

Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GALD5

Quant Time: May 31 04:39:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	816161	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	868913	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	497247	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	208206	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.22%
7) Chloroethane-d5	1.64	69	137839	28.37	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	56.74%#
11) 1,1-Dichloroethene-d2	2.23	63	318622	29.81	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.62%#
21) 2-Butanone-d5	4.20	46	379968	95.97	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.97%
24) Chloroform-d	4.64	84	445625	42.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.64%
26) 1,2-Dichloroethane-d4	5.30	65	285097	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.50%
32) Benzene-d6	5.33	84	962341	42.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.44%
36) 1,2-Dichloropropane-d6	6.32	67	299478	42.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.66%
41) Toluene-d8	7.56	98	1051734	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%
43) trans-1,3-Dichloropropene-	7.85	79	174661	53.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.84%
47) 2-Hexanone-d5	8.33	63	378438	127.50	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.50%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	915266	84.67	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	169.34%#
64) 1,2-Dichlorobenzene-d4	11.86	152	559894	55.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.44%

Target Compounds

					Qvalue
13) Acetone	2.34	43	2098	0.562	ug/L 93
15) Methyl Acetate	2.63	43	32436	5.440	ug/L 97
29) Cyclohexane	4.97	56	35445	3.994	ug/L # 53
35) Methylcyclohexane	6.40	83	727132	76.177	ug/L 91
38) Bromodichloromethane	6.73	83	29509	3.615	ug/L # 40
40) 4-Methyl-2-pentanone	7.52	43	419254	50.609	ug/L # 50
42) Toluene	7.64	91	31792	1.201	ug/L 91
44) trans-1,3-Dichloropropene	7.85	75	7695	0.936	ug/L # 1
45) 1,1,2-Trichloroethane	8.04	97	1836245	295.693	ug/L # 20
48) 2-Hexanone	8.33	43	7578067	1121.305	ug/L # 21
49) Dibromochloromethane	8.45	129	10827	1.610	ug/L 94
50) 1,2-Dibromoethane	8.56	107	10957	1.673	ug/L # 1
52) Ethylbenzene	9.25	91	5129346	181.493	ug/L 100
53) m,p-Xylene	9.38	106	10517668	967.253	ug/L 62
54) o-xylene	9.78	106	3166953	290.186	ug/L 100
55) Styrene	9.78	104	174267	9.518	ug/L # 1
56) Isopropylbenzene	10.17	105	3559615	128.538	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Quantitation Report (Not Reviewed)

Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GALD5

Quant Time: May 31 04:39:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration

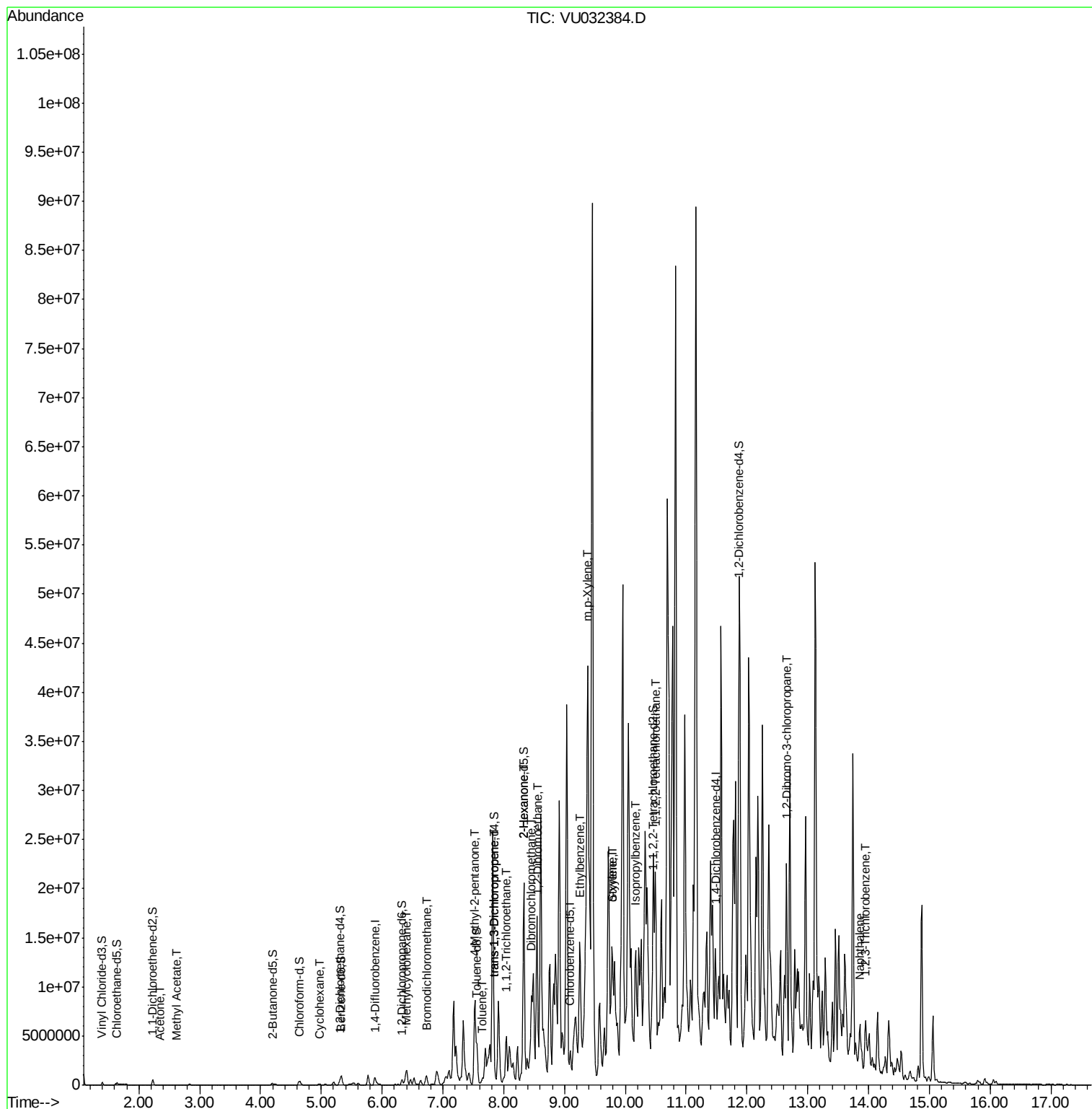
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 1,1,2,2-Tetrachloroethane	10.49	83	1922099	179.253	ug/L #	36
66) 1,2-Dibromo-3-chloropropan	12.65	75	70085	26.673	ug/L #	6
69) Naphthalene	13.85	128	19904	0.761	ug/L #	1
70) 1,2,3-Trichlorobenzene	13.95	180	7263	0.769	ug/L #	1

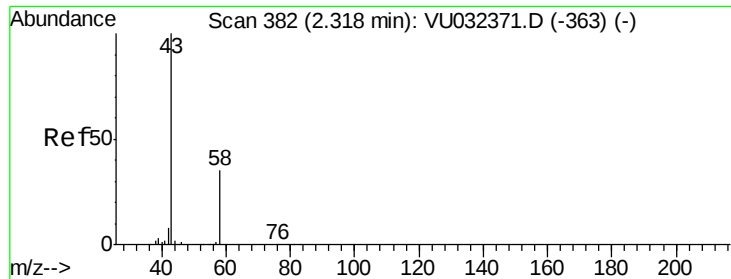
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU032384.D
Acq On : 30 May 2019 16:13
Operator : JC/SP
Sample : K3081-05
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GALD5

Quant Time: May 31 04:39:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration





#13

Acetone

Concen: 0.562 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.03 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

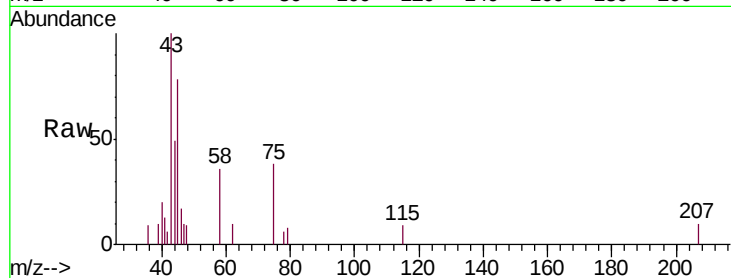
GALD5

Tgt Ion: 43 Resp: 2098

Ion Ratio Lower Upper

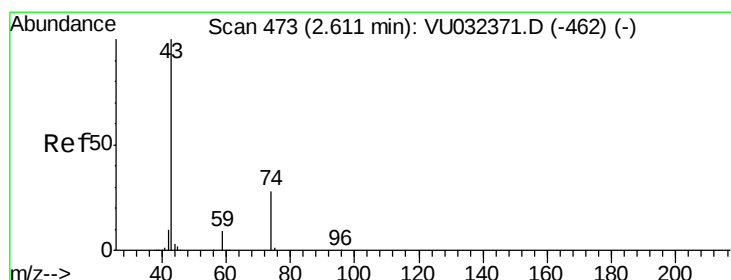
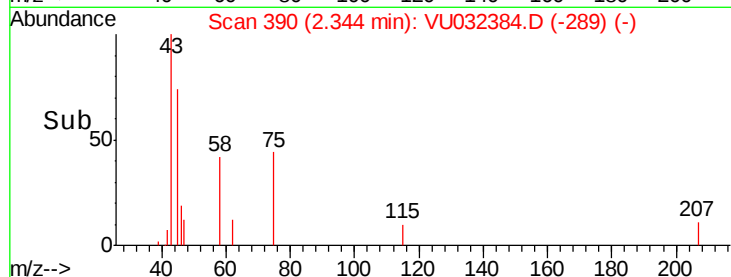
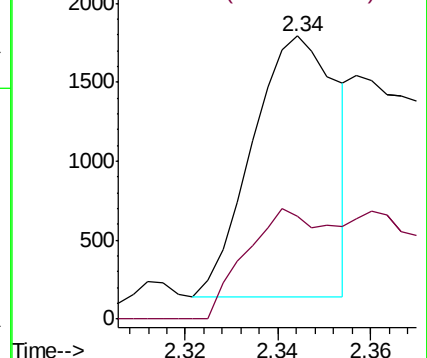
43 100

58 32.8 0.0 73.6



Abundance Ion 43.00 (42.70 to 43.70): VU032384.D (-390) (-)

Ion 58.00 (57.70 to 58.70): VU032384.D (-390) (-)



#15

Methyl Acetate

Concen: 5.440 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.02 min

Lab File: VU032384.D

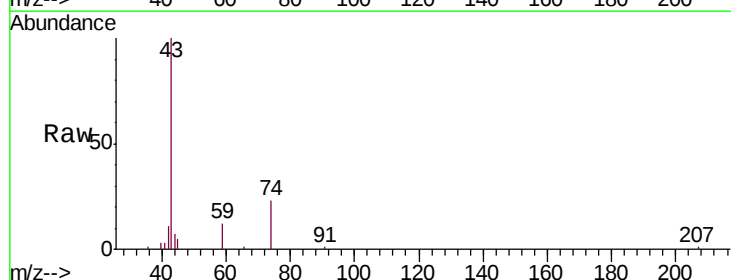
Acq: 30 May 2019 16:13

Tgt Ion: 43 Resp: 32436

Ion Ratio Lower Upper

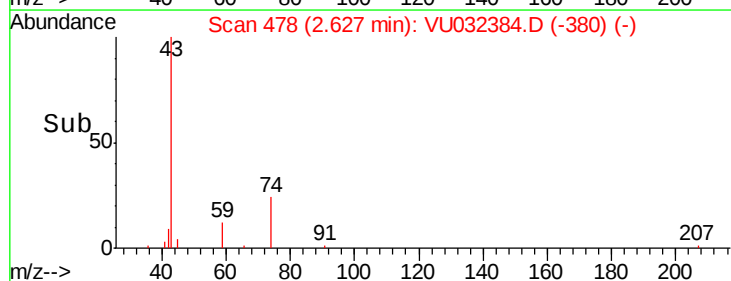
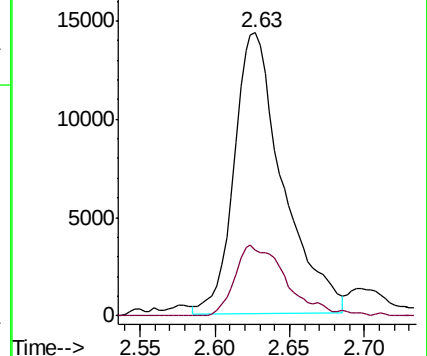
43 100

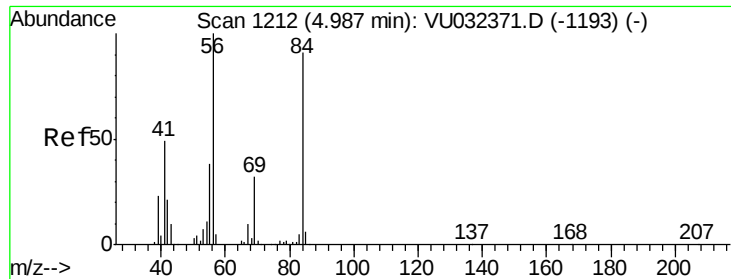
74 24.8 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VU032384.D (-478) (-)

Ion 74.00 (73.70 to 74.70): VU032384.D (-478) (-)

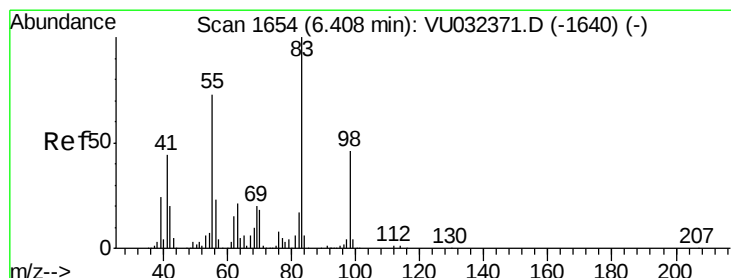
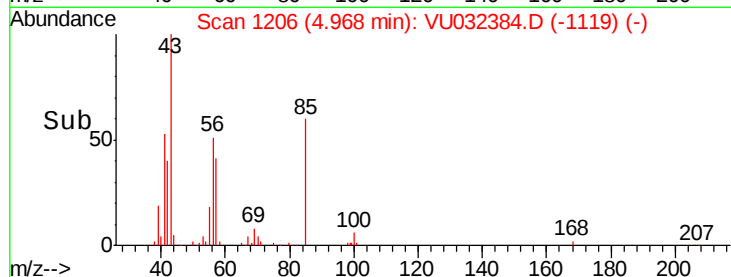
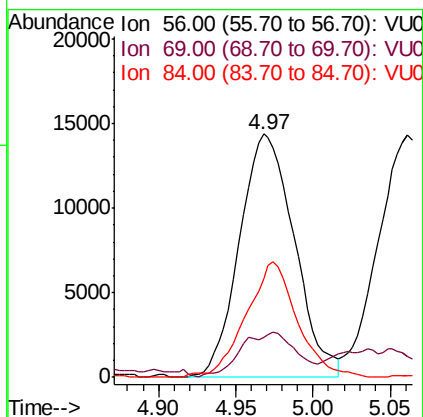
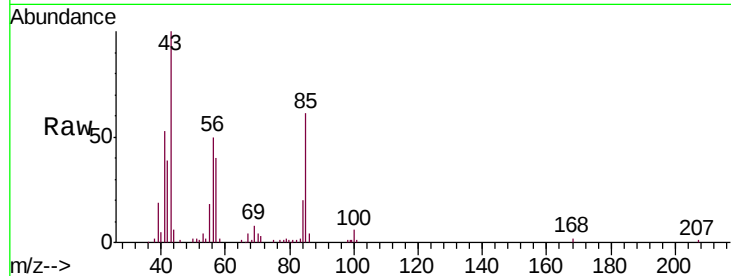




#29
Cyclohexane
Concen: 3.994 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.02 min
Lab File: VU032384.D
Acq: 30 May 2019 16:13

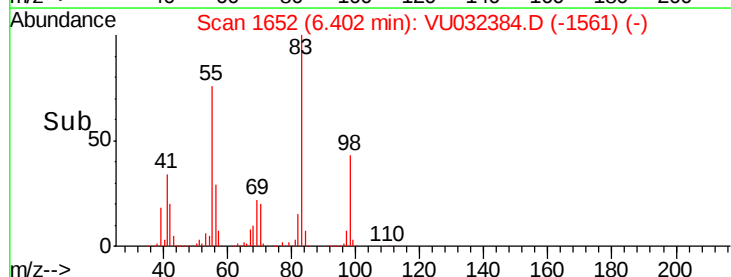
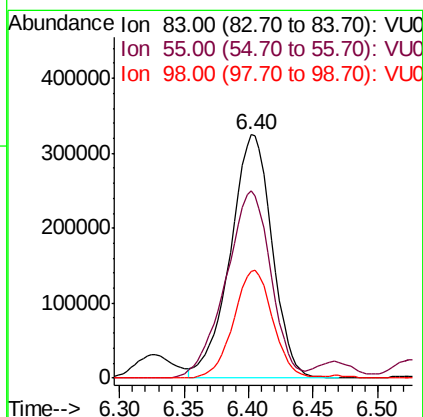
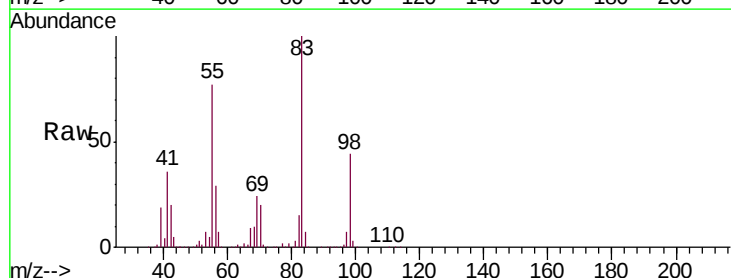
Instrument :
MSVOA_U
ClientSampleId :
GALD5

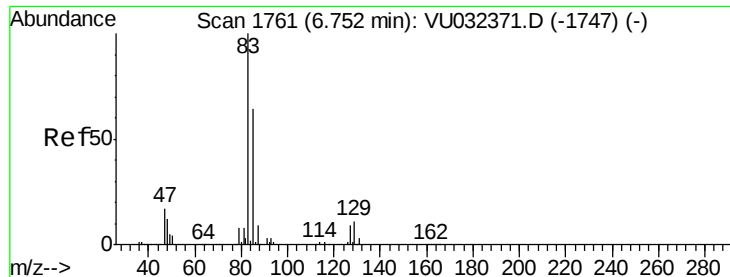
Tgt Ion: 56 Resp: 35445
Ion Ratio Lower Upper
56 100
69 7.4 25.6 38.4#
84 44.1 71.4 107.2#



#35
Methylcyclohexane
Concen: 76.177 ug/L
RT: 6.40 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VU032384.D
Acq: 30 May 2019 16:13

Tgt Ion: 83 Resp: 727132
Ion Ratio Lower Upper
83 100
55 83.0 59.4 89.0
98 41.8 37.1 55.7





#38

Bromodichloromethane

Concen: 3.615 ug/L

RT: 6.73 min Scan# 1754

Delta R.T. -0.02 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

Instrument :

MSVOA_U

ClientSampled :

GALD5

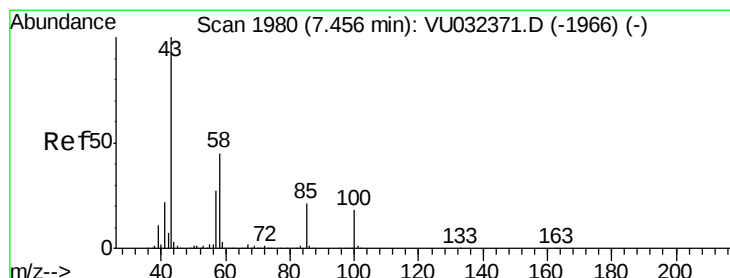
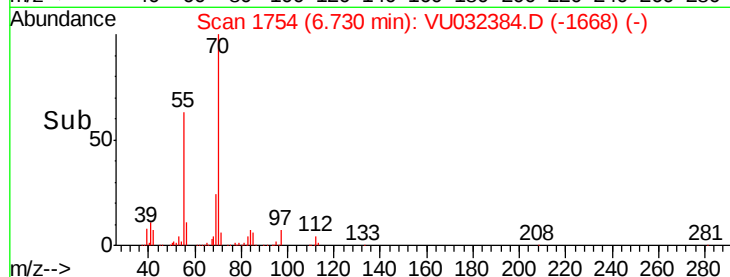
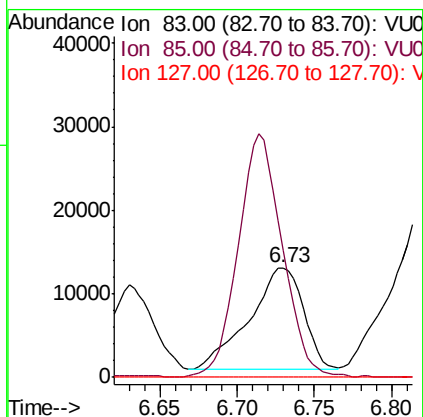
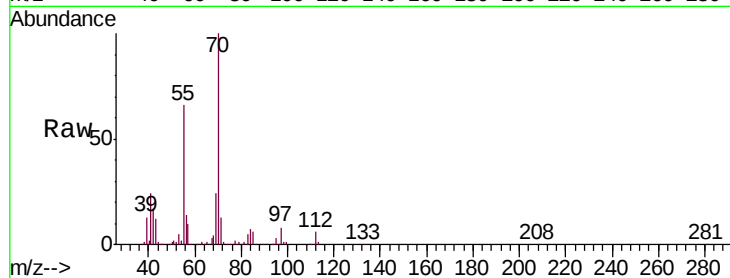
Tgt Ion: 83 Resp: 29509

Ion Ratio Lower Upper

83 100

85 116.0 45.4 84.2#

127 0.0 6.4 9.6#



#40

4-Methyl-2-pentanone

Concen: 50.609 ug/L

RT: 7.52 min Scan# 2000

Delta R.T. 0.06 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

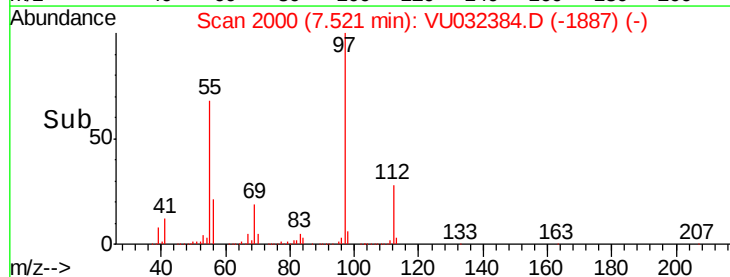
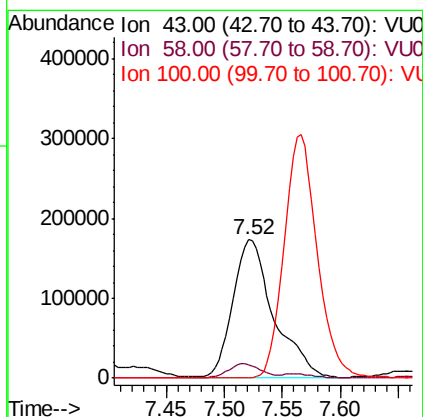
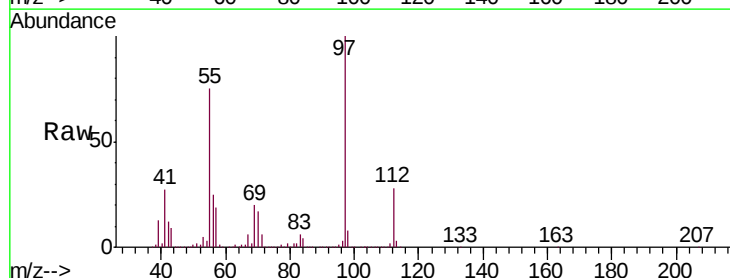
Tgt Ion: 43 Resp: 419254

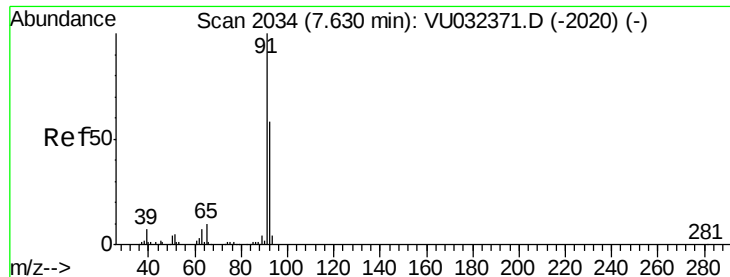
Ion Ratio Lower Upper

43 100

58 8.3 34.6 52.0#

100 0.0 14.1 21.1#





#42

Toluene

Concen: 1.201 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

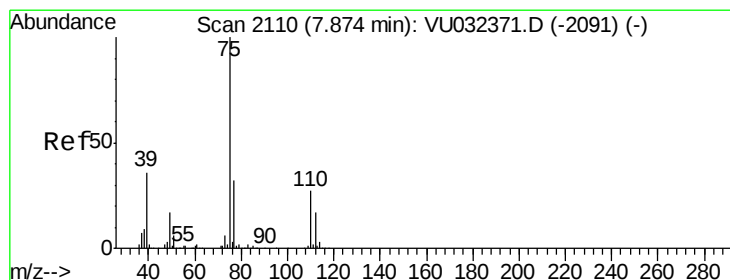
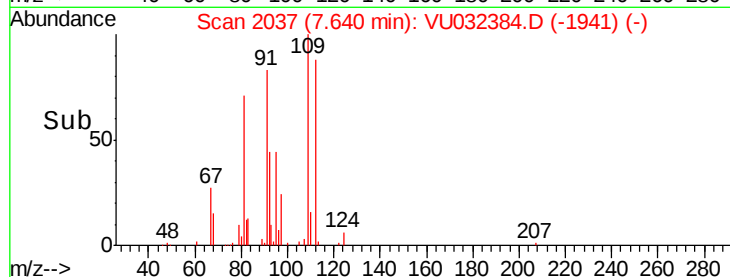
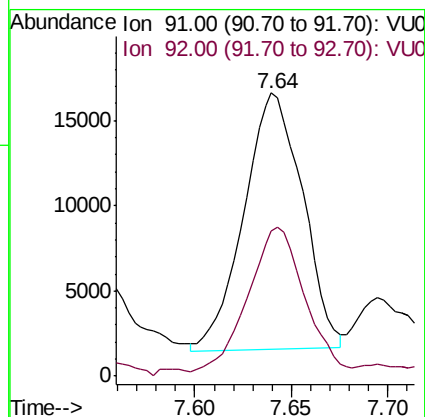
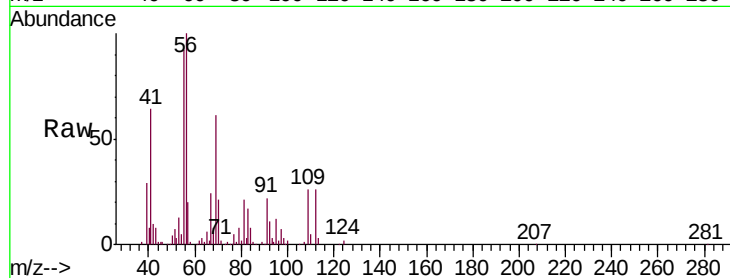
GALD5

Tgt Ion: 91 Resp: 31792

Ion Ratio Lower Upper

91 100

92 51.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.936 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032384.D

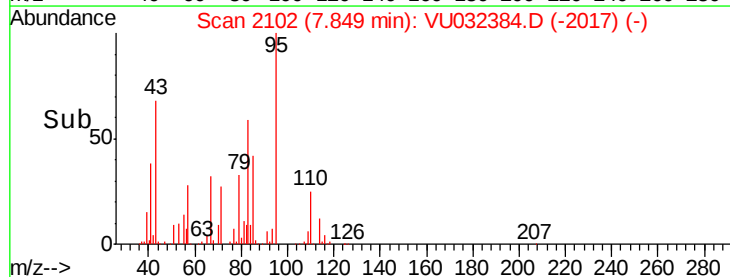
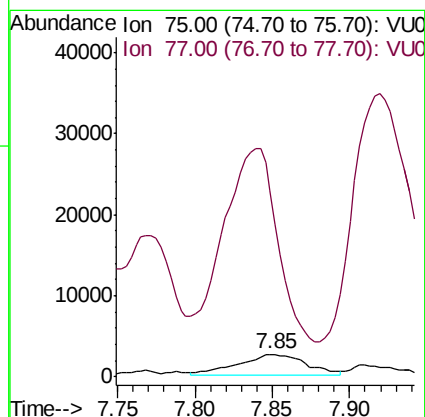
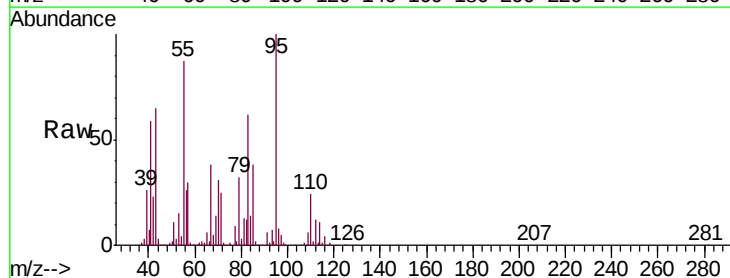
Acq: 30 May 2019 16:13

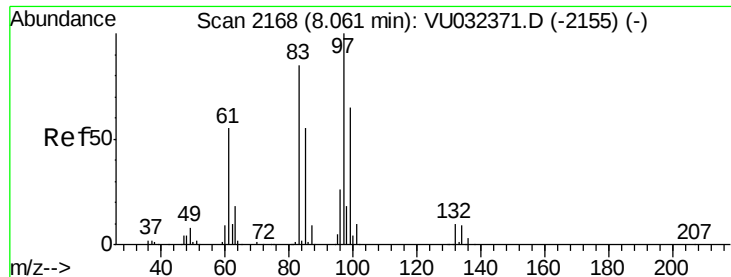
Tgt Ion: 75 Resp: 7695

Ion Ratio Lower Upper

75 100

77 822.6 23.0 42.6#

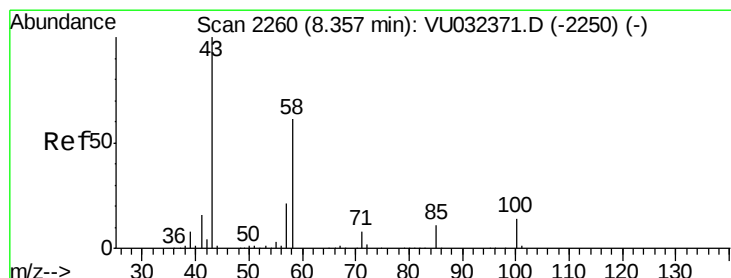
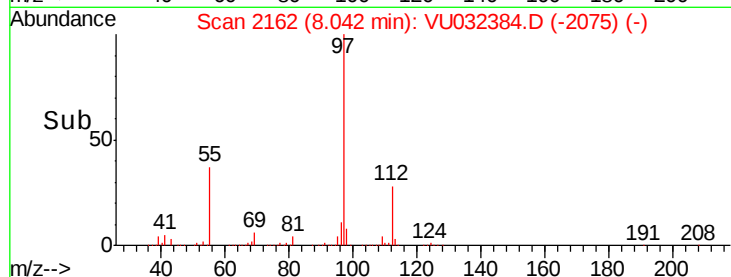
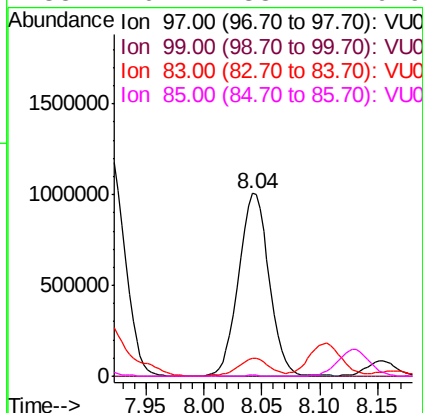
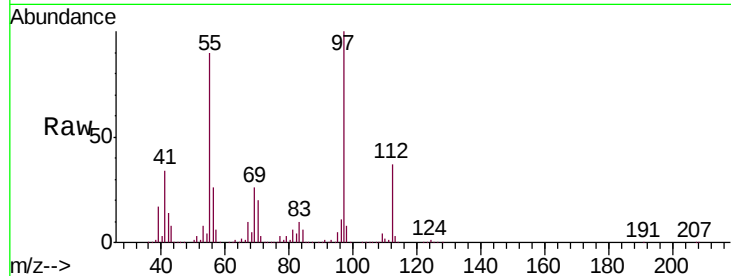




#45
 1,1,2-Trichloroethane
 Concen: 295.693 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: VU032384.D
 Acq: 30 May 2019 16:13

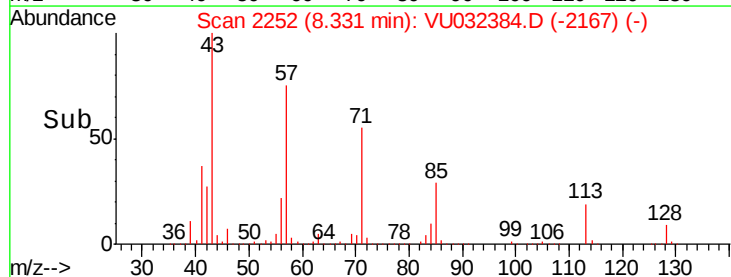
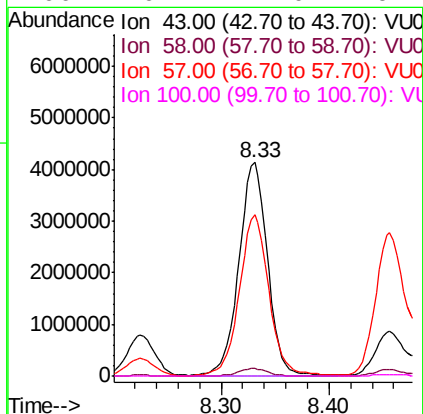
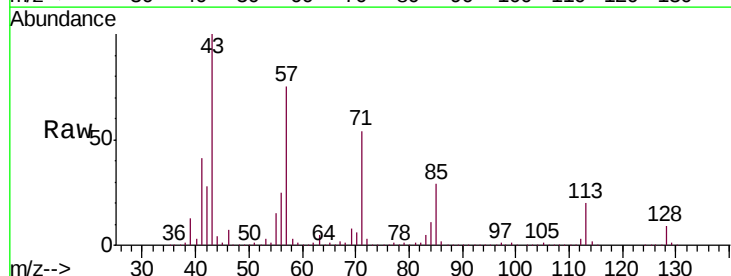
Instrument :
 MSVOA_U
 ClientSampleId :
 GALD5

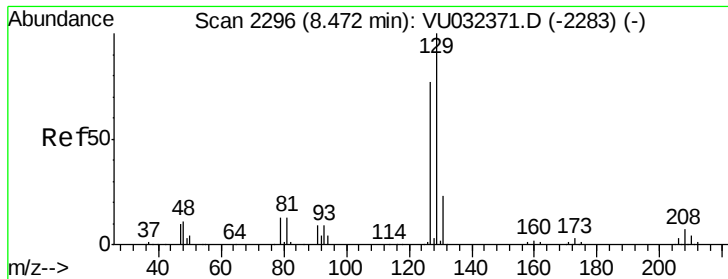
Tgt Ion: 97 Resp: 1836245
 Ion Ratio Lower Upper
 97 100
 99 0.3 42.6 79.0#
 83 9.8 60.3 112.1#
 85 0.4 38.1 70.9#



#48
 2-Hexanone
 Concen: 1121.305 ug/L
 RT: 8.33 min Scan# 2252
 Delta R.T. -0.03 min
 Lab File: VU032384.D
 Acq: 30 May 2019 16:13

Tgt Ion: 43 Resp: 7578067
 Ion Ratio Lower Upper
 43 100
 58 3.7 48.6 73.0#
 57 78.2 17.0 25.4#
 100 0.1 11.0 16.4#





#49

Dibromochloromethane

Concen: 1.610 ug/L

RT: 8.45 min Scan# 2290

Delta R.T. -0.02 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

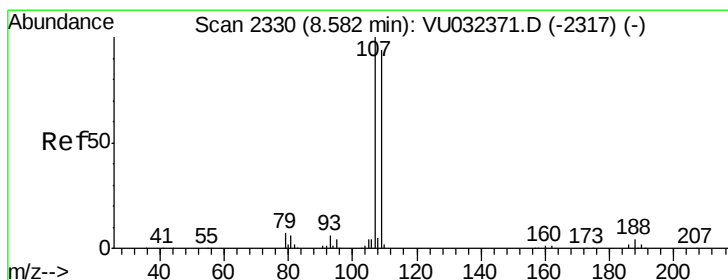
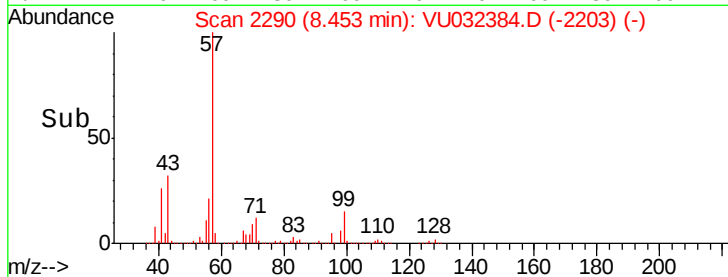
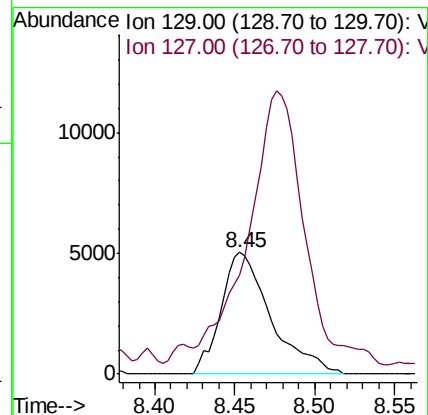
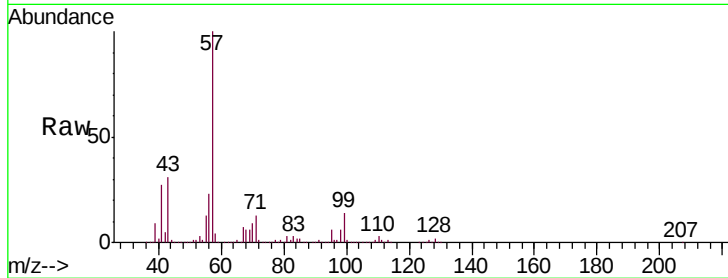
GALD5

Tgt Ion:129 Resp: 10827

Ion Ratio Lower Upper

129 100

127 80.9 53.3 99.1



#50

1,2-Dibromoethane

Concen: 1.673 ug/L

RT: 8.56 min Scan# 2324

Delta R.T. -0.02 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

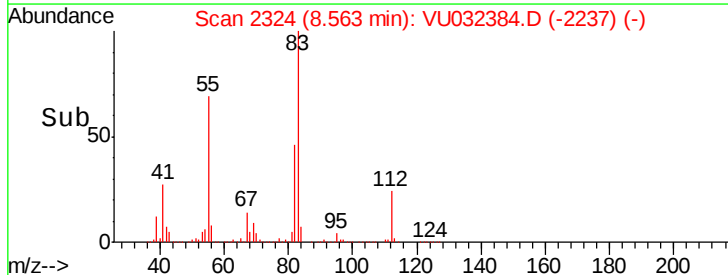
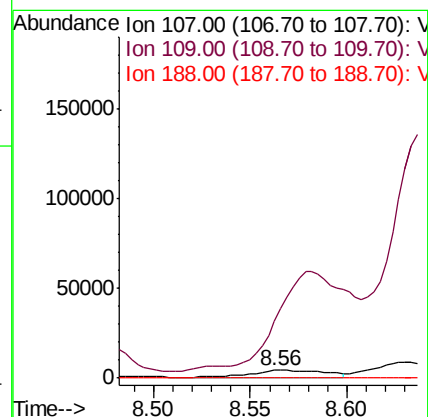
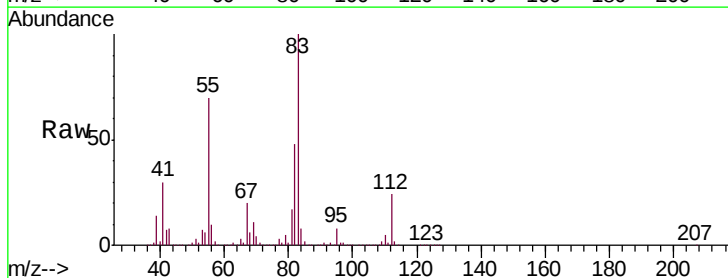
Tgt Ion:107 Resp: 10957

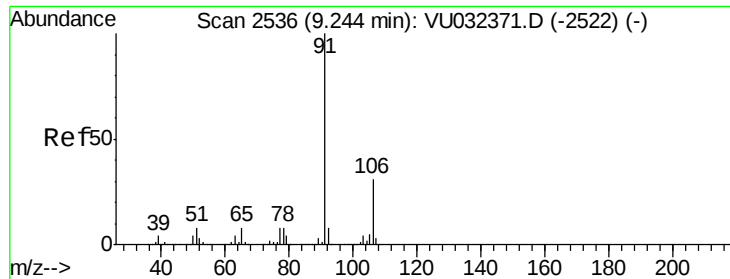
Ion Ratio Lower Upper

107 100

109 720.5 66.7 123.9#

188 0.0 3.0 4.6#





#52

Ethylbenzene

Concen: 181.493 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

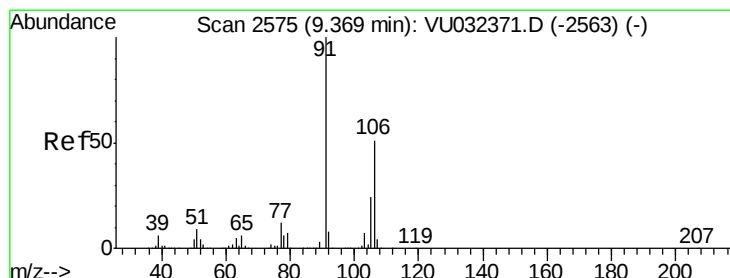
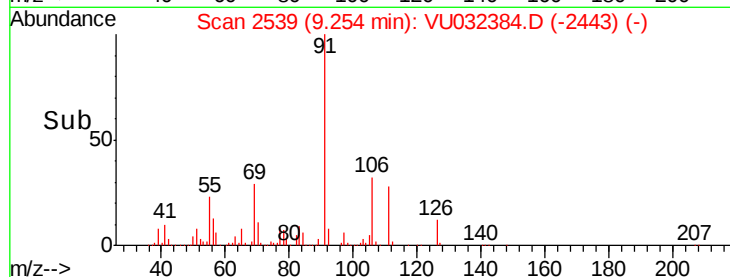
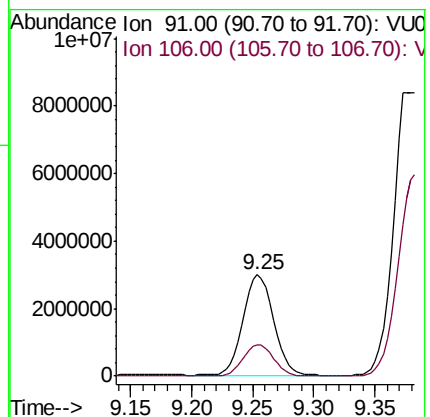
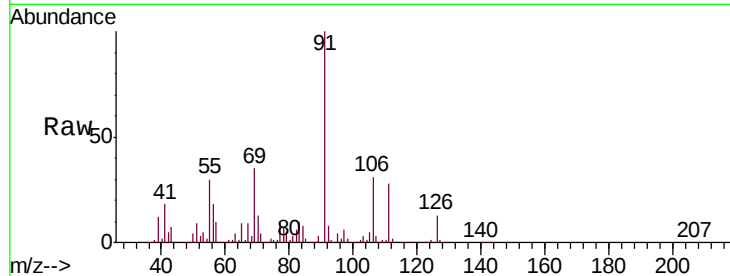
GALD5

Tgt Ion: 91 Resp: 5129346

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 967.253 ug/L

RT: 9.38 min Scan# 2579

Delta R.T. 0.01 min

Lab File: VU032384.D

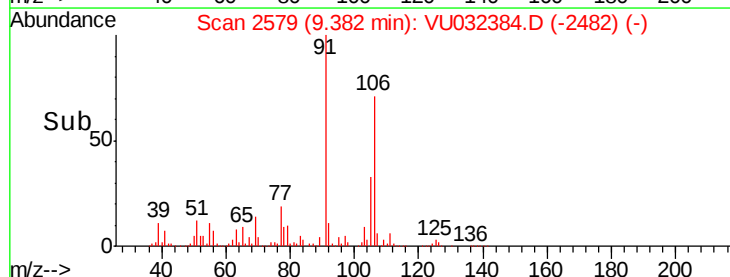
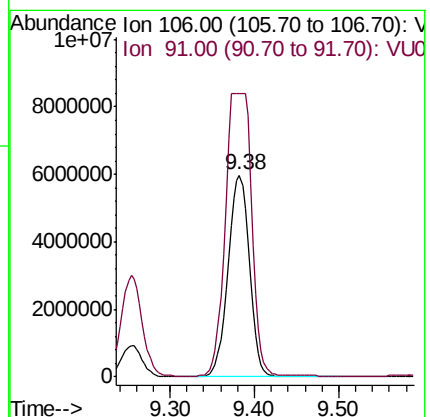
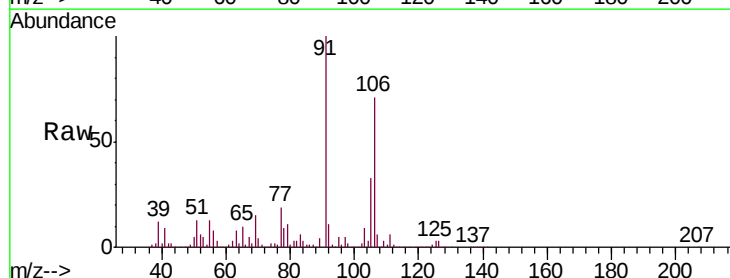
Acq: 30 May 2019 16:13

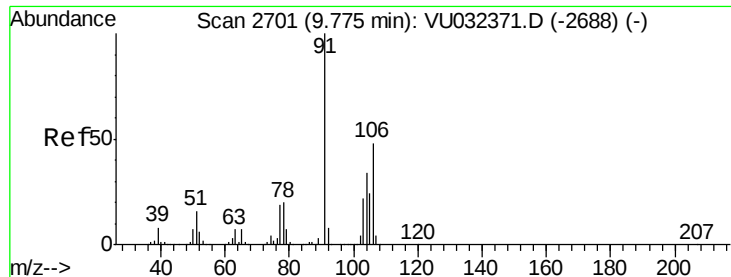
Tgt Ion: 106 Resp: 10517668

Ion Ratio Lower Upper

106 100

91 140.3 138.8 257.8





#54

o-xylene

Concen: 290.186 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.01 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

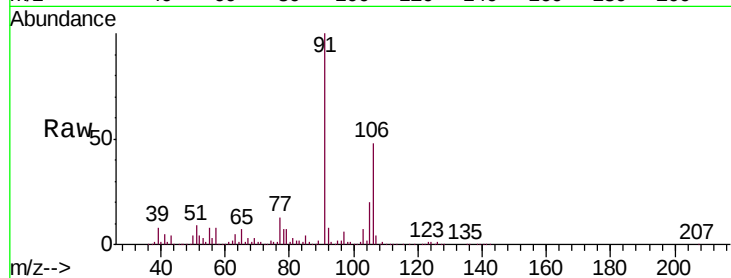
GALD5

Tgt Ion:106 Resp: 3166953

Ion Ratio Lower Upper

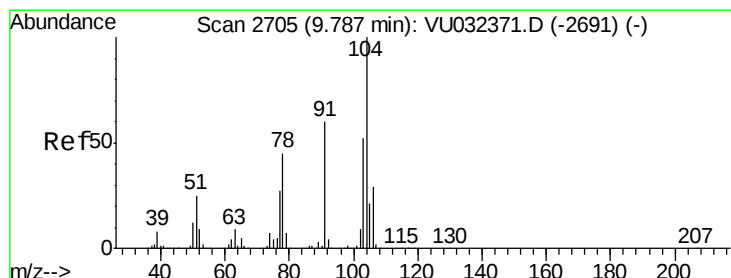
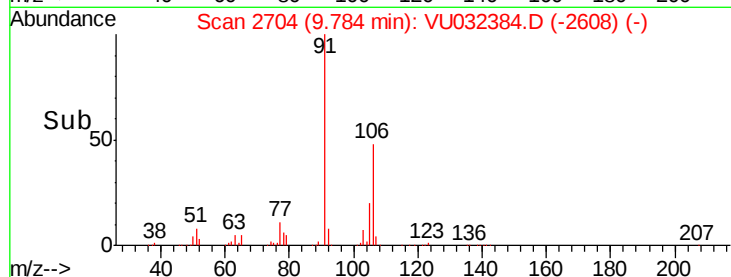
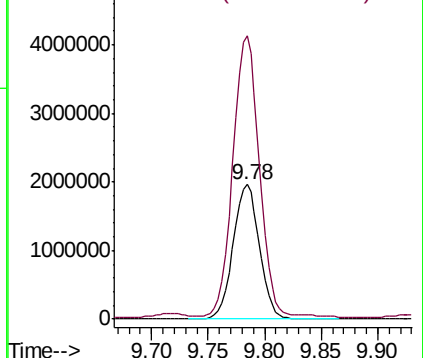
106 100

91 210.4 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.518 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. -0.00 min

Lab File: VU032384.D

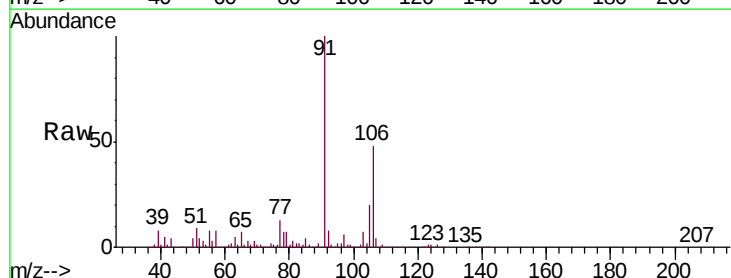
Acq: 30 May 2019 16:13

Tgt Ion:104 Resp: 174267

Ion Ratio Lower Upper

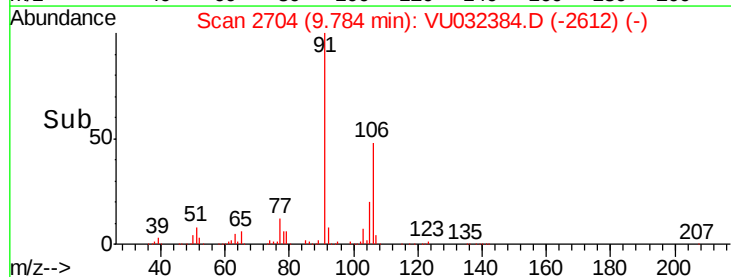
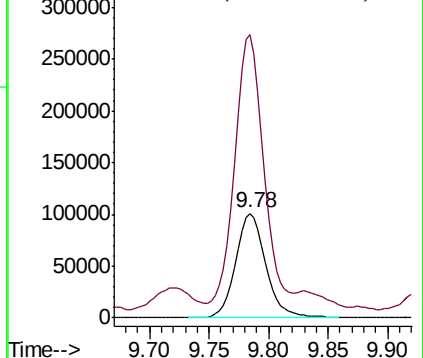
104 100

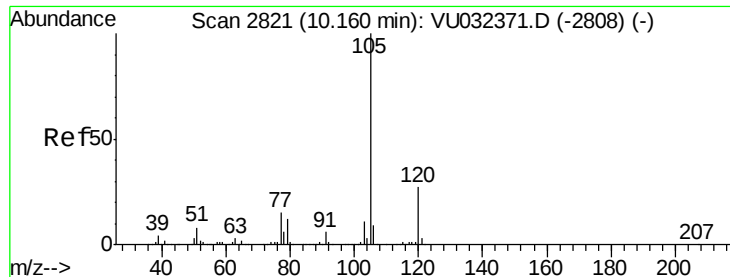
78 270.1 31.5 58.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 128.538 ug/L

RT: 10.17 min Scan# 2824

Delta R.T. 0.01 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

GALD5

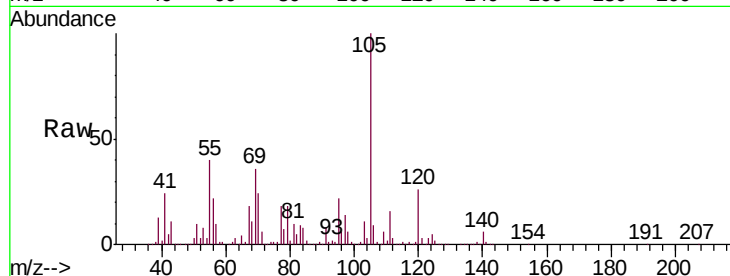
Tgt Ion:105 Resp: 3559615

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

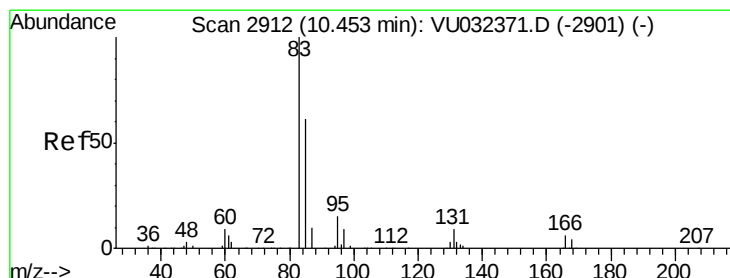
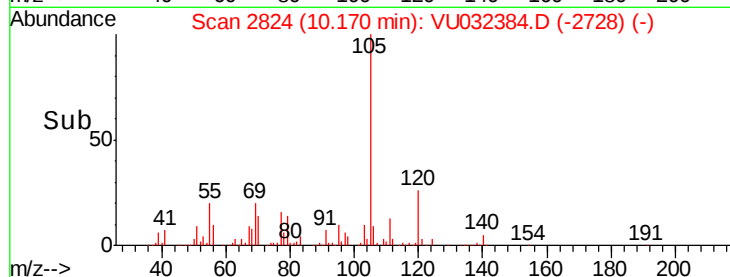
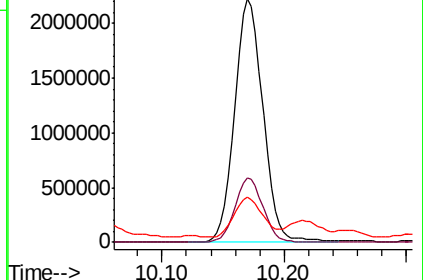
77 16.7 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 179.253 ug/L

RT: 10.49 min Scan# 2925

Delta R.T. 0.04 min

Lab File: VU032384.D

Acq: 30 May 2019 16:13

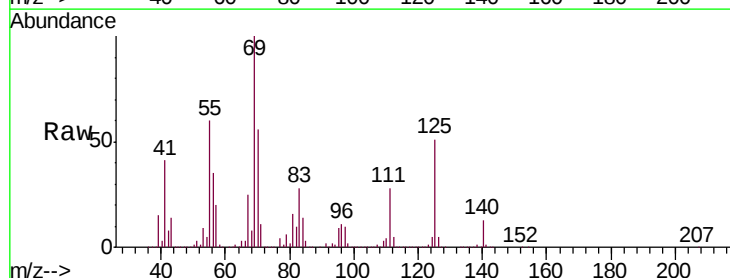
Tgt Ion: 83 Resp: 1922099

Ion Ratio Lower Upper

83 100

85 8.9 44.3 82.3#

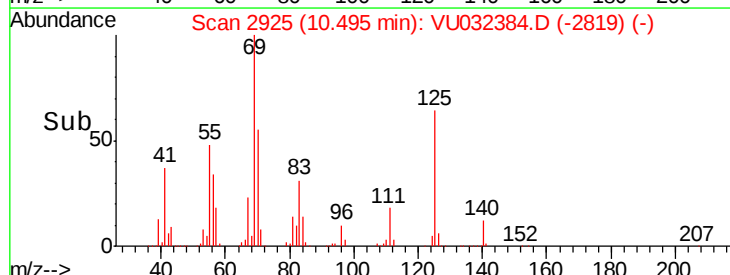
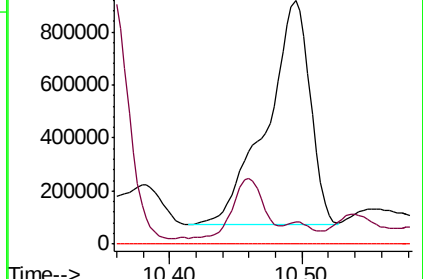
131 0.0 7.6 11.4#

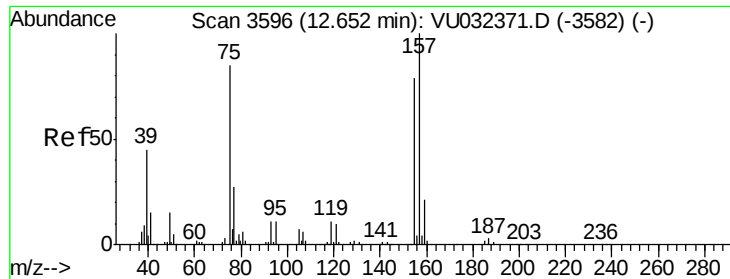


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

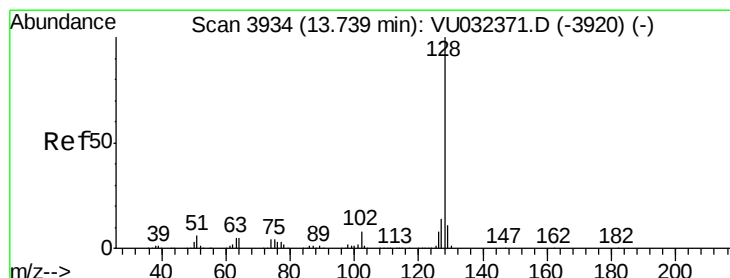
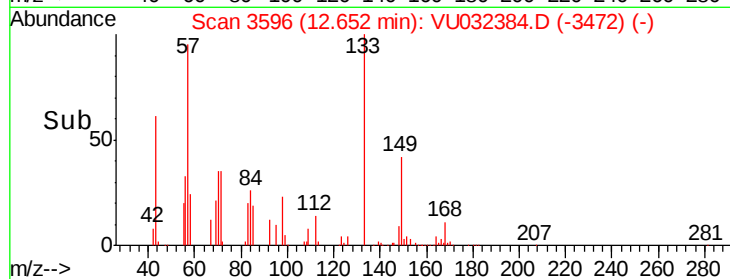
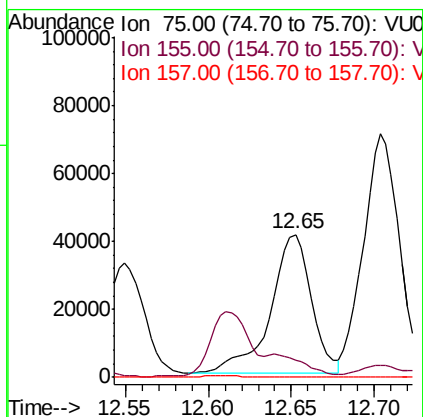
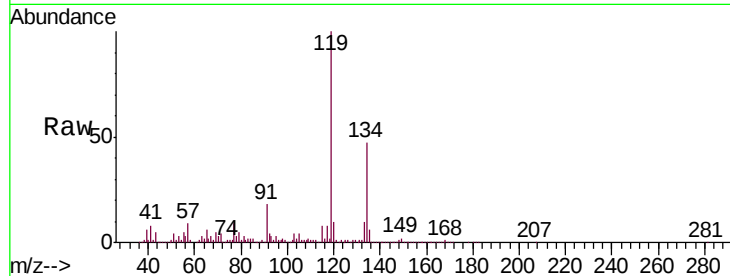




#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.673 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032384.D
 Acq: 30 May 2019 16:13

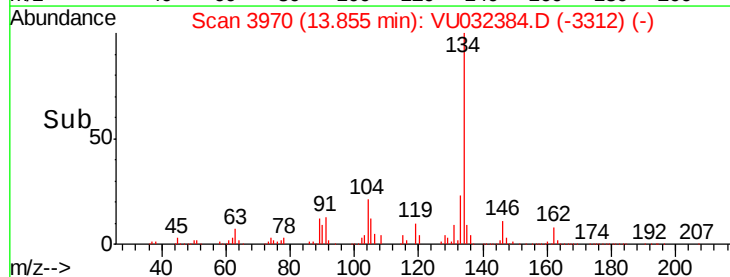
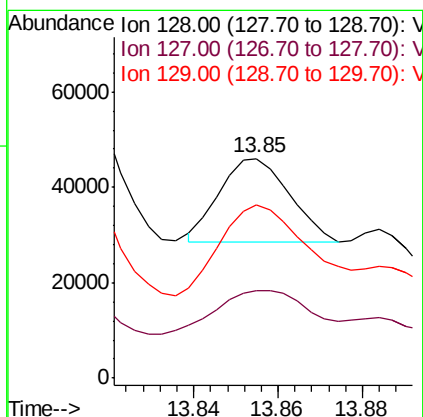
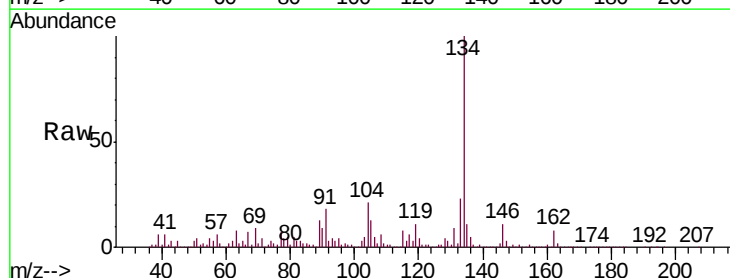
Instrument :
 MSVOA_U
 ClientSampleId :
 GALD5

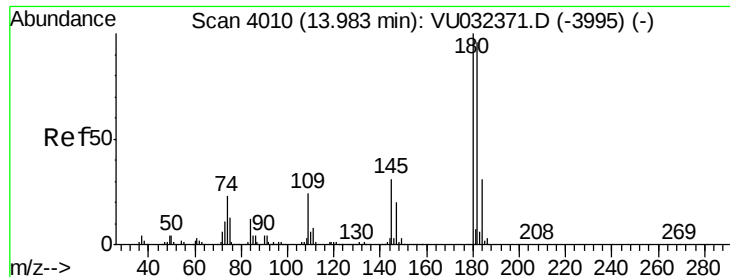
Tgt Ion: 75 Resp: 70085
 Ion Ratio Lower Upper
 75 100
 155 12.2 69.5 104.3#
 157 0.7 89.8 134.6#



#69
 Naphthalene
 Concen: 0.761 ug/L
 RT: 13.85 min Scan# 3970
 Delta R.T. 0.12 min
 Lab File: VU032384.D
 Acq: 30 May 2019 16:13

Tgt Ion: 128 Resp: 19904
 Ion Ratio Lower Upper
 128 100
 127 68.8 10.1 15.1#
 129 136.9 8.7 13.1#

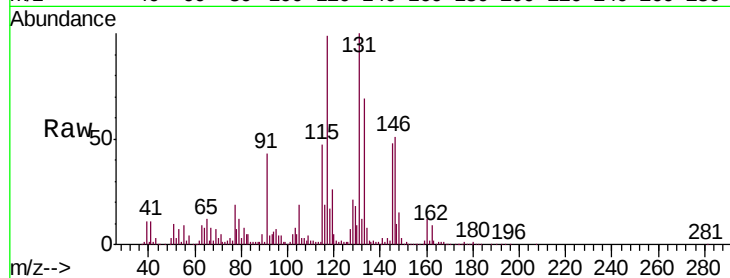




#70
 1,2,3-Trichlorobenzene
 Concen: 0.769 ug/L
 RT: 13.95 min Scan# 4001
 Delta R.T. -0.03 min
 Lab File: VU032384.D
 Acq: 30 May 2019 16:13

Instrument :
 MSVOA_U
 ClientSampleId :
 GALD5

Tgt Ion:180 Resp: 7263
 Ion Ratio Lower Upper
 180 100
 182 54.4 77.7 116.5#
 145 7057.2 24.3 36.5#



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

