

Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GALD4

Quant Time: May 31 04:38:50 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	750415	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	796893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	410965	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	207942	37.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.18%
7) Chloroethane-d5	1.64	69	132211	29.60	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	59.20%#
11) 1,1-Dichloroethene-d2	2.30	63	874	0.09	ug/L	0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.18%#
21) 2-Butanone-d5	4.20	46	363962	99.98	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	4.64	84	441864	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	5.30	65	284100	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
32) Benzene-d6	5.33	84	940855	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.02%
36) 1,2-Dichloropropane-d6	6.32	67	302369	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.20%
41) Toluene-d8	7.56	98	849521	43.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.12%
43) trans-1,3-Dichloropropene-	7.85	79	131249	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.36%
47) 2-Hexanone-d5	8.32	63	318209	116.90	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	480748	48.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	405675	48.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.82%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	4377	0.709 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	3395	0.713 ug/L #	23
12) 1,1-Dichloroethene	2.23	96	3094	0.637 ug/L #	1
13) Acetone	2.35	43	2533	0.738 ug/L	82
15) Methyl Acetate	2.63	43	9114	1.662 ug/L	90
35) Methylcyclohexane	6.41	83	13611	1.555 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	5738	0.761 ug/L #	82
45) 1,1,2-Trichloroethane	8.04	97	18323	3.217 ug/L #	20
48) 2-Hexanone	8.32	43	83354	13.448 ug/L #	38
52) Ethylbenzene	9.25	91	51561	1.989 ug/L	98
53) m,p-Xylene	9.38	106	57349	5.751 ug/L	98
54) o-xylene	9.78	106	25532	2.551 ug/L	97
56) Isopropylbenzene	10.17	105	63905	2.516 ug/L #	95
58) 1,1,2,2-Tetrachloroethane	10.46	83	8550	0.869 ug/L #	89
69) Naphthalene	13.74	128	647653	29.976 ug/L	100

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

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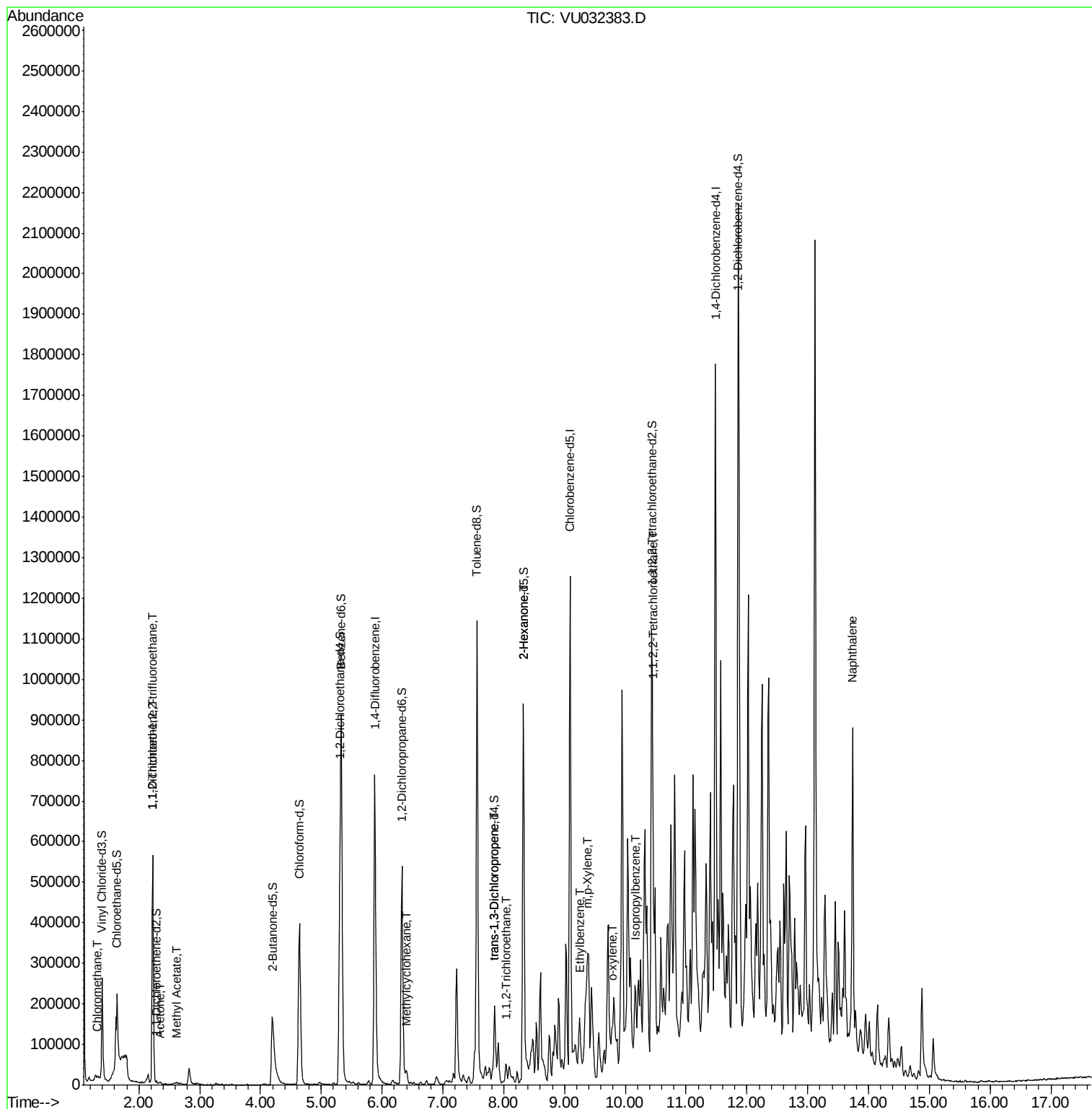
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

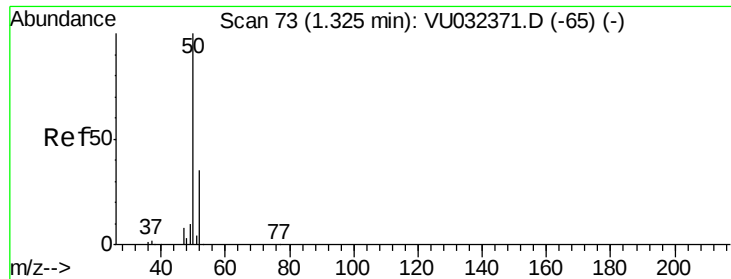
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.709 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.01 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

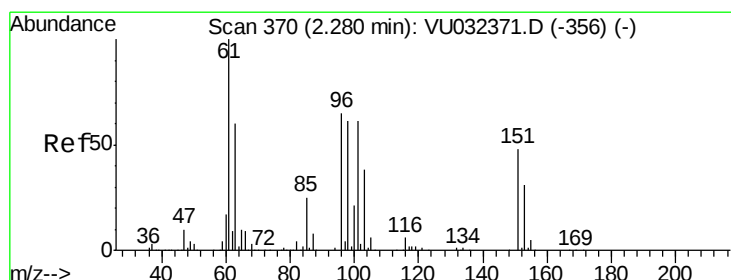
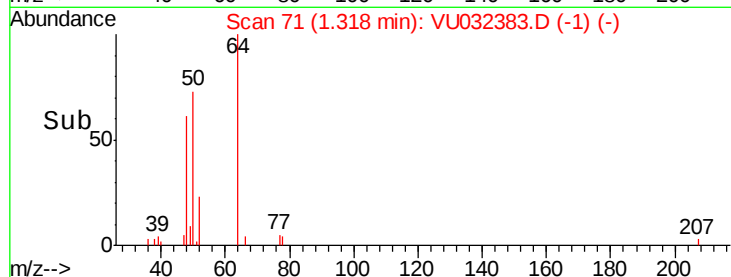
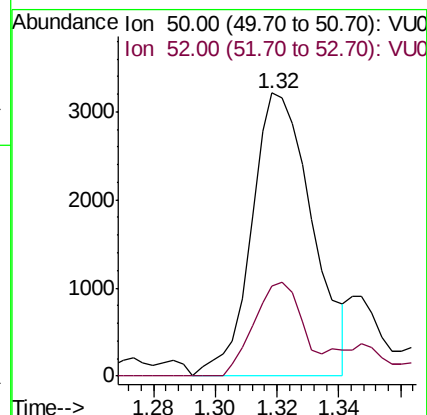
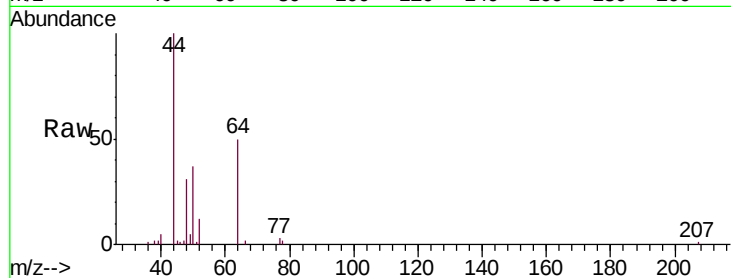
GALD4

Tgt Ion: 50 Resp: 4377

Ion Ratio Lower Upper

50 100

52 31.9 23.6 43.8



#10

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

Concen: 0.713 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

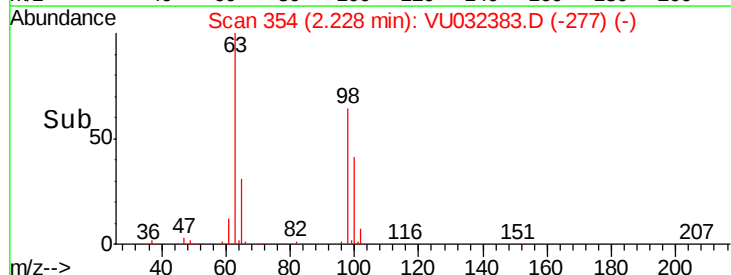
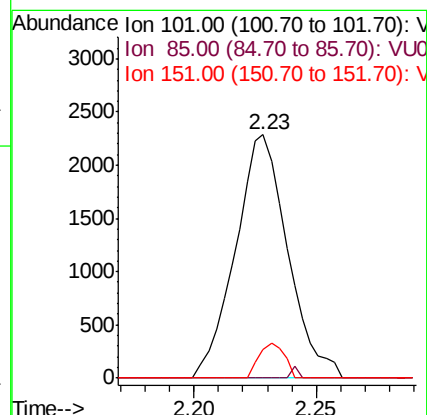
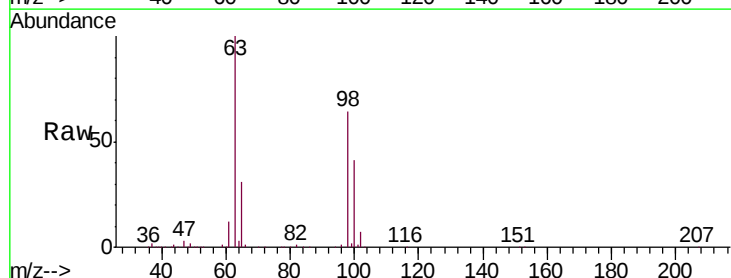
Tgt Ion: 101 Resp: 3395

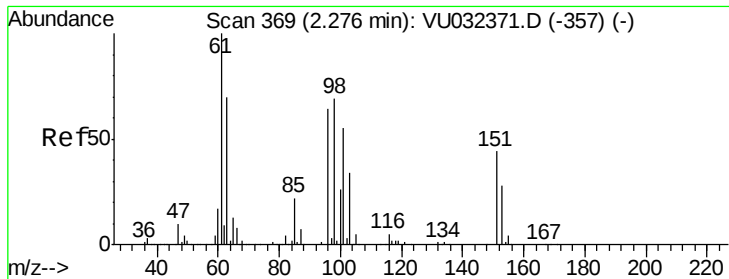
Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.0#

151 7.0 63.7 95.5#





#12

1,1-Dichloroethene

Concen: 0.637 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.05 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

GALD4

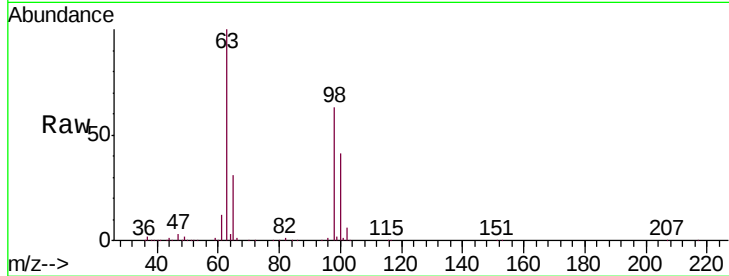
Tgt Ion: 96 Resp: 3094

Ion Ratio Lower Upper

96 100

61 1168.1 109.8 203.8#

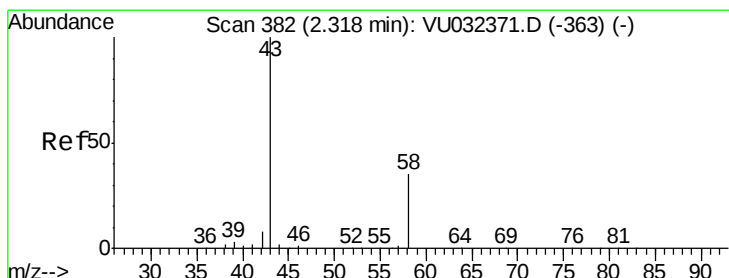
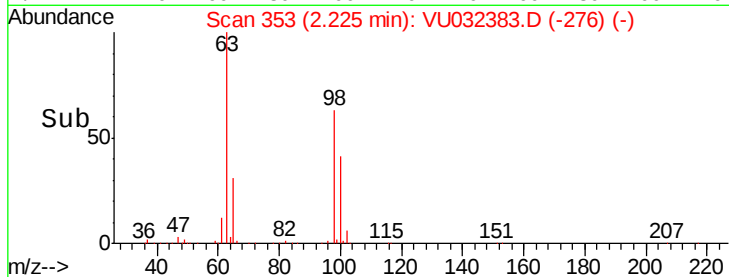
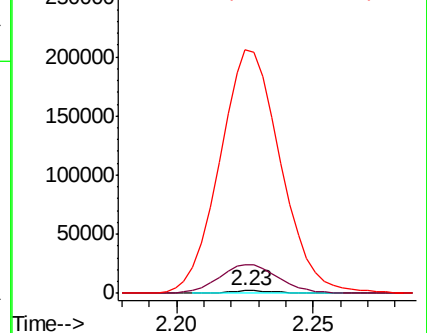
63 9785.6 74.4 138.2#



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: 0.738 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.03 min

Lab File: VU032383.D

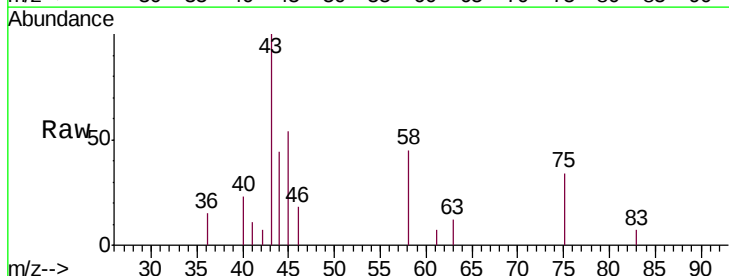
Acq: 30 May 2019 15:49

Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

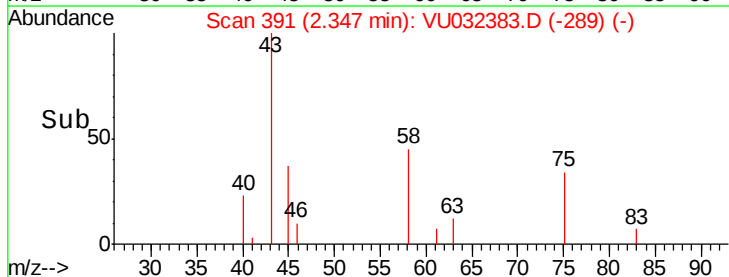
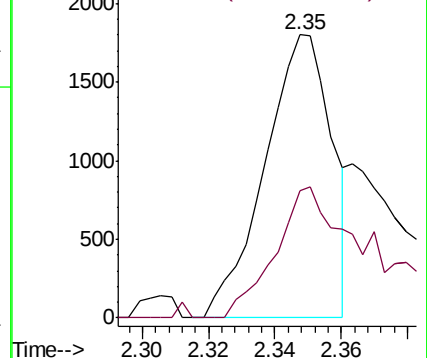
43 100

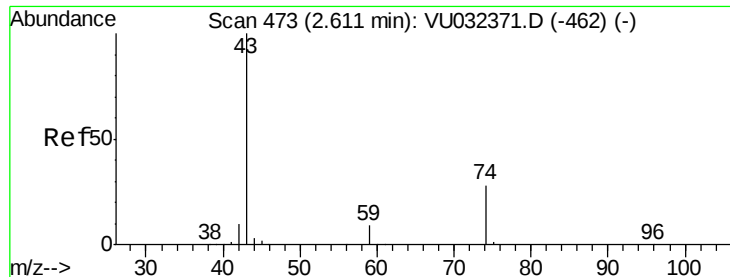
58 47.7 0.0 73.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#15

Methyl Acetate

Concen: 1.662 ug/L

RT: 2.63 min Scan# 479

Delta R.T. 0.02 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

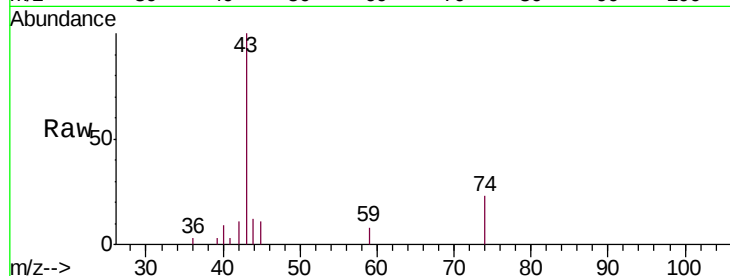
GALD4

Tgt Ion: 43 Resp: 9114

Ion Ratio Lower Upper

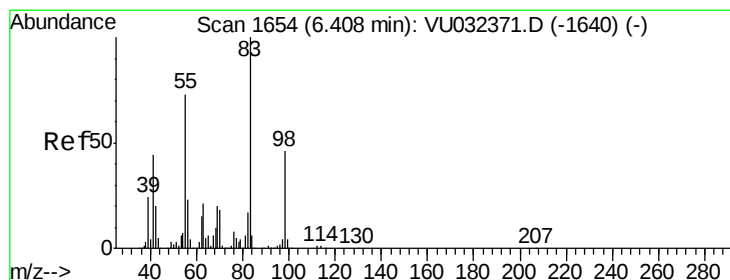
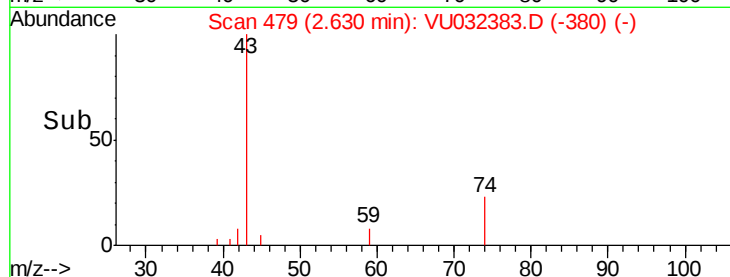
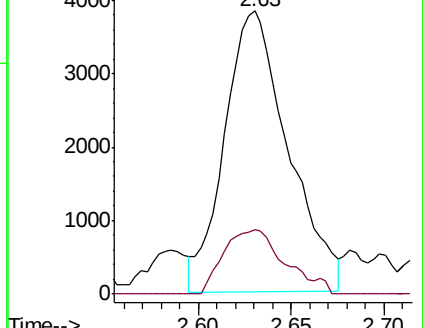
43 100

74 21.4 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VU032383.D (-380) (-)

Ion 74.00 (73.70 to 74.70): VU032383.D (-380) (-)



#35

Methylcyclohexane

Concen: 1.555 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

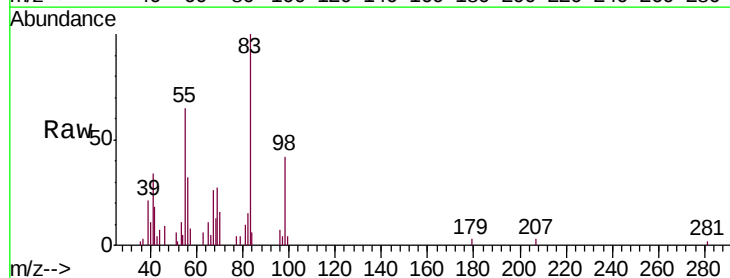
Tgt Ion: 83 Resp: 13611

Ion Ratio Lower Upper

83 100

55 76.8 59.4 89.0

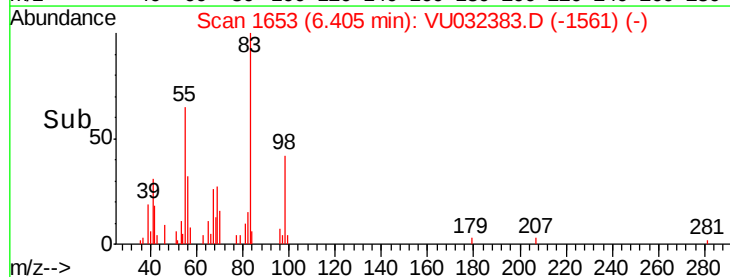
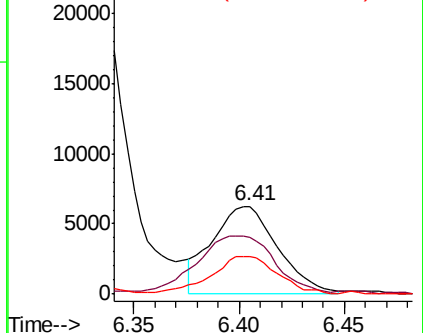
98 43.7 37.1 55.7

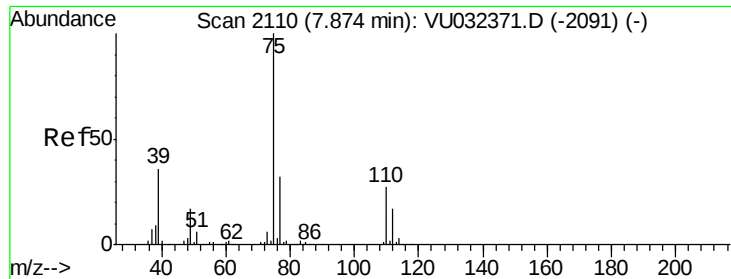


Abundance Ion 83.00 (82.70 to 83.70): VU032383.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU032383.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU032383.D (-1561) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.761 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

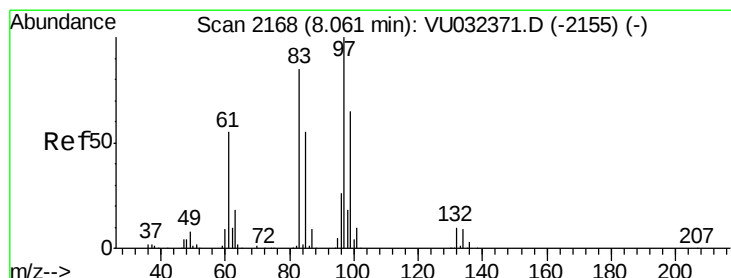
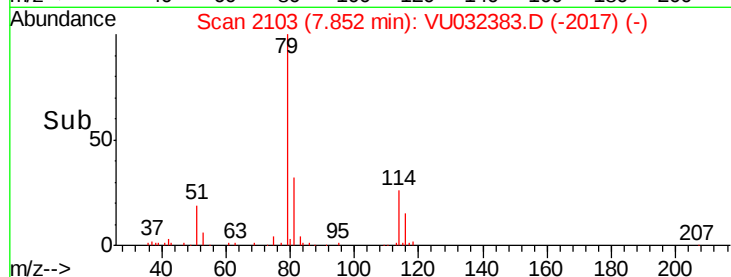
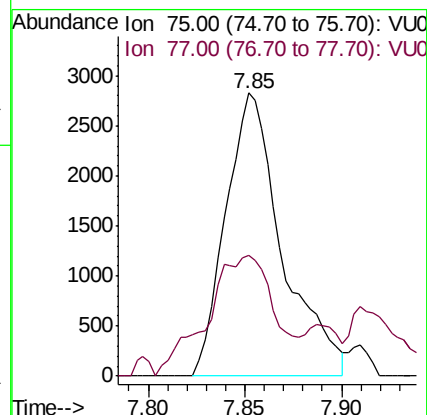
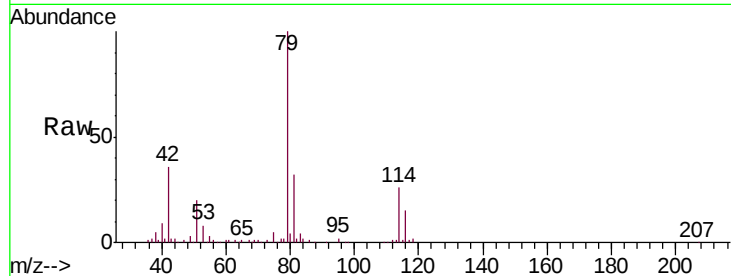
GALD4

Tgt Ion: 75 Resp: 5738

Ion Ratio Lower Upper

75 100

77 42.7 23.0 42.6#



#45

1,1,2-Trichloroethane

Concen: 3.217 ug/L

RT: 8.04 min Scan# 2161

Delta R.T. -0.02 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Tgt Ion: 97 Resp: 18323

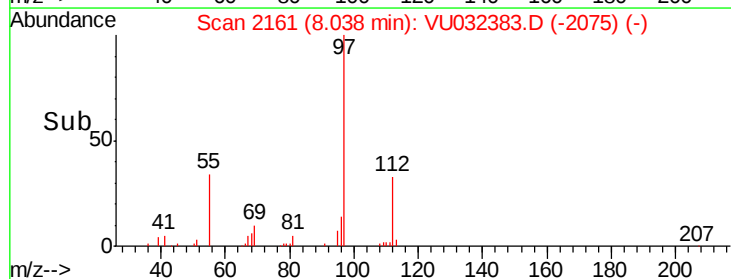
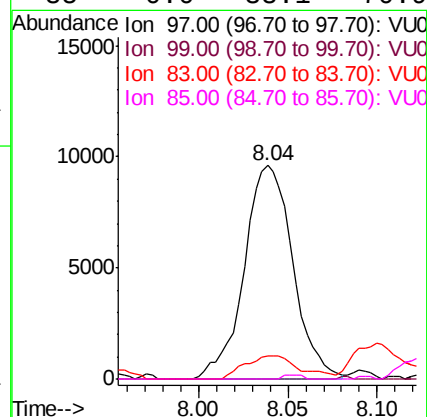
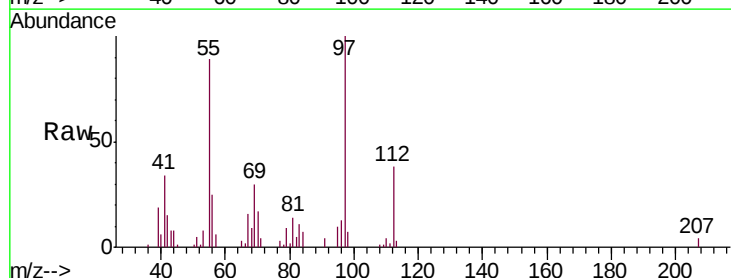
Ion Ratio Lower Upper

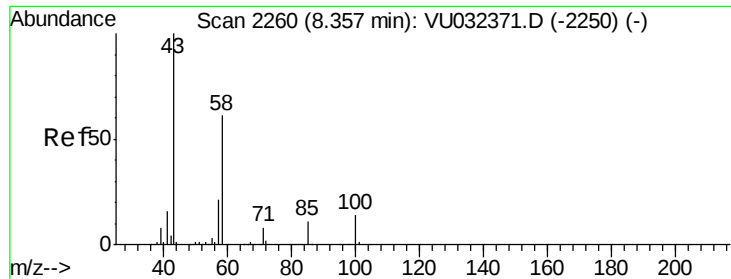
97 100

99 0.0 42.6 79.0#

83 11.0 60.3 112.1#

85 0.0 38.1 70.9#

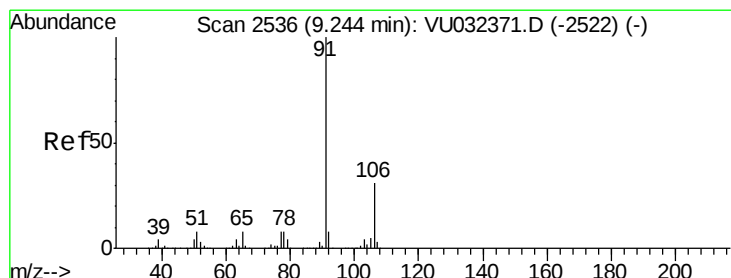
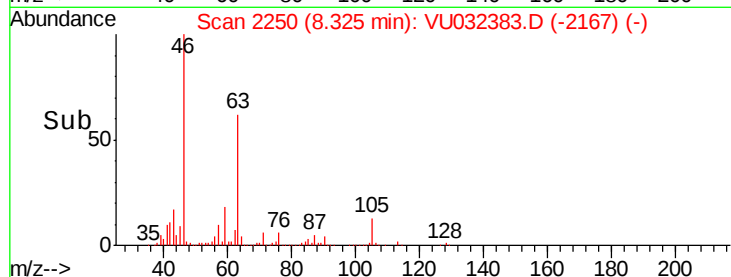
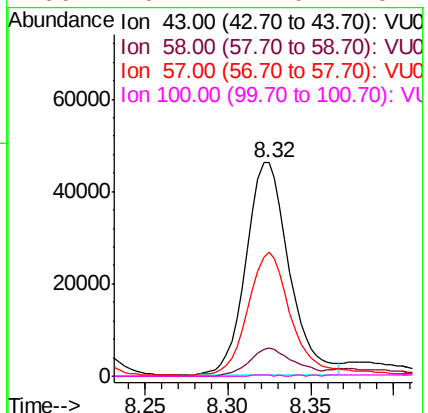
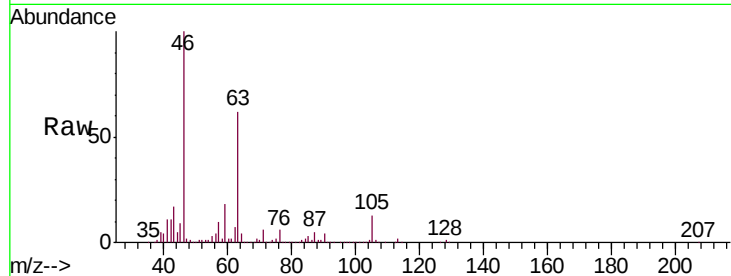




#48
2-Hexanone
Concen: 13.448 ug/L
RT: 8.32 min Scan# 2250
Delta R.T. -0.03 min
Lab File: VU032383.D
Acq: 30 May 2019 15:49

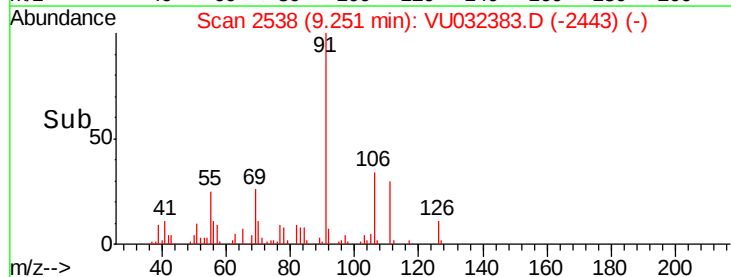
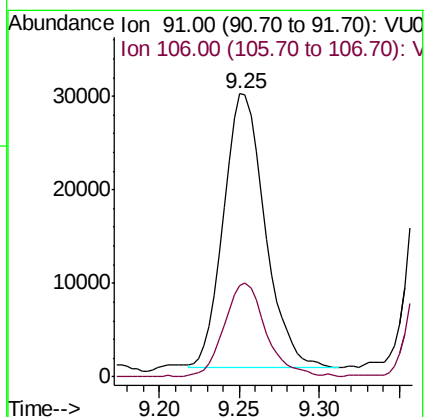
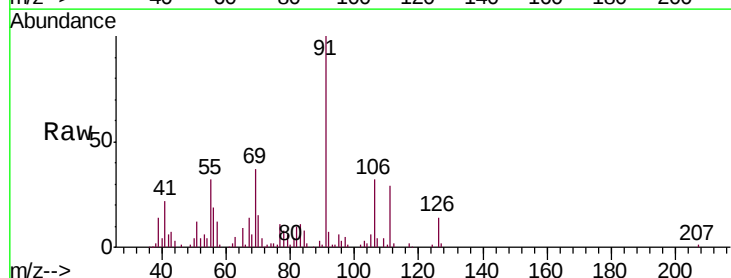
Instrument :
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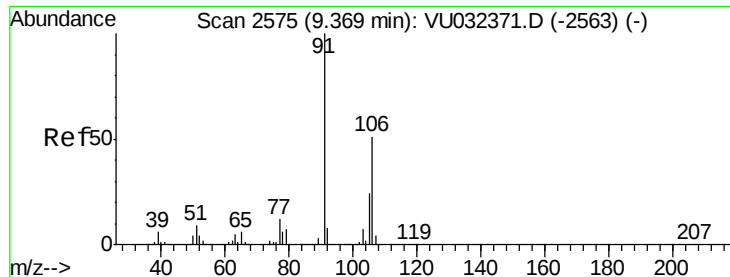
Tgt Ion: 43 Resp: 83354
Ion Ratio Lower Upper
43 100
58 13.8 48.6 73.0#
57 59.7 17.0 25.4#
100 0.1 11.0 16.4#



#52
Ethylbenzene
Concen: 1.989 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.01 min
Lab File: VU032383.D
Acq: 30 May 2019 15:49

Tgt Ion: 91 Resp: 51561
Ion Ratio Lower Upper
91 100
106 32.4 22.0 40.8





#53

m,p-Xylene

Concen: 5.751 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

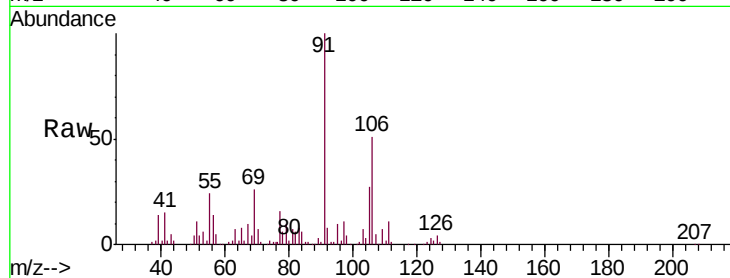
GALD4

Tgt Ion:106 Resp: 57349

Ion Ratio Lower Upper

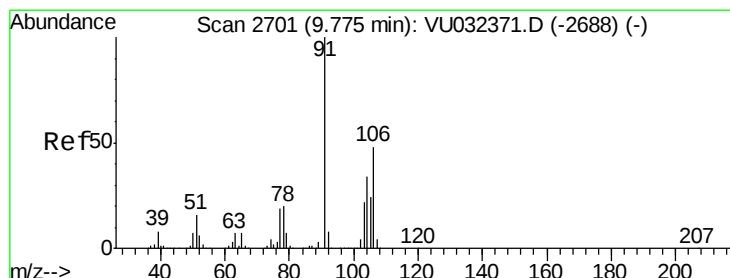
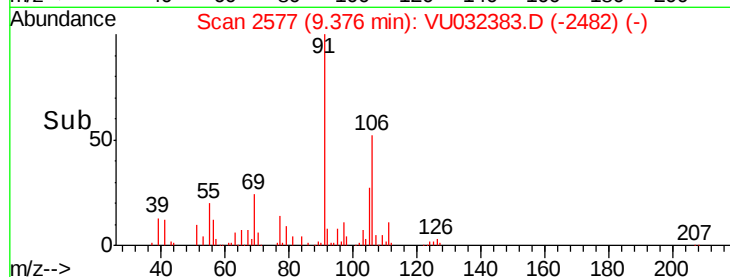
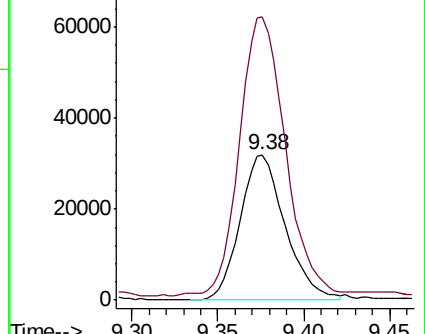
106 100

91 194.7 138.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 2.551 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU032383.D

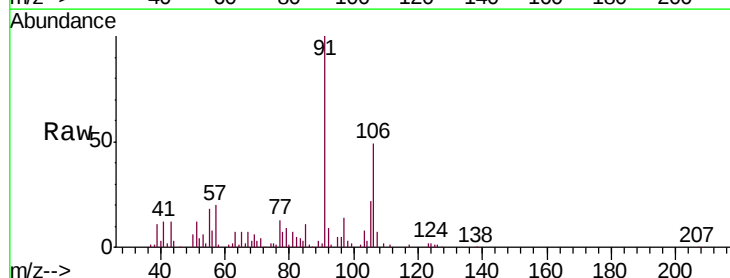
Acq: 30 May 2019 15:49

Tgt Ion:106 Resp: 25532

Ion Ratio Lower Upper

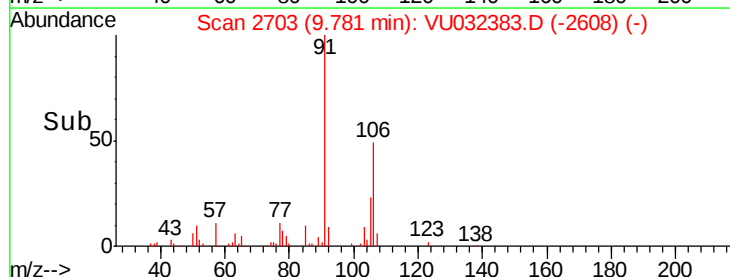
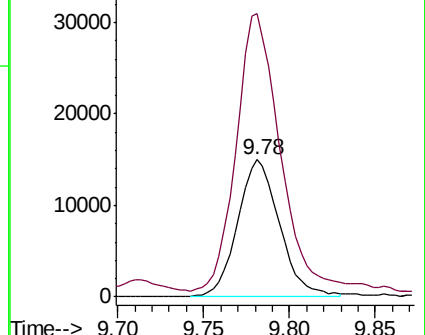
106 100

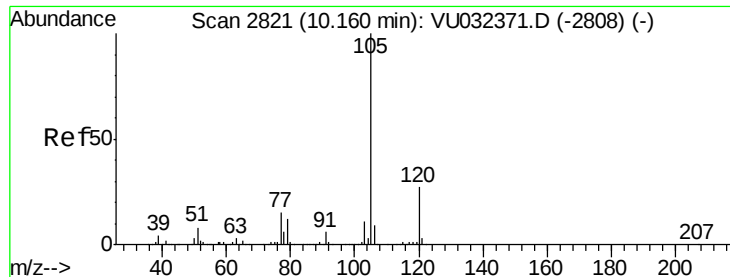
91 206.1 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.516 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.01 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

GALD4

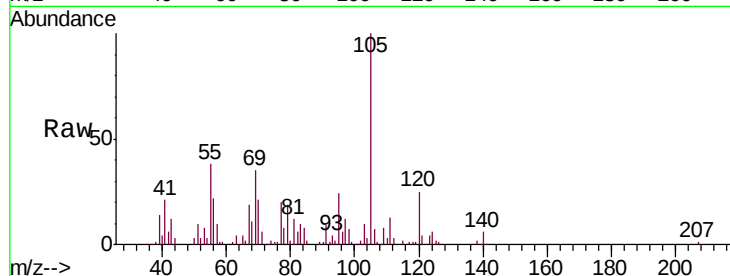
Tgt Ion:105 Resp: 63905

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

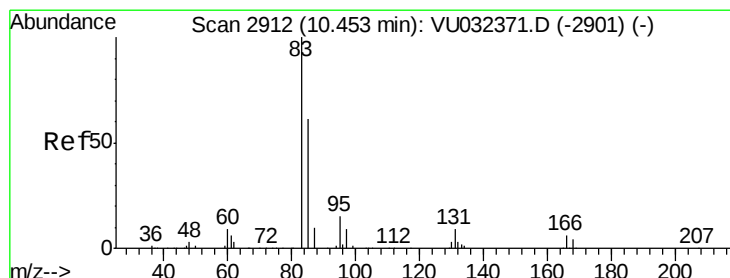
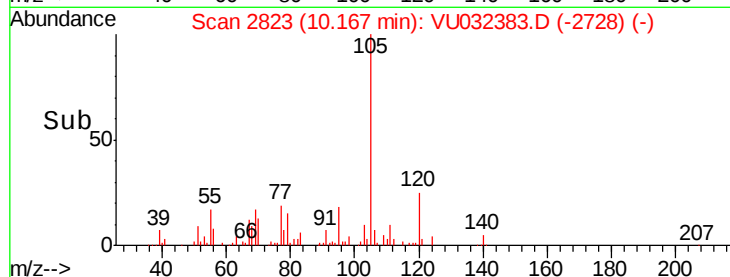
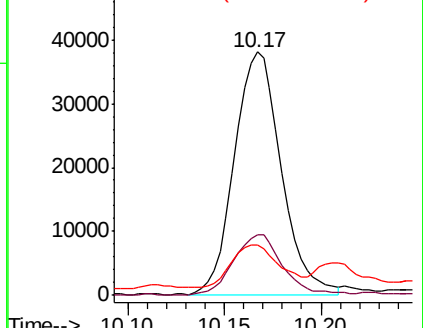
77 19.8 11.8 17.6#



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: 0.869 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

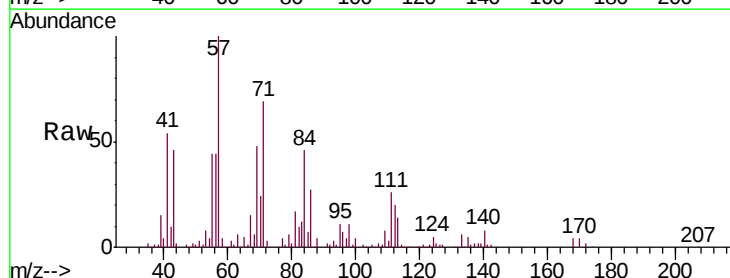
Tgt Ion: 83 Resp: 8550

Ion Ratio Lower Upper

83 100

85 55.0 44.3 82.3

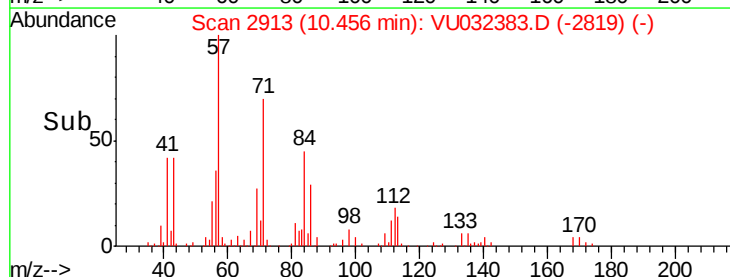
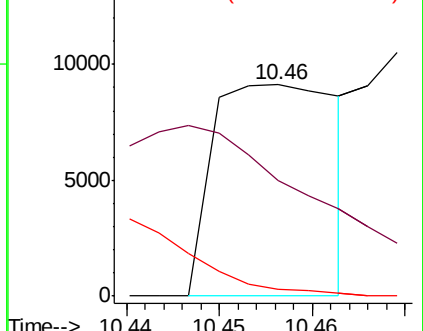
131 3.4 7.6 11.4#

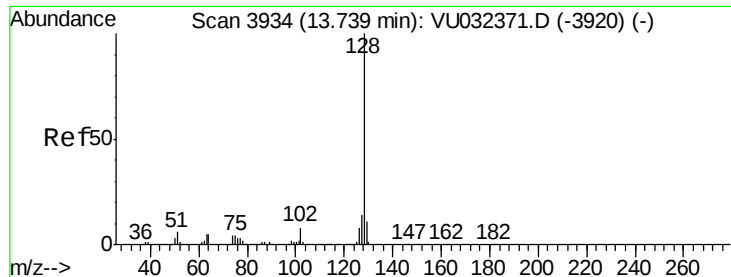


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#69

Naphthalene

Concen: 29.976 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032383.D

Acq: 30 May 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

GALD4

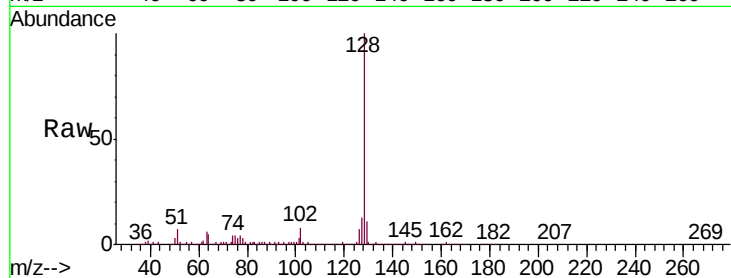
Tgt Ion:128 Resp: 647653

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

