

Data File : VU035976.D
Acq On : 04 Dec 2019 17:25
Operator : JC/SP
Sample : K6132-02 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFQR0

Quant Time: Dec 05 03:59:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 05 03:54:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	306778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	324360	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	100833	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	141068	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	116673	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.59	63	154651	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.70	46	278238	44.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.86%
24) Chloroform-d	5.11	84	210853	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.75	65	114227	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.77	84	409196	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.73	67	135654	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.93	98	326883	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.00%
43) trans-1,3-Dichloropropene-	8.21	79	49748	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.68	63	200011	40.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.96%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	114821	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	99827	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

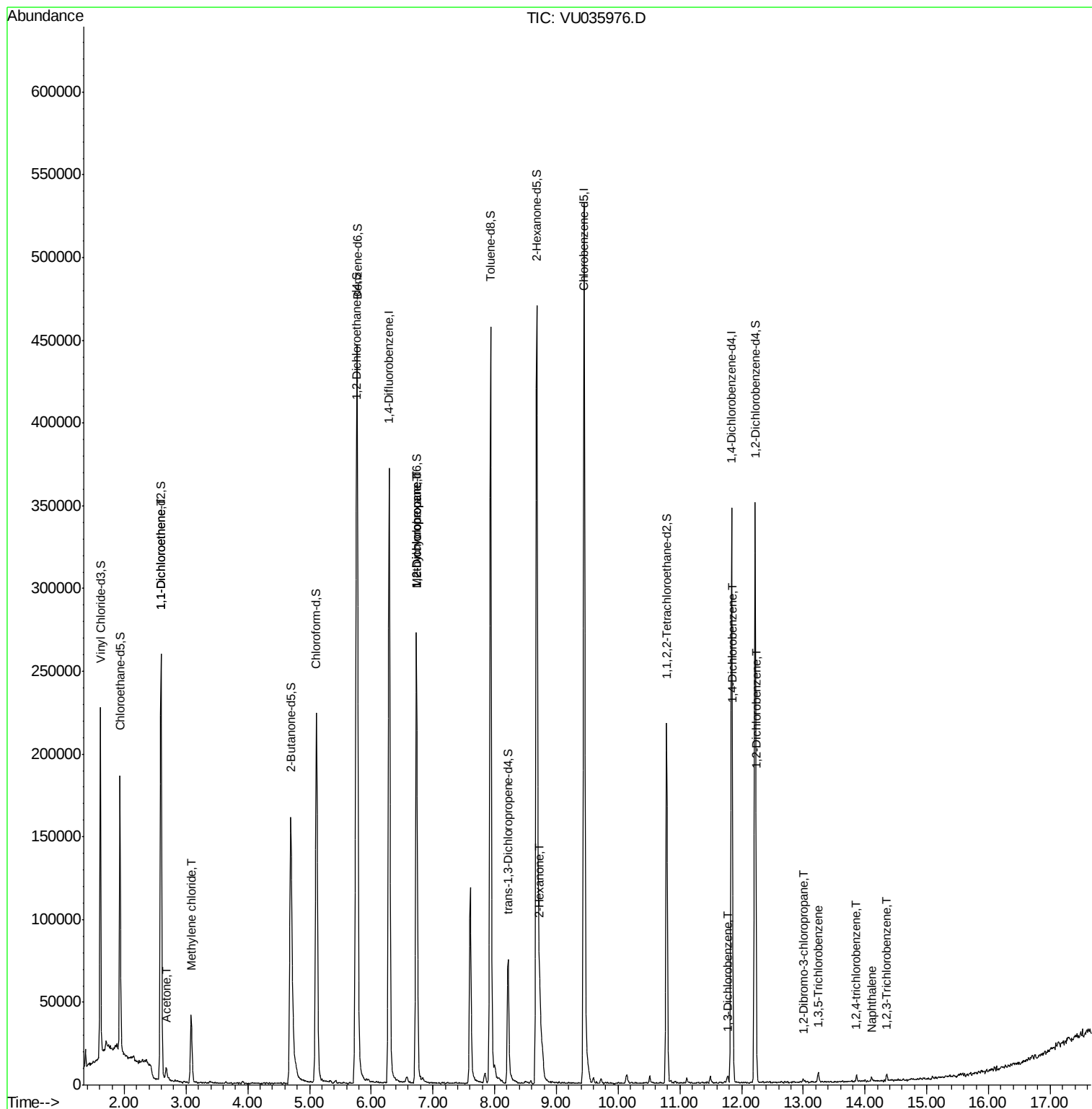
					Qvalue
12) 1,1-Dichloroethene	2.60	96	1739	0.079 ug/L #	1
13) Acetone	2.68	43	10574	1.889 ug/L	99
16) Methylene chloride	3.08	84	20379	0.598 ug/L	91
35) Methylcyclohexane	6.73	83	30484	0.788 ug/L #	17
37) 1,2-Dichloropropane	6.74	63	13808	0.500 ug/L #	88
48) 2-Hexanone	8.73	43	12555	1.047 ug/L #	76
62) 1,3-Dichlorobenzene	11.78	146	2119	0.063 ug/L	85
63) 1,4-Dichlorobenzene	11.86	146	3183	0.096 ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	2827	0.088 ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.01	75	460	0.184 ug/L #	38
67) 1,3,5-Trichlorobenzene	13.24	180	2117	0.092 ug/L #	89
68) 1,2,4-trichlorobenzene	13.85	180	1326	0.108 ug/L #	88
69) Naphthalene	14.11	128	2272	0.163 ug/L #	87
70) 1,2,3-Trichlorobenzene	14.35	180	1491	0.123 ug/L	93

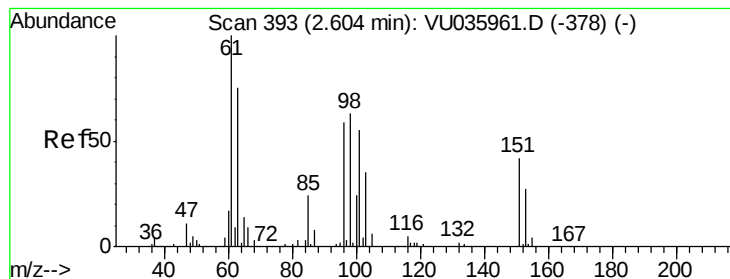
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

BFQR0

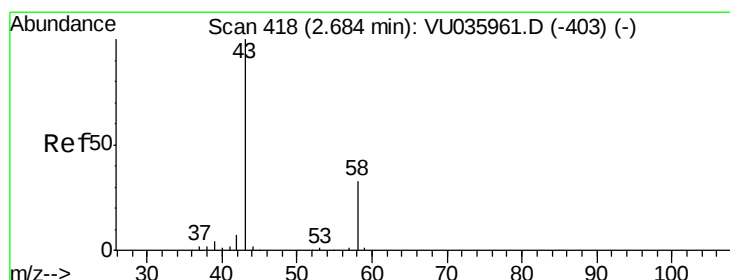
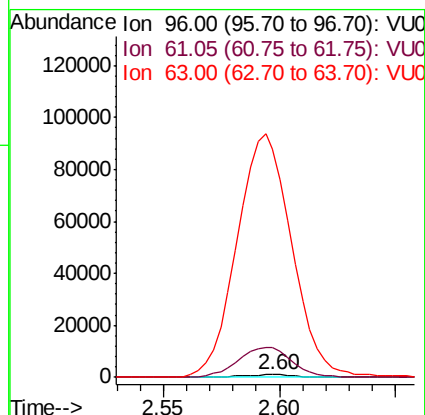
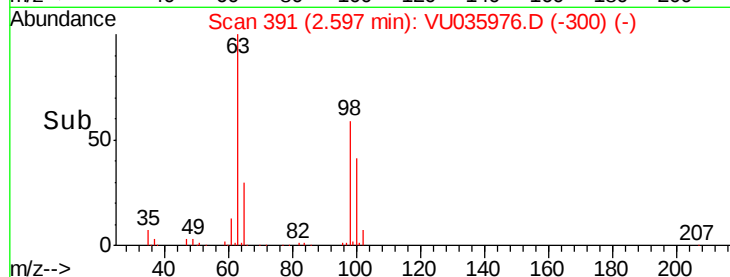
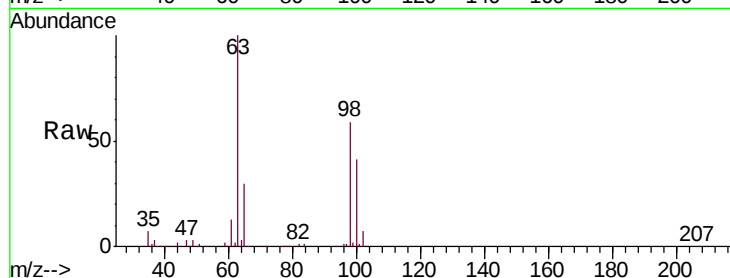
Tgt Ion: 96 Resp: 1739

Ion Ratio Lower Upper

96 100

61 1038.2 127.1 236.1#

63 8042.5 86.0 159.8#



#13

Acetone

Concen: 1.889 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU035976.D

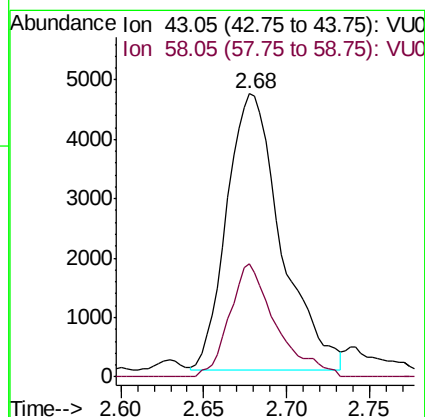
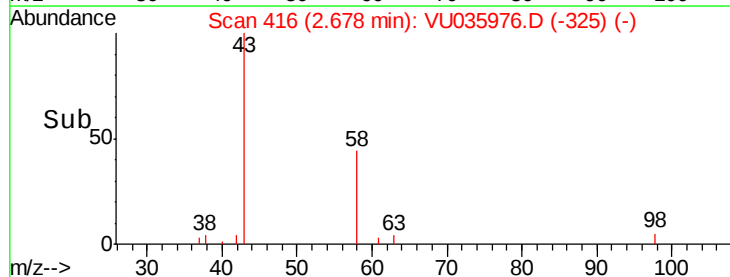
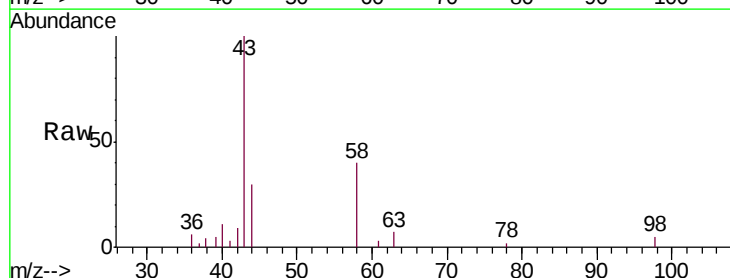
Acq: 04 Dec 2019 17:25

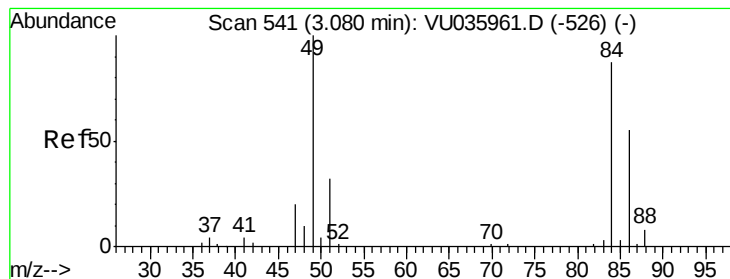
Tgt Ion: 43 Resp: 10574

Ion Ratio Lower Upper

43 100

58 35.1 0.0 68.6





#16

Methylene chloride

Concen: 0.598 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

BFQR0

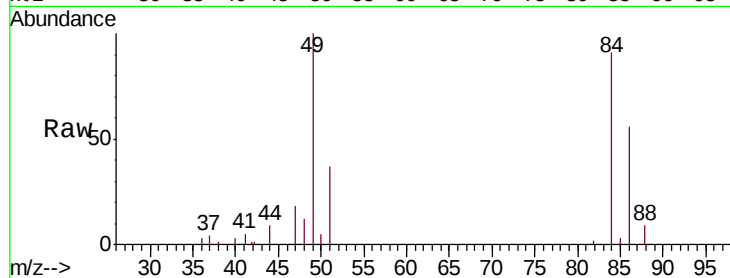
Tgt Ion: 84 Resp: 20379

Ion Ratio Lower Upper

84 100

86 61.5 44.7 82.9

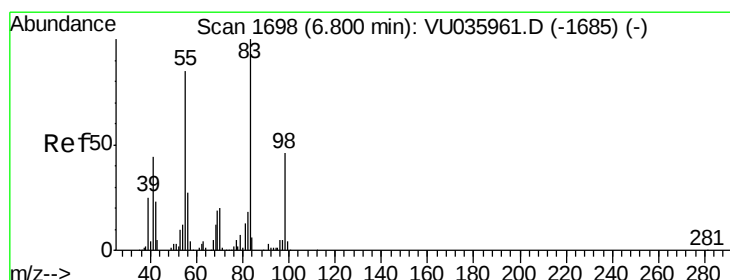
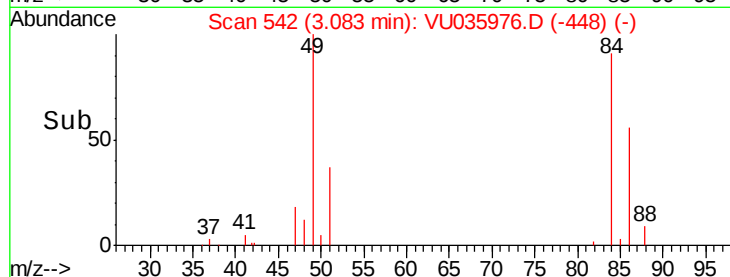
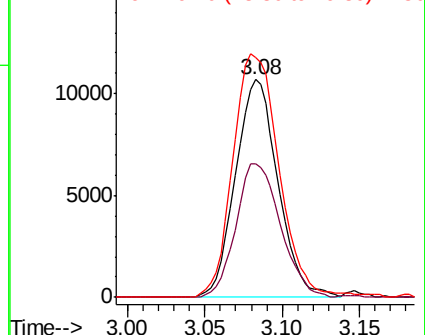
49 110.2 86.2 160.2



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#35

Methylcyclohexane

Concen: 0.788 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

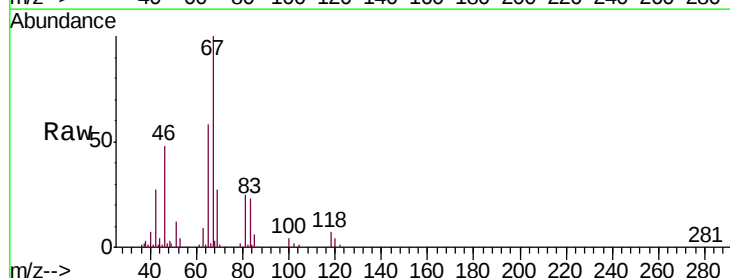
Tgt Ion: 83 Resp: 30484

Ion Ratio Lower Upper

83 100

55 0.3 67.4 101.0#

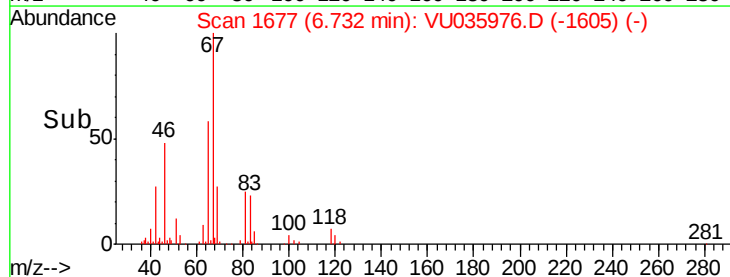
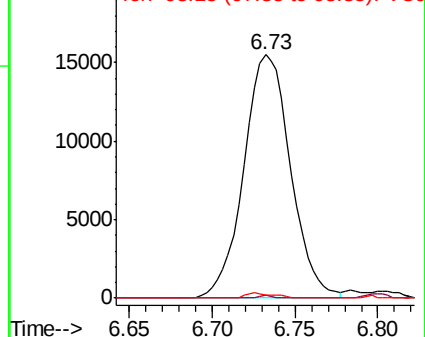
98 1.4 34.6 52.0#

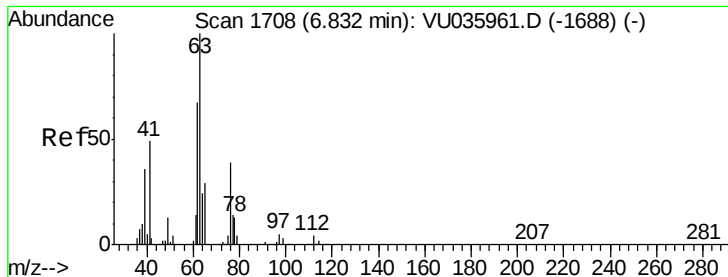


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

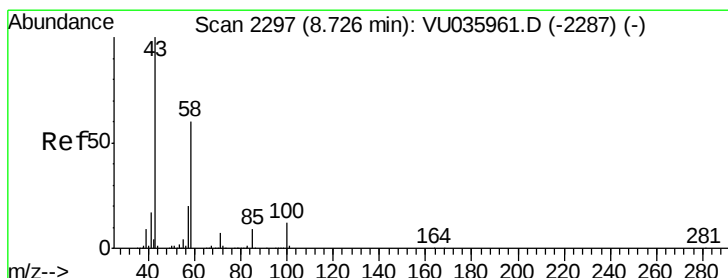
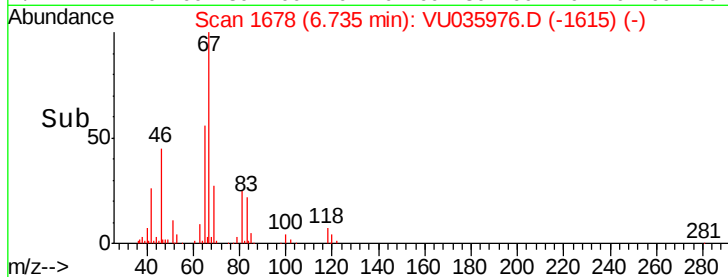
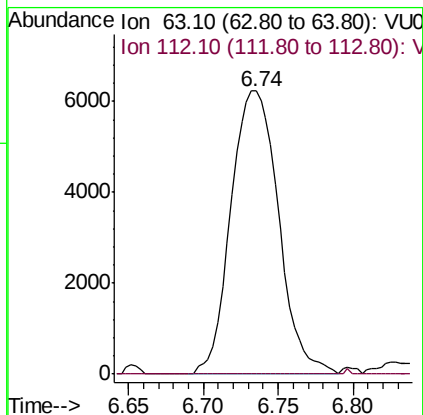
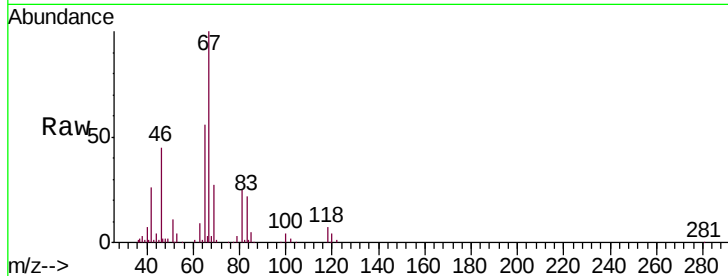




#37
 1,2-Dichloropropane
 Concen: 0.500 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035976.D
 Acq: 04 Dec 2019 17:25

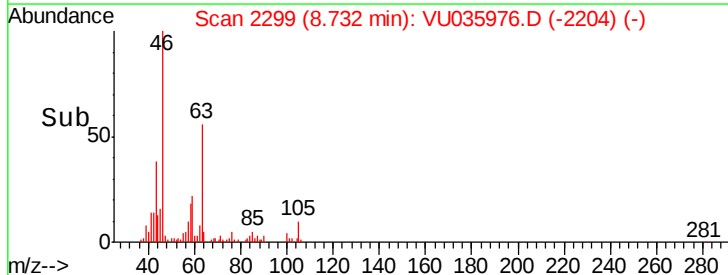
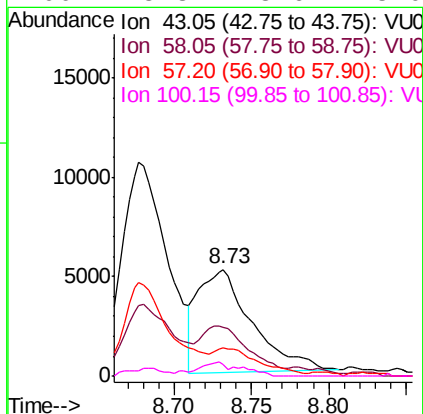
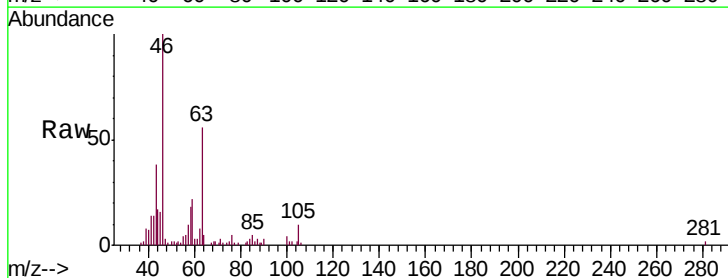
Instrument :
 MSVOA_U
 ClientSampleId :
 BFQR0

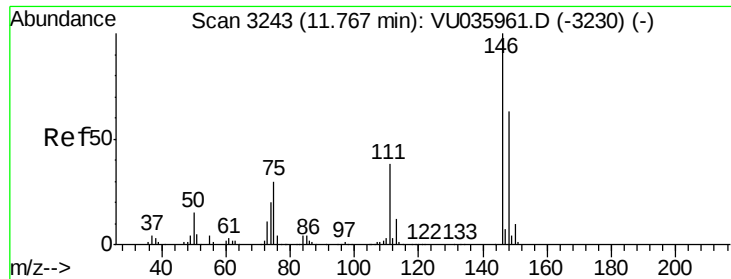
Tgt Ion: 63 Resp: 13808
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.3 4.9#



#48
 2-Hexanone
 Concen: 1.047 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. 0.01 min
 Lab File: VU035976.D
 Acq: 04 Dec 2019 17:25

Tgt Ion: 43 Resp: 12555
 Ion Ratio Lower Upper
 43 100
 58 34.9 45.4 68.2#
 57 22.9 14.9 22.3#
 100 5.3 8.6 13.0#





#62

1,3-Dichlorobenzene

Concen: 0.063 ug/L

RT: 11.78 min Scan# 3246

Delta R.T. 0.01 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

BFQR0

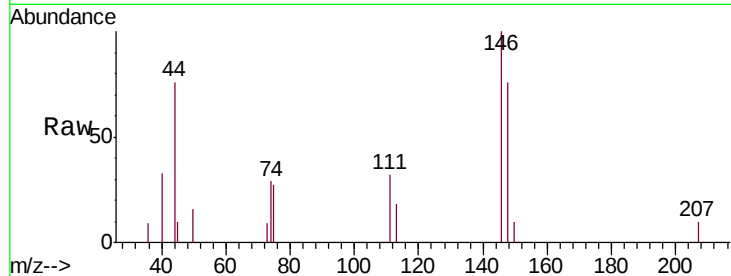
Tgt Ion:146 Resp: 2119

Ion Ratio Lower Upper

146 100

111 32.5 27.6 51.4

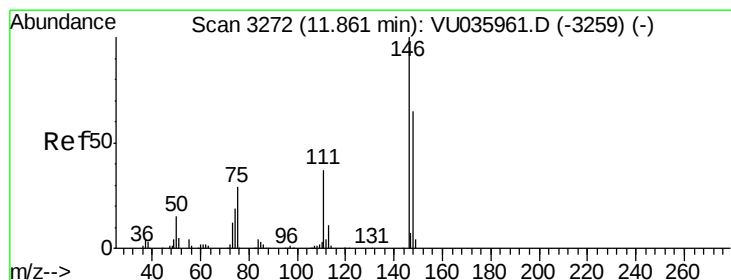
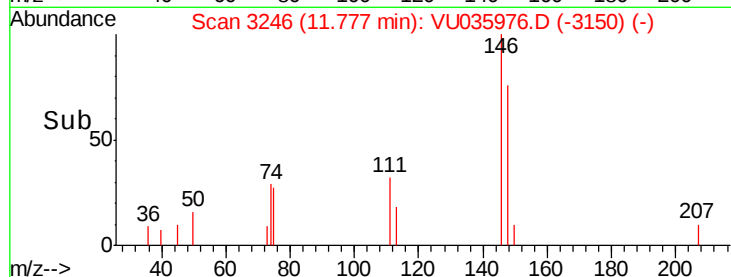
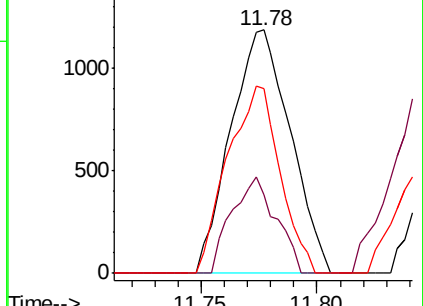
148 75.8 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.096 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

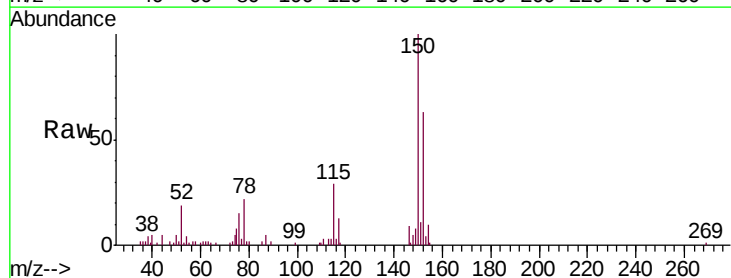
Tgt Ion:146 Resp: 3183

Ion Ratio Lower Upper

146 100

111 37.9 28.5 52.9

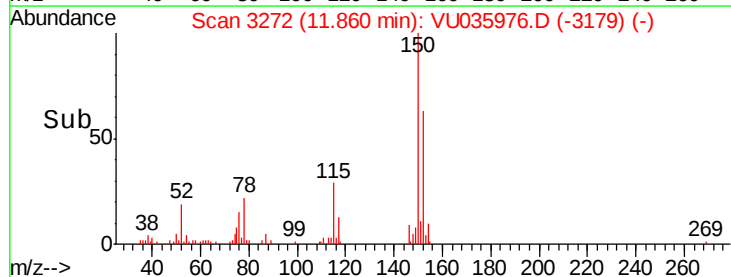
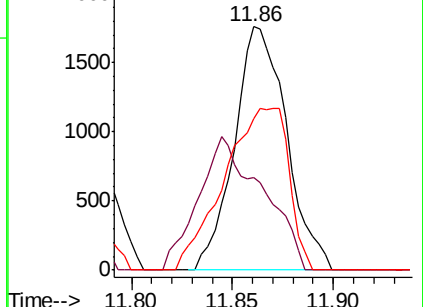
148 62.0 44.4 82.5

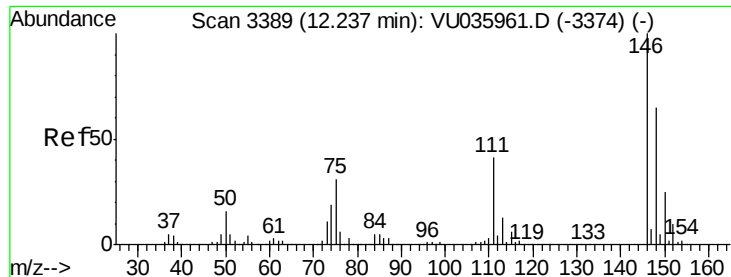


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.088 ug/L

RT: 12.24 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

BFQR0

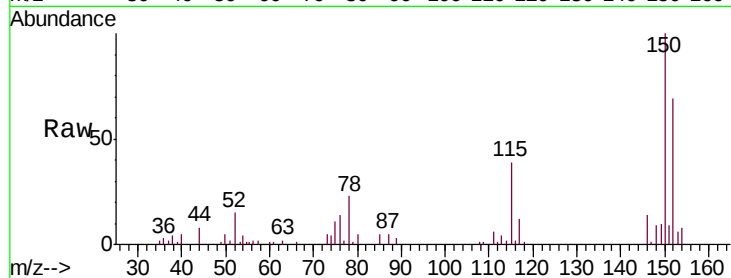
Tgt Ion: 146 Resp: 2827

Ion Ratio Lower Upper

146 100

111 44.7 32.6 48.8

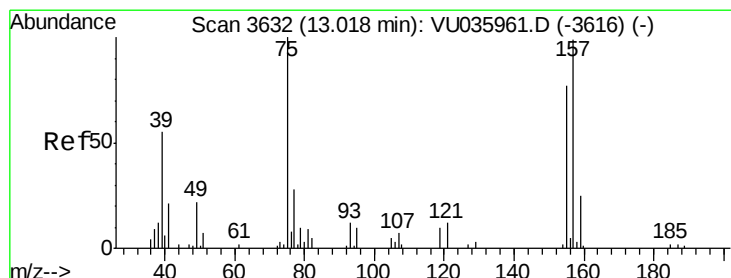
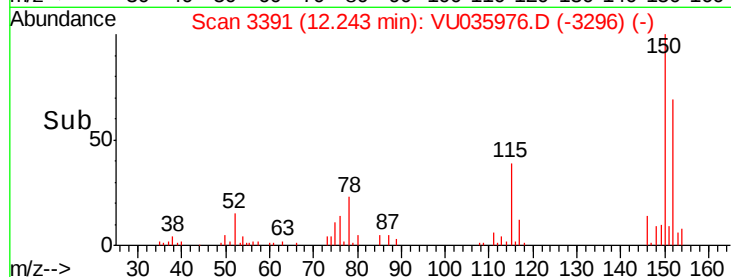
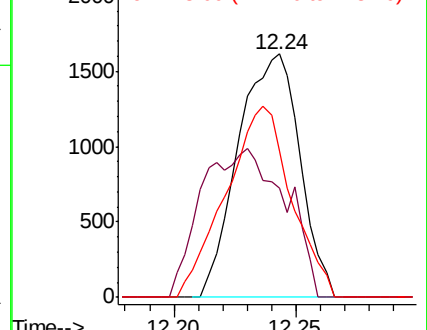
148 59.9 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.184 ug/L

RT: 13.01 min Scan# 3628

Delta R.T. -0.01 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

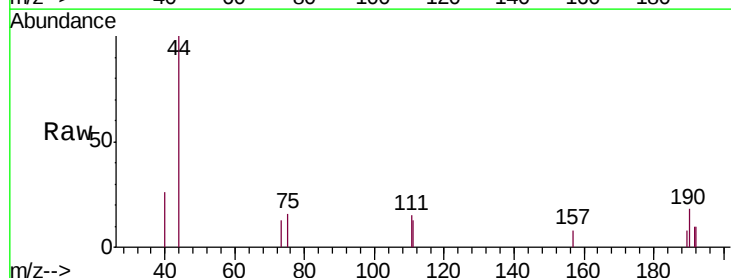
Tgt Ion: 75 Resp: 460

Ion Ratio Lower Upper

75 100

155 0.0 55.1 82.7#

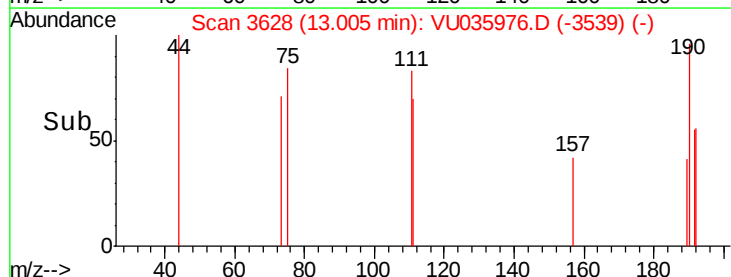
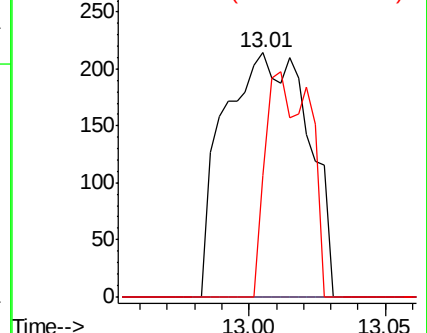
157 49.5 74.0 111.0#

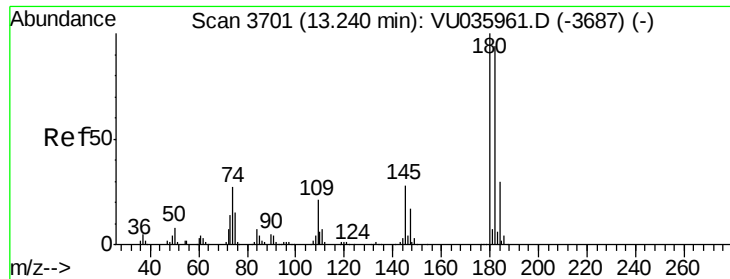


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

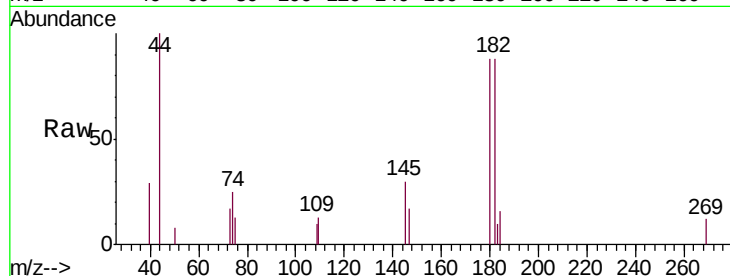




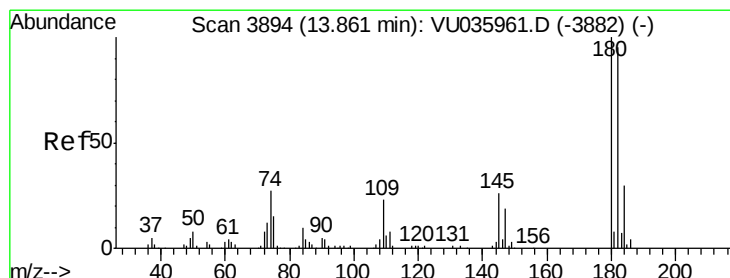
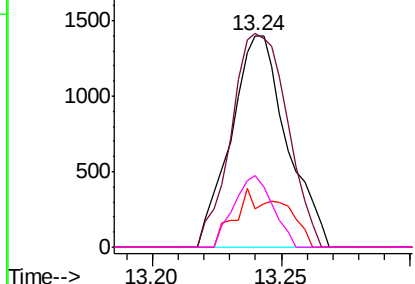
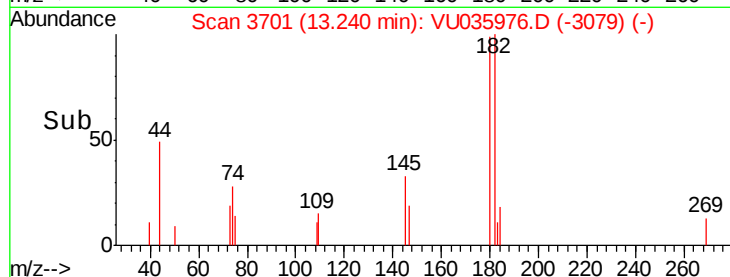
#67
 1,3,5-Trichlorobenzene
 Concen: 0.092 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035976.D
 Acq: 04 Dec 2019 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQR0

Tgt Ion:180 Resp: 2117
 Ion Ratio Lower Upper
 180 100
 182 101.2 77.2 115.8
 184 13.2 24.5 36.7#
 145 23.6 23.0 34.6

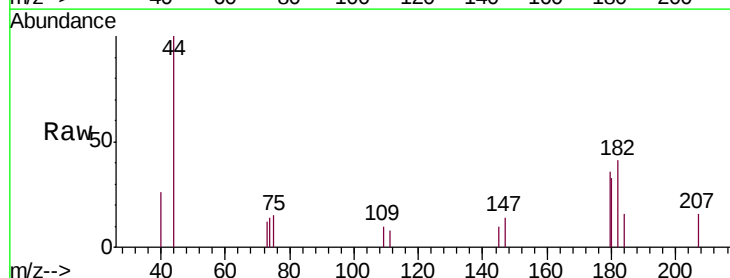


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

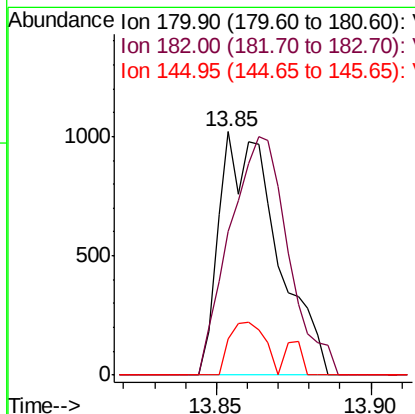
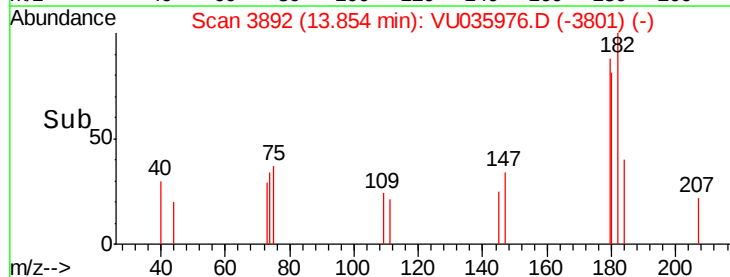


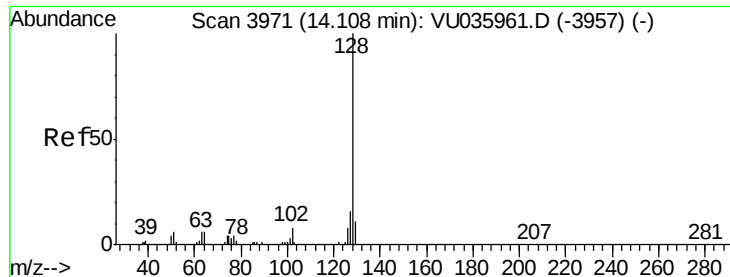
#68
 1,2,4-trichlorobenzene
 Concen: 0.108 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.01 min
 Lab File: VU035976.D
 Acq: 04 Dec 2019 17:25

Tgt Ion:180 Resp: 1326
 Ion Ratio Lower Upper
 180 100
 182 99.5 74.5 111.7
 145 13.3 23.4 35.0#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.163 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

BFQR0

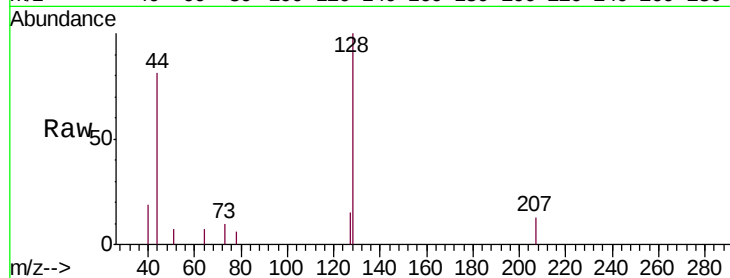
Tgt Ion:128 Resp: 2272

Ion Ratio Lower Upper

128 100

129 0.0 8.4 12.6#

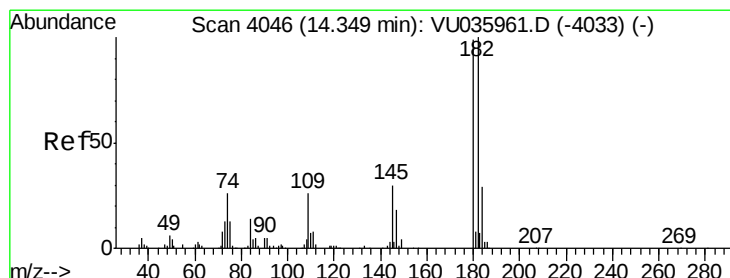
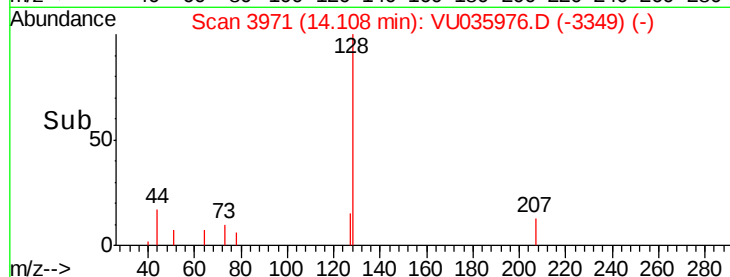
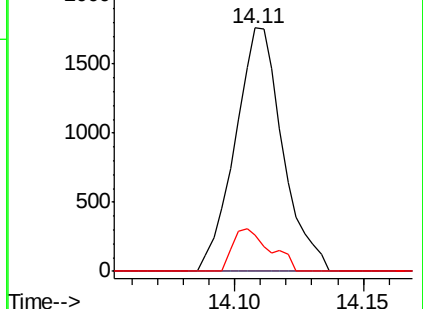
127 13.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.123 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035976.D

Acq: 04 Dec 2019 17:25

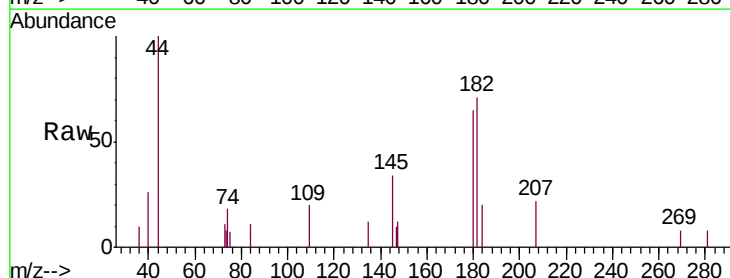
Tgt Ion:180 Resp: 1491

Ion Ratio Lower Upper

180 100

182 99.6 74.6 112.0

145 34.5 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

