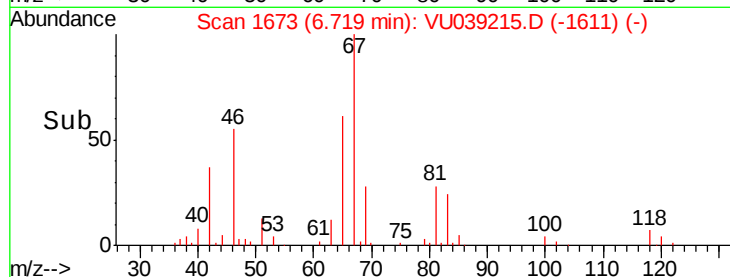
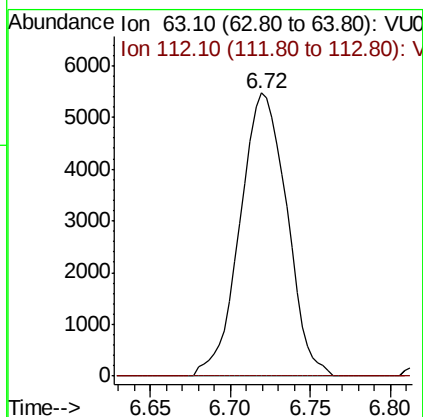
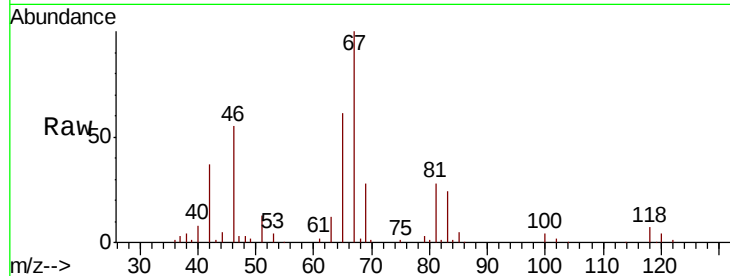




#37
 1,2-Dichloropropane
 Concen: 0.596 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039215.D
 Acq: 30 Jun 2020 03:15

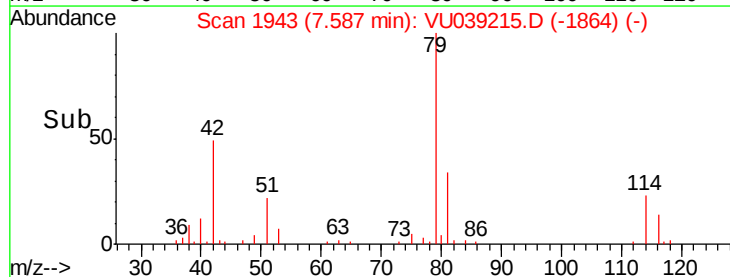
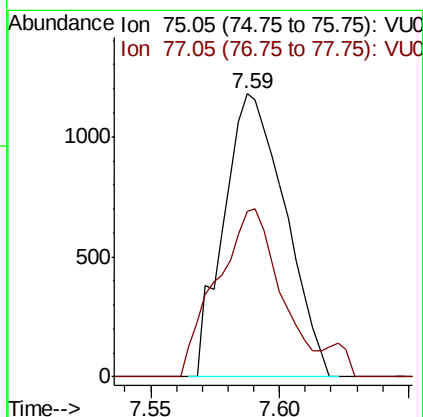
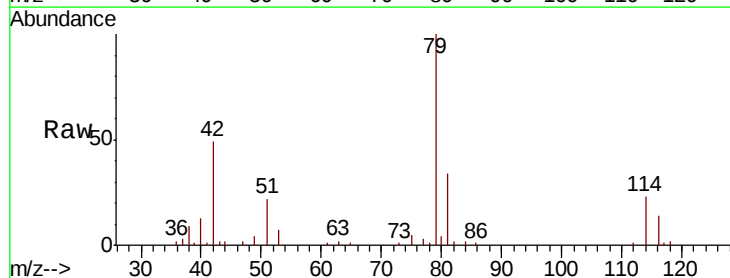
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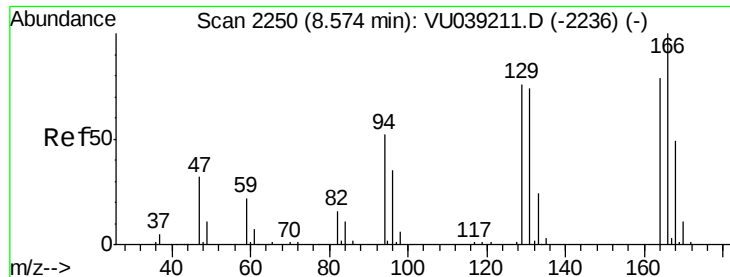
Tot Ion: 63 Resp: 10937
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU039215.D
 Acq: 30 Jun 2020 03:15

Tgt Ion: 75 Resp: 1951
 Ion Ratio Lower Upper
 75 100
 77 58.4 22.7 42.1#





#47

Tetrachloroethene

Concen: 0.323 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU039215.D

Acq: 30 Jun 2020 03:15

Instrument :

MSVOA_U

ClientSampleId :

F9F77

Tot Ion:164 Resp: 4103

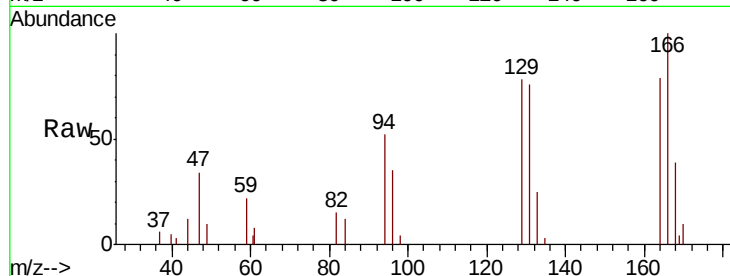
Ion Ratio Lower Upper

164 100

129 98.9 67.6 125.6

131 95.7 66.1 122.7

166 126.4 86.8 161.2

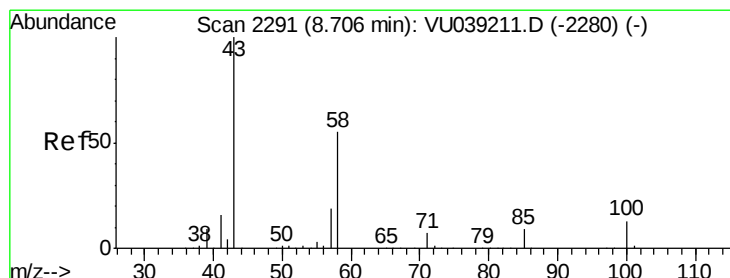
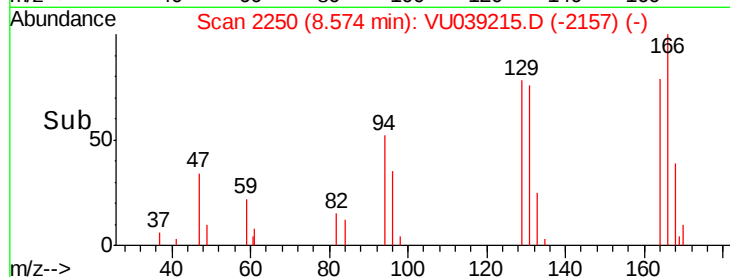
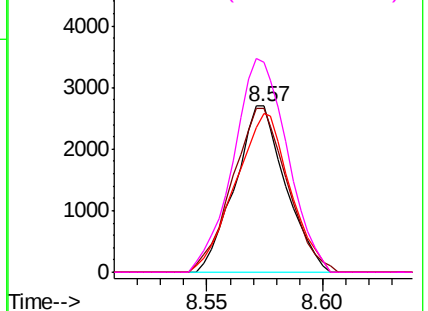


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.042 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU039215.D

Acq: 30 Jun 2020 03:15

Tgt Ion: 43 Resp: 20652

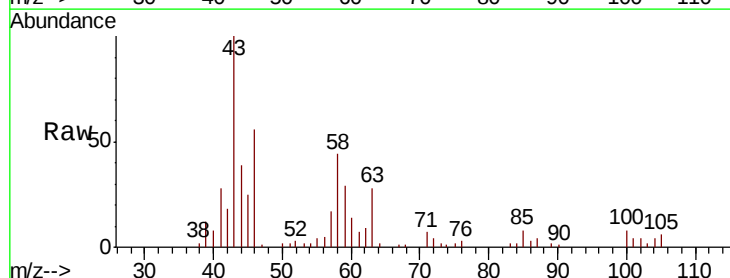
Ion Ratio Lower Upper

43 100

58 49.5 43.6 65.4

57 16.7 15.6 23.4

100 8.9 9.4 14.2#

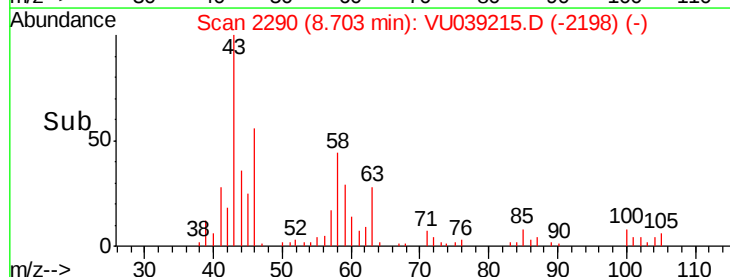
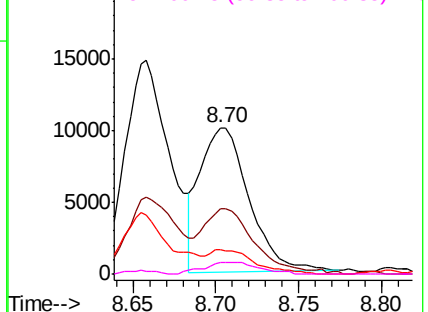


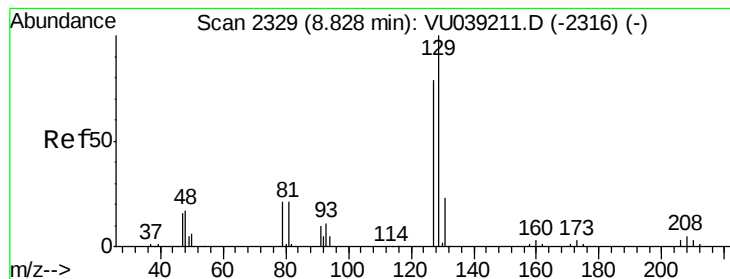
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.280 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.25 min

Lab File: VU039215.D

Acq: 30 Jun 2020 03:15

Instrument :

MSVOA_U

ClientSampleId :

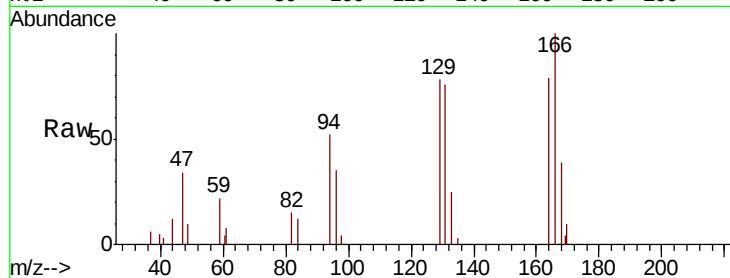
F9F77

Tot Ion:129 Resp: 4375

Ion Ratio Lower Upper

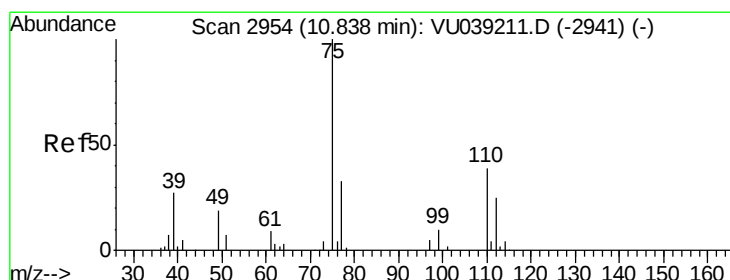
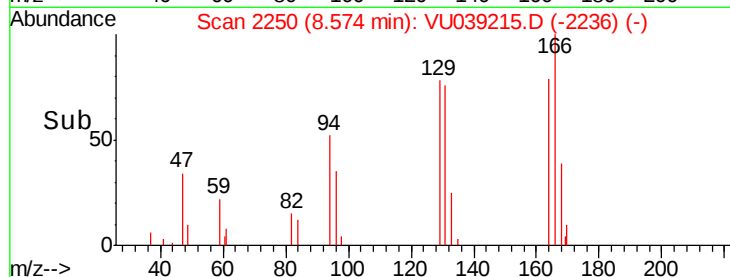
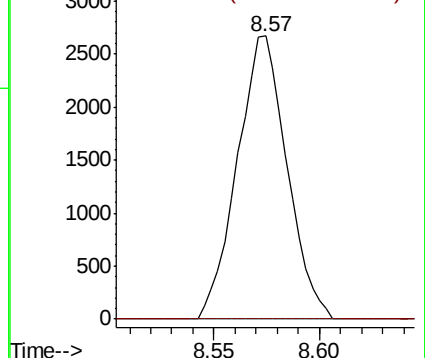
129 100

127 0.0 53.5 99.3#



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: 0.918 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039215.D

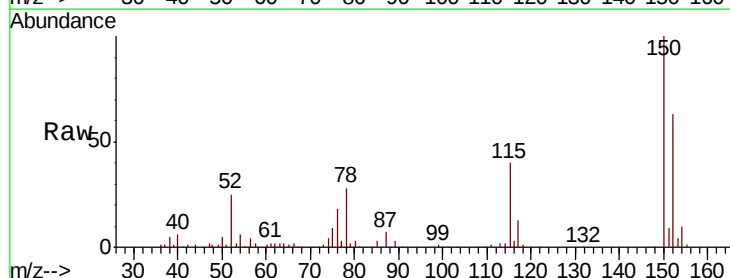
Acq: 30 Jun 2020 03:15

Tgt Ion: 75 Resp: 12671

Ion Ratio Lower Upper

75 100

77 37.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

